



Quantum[®] Awning Window

Features & Benefits

Awning Window - Features & Benefits

FRAME

- Robust 102mm semi commercial aluminium window frame - ideal for larger window applications.

SASH

- 62mm wide window sash section.
- Sash protected from the weather by a continuous hinge hood.
- Head, sill and jamb rails all have flat infill for clean lines.

SILL

- Modern sill provides a clean appearance from the inside and the outside. Awning window can be coupled to large fixed lite windows.

GLAZING & ENERGY EFFICIENCY

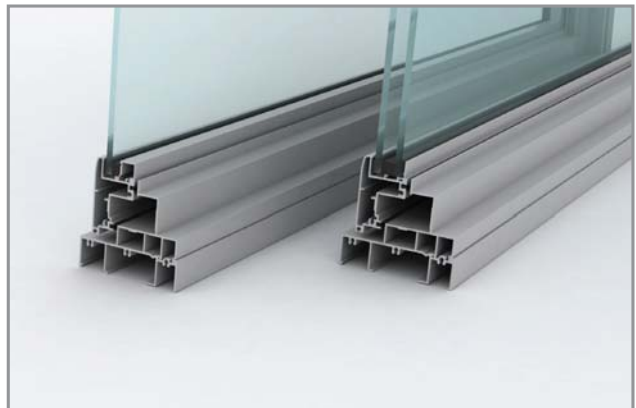
- All Trend® Windows and Doors comply with Australian Standards AS1288.
- Glazing options from 4mm single glazed to 24mm insulated glazed units (IGUs).
- Energy efficiency options available to help reduce home energy consumption.
- All glazing options are Window Energy Rating Scheme (WERS) rated - providing a wide range of energy efficient solutions.

ACOUSTICS

- Acoustic solutions available for improved noise reduction
- High R_w ratings available .

WIND & WATER RATINGS

- All Trend® Windows and Doors comply with Australian Standards AS2047 and are designed to meet and surpass 700Pa wind velocity rating and 150Pa water penetration rating.
- Pascal deflection rates up to 2200Pa.
- Awning window rated at an air infiltration of 0.16L/s m² (below the the National Construction Code (NCC) for Air conditioned spaces of 1.00L/s m²) perfect for both air conditioned and non-air conditioned spaces.





Awning Window - Features & Benefits

SECURITY

- Awning windows come standard with key lockable scissor arm winder.
- 100mm child-safe window opening restrictor is available.
- Optional **Prowler Proof** security screens available.

BUSHFIRE

- Xtreme® Bushfire Protection option available.
- Xtreme® options have been tested by CSIRO to meet BAL-40 - compliant to AS1530.8.1 within Australian Standards AS3959-2009.



HARDWARE

- High performance key lock scissor action winder mechanism.
- **Infinity** Satin Chrome hardware comes standard on awning windows.
- Optional colours available:
 - Pearl White
 - Stone Beige
 - Anodic Natural Matt
 - Gloss Black
- For frames higher than 1499mm and/or wider than 1201mm, side cam lock is standard.
- Window locks can be keyed alike to other Quantum® products for ease of use.

OPTIONS

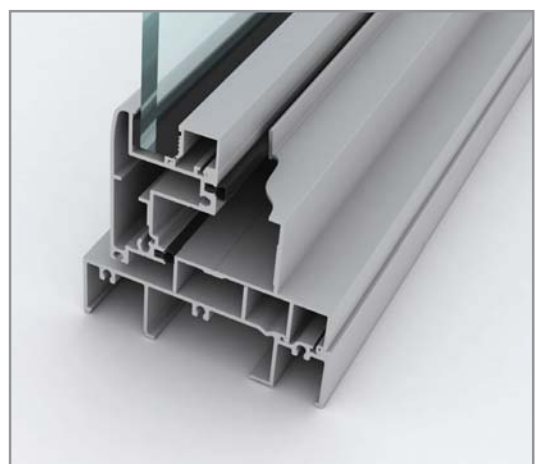
- Glazing options also available in bar layout styles:
 - Colonial
 - Federation
 - Ovolo glazing bar style*
- Wide range of powder coated colours.
- Easy to fit and remove flyscreens available.
- Customised WERS ratings.
- Variety of sizes and custom made options available (including bay window styles).
- Variety of configuration options available.

**Ovolo only available in single glazing..*

DELIVERY

- Protective wrapping for delivery to site comes standard for all Quantum® products.

Note: Care should be taken when placing awning window near pedestrian access.

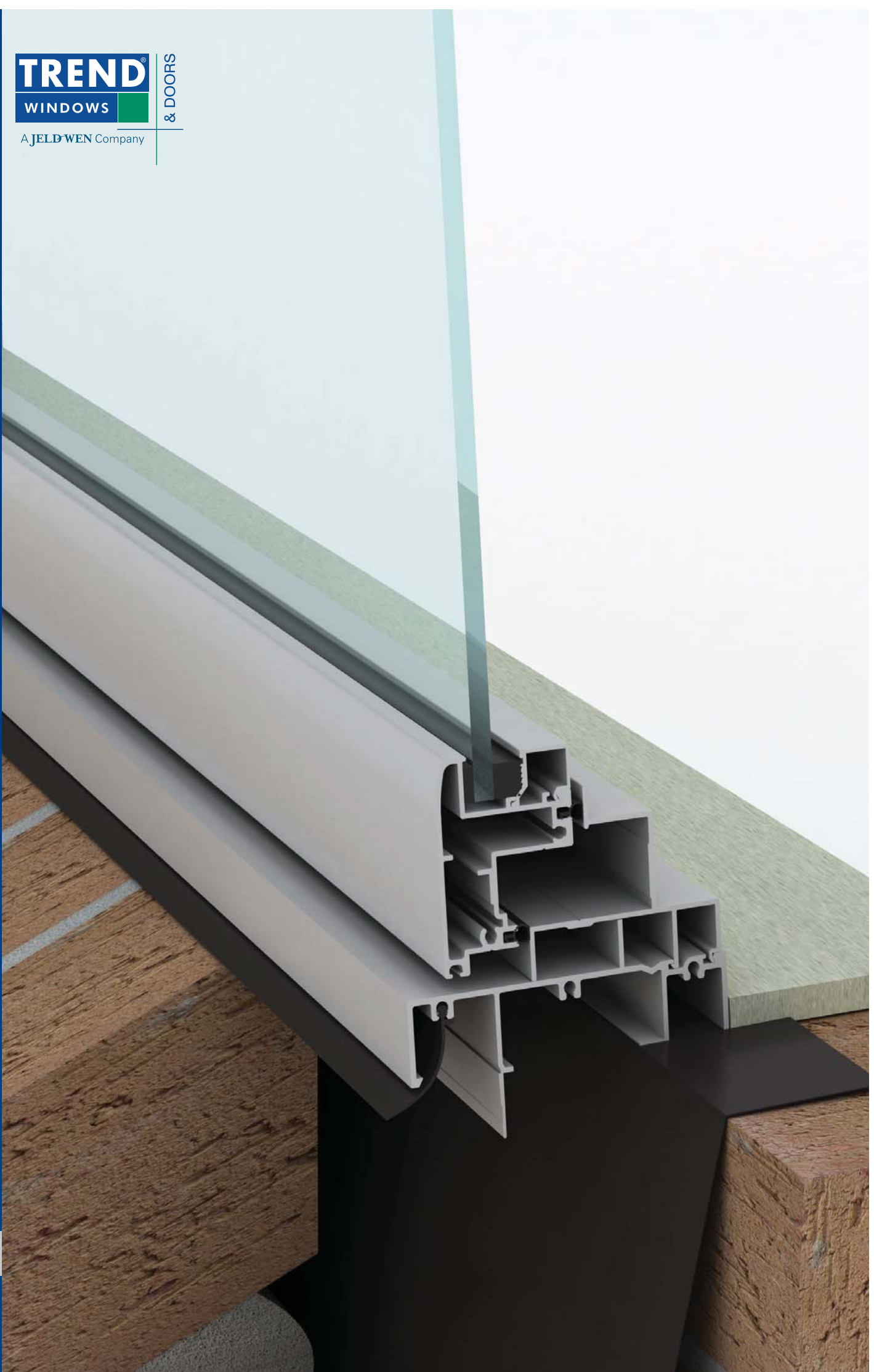


Please note that drawings displayed are not to scale

TREND[®]
WINDOWS

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Quantum[®] Awning Window Installation

Awning Window - Installation

Building In Detail | Brick Veneer - 240mm wall



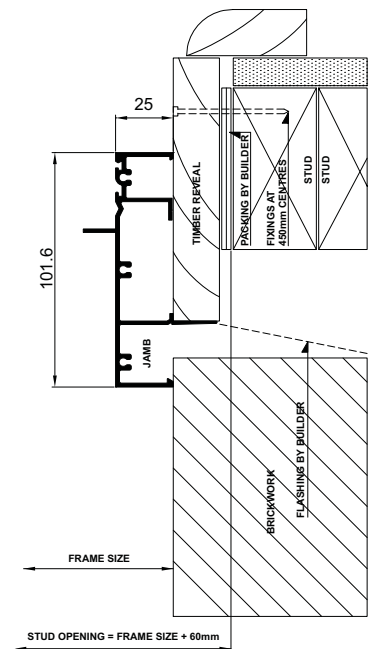
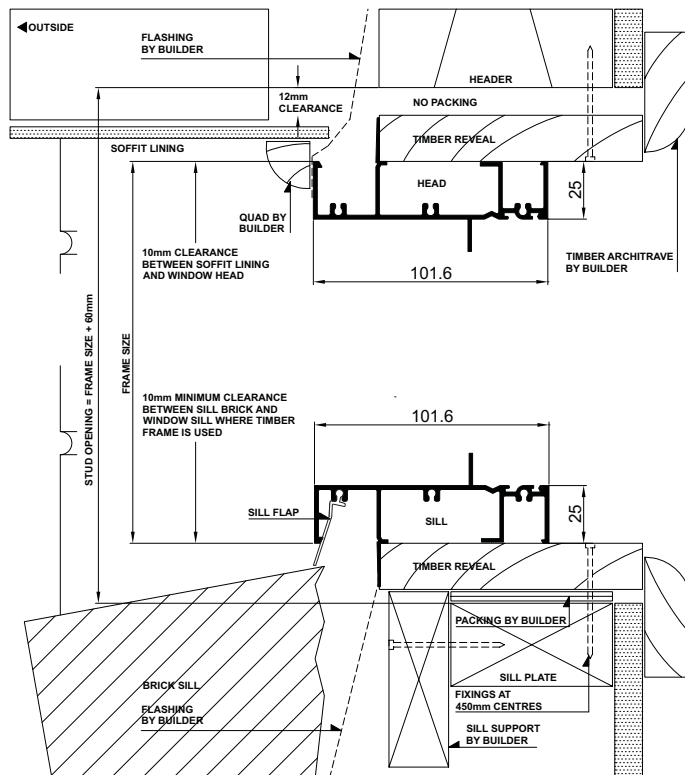
INSTALLING FRAME CORRECTLY

- Fit flashing to window surround (refer to drawing below).
- Measure the frame opening to ensure that there is sufficient room for the product and additional packing.

Stud Opening:

Height = Frame Size + 60mm
Width = Frame Size + 60mm

- Secure aluminum windows by nailing through reveal into studwork - fixing at 450mm maximum centres.
- Sill bricks should be at least 10mm clear of window frame to allow settlement in brick veneer construction.
- Header beam should be at least 12mm clear of window frame.
- Do not permit weight of eaves or arch bars to bear on any window or door frame. **(Windows and doors are not load bearing.)**
- To ensure the satisfactory long term performance of window, install sill support (refer to drawings below).





Awning Window - Installation

Building In Detail | **Double Brick - 280mm wall**



INSTALLING FRAME CORRECTLY

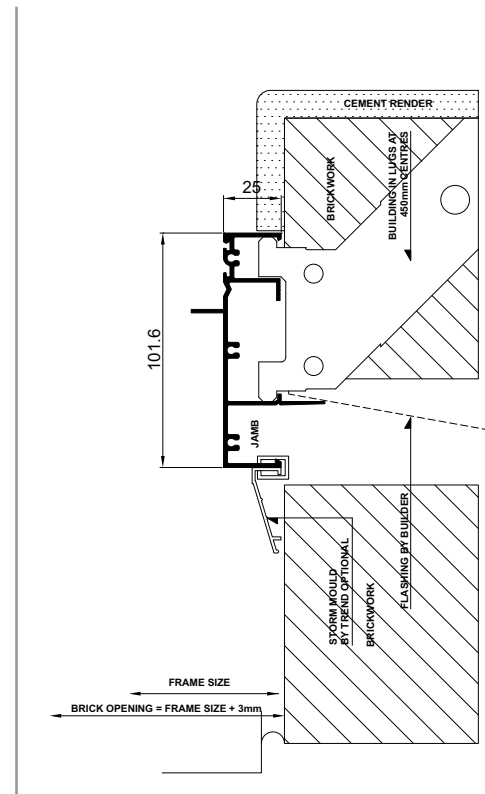
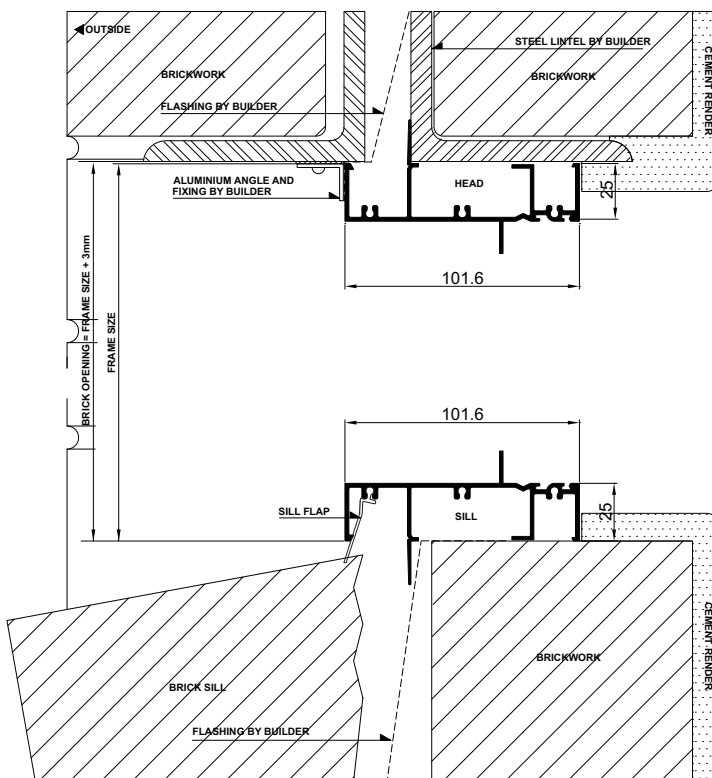
- Fit flashing to window surround (refer to drawing below).
- Measure the frame opening to ensure that there is sufficient room for the product and additional packing.

Brick Opening:

Height = Frame Size + 3mm

Width = Frame Size + 3mm

- Secure aluminum windows by using building lug - fixing at 450mm maximum centres.
- Sill bricks should be at least 10mm clear of window frame to allow settlement in brick veneer construction.
- Do not permit weight of eaves or arch bars to bear on any window or door frame. (**Windows and doors are not load bearing.**)



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Awning Window - Installation

Building In Detail | Double Brick - 280mm wall | Prepared Opening



INSTALLING FRAME CORRECTLY

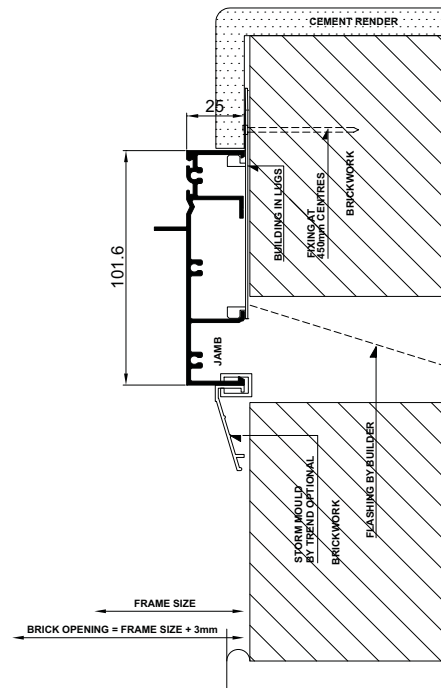
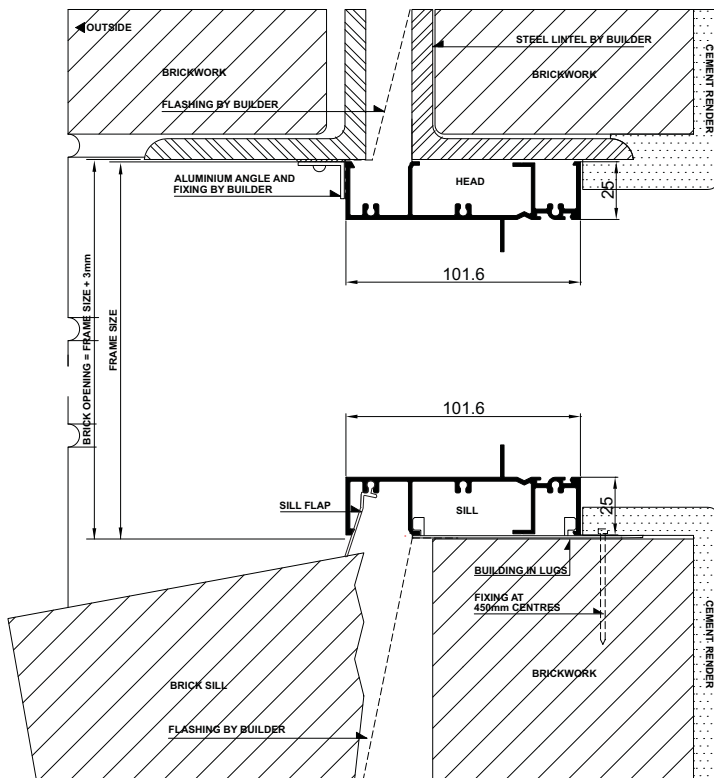
- Fit flashing to window surround (refer to drawing below).
- Measure the frame opening to ensure that there is sufficient room for the product and additional packing.

Brick Opening:

Height = Frame Size + 3mm

Width = Frame Size + 3mm

- Secure aluminum windows by using building lug - fixing at 450mm maximum centres.
- Sill bricks should be at least 10mm clear of window frame to allow settlement in brick veneer construction.
- Do not permit weight of eaves or arch bars to bear on any window or door frame. (**Windows and doors are not load bearing.**)





Awning Window - Installation

Building In Detail | Cladding on Studs



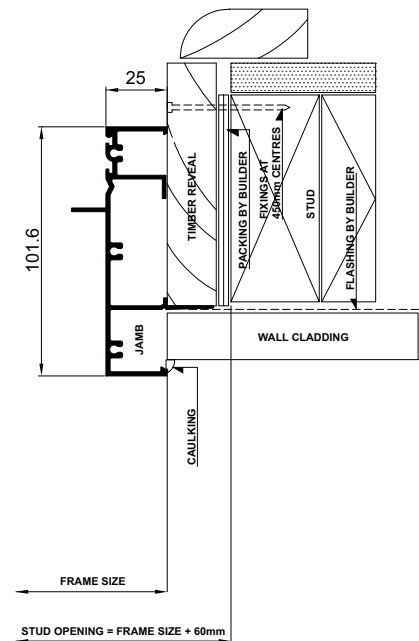
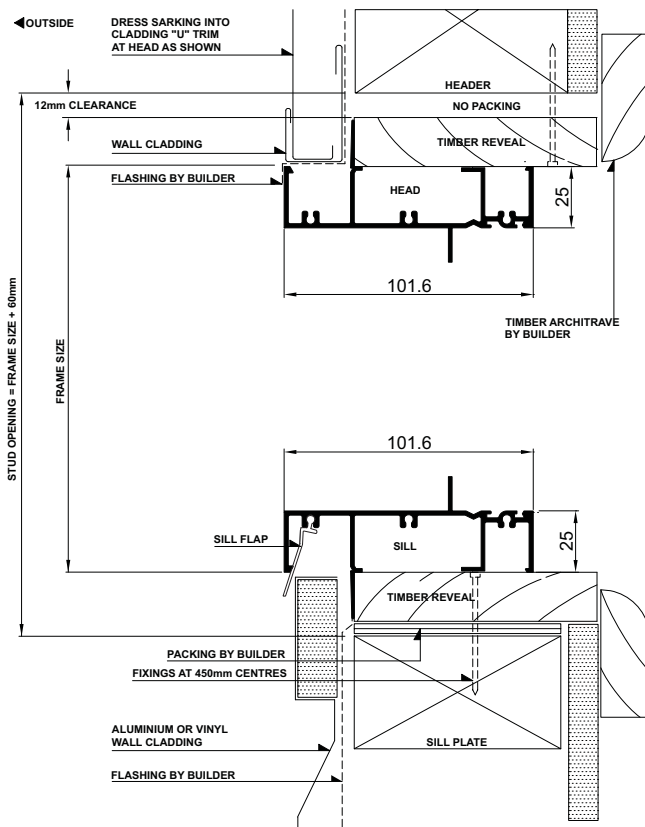
INSTALLING FRAME CORRECTLY

- Fit flashing to window surround (refer to drawing below).
- Measure the frame opening to ensure that there is sufficient room for the product and additional packing.

Stud Opening:

Height = Frame Size + 60mm
Width = Frame Size + 60mm

- Secure aluminum windows by nailing through reveal into studwork - fixing at 450mm maximum centres.
- Header beam should be at least 12mm clear of window frame.
- Do not permit weight of eaves or arch bars to bear on any window or door frame. **(Windows and doors are not load bearing.)**



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Awning Window - Installation

Building In Detail | **Blockwork**



INSTALLING FRAME CORRECTLY

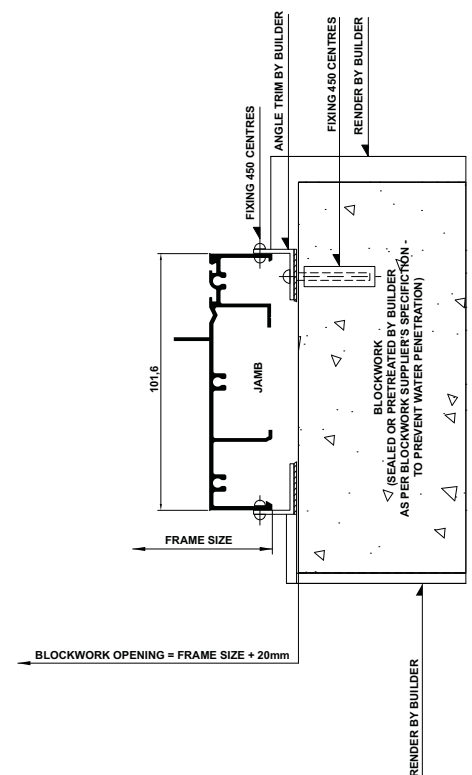
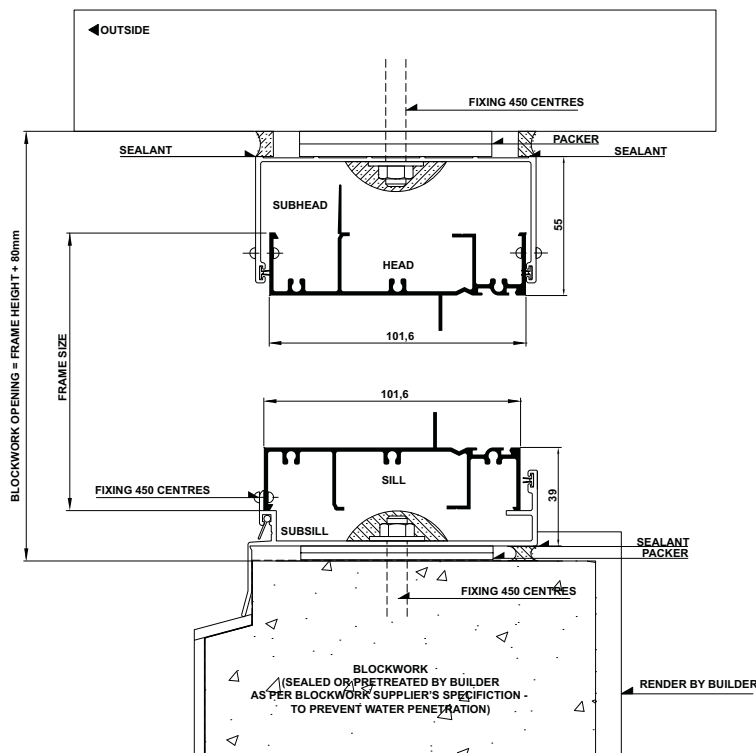
- Measure the frame opening to ensure that there is sufficient room for the product and additional packing.

Blockwork Opening:

Height = Frame Size + 80mm

Width = Frame Size + 20mm

- Fit subframe to opening and seal fixings.
- Seal ends of subsill with angle.
- Fit window to subframe (screw or pop-rivet).
- Do not permit weight of eaves or arch bars to bear on any window or door frame. **(Windows and doors are not load bearing.)**





INSTALLING FRAME CORRECTLY

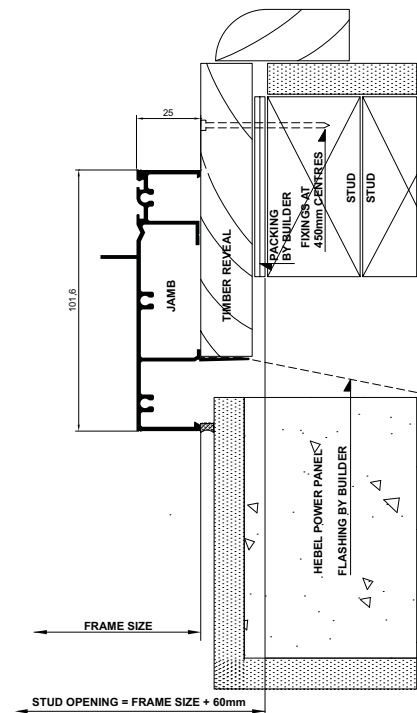
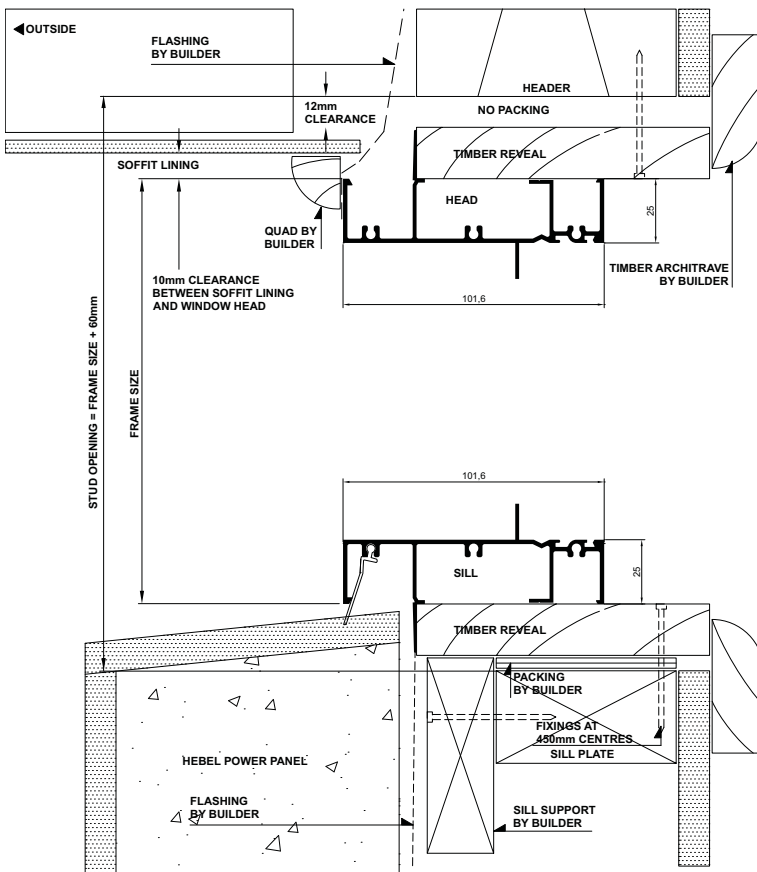
- Fit flashing to window surround (refer to drawing below).
- Measure the frame opening to ensure that there is sufficient room for the product and additional packing.

Stud Opening:

Height = Frame Size + 60mm

Width = Frame Size + 60mm

- Secure aluminum windows by nailing through reveal into studwork - fixing at 450mm maximum centres.
- Caulk between render and frame.
- Header beam should be at least 12mm clear of window frame.
- Do not permit weight of eaves or arch bars to bear on any window or door frame. **(Windows and doors are not load bearing.)**
- To ensure the satisfactory long term performance of windows, install sill support (refer to drawings below).



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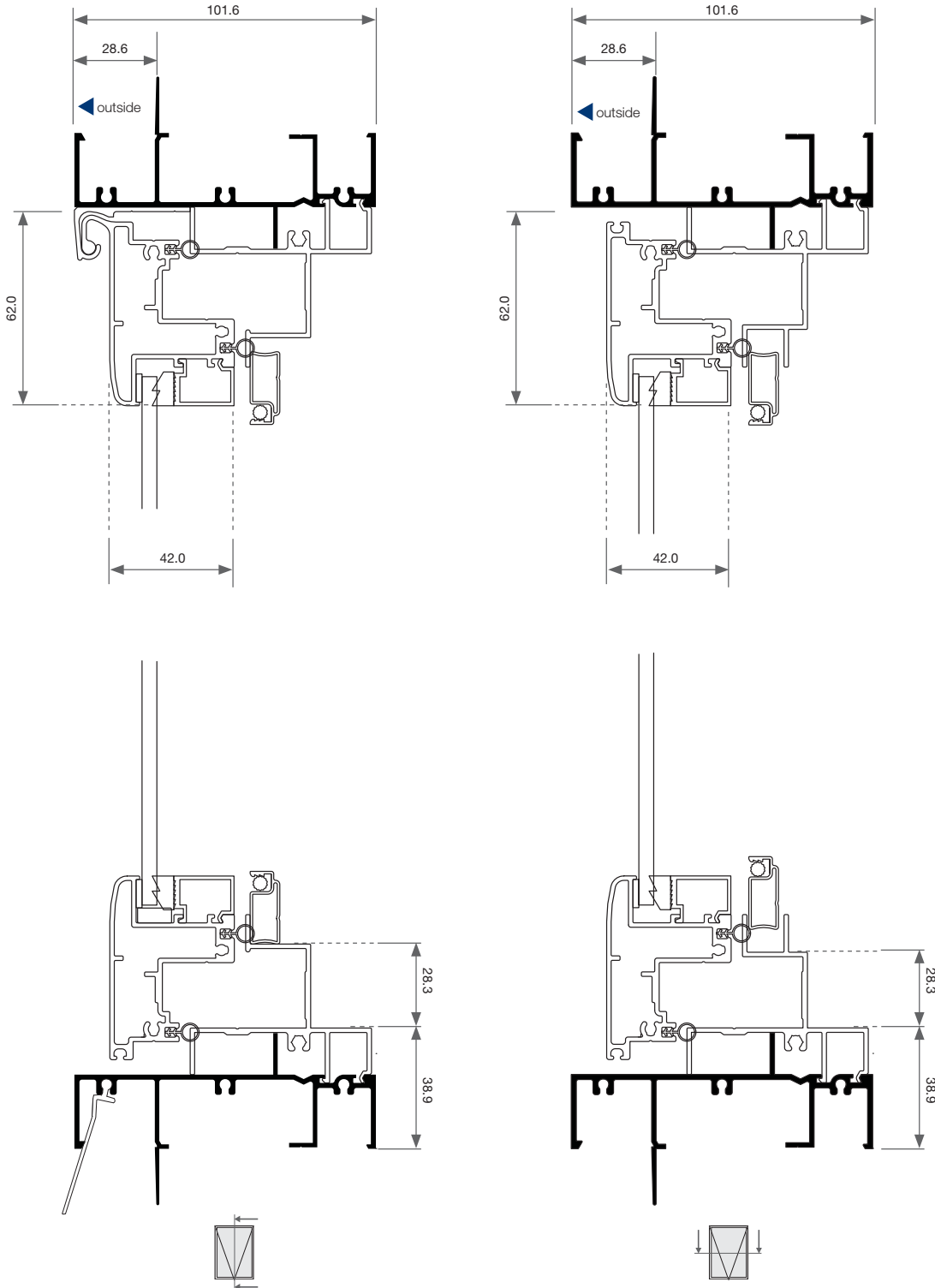


Quantum[®] Awning Window

Cross Sectional Views

Awning Window - Cross Sectional View

Single Lite

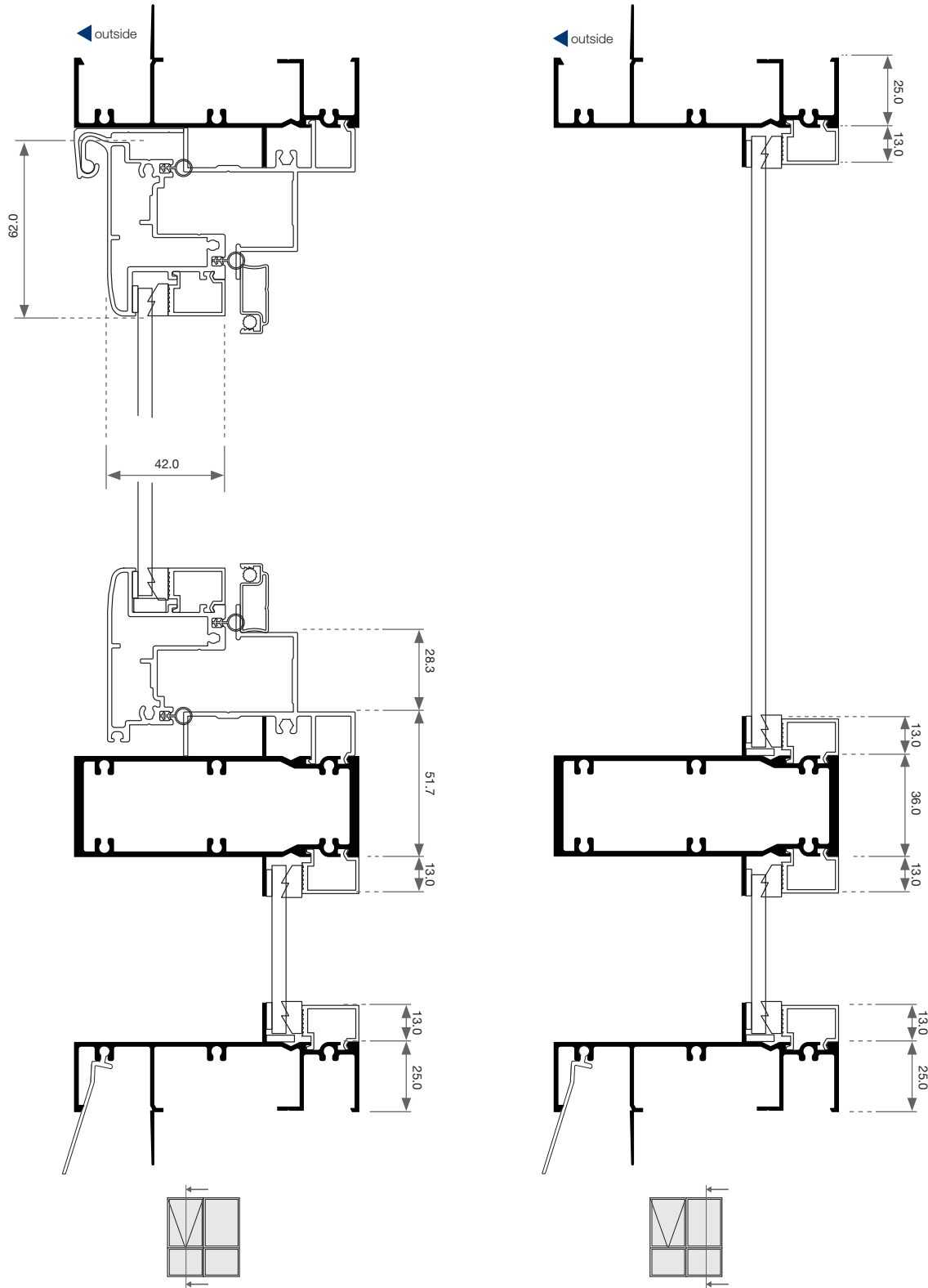


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Awning Window - Cross Sectional View

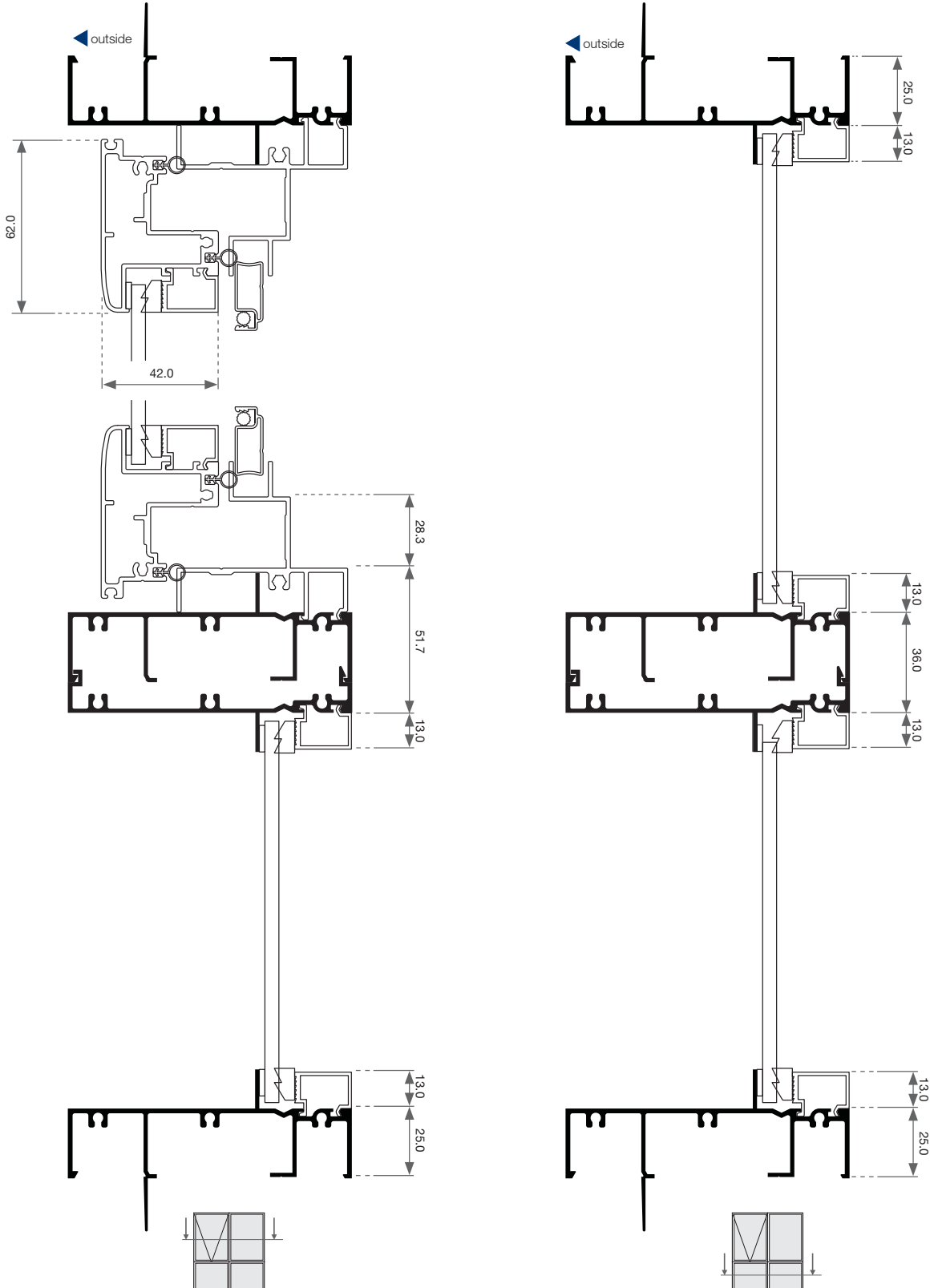
Two Lite | Transom | Elevation



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Awning Window - Cross Sectional View

Two Lite | Transom | Plan

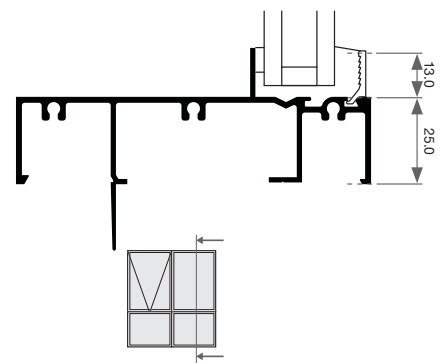
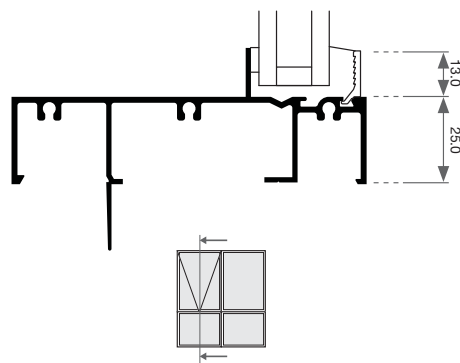
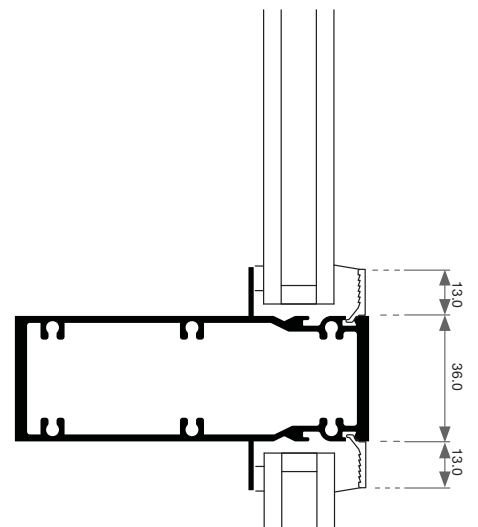
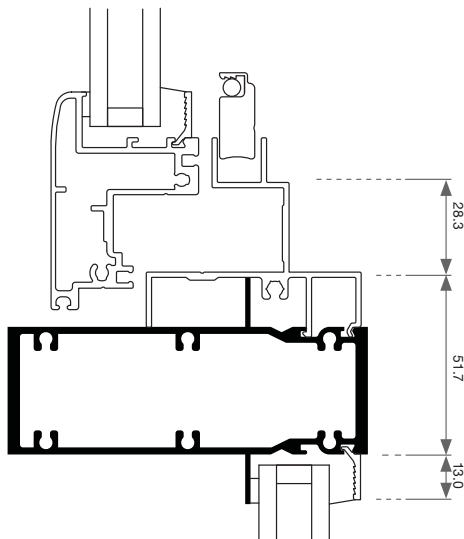
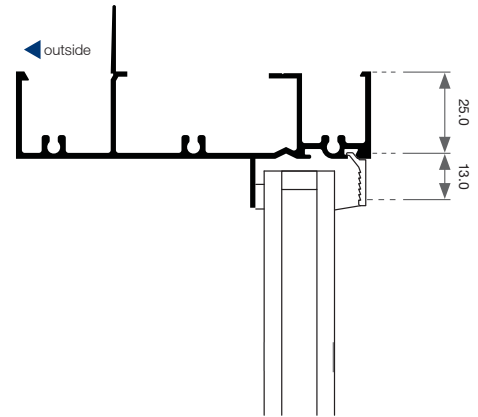
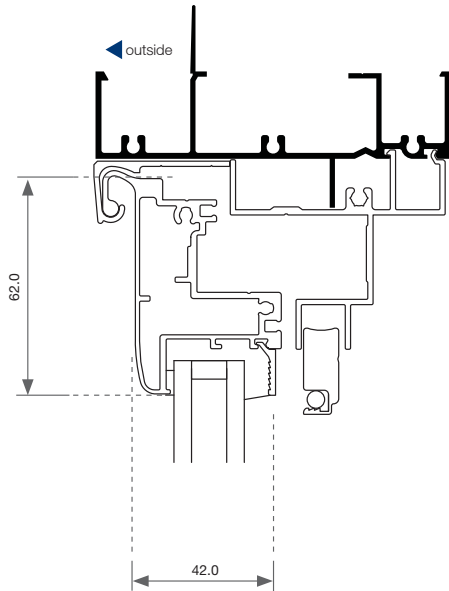


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Awning Window - Cross Sectional View

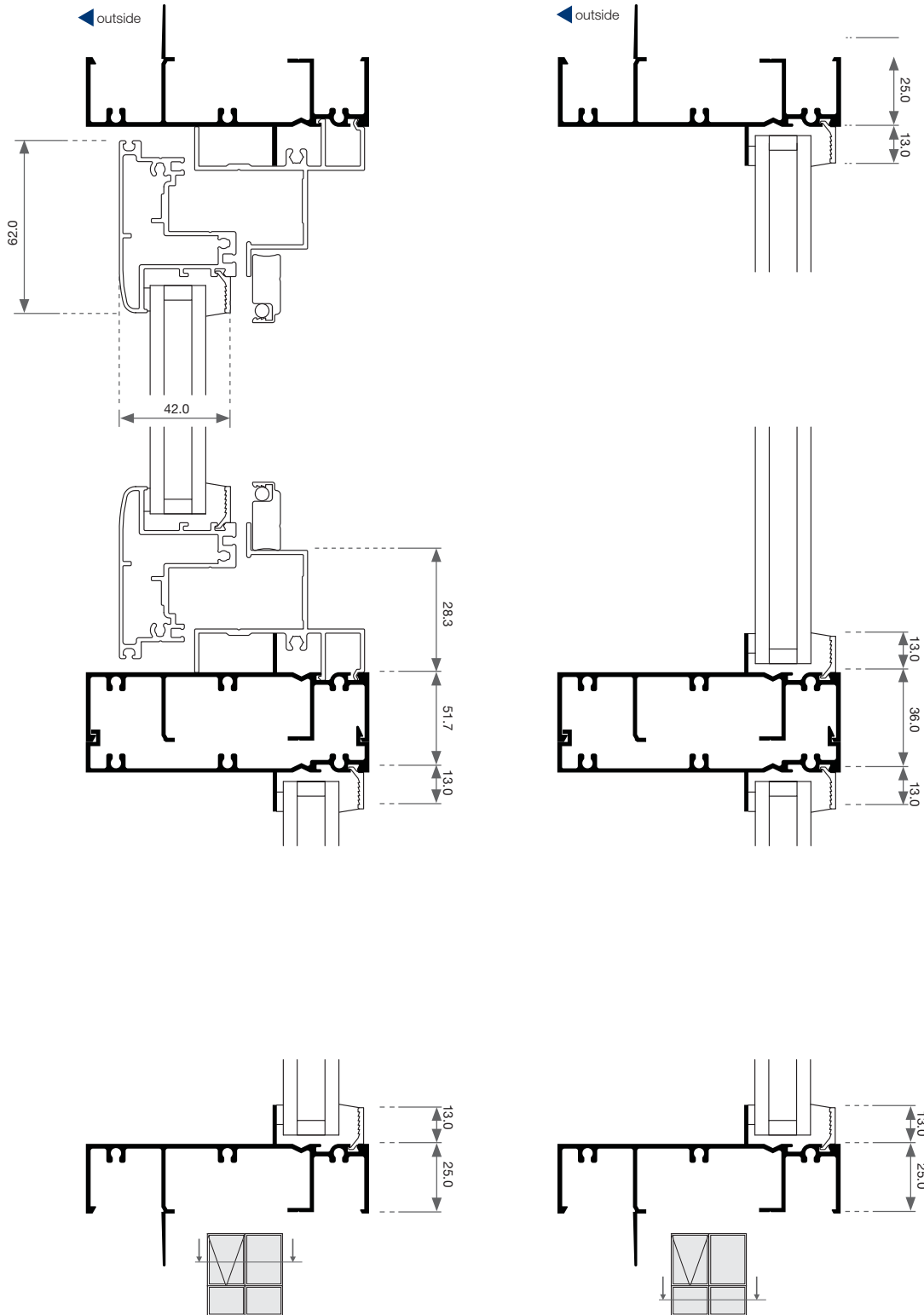
Two Lite | Transom | Double Glazed



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Awning Window - Cross Sectional View

Two Lite | Transom | Double Glazed

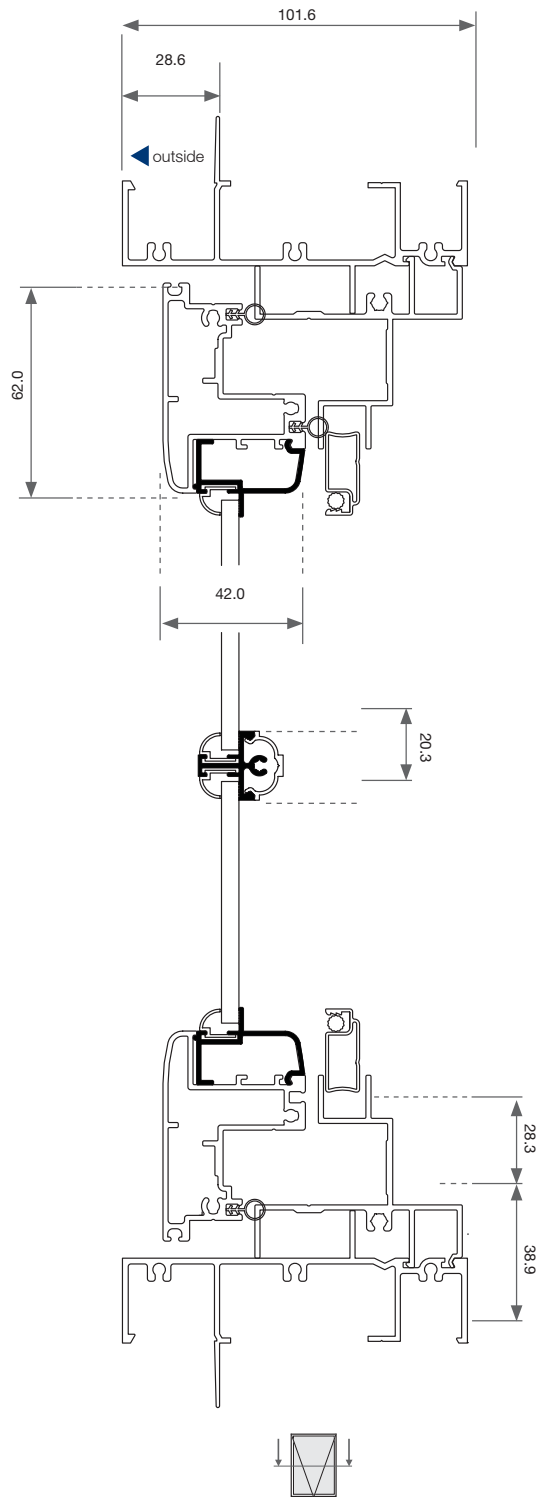
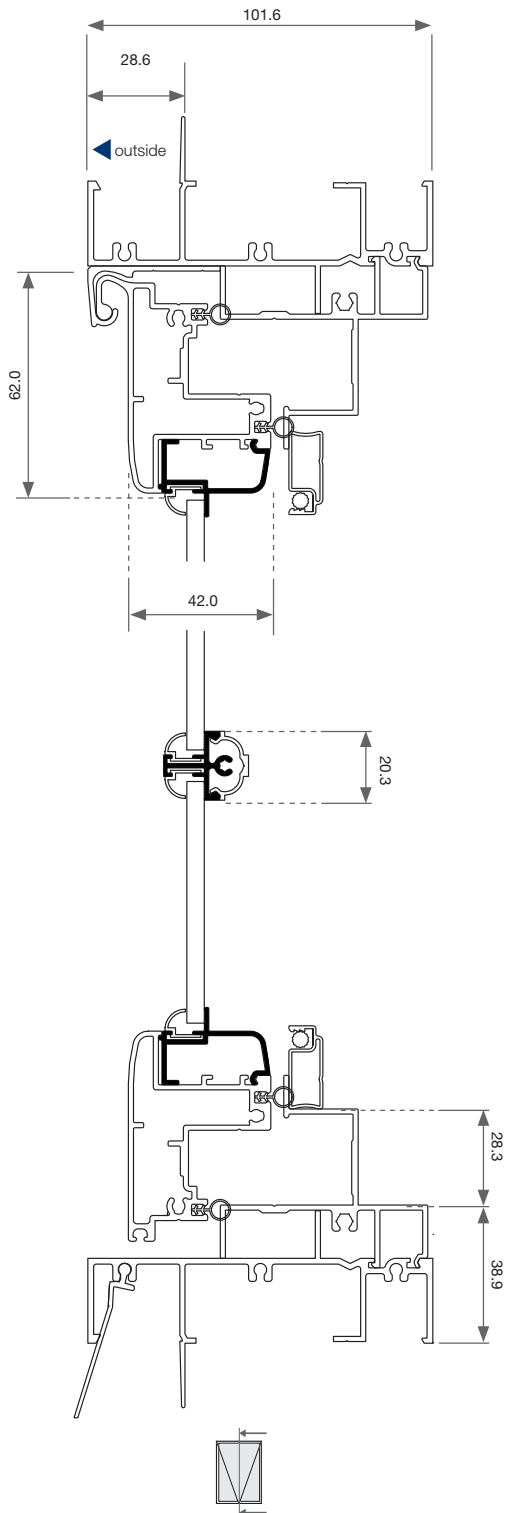


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Awning Window - Cross Sectional View

Ovolo



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