

Specifications

Rehau S719

General Description

Two sashes, built into the frame, can slide in opposing directions and will remain in any desired position. The subframe, which makes up 3 sides of the window, is welded at the top two corners and mechanically joined at the bottom with a cill by means of screws.

Profile Design

The profiles are designed with front chambers to achieve good heat insulation characteristics and allow isolated drainage and a second chamber which allows the fitting of efficiently designed reinforced sections.

Frame & Cill

The depth of the frame is 111mm. It has two cill options, a flush cill and an overhanging cill. The overhanging cill projects 40mm from the face of the frame. The cill is mechanically jointed to the frame and is an integral part.

Sashes

All windows have a deep bottom rail on the lower sash. However the top rail, meeting rails and stiles of the sashes can be fabricated out of two different size heritage sash profiles. These being the standard and larger profile. The outer frame is universal to both sash profiles.

Seals

In order to protect brush seals against dirt and driving rain on the outside, the subframe is stepped twice. Furthermore, by concealing the edges of the sashes an outstanding insulation factor is achieved. Because of this stepped design, greater variations in tolerances during manufacture and installation are not quite as apparent as they would be with an open design. The sash profiles are built with two integral seal locator grooves which take a silicone bubble gasket on the bottom outer edge of the lower sash, and brush seals in the remaining locations. With the mechanically jointed cill, an excellent seal is achieved at the bottom of the lower sash, with three seals banked one after another.

Fittings

A wide variety of standard fittings may be used. An injection moulding specially developed by REHAU, ensures the firm and reliable location of the sash, and an adjustable pivot bar facilitates the installation or removal of the sash. Steel reinforced sliding latches allow the sashes to be tilted inwards to enable the window to be cleaned. These can be locked off if desired to prevent unauthorised tilting of the sash. Standard balances of 14mm or 19mm diameter may be used with this system.

Glazing

The Rehau Heritage Sliding Sash Window is internally beaded and takes a 24mm unit. They can be purchased either glazed or unglazed.

Spiral Balances

The spiral balances all carry a 10 year guarantee. They are all pre-tensioned, however occasionally a nominal adjustment is needed after glazing. This operation is carried out in the factory if the windows are factory glazed.

Surface Mounted Georgian Astragals

In an effort to keep the glazing bars as slim as possible to imitate the glazing bars on traditional sash windows, Rehau have designed a surface mounted Georgian Astragal. This is bonded to the glass by Double Sided Tape. Placed within the double glazed unit is an 'authentic' georgian bar grill, thus giving the effect of individual units.

Colour

White 159. There is a choice of glazing seal colour - white or black.

Tilt Restrictors

The sashes tilt-inwards as standard for cleaning purposes, without tilt restrictors the sashes will tilt through the 90° until it comes to rest on the window board. If tilt restrictors are fitted, this restricts the tilting to approximately 40° from the vertical.

Rehau Heritage

Maximum Sizes Standard Heritage

(Art's 559150 & 559160)

Max. width 1170mm

(Wider at reduced wind loadings)

Max. height 2450mm

Larger Heritage

(Art's 559150 & 559190)

Max. width 1500mm

Max. height 3000mm

It is not permissible to manufacture the product at maximum height and width.

Areas of use

The REHAU Vertical Slider is designed to be used in homes and prestige installations, both newly built or in refurbishment of older buildings. It is of particular interest to those engaged in the renovation of historical or listed buildings. The introduction of the heritage sash profiles followed extensive consultation and research with conservation bodies and housing associations.

Material

REHAU window profiles are manufactured from weather-resistant impact modified RAU-PVC 1406, a material that has proven itself in twenty five years of window production, and that has all the physical characteristics laid down by DIN 7748 PVC U-D-E-080-25-28 and BS7413.

Quality Control by Independent Bodies

The system has attained test certificates with BSI and BBA. In addition to this we are an ISO 9002 registered firm.

Heat Insulation

The insulation of a window is not only dependent upon the frame material, but also the glazing and size of the window. RAU-PVC 1406 has a heat insulation value of 0.21 W/m² K. Heat insulation glass is able to reach U-values of 1.3 W/m² K.

Noise Insulation

This is dependent upon the glazing used, for example:

Double glazing 4-16-4mm (30 dB)

Double glazing 6-14-4mm (34 dB)

Technical Sales Arguments

The stepped frame design and the double brush seal guarantee a good seal against water and air penetration.

A triple seal protects the area where bottom rail and cill meet, the outer one being a high performance siliconised seal.

REHAU silicone seals (RAU-SIK) have an outstanding reversion characteristic and exemplary elasticity over time. They are available in black or white, and remain elastic at temperatures as low as -60°C.

The front chamber design ensures a high heat insulation value and good isolation of the metal reinforcing. In addition, this design allows good drainage and ventilation.

Security is achieved when the window is closed by means of the cam-lock and the interlock. The interlock makes the operation of the cam-lock impossible from the outside.

When requested, the interlock profile can be installed without the normal routing so that the tilt-inward facility is disabled.

All fittings are installed by screws either into steel or aluminium or through special details into the walls of PVCu.

Interlock profiles slide into position and cannot be removed by force once installed, as opposed to competitor systems which feature snap on interlocks which can be removed more easily.

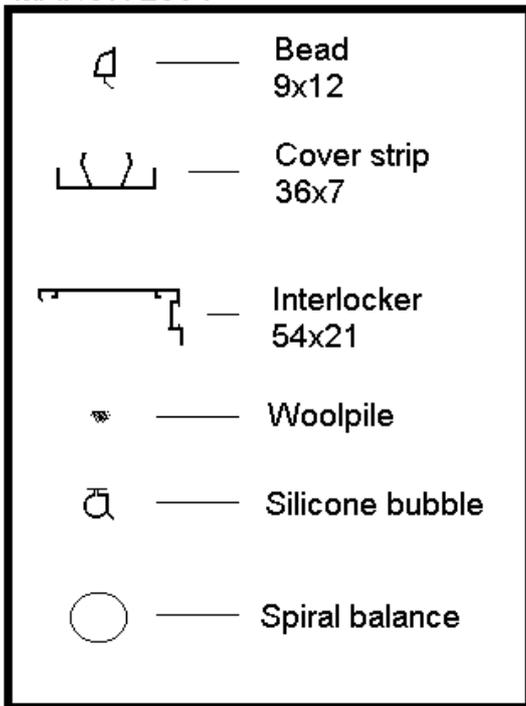
All normal installation requirements are catered for by offering two different cill options.

The subframe is so designed as to allow separate channels for balances. These channels also allow for varying sizes of balances, and are the locating points for the sliding latches. It is through this design that we are able to offer our assurances as to the long-lasting reliability of this system.

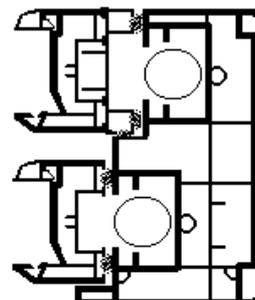
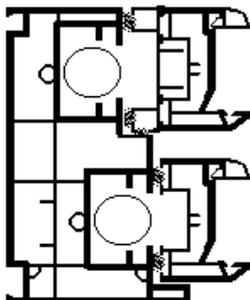
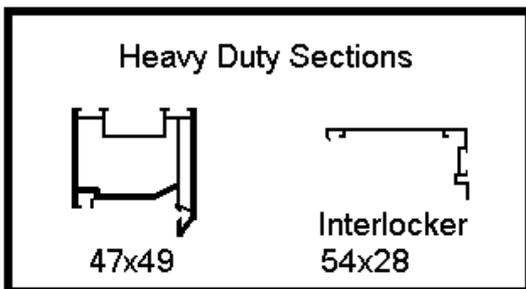
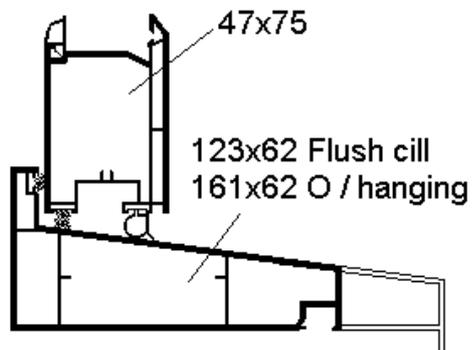
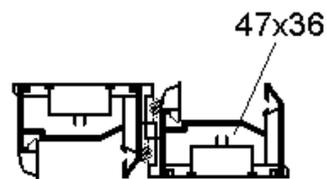
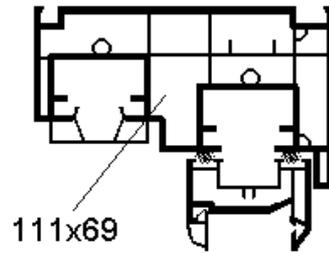
Heritage aesthetics - both in terms of window sightlines and sash detailing.

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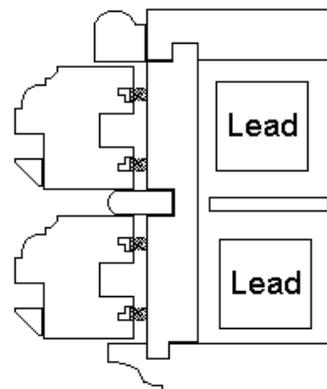
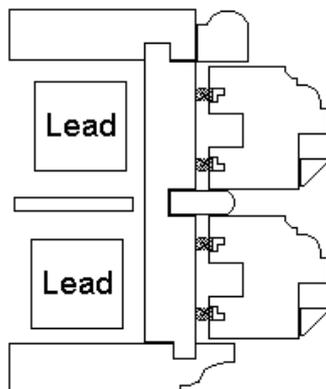
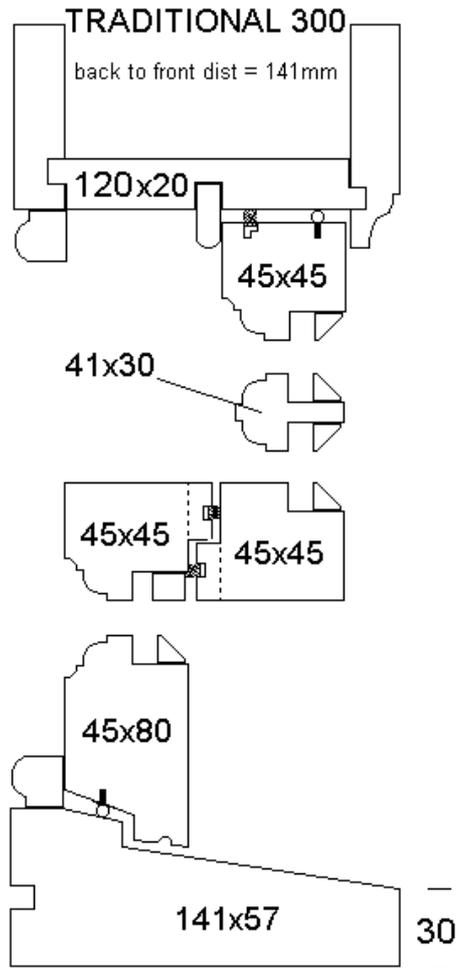
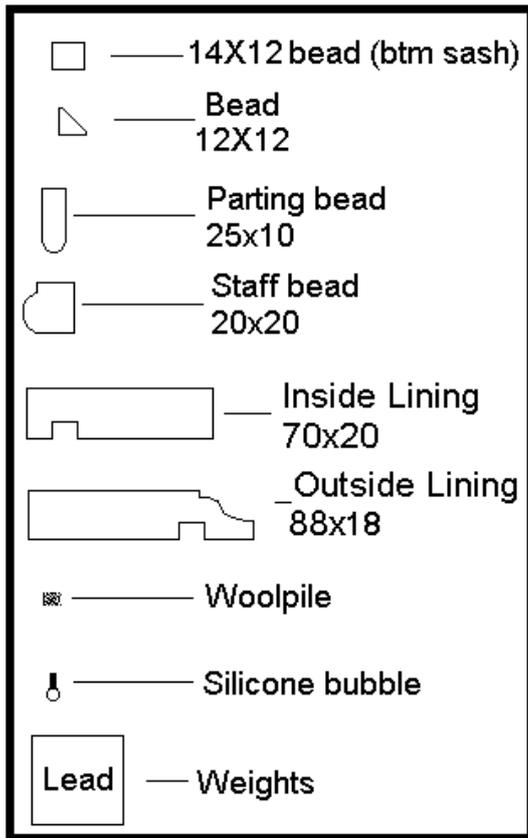
S719 REHAU HERITAGE VERTICAL SLIDER



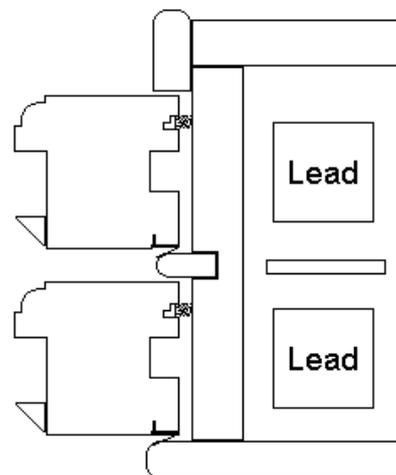
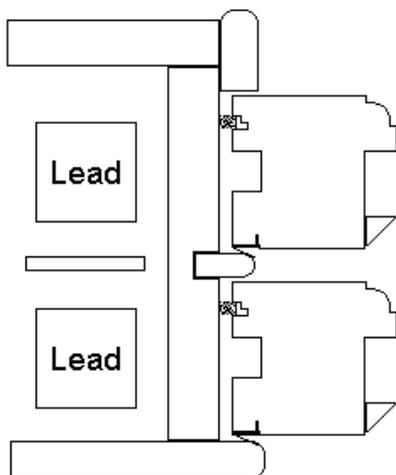
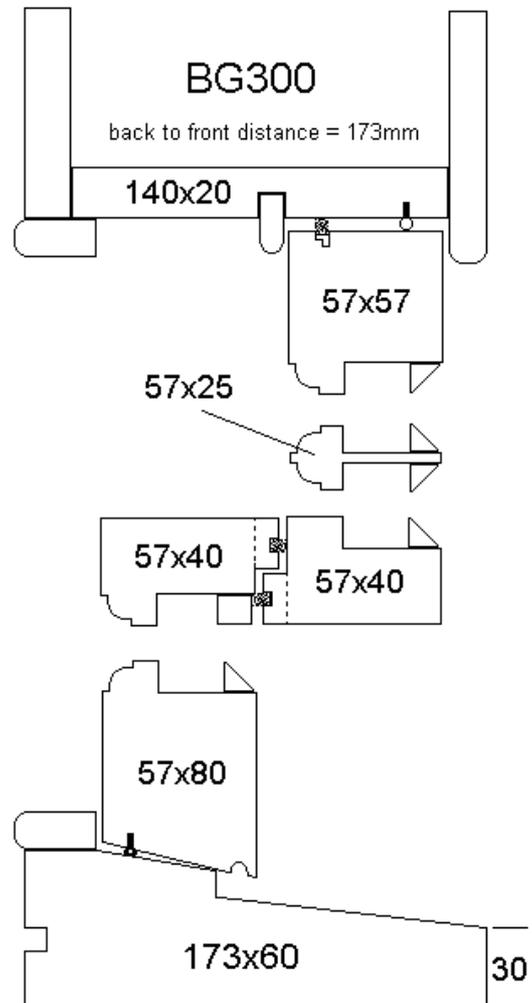
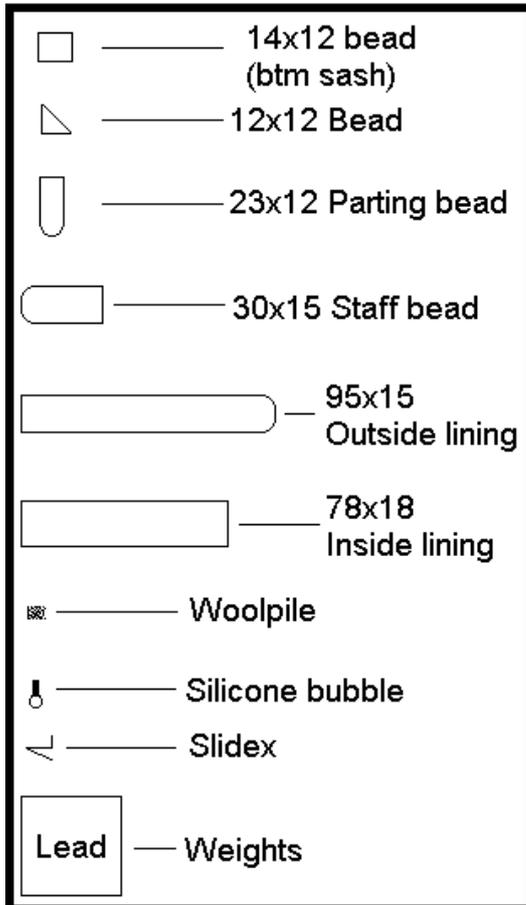
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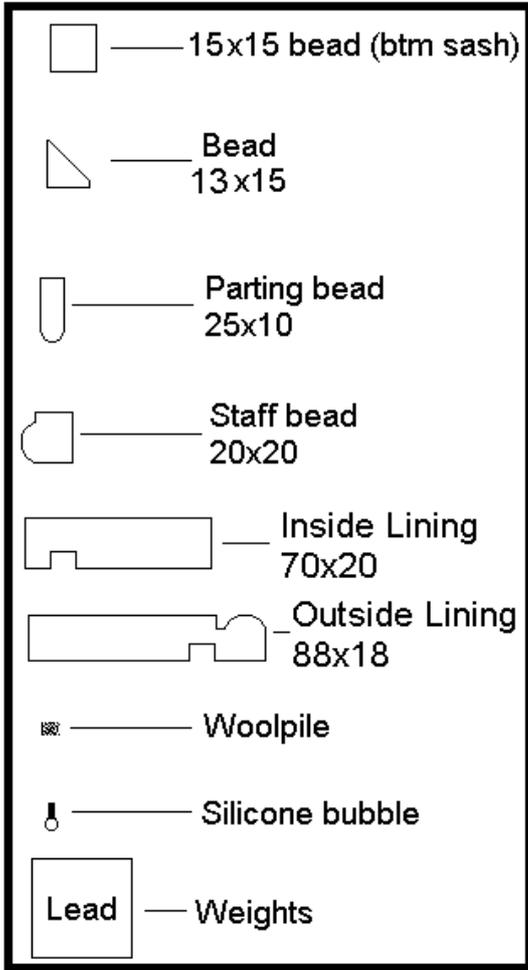
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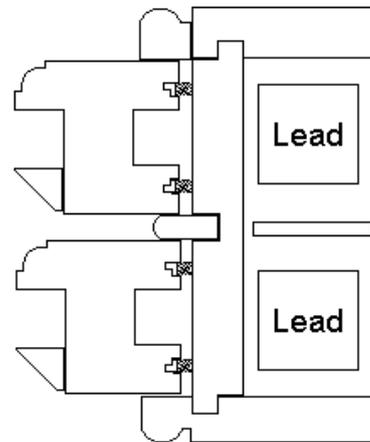
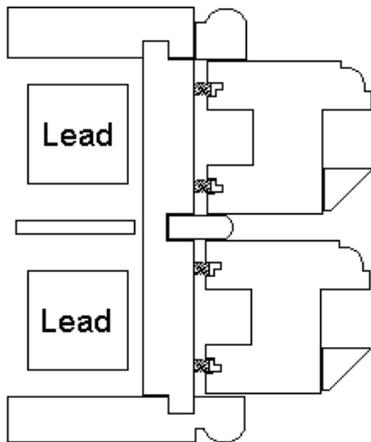
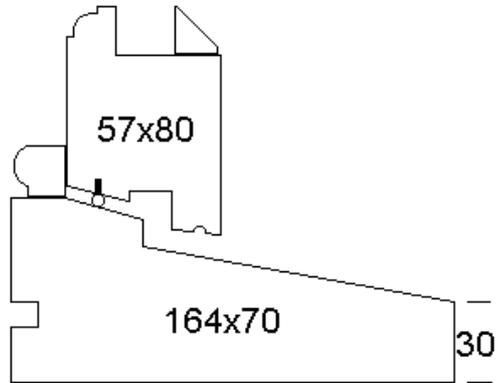
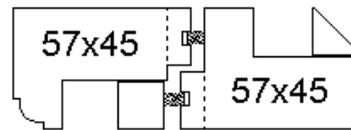
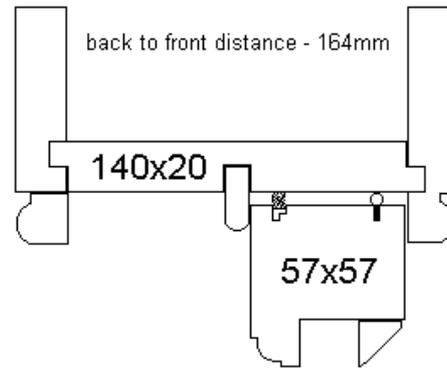
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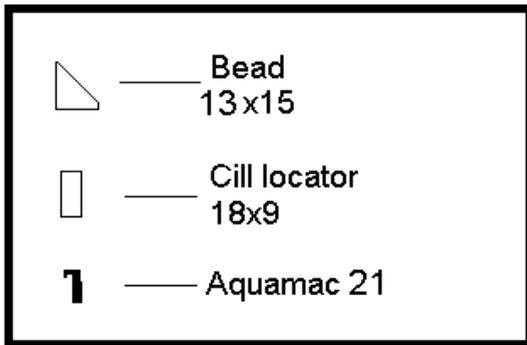
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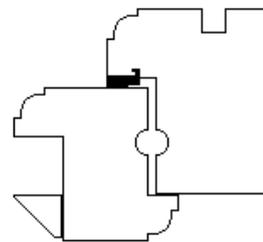
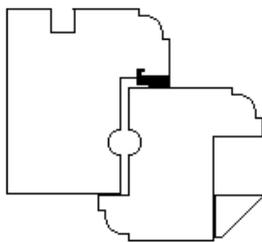
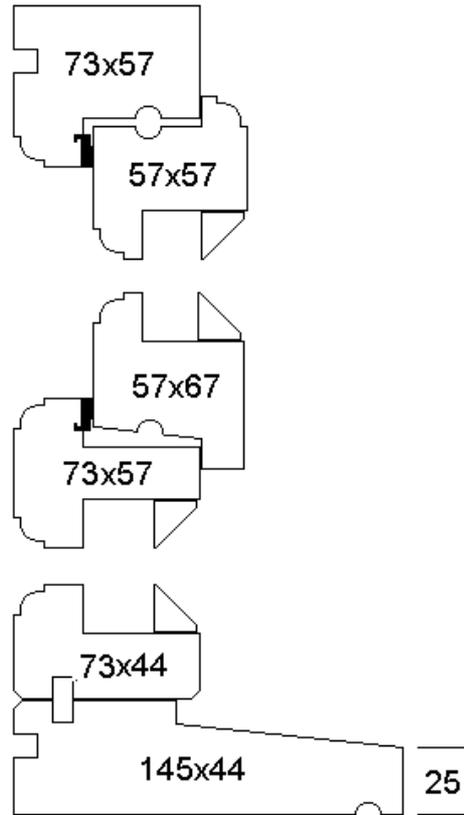
CLASSIC 300



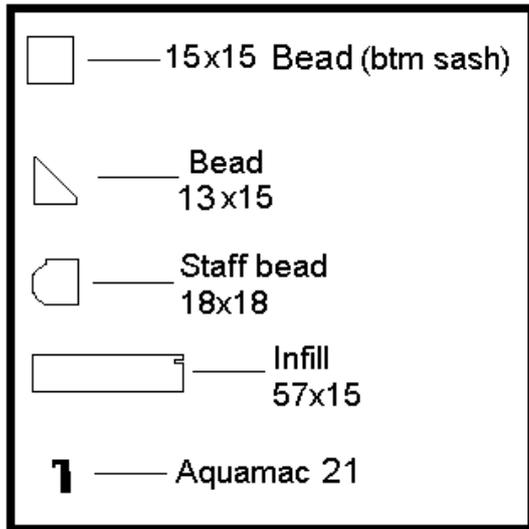
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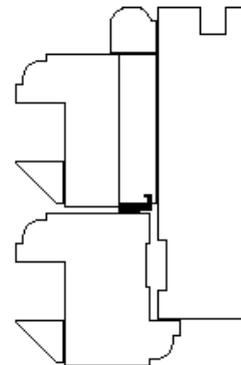
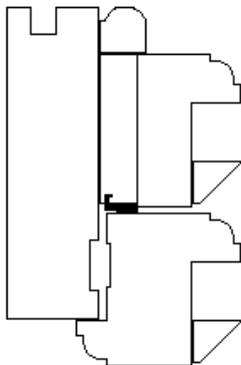
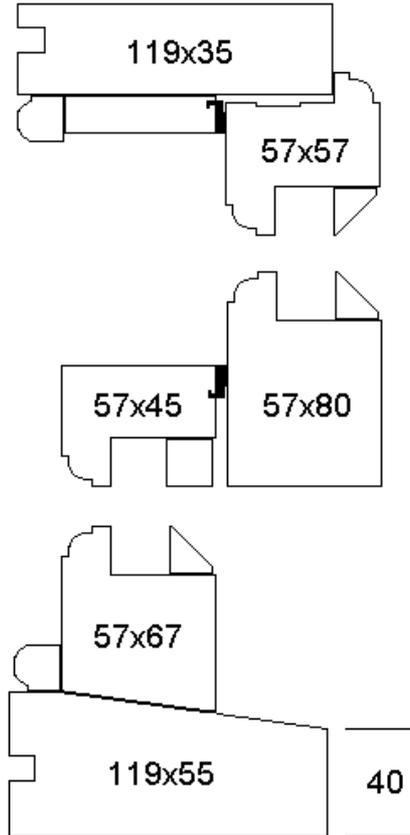
STANDARD MOCK



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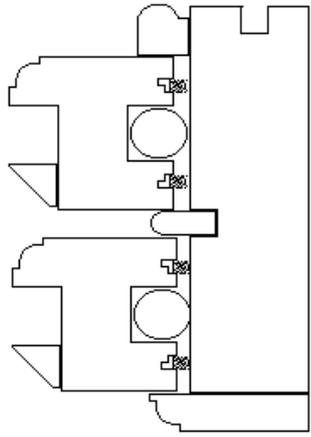
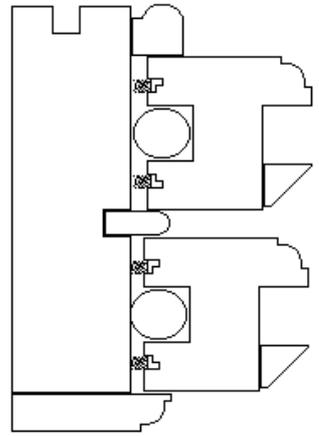
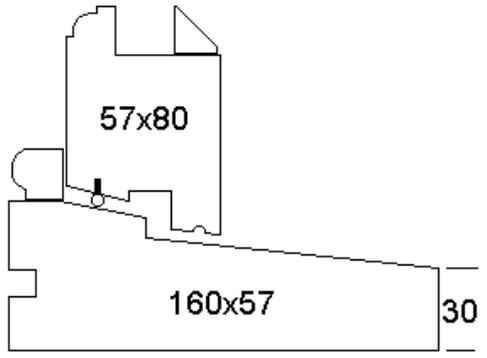
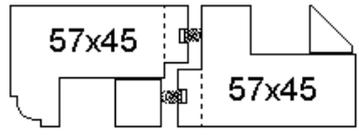
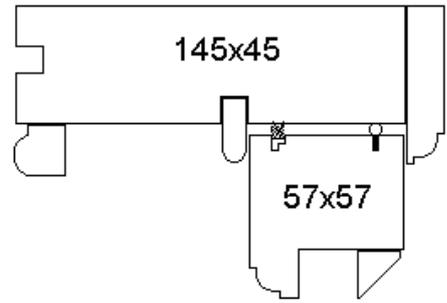
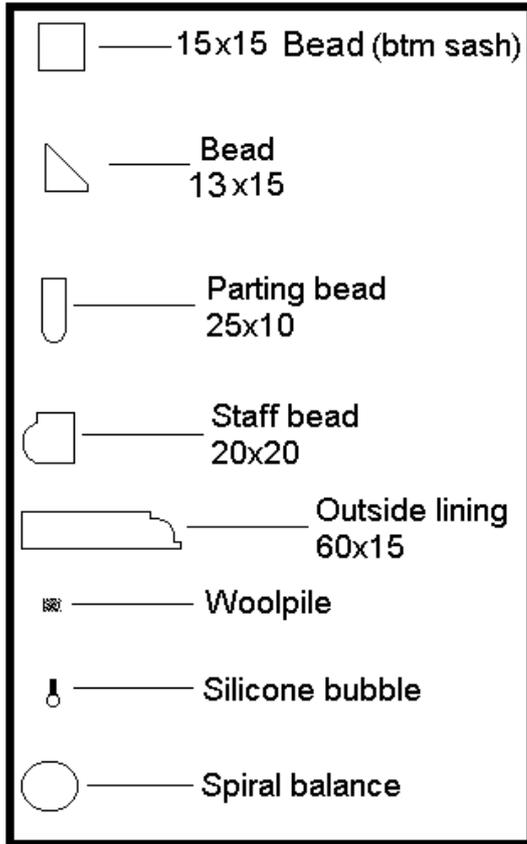
SUPERIOR MOCK



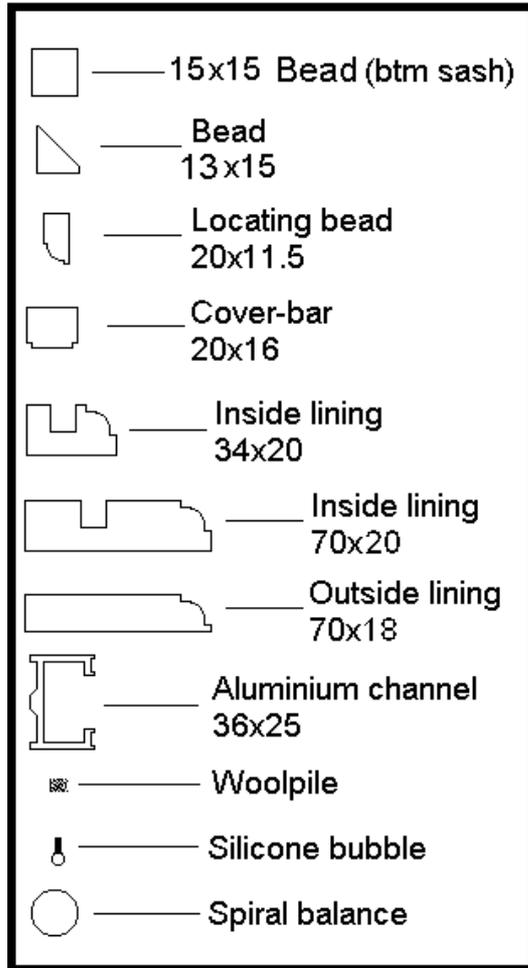
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STRAIGHT SLIDER

back to front distance = 160mm

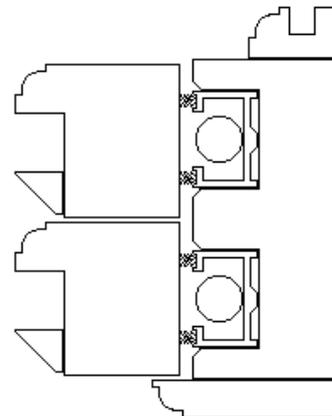
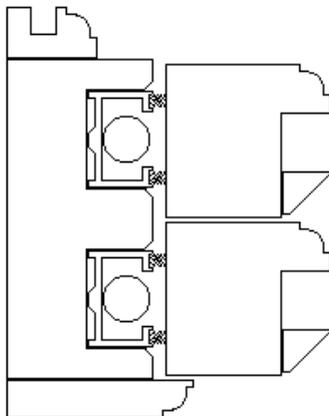
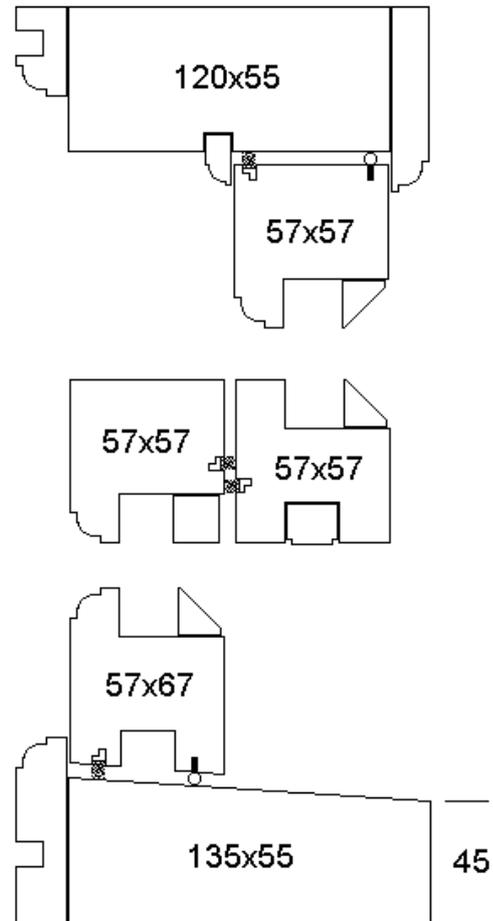


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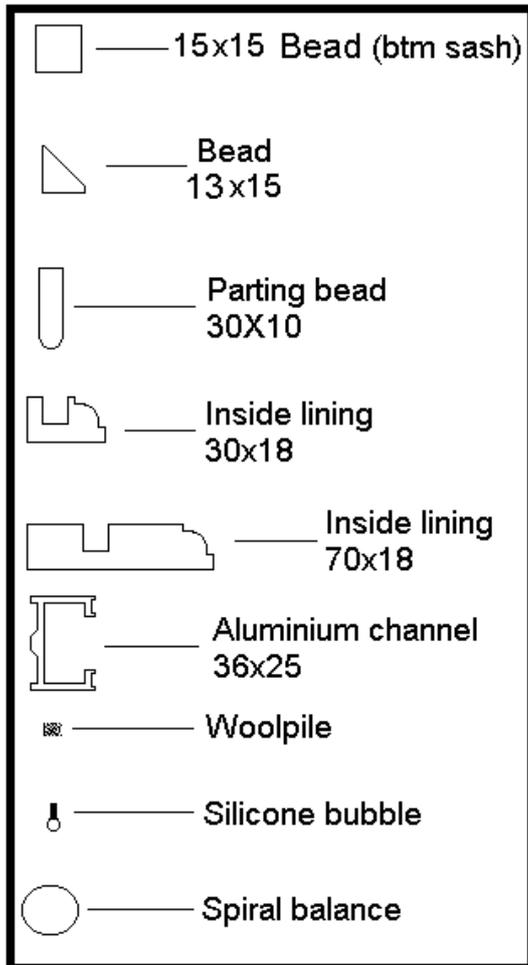


SLIDE & TILT

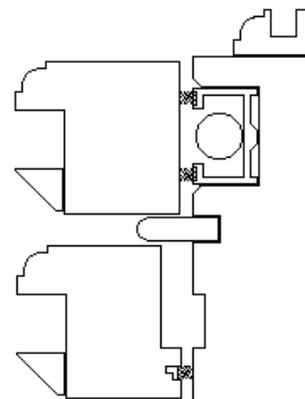
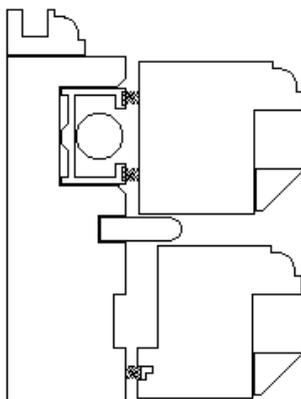
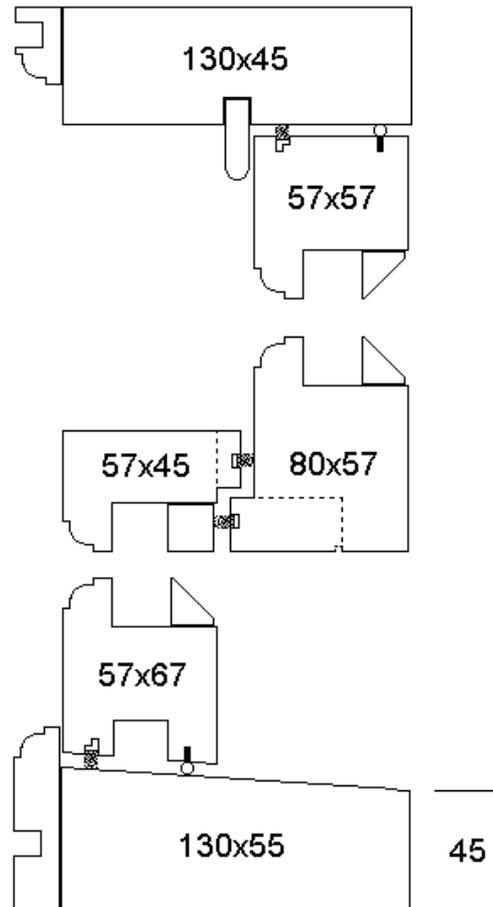
back to front distance = 155mm



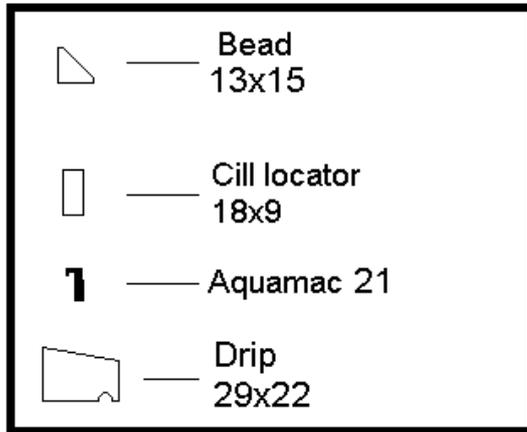
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Glyn Gary VARI-VENT
back to front distance = 148mm

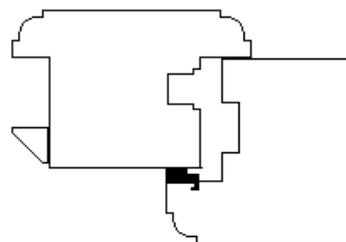
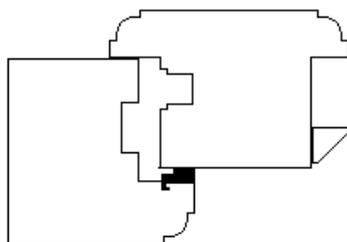
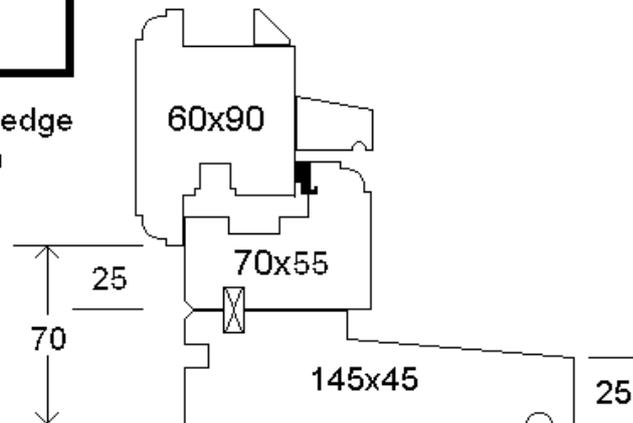
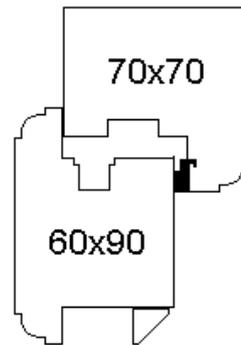


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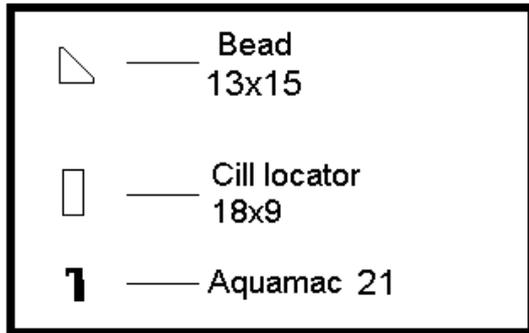


Distance from edge of hinge to edge of frame = approximately 22mm

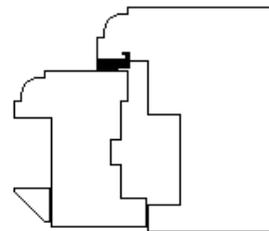
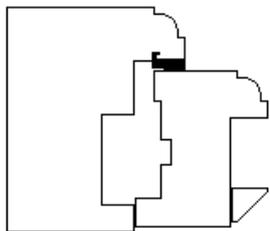
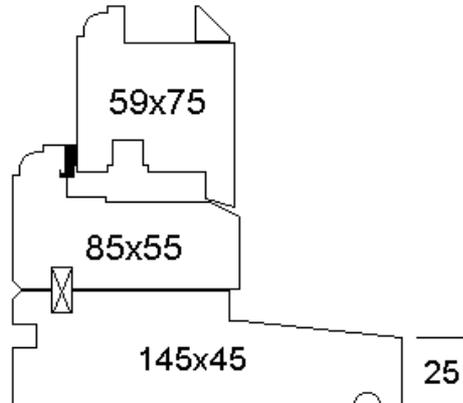
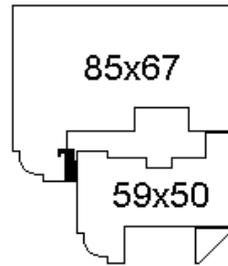
TILT & TURN



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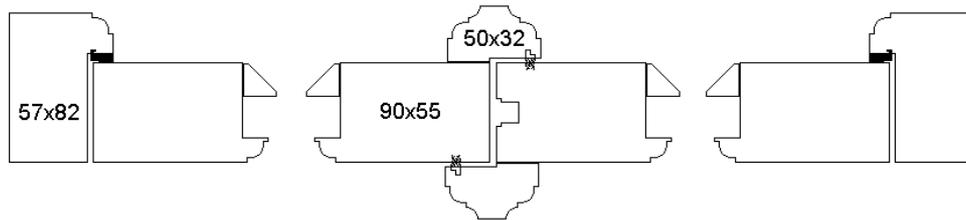


FULLY - REVERSIBLE



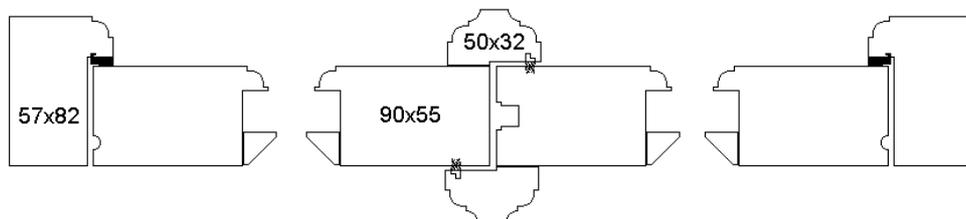
INWARD OPENING MULTI-POINT
LOCKING FRENCH DOORS

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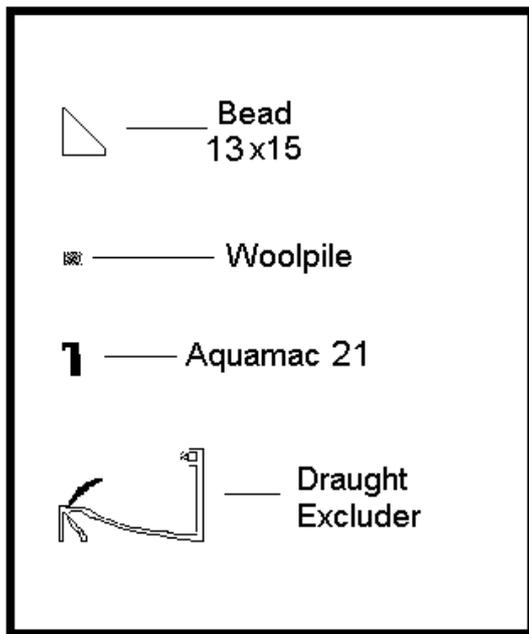


OUTWARD OPENING MULTI-POINT
LOCKING FRENCH DOORS

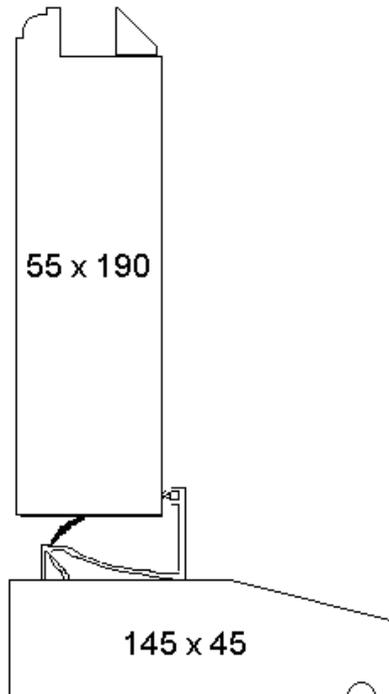
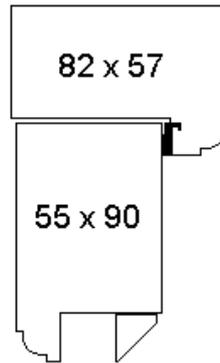
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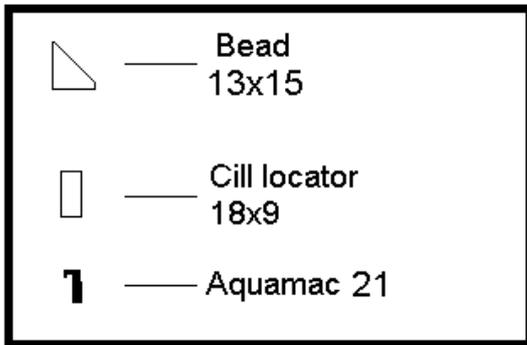
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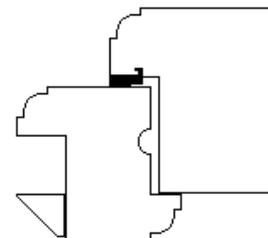
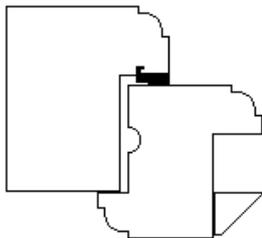
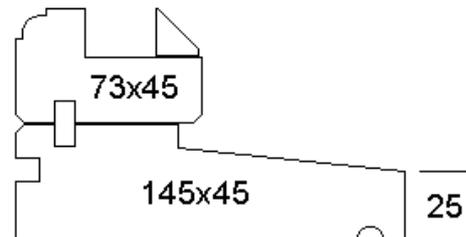
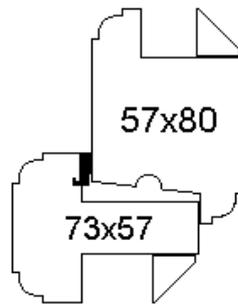
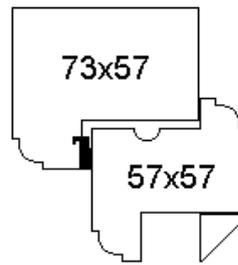
Pre Hung Door



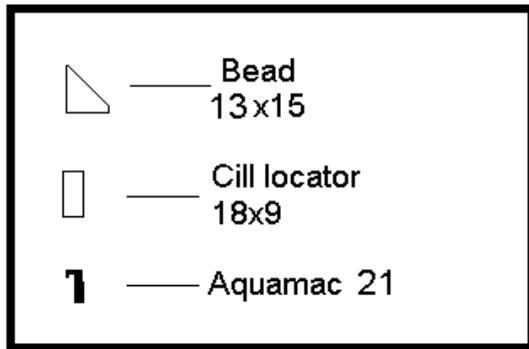
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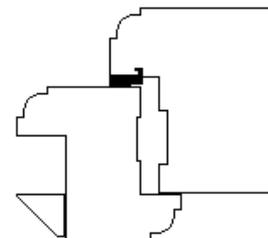
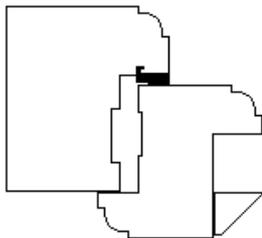
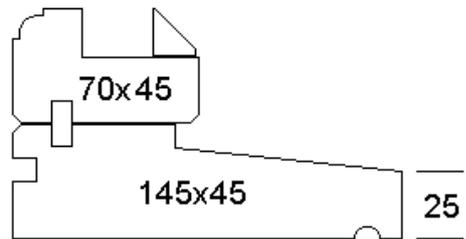
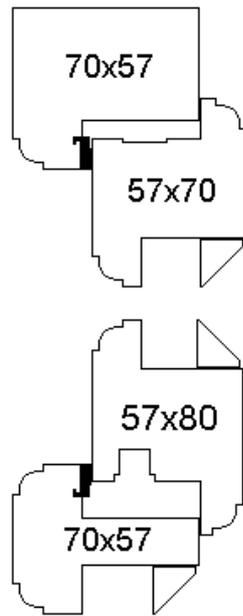
STANDARD CASEMENT



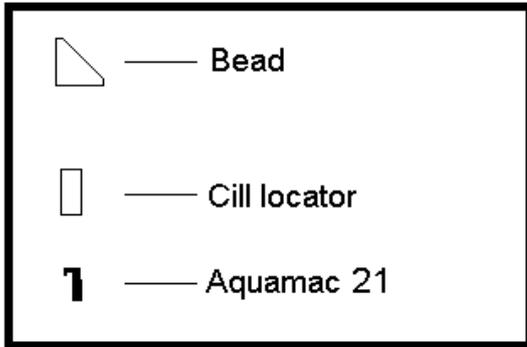
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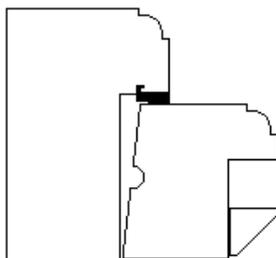
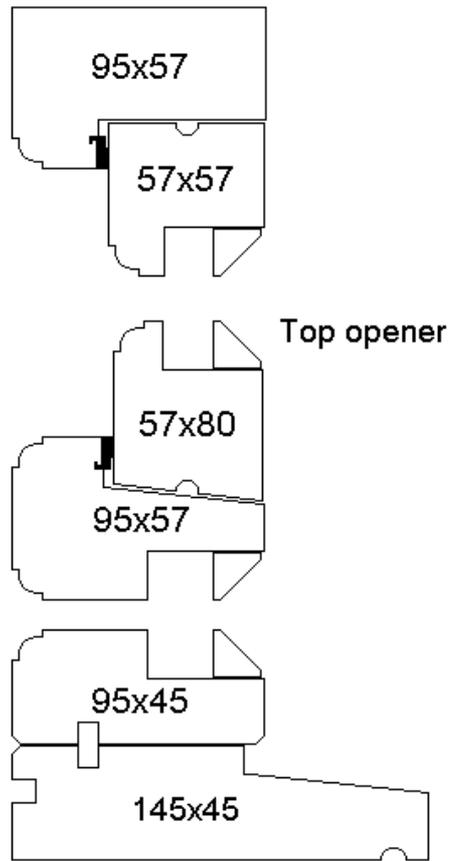
SHOOTBOLT CASEMENT



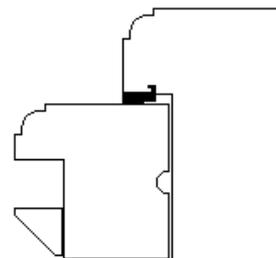
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FLUSH SASH

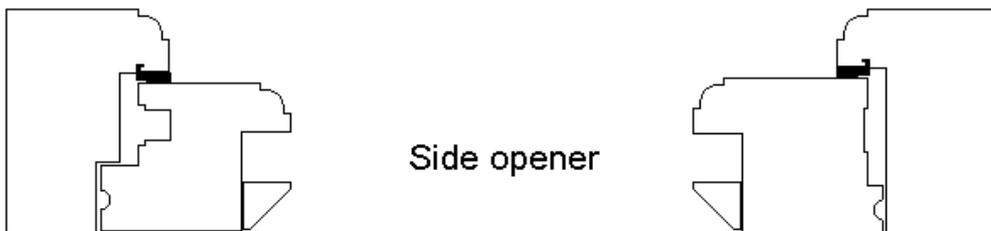
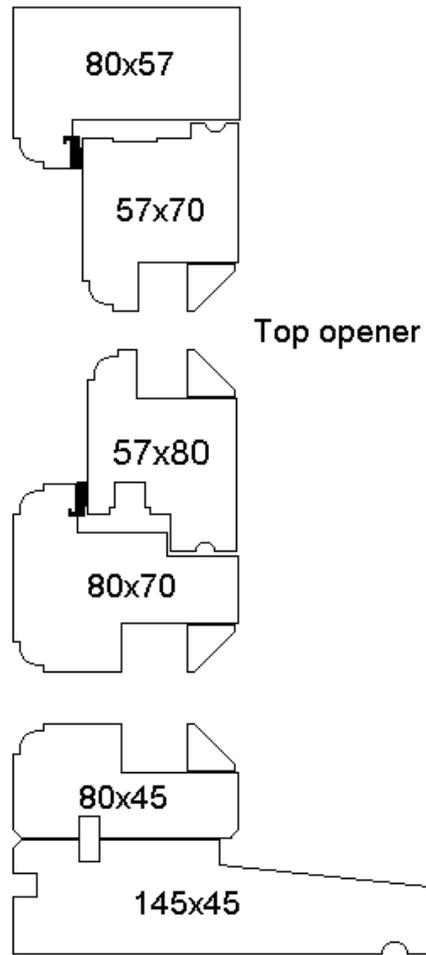
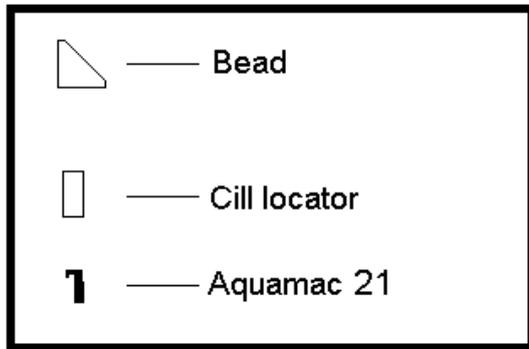


Side opener



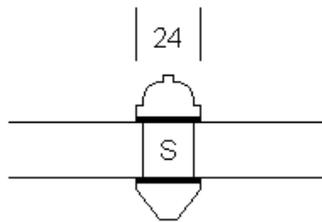
FLUSH SASH SHOOTBOLT

MARCH 2004

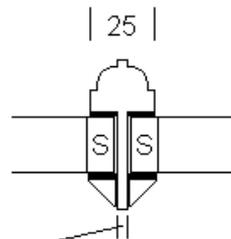


TIMBER

ASTRAGALS



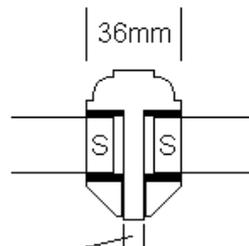
BG 300
GLAZING BAR



5mm

1mm of spacer tube showing
1mm clearance for units

GLAZING BAR



6mm

Spacer tube in line
3mm clearance for units