



COMPANY
LIMITED

BLPH Series Louvres

a total **louvre design**
and **manufacturing** service



Penthouse Louvres/ Turret Louvres

Bridge Louvre Company manufactures a wide range of louvred turrets/penthouse louvres and depending on customer requirements, a variety of louvre blade, frame and roof configurations are available (for louvre blade profiles, see our **Louvre Panel** brochure for options).

All units are made to measure to suit customer upstand (curb) dimensions. Standard units are usually square or rectangular, but we also offer multi-sided units, units with doors, removable sections, hinged roofs and more.

For more details on Bridge Louvre Product
range and equipment

Tel: 0161 338 5631

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Email: sales@louvre.co.uk





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Materials

Aluminium extrusions type 6063-T6 having a minimum thickness of 1.6mm with welded frame corner joints for inbuilt strength.

Appearance

Our standard unit is the **BLPH50**. With this unit the extruded louvre blades are mounted at 50mm centres within 100mm or 150mm deep frame. Galvanised bird screen supplied as standard with intermediate support mullions and complete with factory mitred and welded corners. Corner post option also available.

Bird mesh is fitted to the rear of the louvre blades as standard by screw fixing into integral screw ports.

The assembly is capped with an aluminium sheet metal pitched roof and supplied in sectional form for assembly on site.

Blade/Frame Options

Blade: Available in single, double and triple bank configurations. Blade profiles to suit 20mm, 33mm, 38mm, 50mm, 75mm, 90mm pitches. Selected product will depend on issues such as cost, appearance, free area, air resistance and rain defence properties. Typical popular examples are shown on the following pages.

Consideration should always be given to the level of weather resistance required before specifying or ordering a roof mounted unit.

Frame: Dependent upon unit size and louvre blade type, we have a number of extruded frames available varying from 50mm to 150mm in depth.

Roof: As standard with gabled type sheet aluminium roof (1.6mm or 2mm), also available as flat, mono-pitch, hipped or pyramid style roofs. Multi-section roofs come complete with capping strip to joints and factory applied sealant tape. Insulation to underside of roof is also available.

Mesh: Bird mesh as standard, also available with insect mesh or vermin mesh.

Internal Splitters/Trays/Blanking: These are all available to suit customer requirements.

Hinged/removable Sections: These can be incorporated into any of our penthouse louvres to provide access into the units once installed.

Product specifications are listed on the following pages.

Fixing

The base is suitable for mounting and fixing onto builders curb with a recommended minimum width of 100mm to 150mm dependant on frame type.

Fixings used must be suitable for the type upstand/curb construction. Usually units are fixed through the flange, directly into the upstand/curb.

Finishes

Mill finish (unpainted) aluminium .

Polyester Powder coatings to any standard RAL or BS 4800 range colours.

Syntha Pulvin

Anodised.

Wood effect polyester powder finish.

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BLPH50 Aluminium Penthouse Louvres

Aluminium extrusions type 6063-T6 having a minimum thickness of 1.6mm with welded frame corner joints for inbuilt strength.

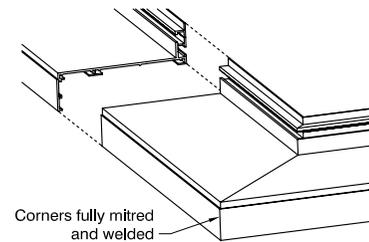
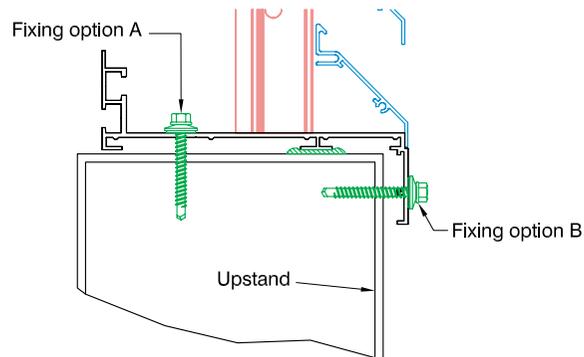
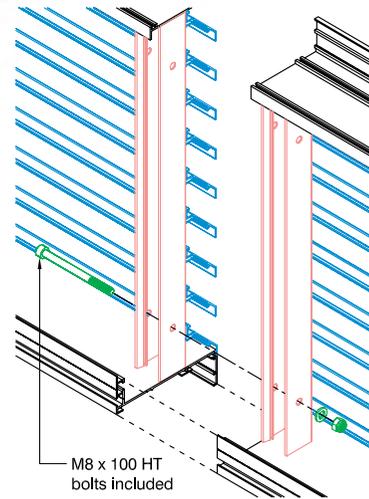
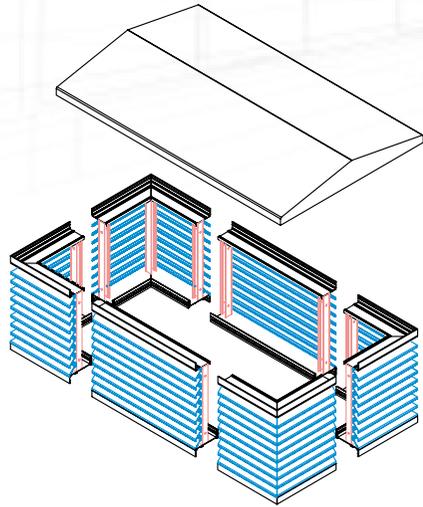
Extruded aluminium louvre blades mounted at 50mm centres within 100mm or 150mm deep extruded aluminium frame. Intermediate support mullions to rear of louvre blades and complete with factory mitred and welded corners.

Galvanised steel bird mesh is fitted to the rear of the louvre blades as standard by screw fixing into integral screw ports.

The assembly is capped with an aluminium sheet metal pitched roof and supplied either fully assembled or in sectional form for assembly on site.

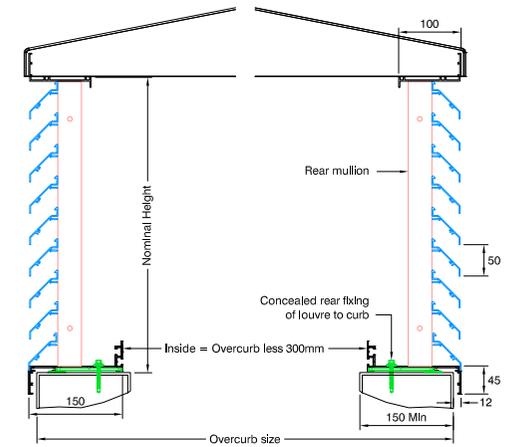


General Assembly Details



General Assembly

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BRIDGE

LOUVRE

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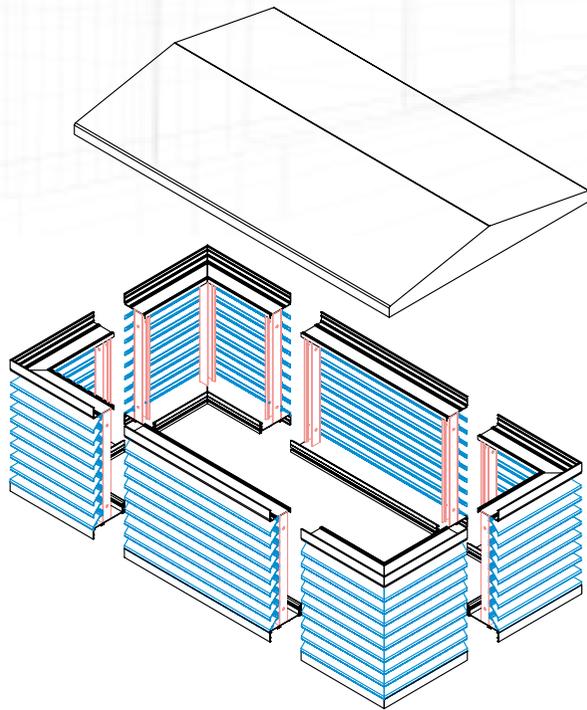
BLPH50E Aluminium Penthouse Louvres

Details as per the BLPH50 but with corner posts /flashings in place of mitred corners.

For further louvre type information for the following see our BL Series Louvre Panels brochure/PDF.



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BLPH75 Aluminium Penthouse Louvres

Details as per the BLPH50, but with the extruded aluminium louvre blades mounted at 75mm centres within 140mm or 150mm deep extruded aluminium frame.

BLPH90 Aluminium Penthouse Louvres

Details as per the BLPH50, but with the extruded aluminium louvre blades mounted at 90mm centres within 140mm or 150mm deep extruded aluminium frame.

BLPH50DB Aluminium Penthouse Double Bank Louvres

Details as per the BLPH50, but with increased weather resistance. Incorporating extruded aluminium double bank (back to back) louvre blades mounted at 50mm centres within 100mm or 150mm deep extruded aluminium frame.

Maximum BSRIA weather test rating (simulated rainfall of 75mm/hr, wind speed of 13m/sec): 96.5%
Class B with bird mesh fitted.



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LOUVRE

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BLPH-HP Aluminium Penthouse Louvres

Details as per the BLPH90, but with increased weather resistance.

Extruded aluminium louvre blades mounted at 90mm centres within 140mm or 150mm deep extruded aluminium frame. The louvre blades incorporate drain channels to increase weather resistance whilst retaining excellent pressure drop and free area figures.

Maximum BSRIA weather test rating (simulated rainfall of 75mm/hr, wind speed of 13m/sec): 96.7% Class B with bird mesh fitted, 99.2% Class A with insect mesh.

BLPH60HP Aluminium Penthouse Louvres

Details as per the BLPH90HP. Single bank, increased weather protection. Extruded aluminium single bank louvre, 92mm deep blades on 60mm pitch. 42% free area between the louvre blades. Maximum BSRIA weather test rating (simulated rainfall of 75mm/hr, wind speed of 13m/sec: 99% effective (Class A) upto 0.5m/sec intake face velocity, Class B at 1m/sec (insect mesh fitted).