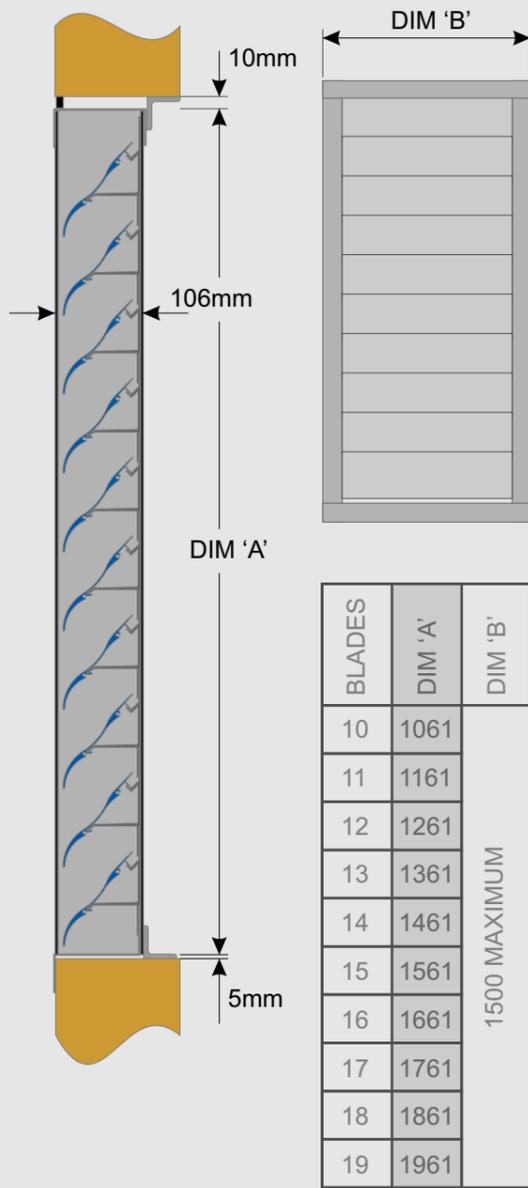
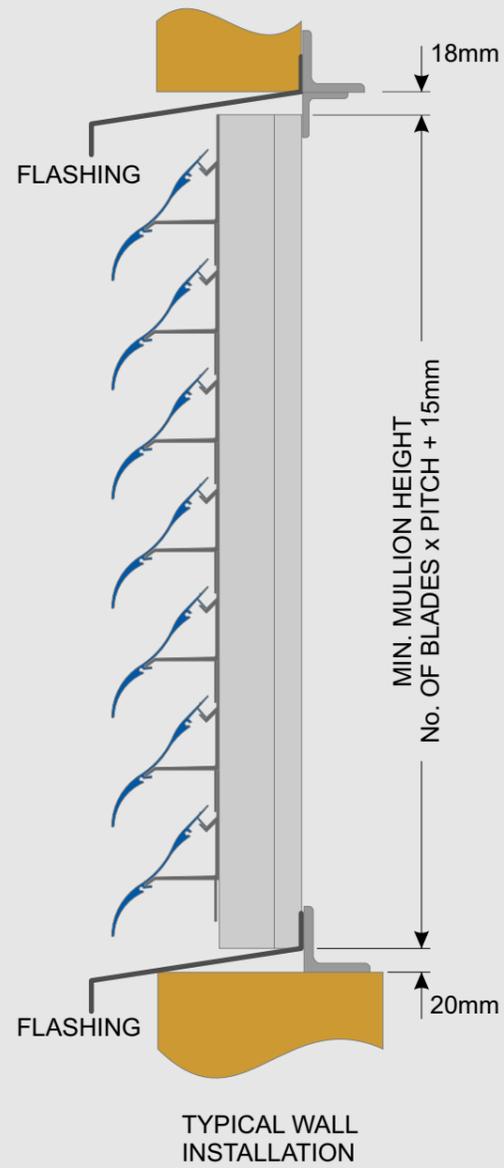


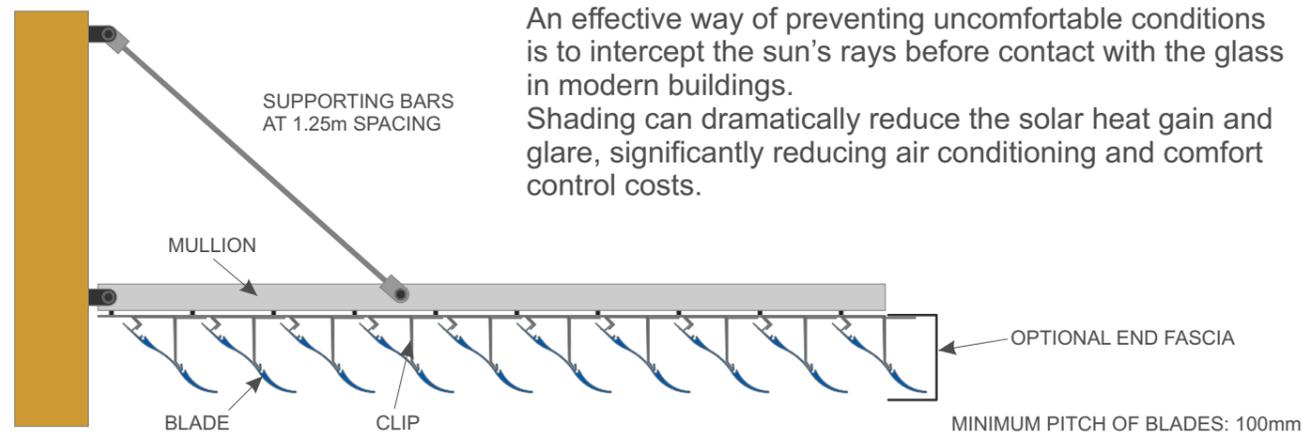
**100mm PITCH FIXED BLADE BOX LOUVRE**



**100mm PITCH CONTINUOUS LOUVRE**



**SUN LOUVRE**



An effective way of preventing uncomfortable conditions is to intercept the sun's rays before contact with the glass in modern buildings. Shading can dramatically reduce the solar heat gain and glare, significantly reducing air conditioning and comfort control costs.



**Aerodynamic Architectural Louvres**



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The clean, smooth lines of the Sigma aerodynamic louvre system provide a striking architectural feature to complement a wide variety of building applications ranging from traditional to modern and from offices to industrial developments.

The aluminium louvres have smooth, rounded blade edges which not only enhance their aesthetic appeal, but also result in improved aerodynamic performance.

Sigma louvres are extremely versatile, they can be installed into any configuration of wall facade, and the flexible clip device means that the pitch arrangement can be varied to suit individual requirements.

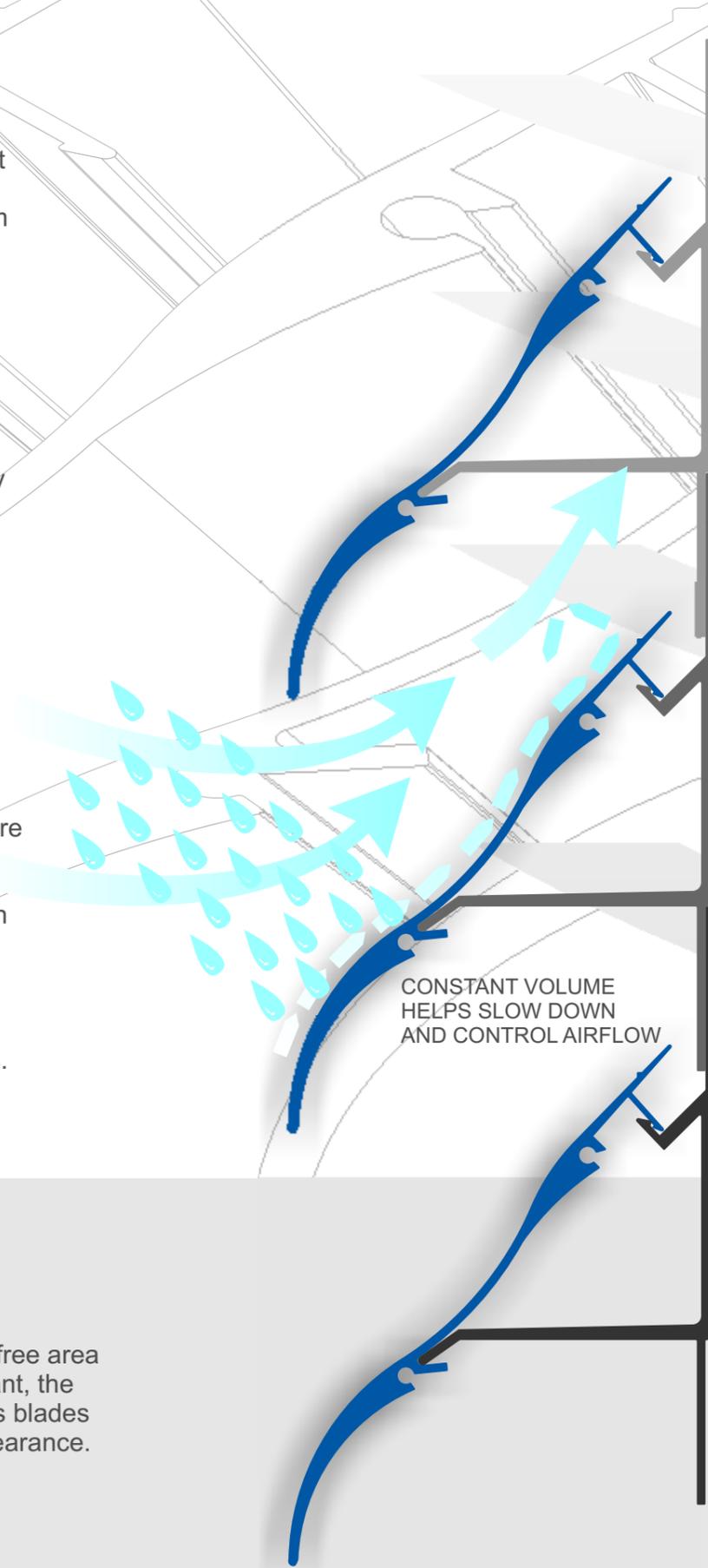
Sigma blade profiles can also be used as sun louvres and make ideal screens, reducing the effect of solar heat gain and glare which often occurs in modern glazed buildings.

The strong visual appeal of the Sigma louvre system, combined with their greater efficiency, choice of pitch size and colours, offers the specifier considerable flexibility in design.

**Solar Shading Industries** provides a full design and technical advisory service with all the drawings prepared on CAD systems.

#### INCREASED FREE AREA

The unique aerofoil blade offers improved free area factors. Where weathertightness is important, the Sigma system can incorporate double pass blades whilst retaining its smooth continuous appearance.



CONSTANT VOLUME  
HELPS SLOW DOWN  
AND CONTROL AIRFLOW

#### SPECIFICATION

##### MATERIAL

Sigma louvres are manufactured in mill finish aluminium.

##### MATERIAL FINISHES

Aluminium louvre units can be anodized mill finish, polyester powder coated or PVF2 coated to any SABS standard or RAL colour.

##### BLADES

Manufactured from extruded aluminium BS: 1474-6063T6

##### BLADE PROFILES

Blade profiles can be used as single or double pass louvres.

##### BLADE JOINTS

Blades are joined at mullion center with dowel pins, ensuring absolute alignment. Where thermal expansion is to be accounted for on long elevations, blade joints are spaced accordingly.

##### BLADE CLIPS

Versatile clip device allows for choice of pitch arrangement.

##### RANGE OF PITCH

Sigma louvres are available in 50mm, 80mm and 100mm pitch. Range of pitch with free area:  
50mm - up to 48% through the blades  
80mm - up to 65% through the blades  
100mm - up to 52% through the blades

##### BIRDCUARD/INSECT SCREENS

A range of designed birdguards and insect screens are available as optional extras to complement the Sigma louvres.

##### MULLIONS

Press-formed aluminium sheet measuring 1.6mm thick to BS:1470-5000 Series.

##### FASTENERS

Either aluminium or stainless steel

##### CORNERS

Both internal and external to suit angles and produced from blade material.

##### PERFORMANCE

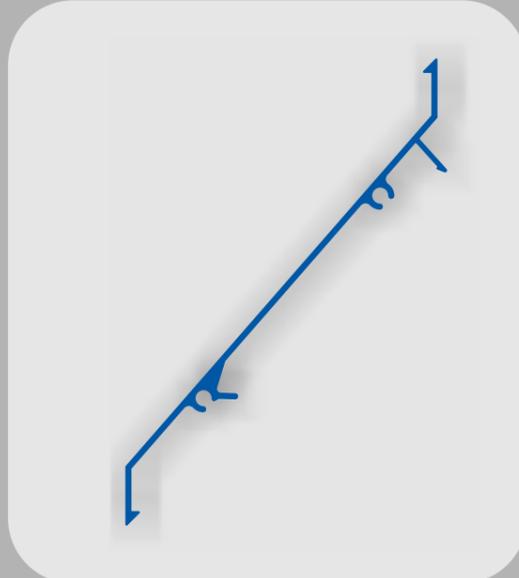
Blade design has been tested for structural and aerodynamic performance to produce optimum spanning and pressure loss characteristics. The louvre units are independently tested to current codes of practice.

##### ACCESSORIES

Accessories such as insulation, acoustics, operating control systems and weather seals can be built in to Sigma louvre units as required. Matching concealed doors allow for uninterrupted architectural lines.

##### MAINTENANCE

It is essential that the system is tested regularly in accordance with the operating/maintenance instructions provided for each installation.



Alternate flat blade profile

#### EASY TO ASSEMBLE SNAP ON FIXING.... YET TOTALLY SECURE

Installation of Sigma louvres is extremely quick and easy; no special tools are required. The louvres are available in continuous or knock-down form with pre-assembled mullions and clips for continuous louvres.

