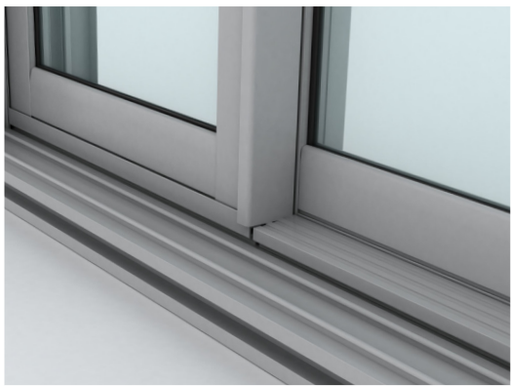
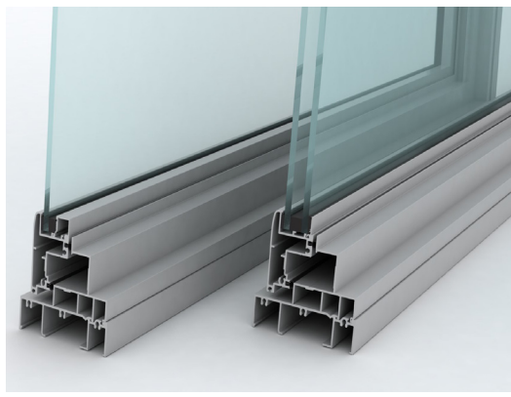
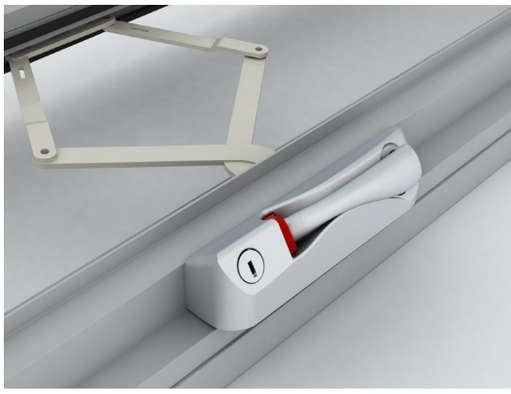
TREND® WINDOWS & DOORS

Quantum® Windows & Doors Series
ARCHITECTURAL DESIGN MANUAL







Quantum®

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Note: Hardware displayed in images may vary from state to state due to supplier availability.Trend® Windows & Doors Pty Ltd reserve the right to make changes to products(s) without notices.

Please note that drawings displayed in this document are not to scale

Quantum® 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

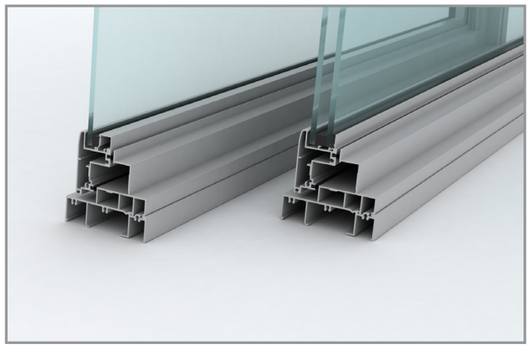
- All Trend® Windows and Doors comply with Australian Standards AS1288.
- Glazing options from 4mm single glazed to 24mm insulated glazed units (IGUs).
- Energy efficiency options available to help reduce home energy consumption.
- All glazing options are Window Energy Rating Scheme (WERS) rated - providing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

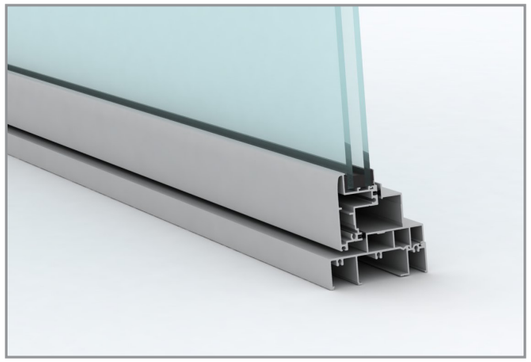
ACOUSTICS

- 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 m^2 (below the the National Construction Code (NCC) for Air conditioned spaces of 1.00L/s m^2) perfect for both air conditioned and non-air conditioned spaces.





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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

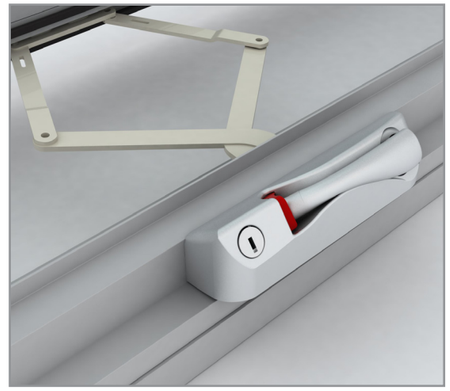
- Glazing options also available in bar layout styles:
  - Colonial
  - Federation
  - Ovolo glazing bar style*
- Wide range of powder coated colours.
- Easy to fit and remove flyscreens available.
- Customised WERS ratings.
- Variety of sizes and custom made options available (including bay window styles).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

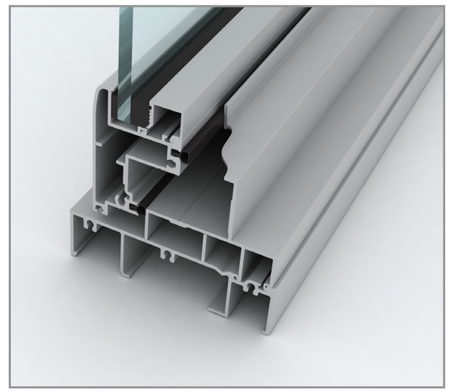
**Ovolo only available in single glazing..*

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.





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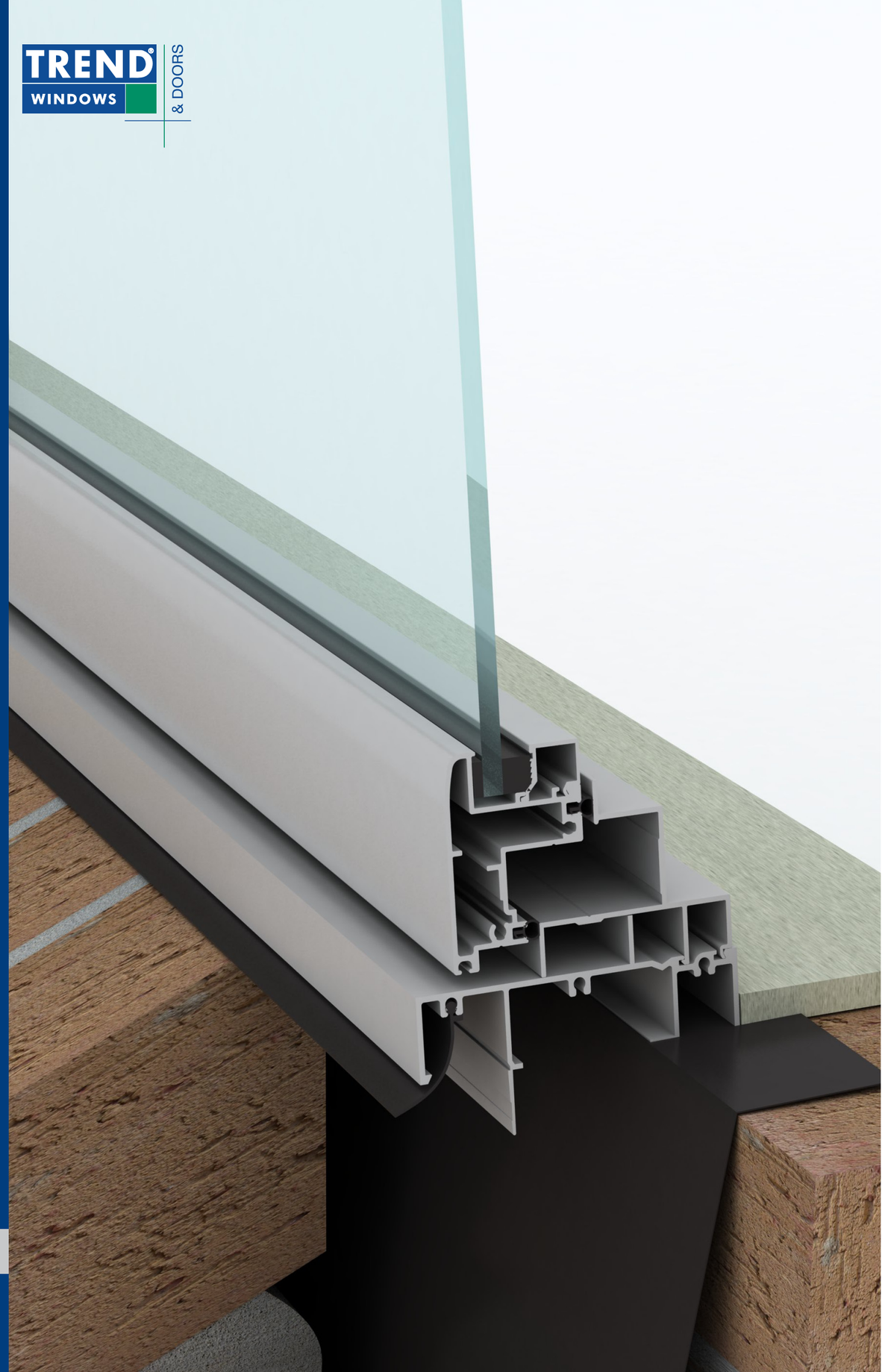

Quantum® Awning Window

Installation

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Awning Window - Installation

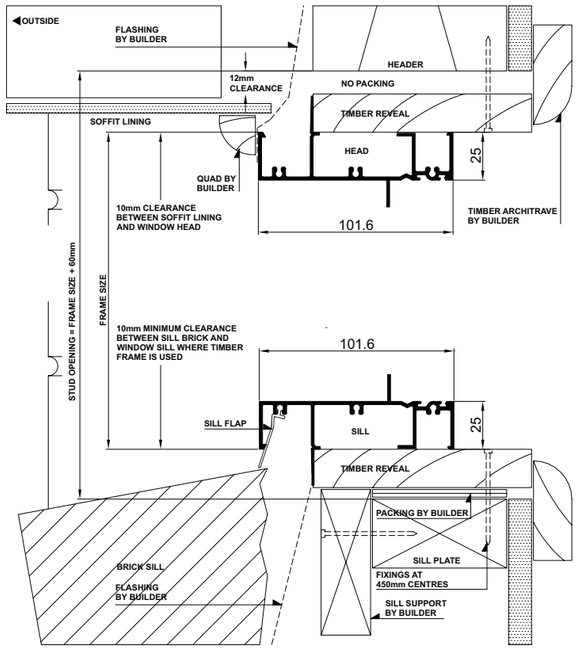
Building In Detail | **Brick Veneer - 240mm wall**

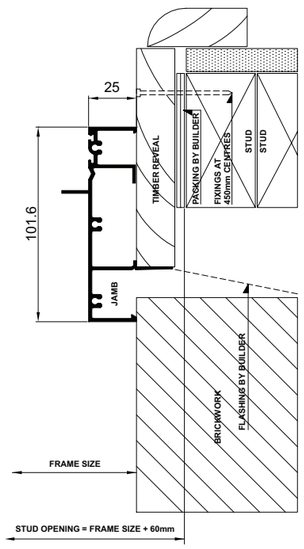
INSTALLING FRAME CORRECTLY

- 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).

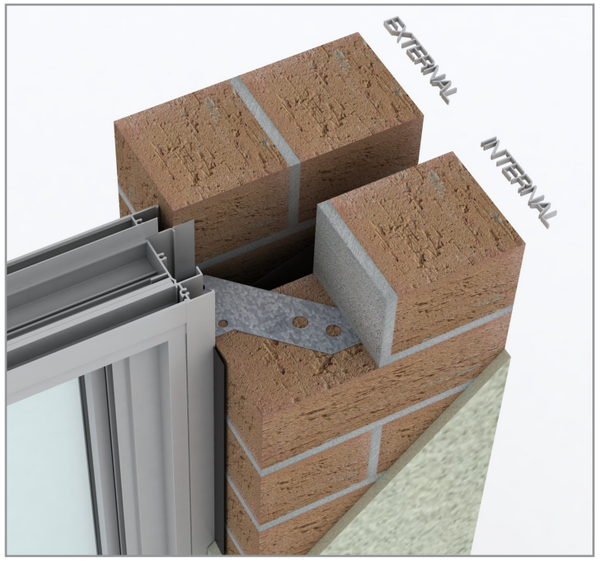




Please note that drawings displayed are not to scale

Awning Window - Installation

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

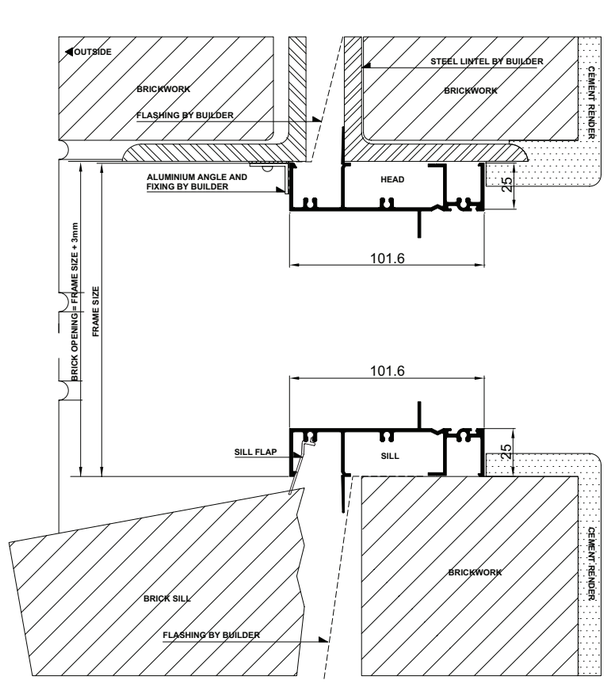


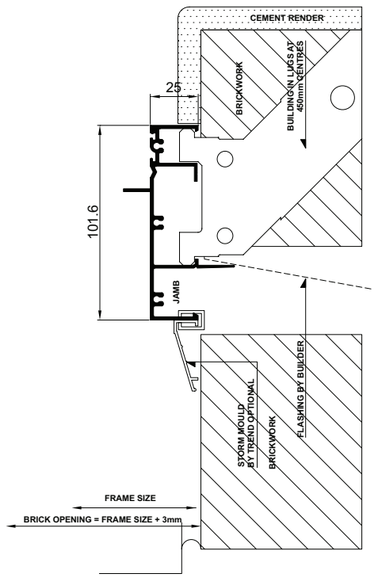
INSTALLING FRAME CORRECTLY

- 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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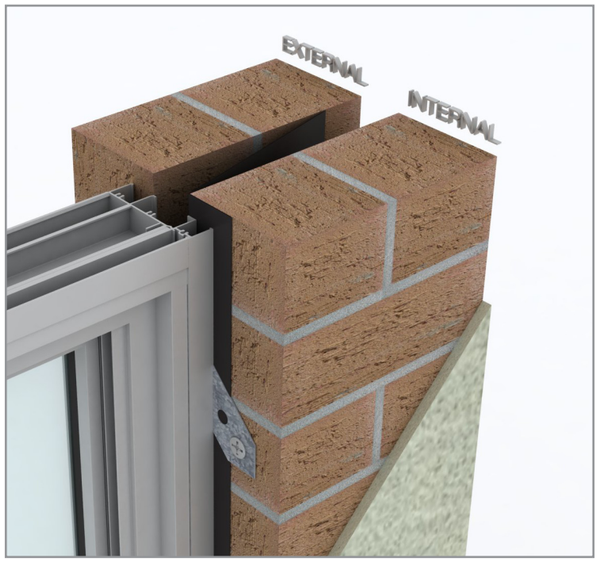
Awning Window - Installation

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

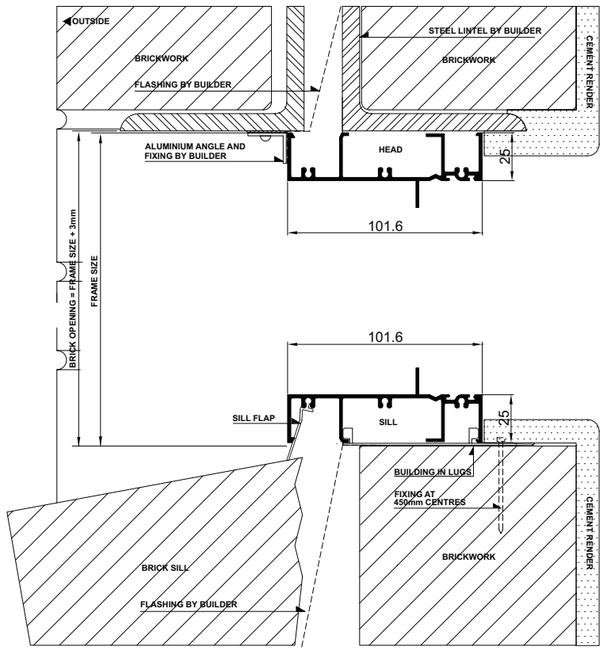


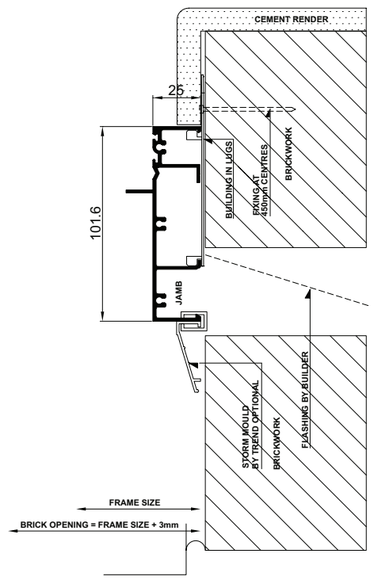
INSTALLING FRAME CORRECTLY

- 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.)**





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Awning Window - Installation

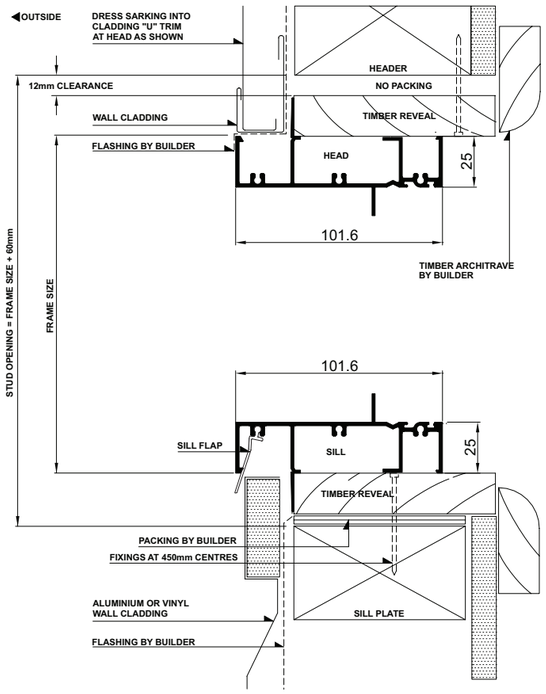
Building In Detail | **Cladding on Studs**

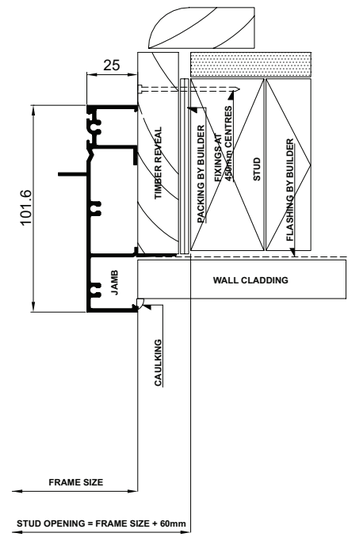
INSTALLING FRAME CORRECTLY

- 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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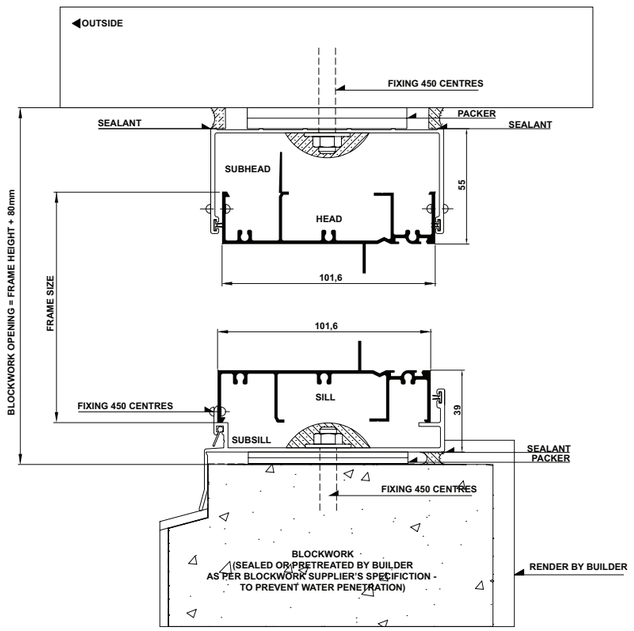
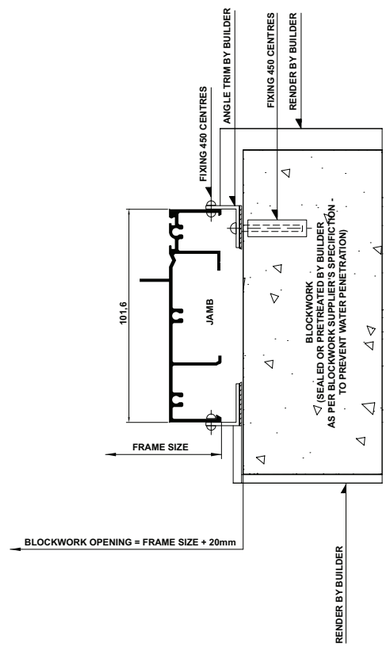
INSTALLING FRAME CORRECTLY

- 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.)**





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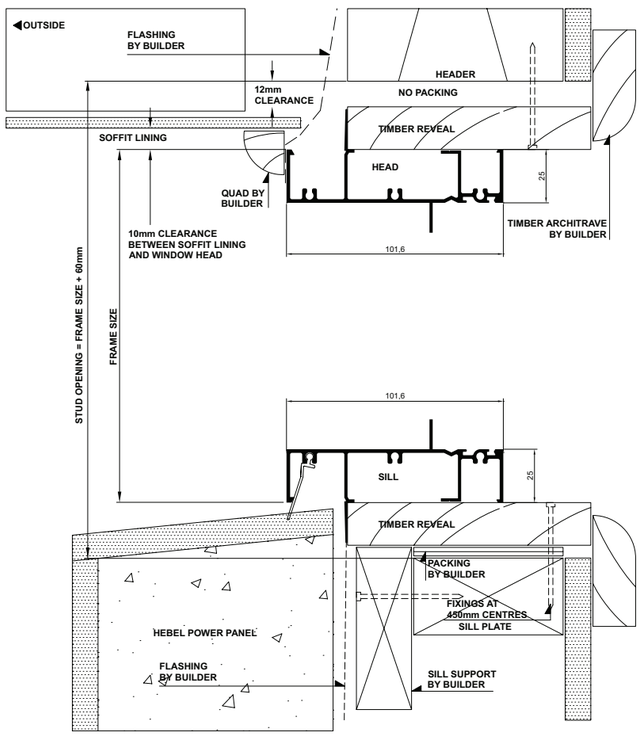
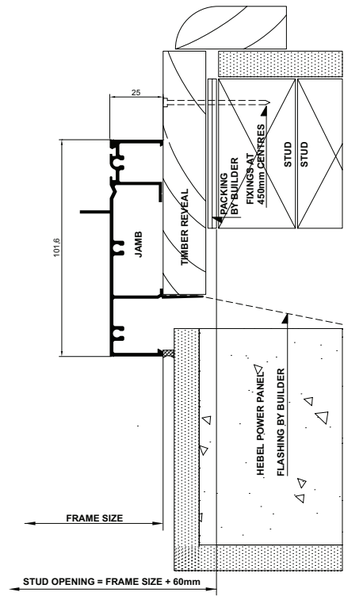
INSTALLING FRAME CORRECTLY

- 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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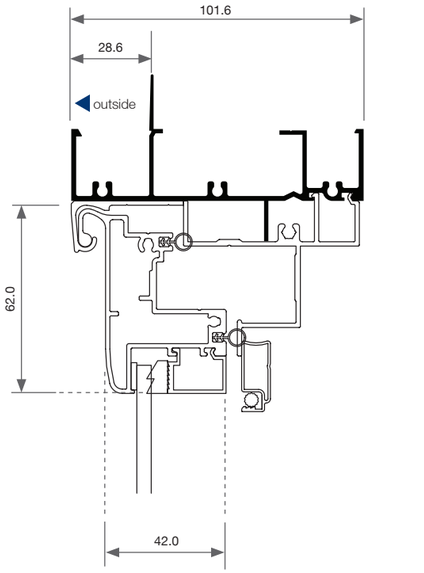
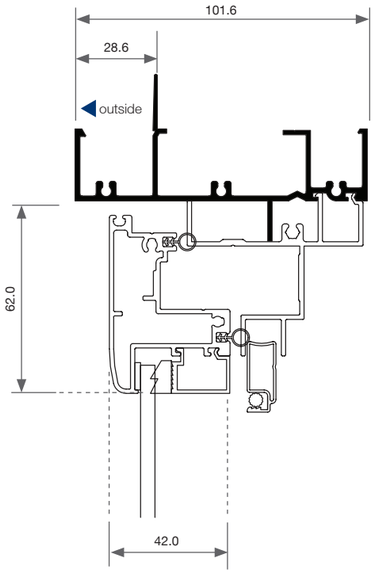
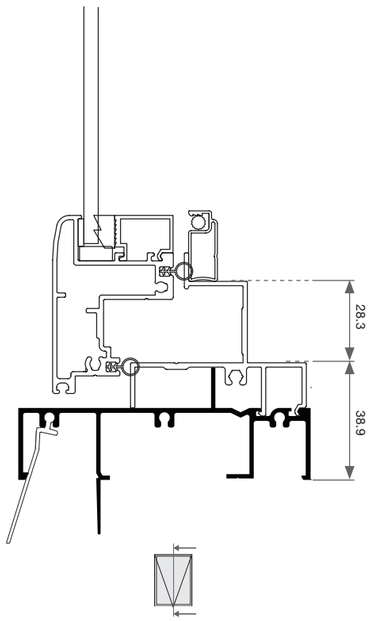
Quantum® Awning Window

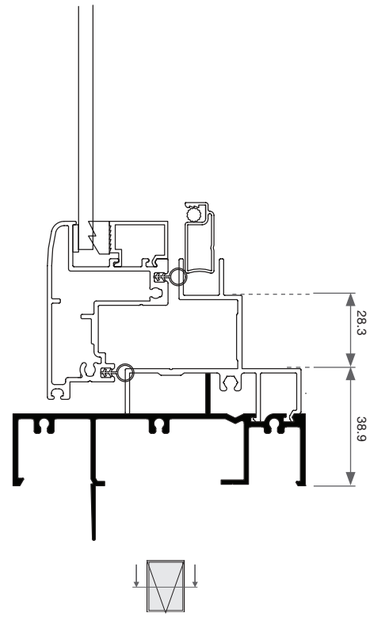
Cross Sectional Views

Single Lite









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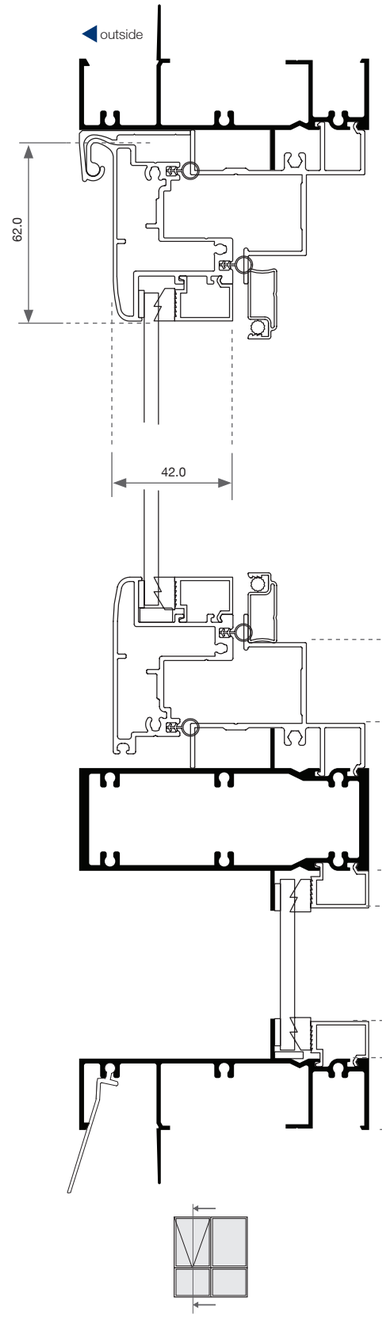
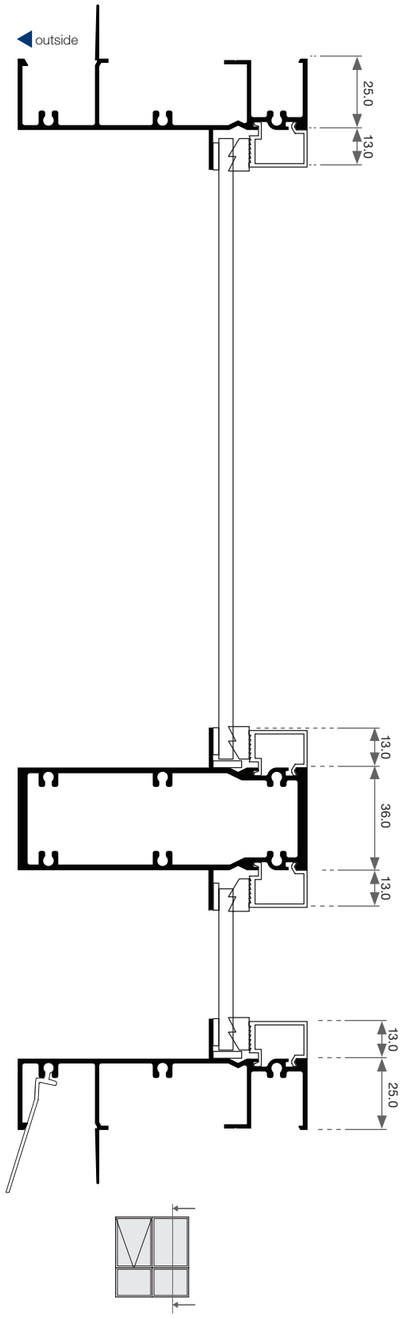
Awning Window - Cross Sectional View

Two Lite | Transom | Elevation





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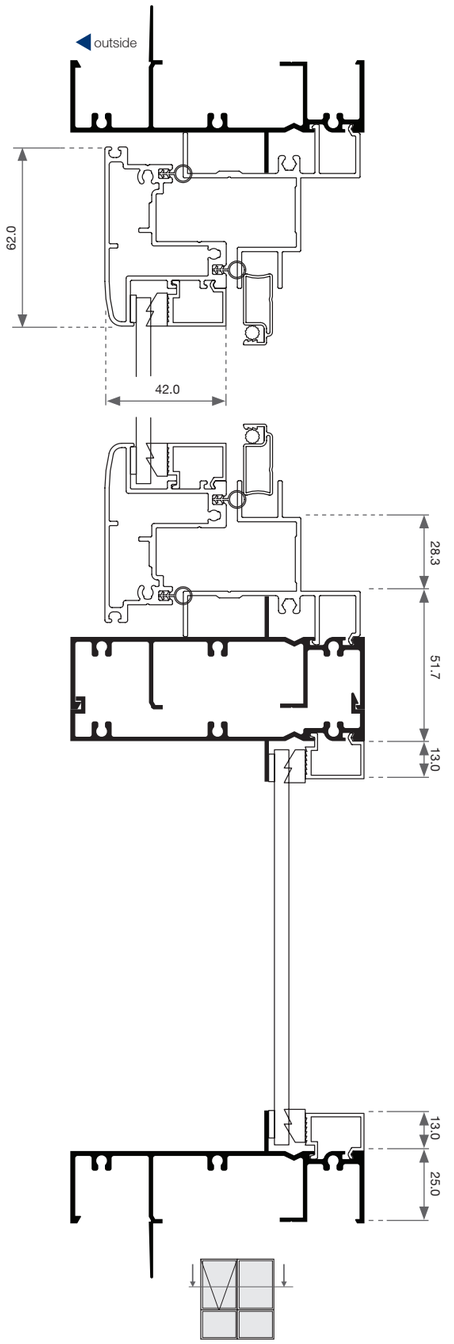
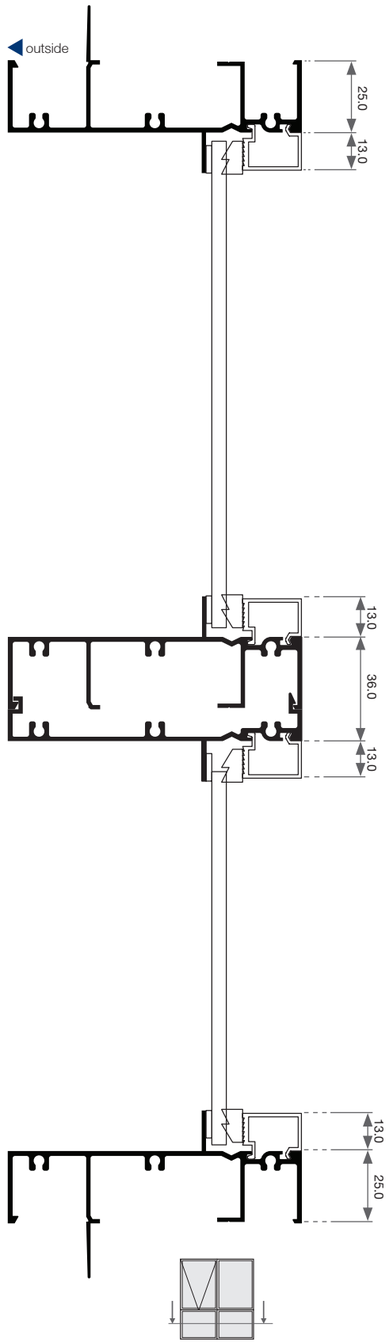
Two Lite | Transom | Plan





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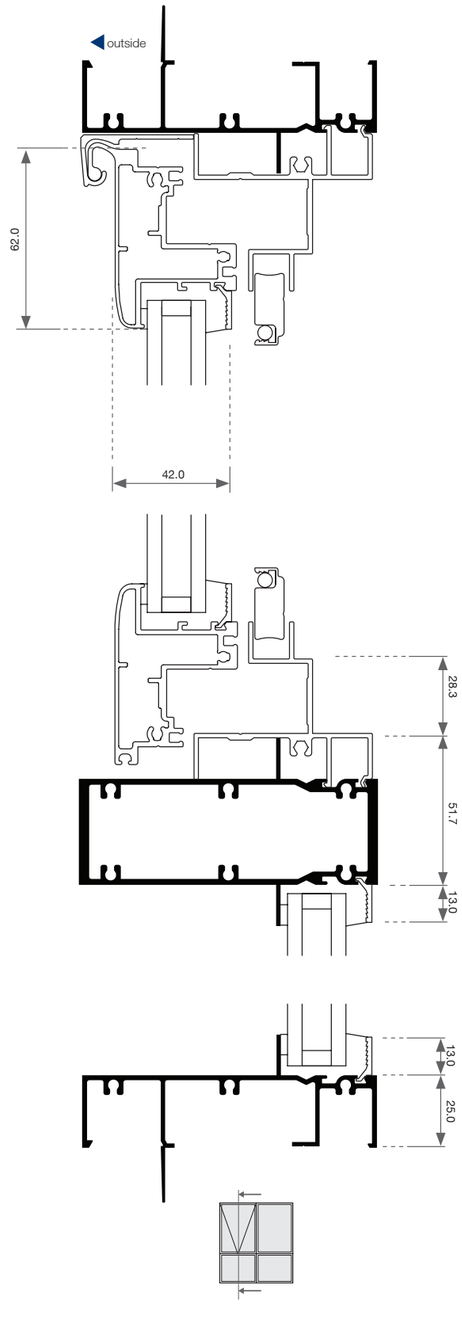
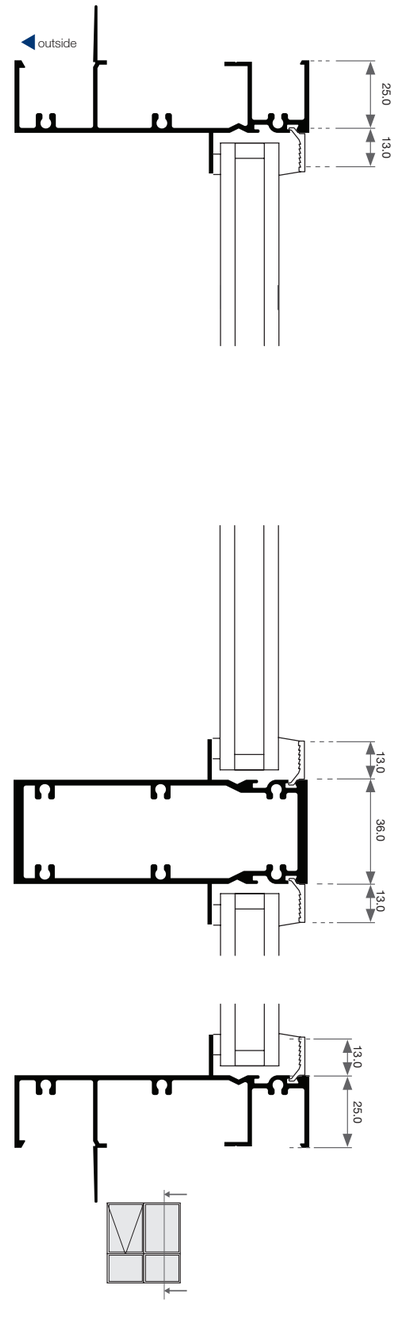
Awning Window - Cross Sectional View

Two Lite | Transom | Double Glazed





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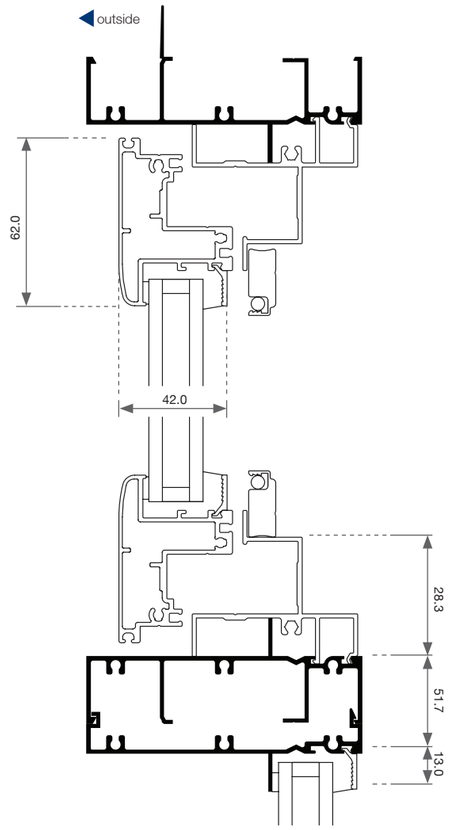
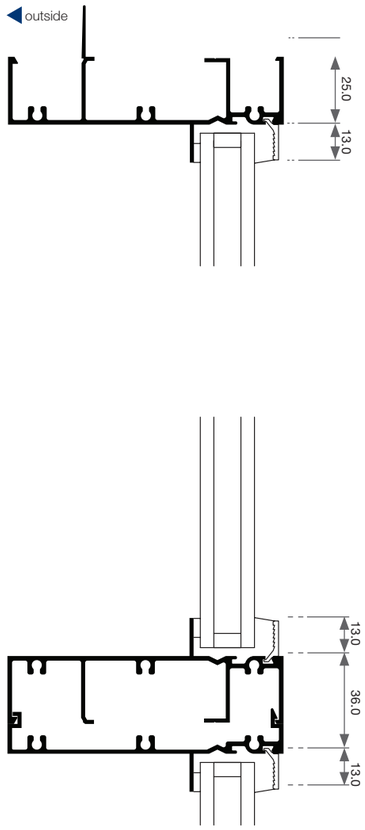
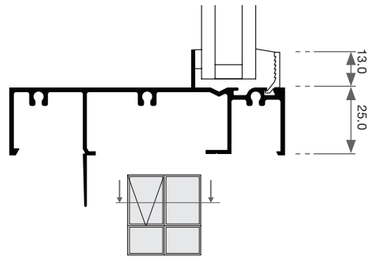
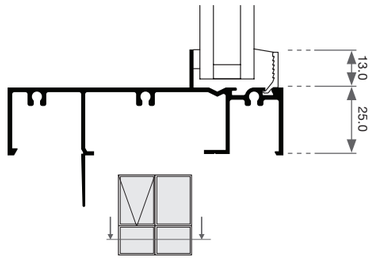
Awning Window - Cross Sectional View

Two Lite | Transom | Double Glazed





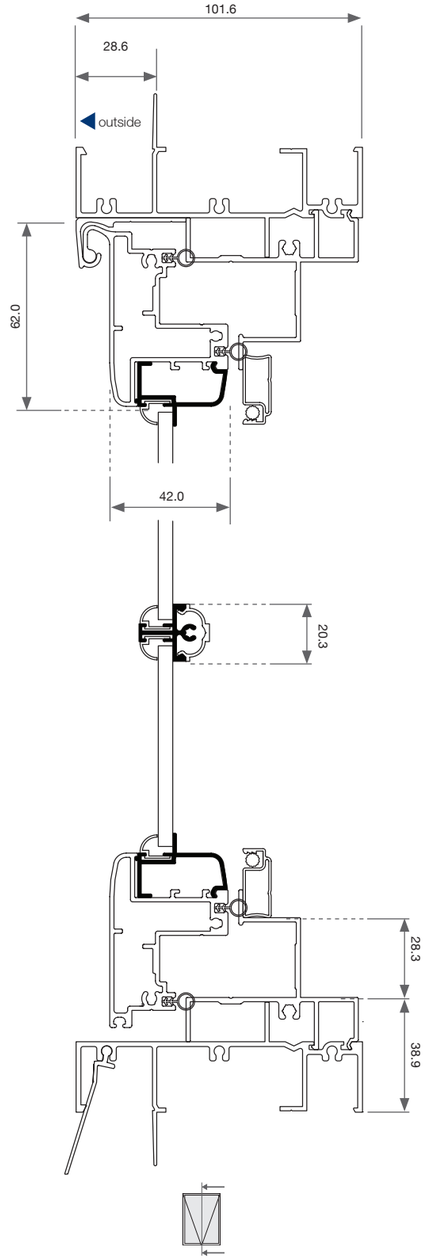


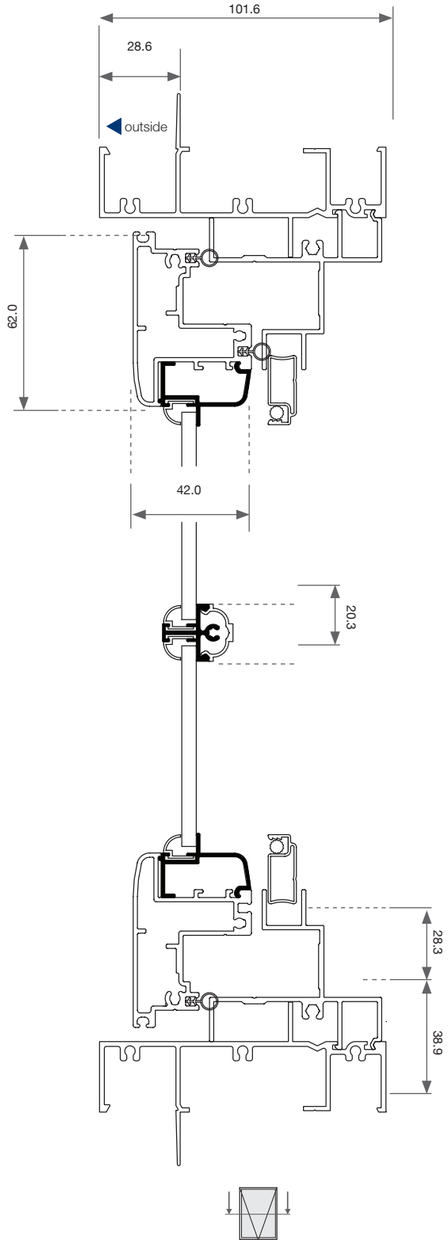


Please note that drawings displayed are not to scale

Awning Window - Cross Sectional View

Ovolo





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Quantum® Casement Window

Features & Benefits

FRAME

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

SASH

- 62mm wide window sash section.
- Head, sill and jamb rails all have flat infill for clean lines.
- Window design allows for 90° angle opening.

SILL

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

GLAZING & ENERGY EFFICIENCY

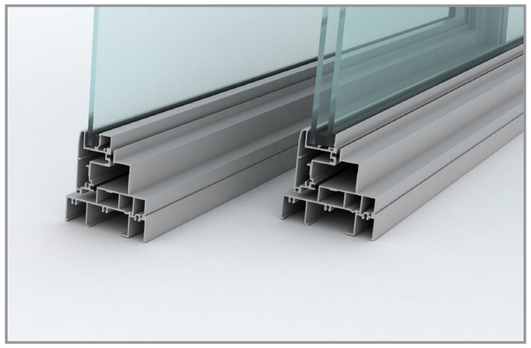
- All Trend® Windows and Doors comply with Australian Standards AS1288.
- Glazing options from 4mm single glazed to 24mm insulated glazed units (IGUs).
- Energy efficiency options available to help reduce home energy consumption.
- All glazing options are Window Energy Rating Scheme (WERS) rated - providing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

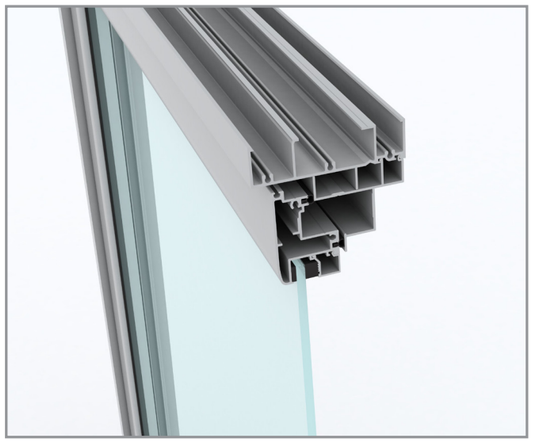
ACOUSTICS

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

WIND & WATER RATINGS

- All Trend® Windows and Doors are designed to meet and surpass 700Pa wind velocity rating and 150Pa water penetration rating and comply with Australian Standards AS2047.
- Pascal deflection rates up to 2200Pa.
- Casement window rated at an air infiltration of 0.16L/s m^2 (below the the National Construction Code (NCC) for Air conditioned spaces of 1.00L/s m^2) perfect for both air conditioned and non-air conditioned spaces.





Please note that drawings displayed are not to scale

Casement Window - Features & Benefits

SECURITY

- High performance key lockable dual arm winder for security.
- 100mm child-safe window opening restrictor 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 casement windows.
- Optional colours available:
  - Pearl White
  - Stone Beige
  - Anodic Natural Matt
  - Gloss Black
- Side latch handle operates by a 180° rotation from the open to close position, concealed within the window frame.
- Window locks can be keyed alike to other Quantum® products for ease.

OPTIONS

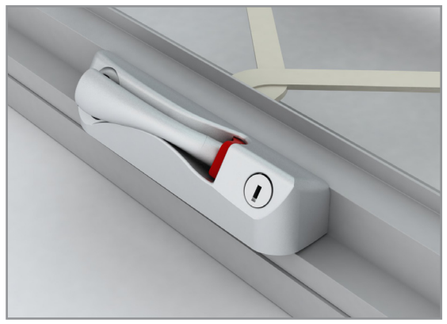
- Glazing options also available in bar layout styles:
  - Colonial
  - Federation
  - Ovolo glazing bar style*
- Wide range of powder coating colours.
- Easy to fit and remove flyscreens available
- Customised WERS ratings.
- Variety of sizes and custom made options available (including Bay window styles).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

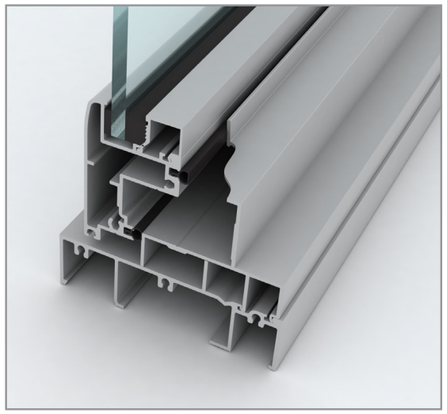
**Ovolo only available in single glazing.*

DELIVERY

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

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





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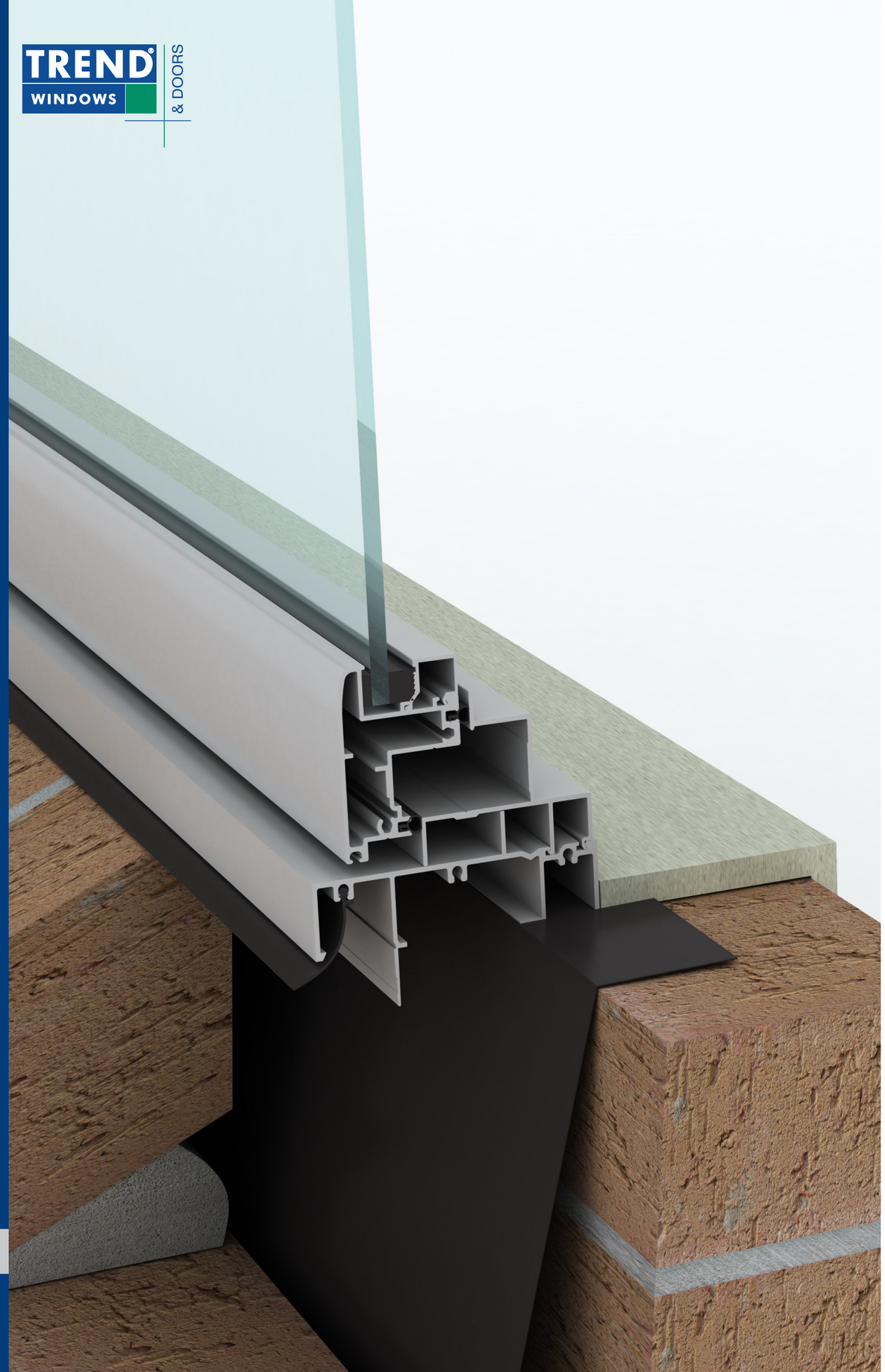


Quantum® Casement Window

Installation

Casement Window - Installation

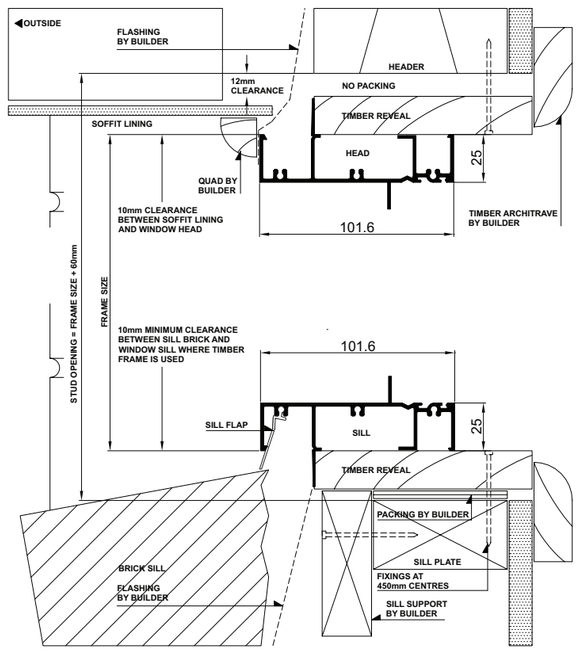
Building In Detail | **Brick Veneer - 240mm wall**

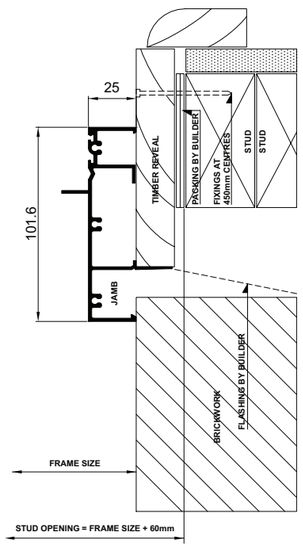
INSTALLING FRAME CORRECTLY

- 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).

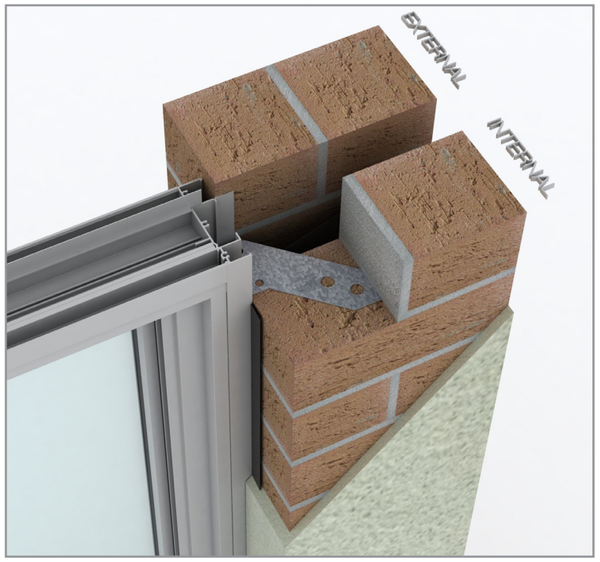




Please note that drawings displayed are not to scale

Casement Window - Installation

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

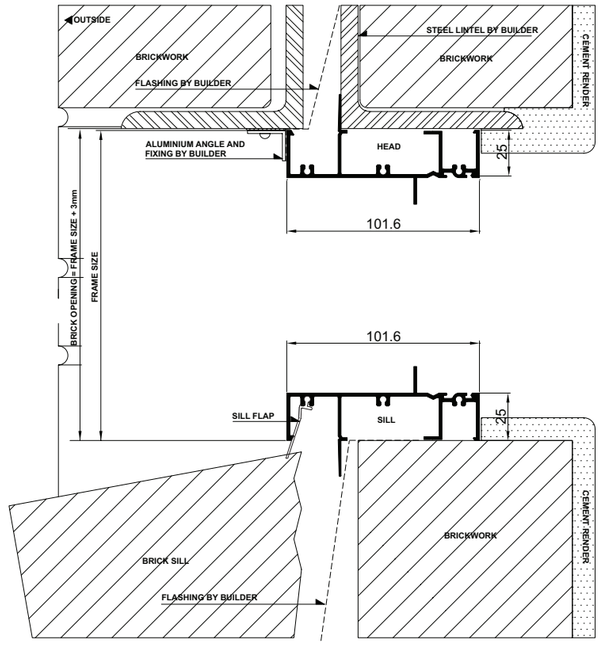


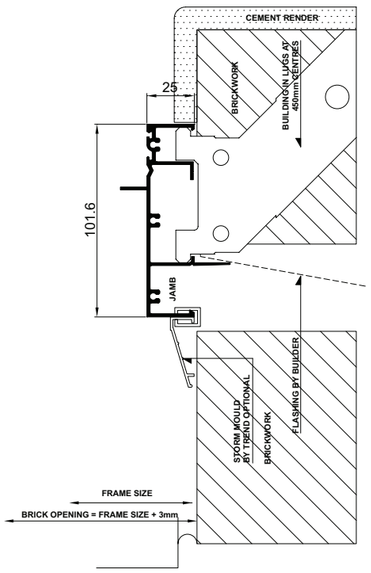
INSTALLING FRAME CORRECTLY

- 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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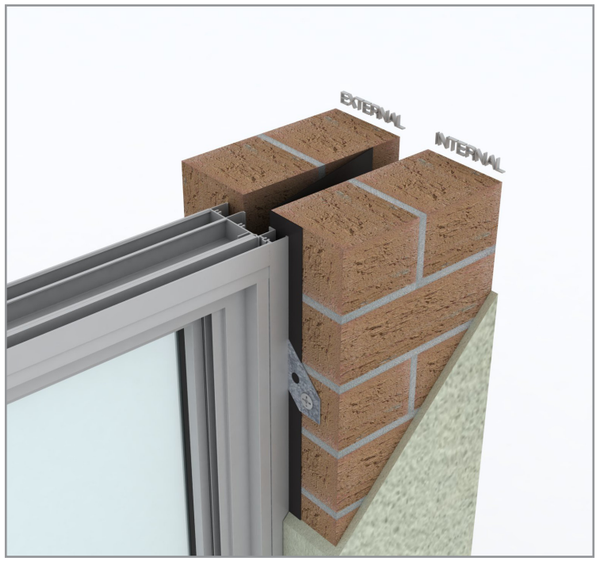
Casement Window - Installation

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

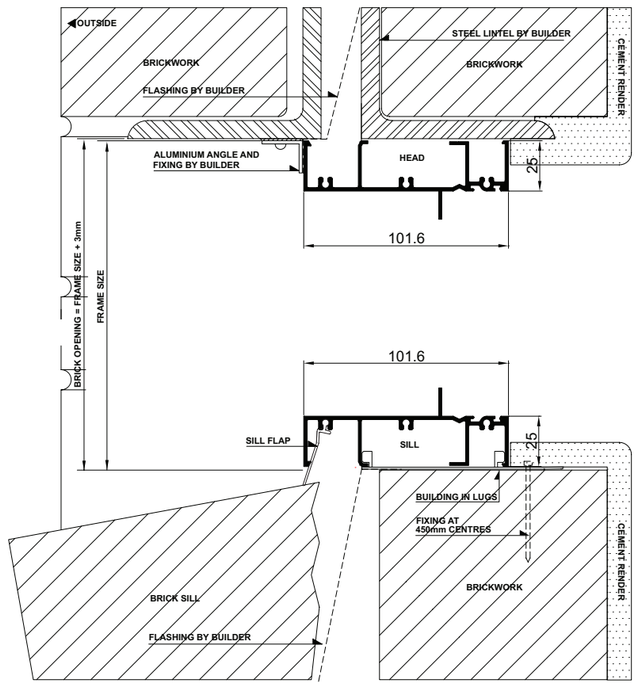


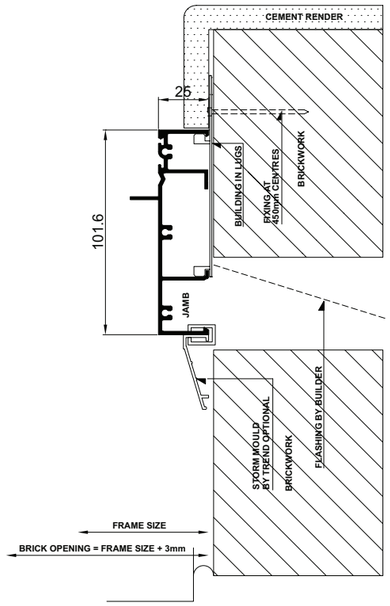
INSTALLING FRAME CORRECTLY

- 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.)**





Please note that drawings displayed are not to scale

Casement Window - Installation

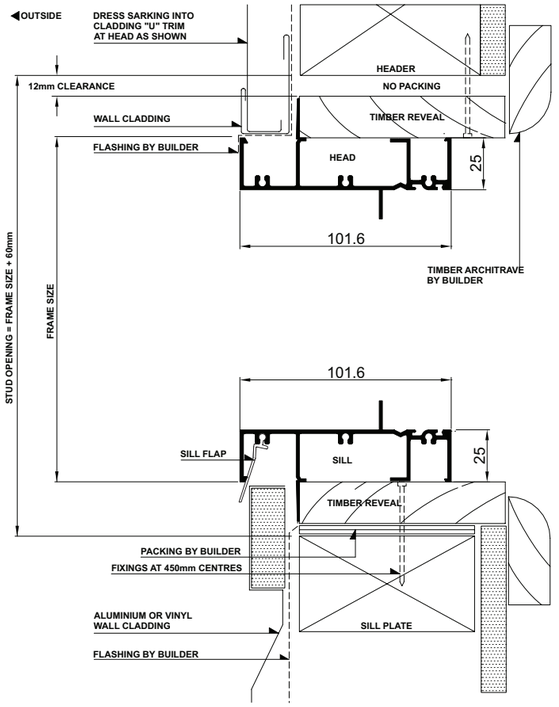
Building In Detail | **Aluminium Cladding on Studs**

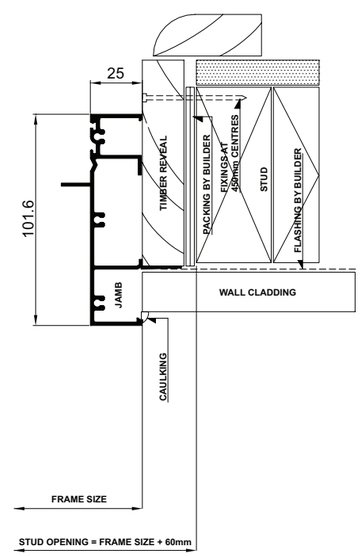
INSTALLING FRAME CORRECTLY

- 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.)**
- To ensure the satisfactory long term performance of windows, install sill support (refer to drawings below).





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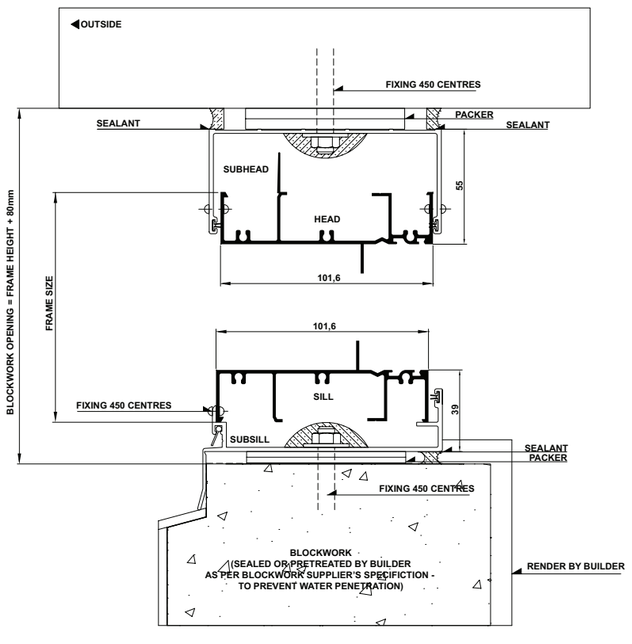
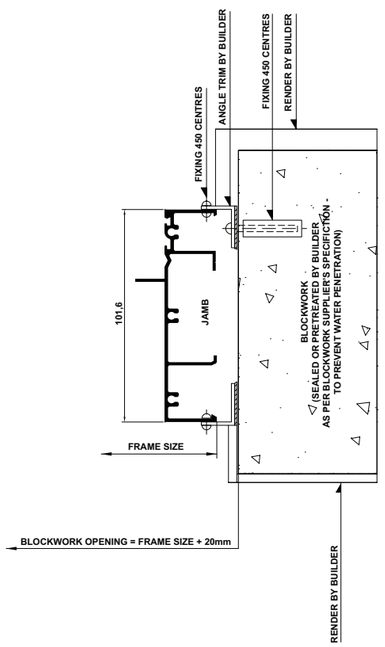
INSTALLING FRAME CORRECTLY

- 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.)**





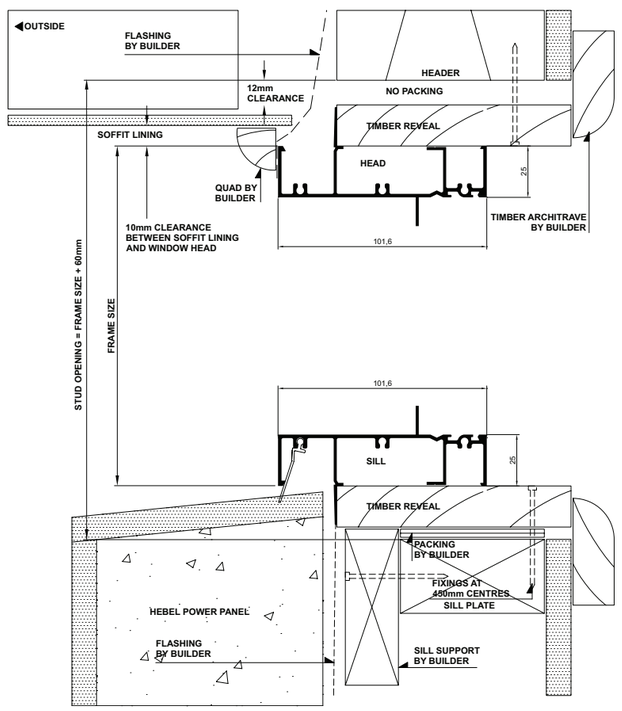
Please note that drawings displayed are not to scale

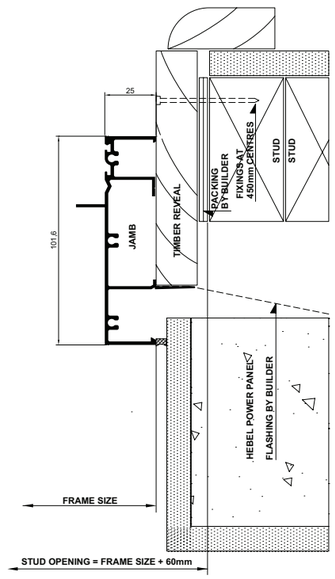
INSTALLING FRAME CORRECTLY

- 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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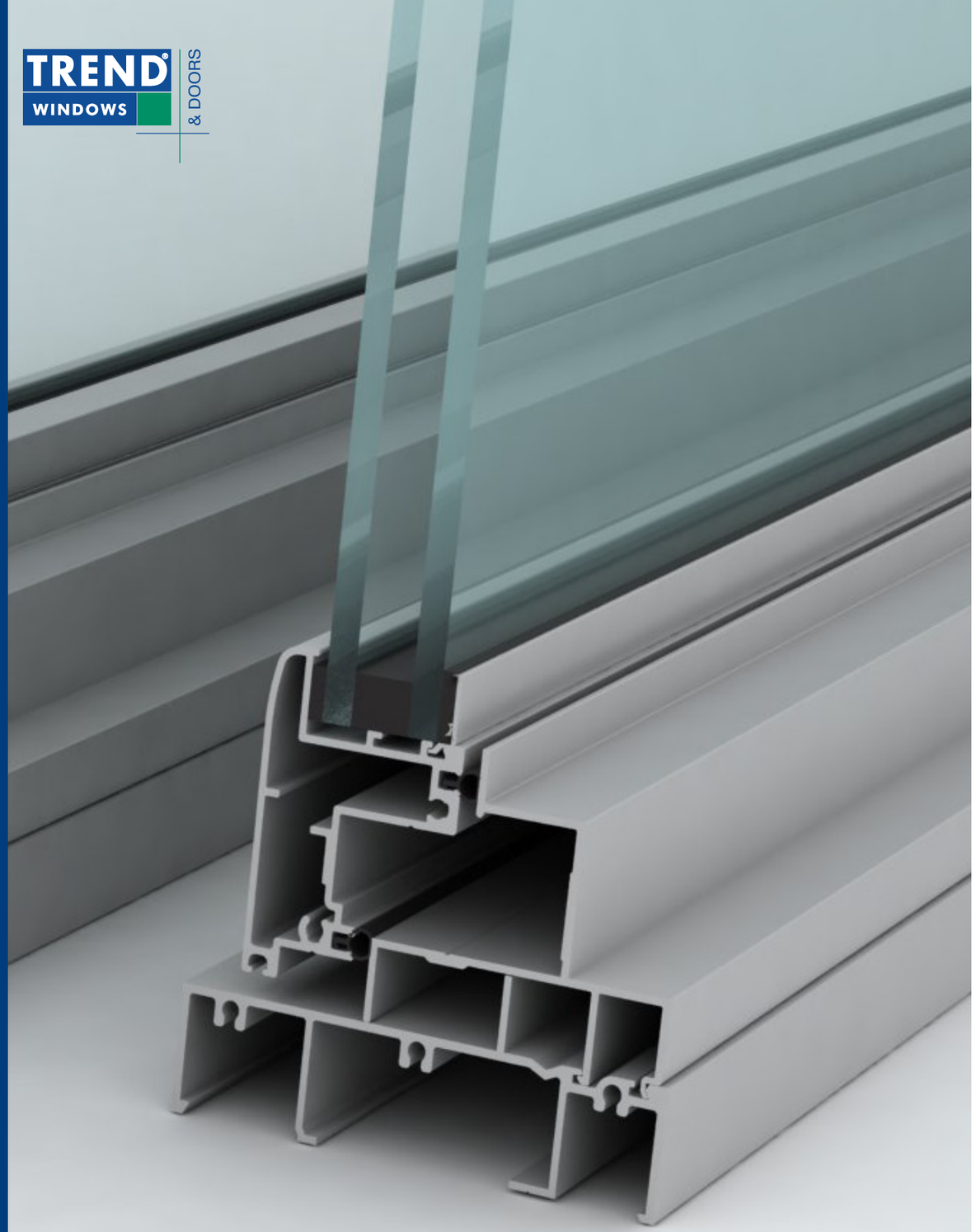
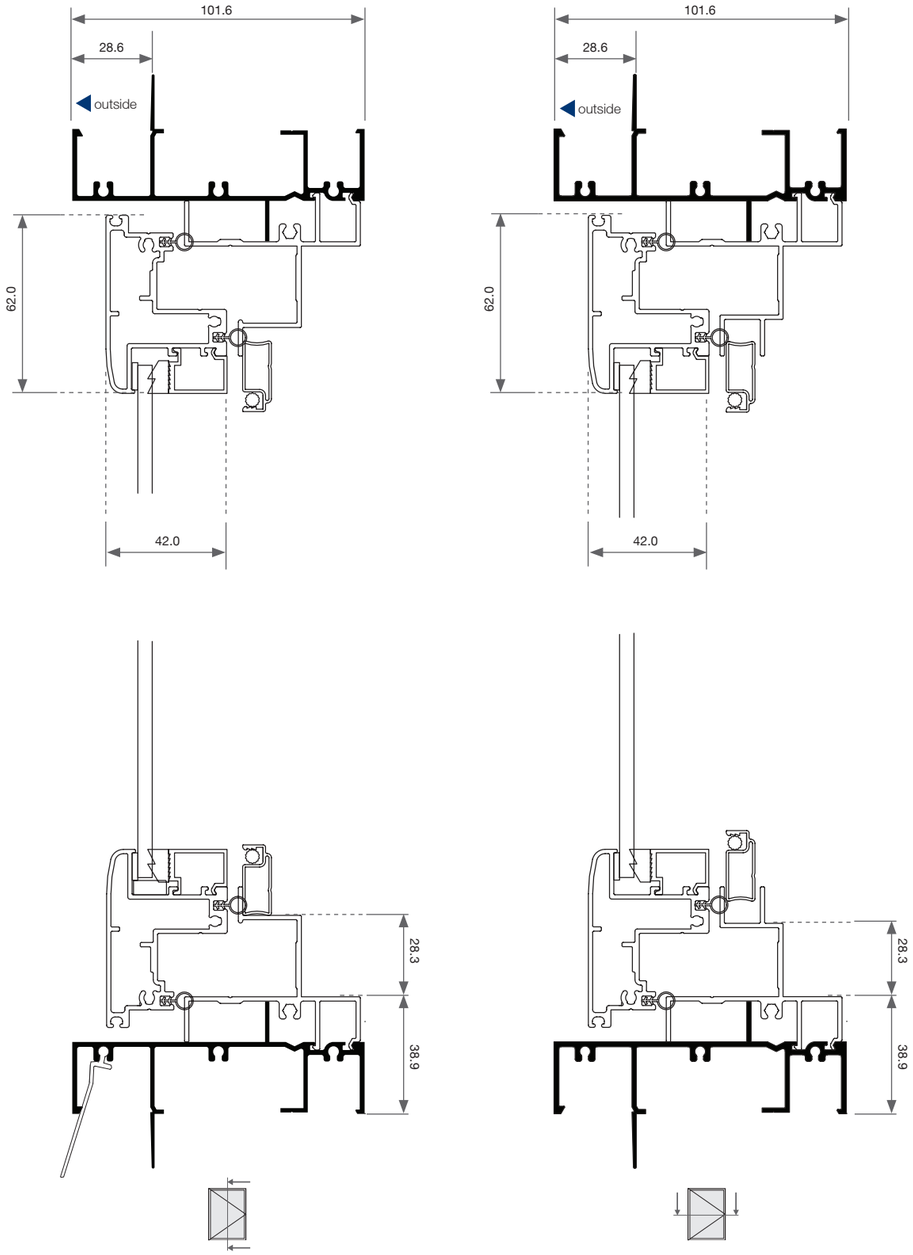


Quantum® Casement Window

Cross Sectional Views

Casement Window - Cross Sectional View

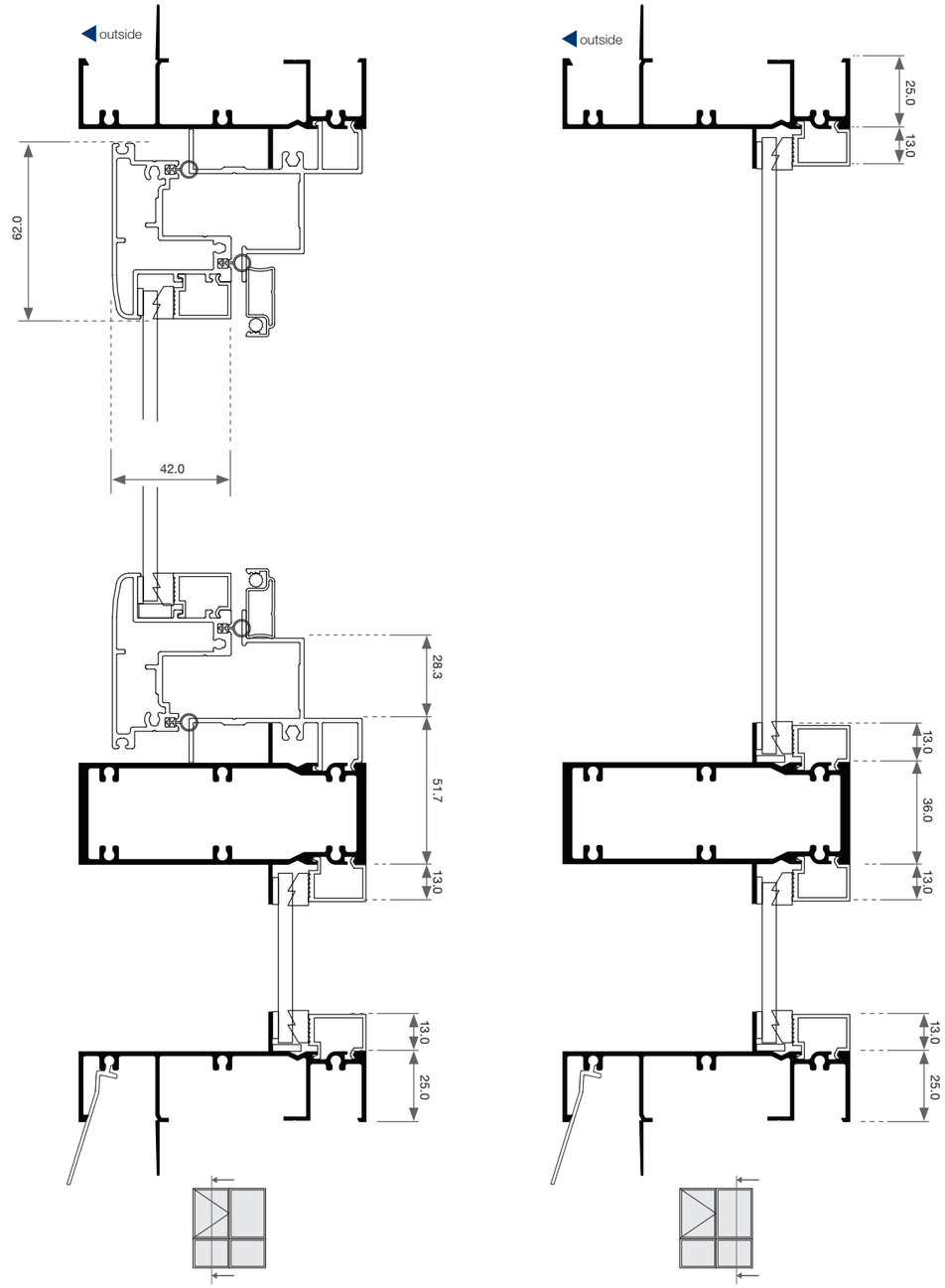
Single Lite



Please note that drawings displayed are not to scale

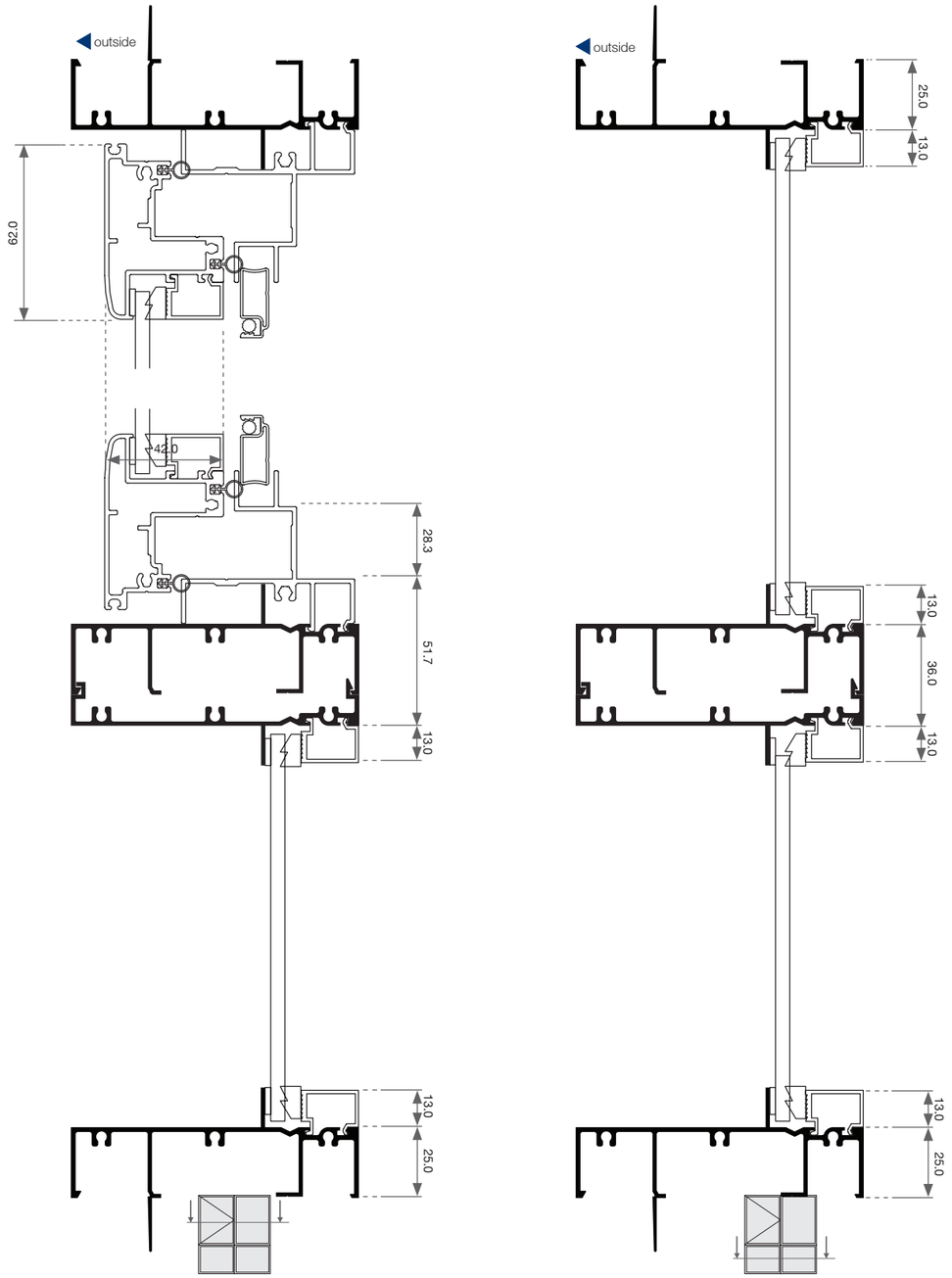
Casement Window - Cross Sectional View

Two Lite | Transom | Elevation



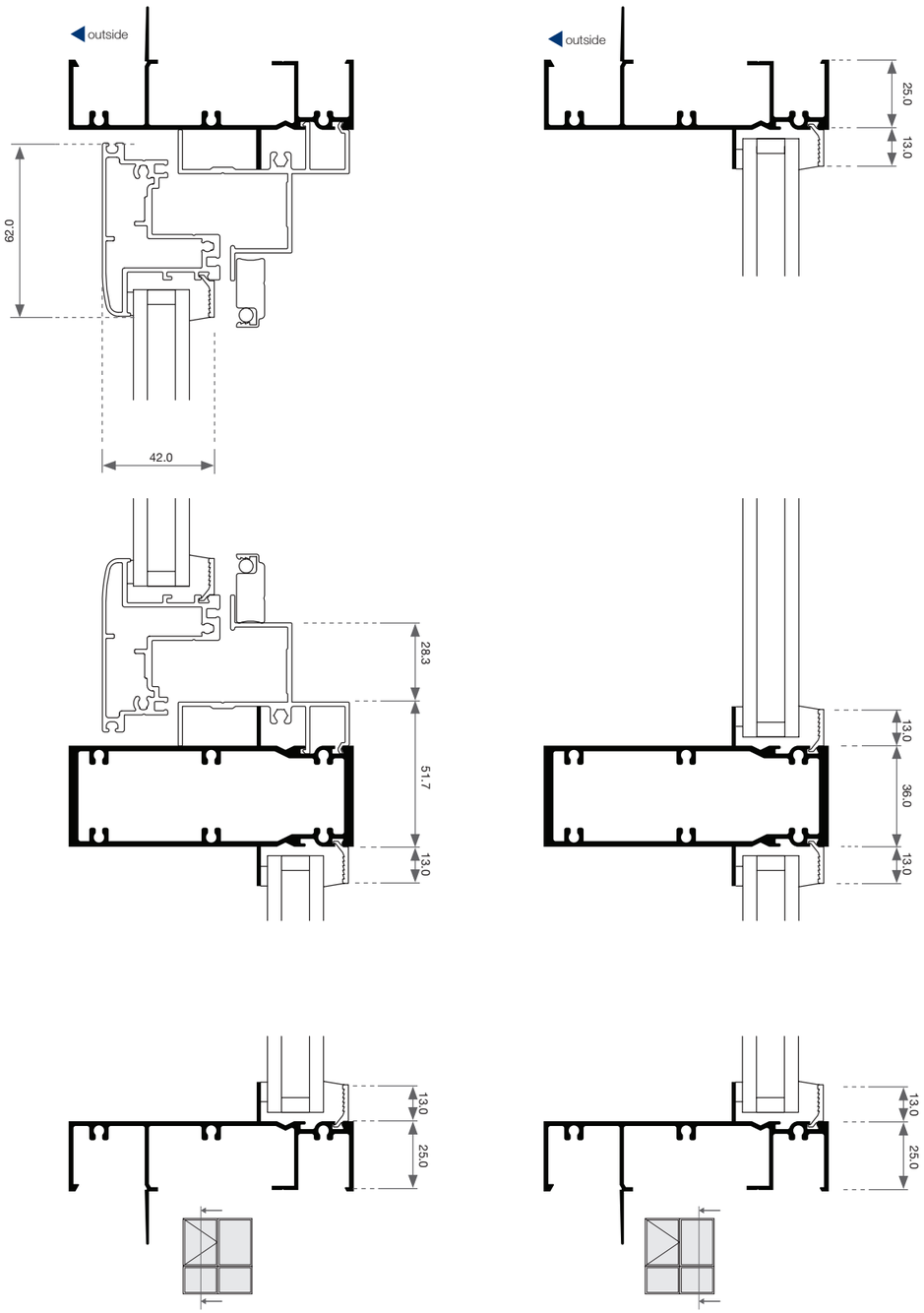
Please note that drawings displayed are not to scale

Two Lite | Transom | Plan



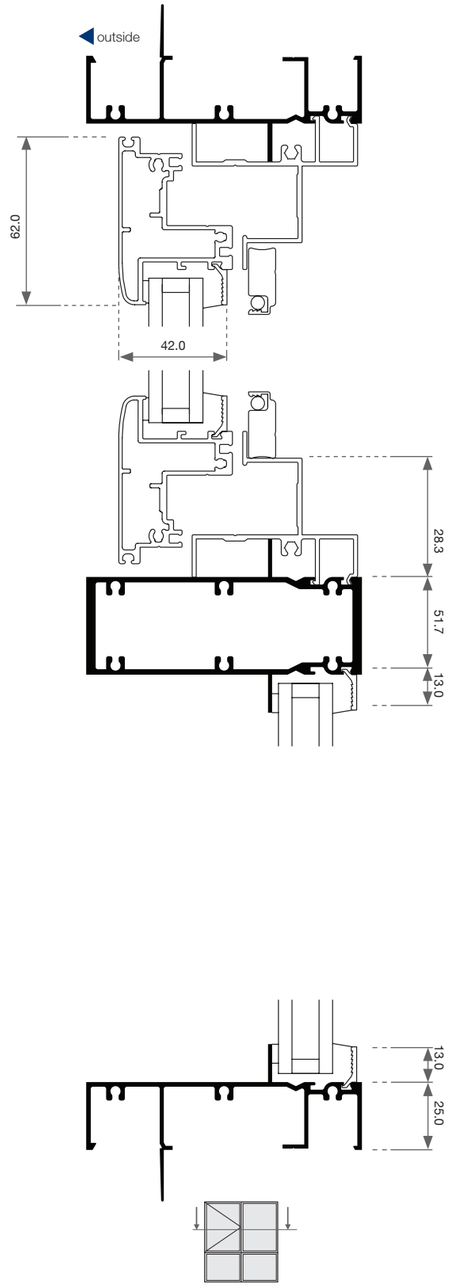
Please note that drawings displayed are not to scale

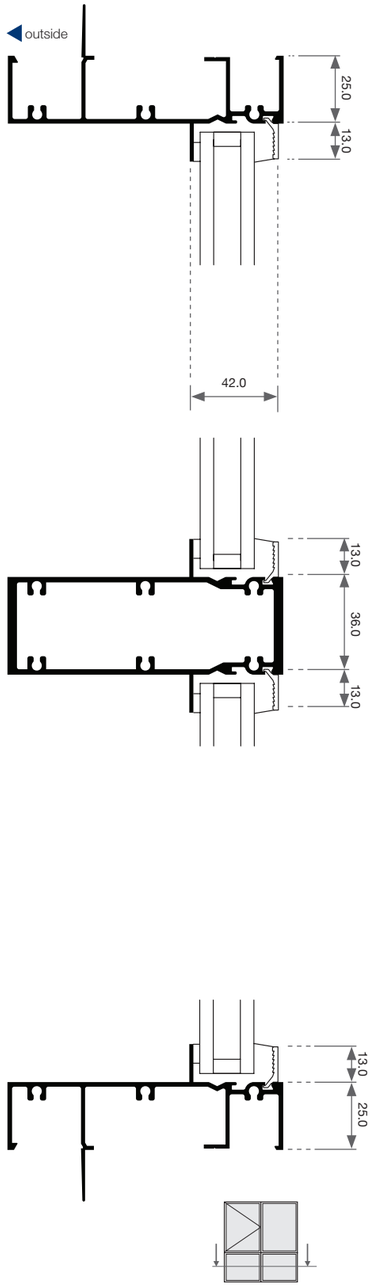
Two Lite | Transom | Double Glazed | Elevation



Please note that drawings displayed are not to scale

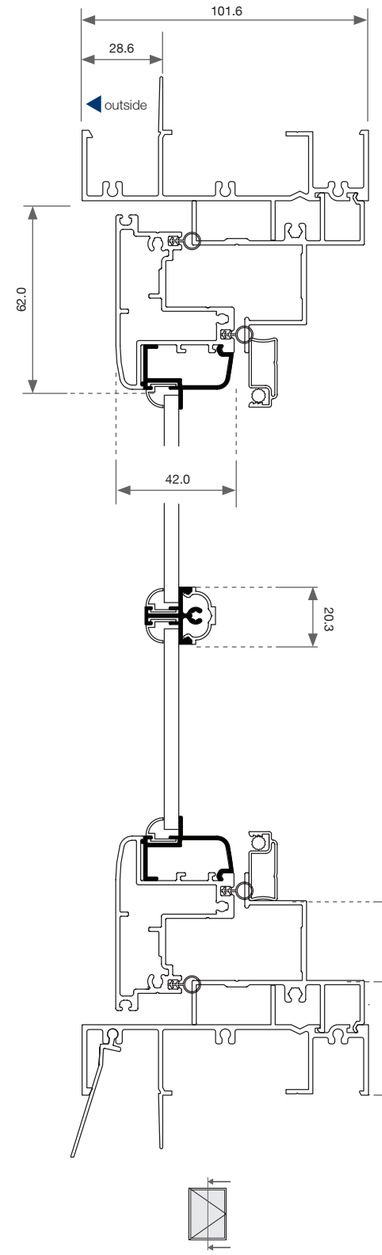
Two Lite | Transom | Double Glazed | Plan

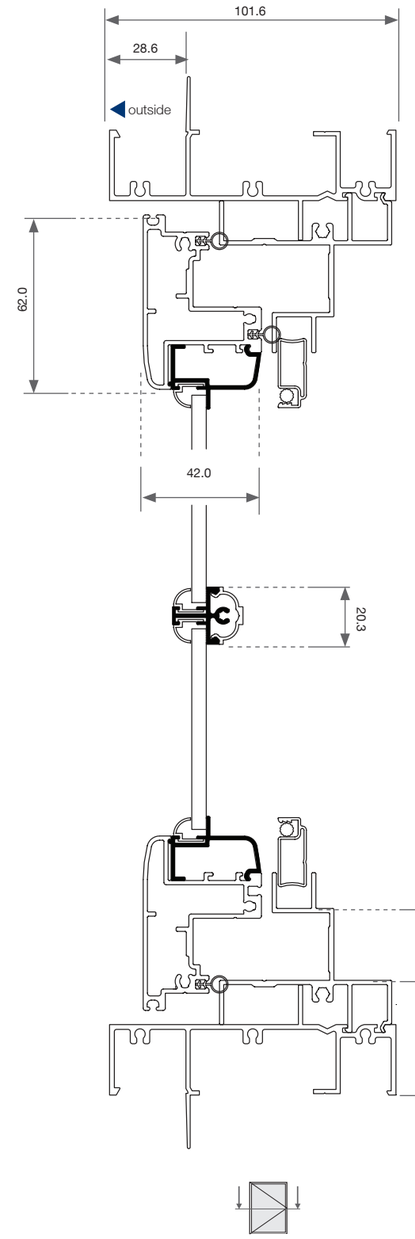




Please note that drawings displayed are not to scale

Ovolo





Please note that drawings displayed are not to scale

Quantum® Sliding Window

Features & Benefits

FRAME

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

SASH

- 55mm sash stile slides effortlessly on heavy duty double bogey rollers.
- Head, sill and jamb rails all have flat infill for clean lines.
- Sashes can be reversed*.
- Operating sashes can easily be removable for cleaning and maintenance.
- Sash punched holes are fitted with infill caps.

**Only on two lite configurations; Striker holes in jamb will be visible.*

SILL

- Modern sill design with built-in sump sill and no insect traps for easy maintenance and cleaning.
- Sill track includes a rigid infill - helping eliminate paint wear in the track.

GLAZING & ENERGY EFFICIENCY

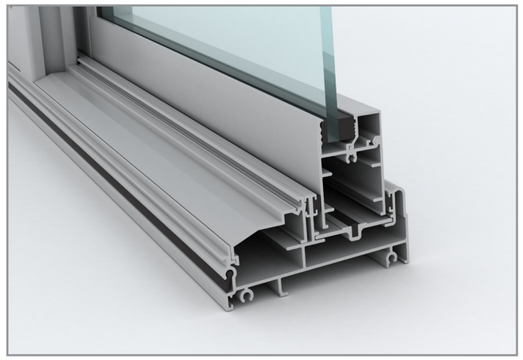
- All Trend® Windows and Doors comply with Australian Standards AS1288.
- Glazing options from 4mm single glazed to 24mm insulated glazed units (IGUs) .
- Energy efficiency options available to help reduce home energy consumption.
- All glazing options are Window Energy Rating Scheme (WERS) rated - providing 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 are designed to meet and surpass 700Pa wind velocity rating and 150Pa water penetration rating and comply with Australian Standards AS2047.
- Pascal deflection rates up to 2200Pa.
- Sliding window rated at an air infiltration of 0.84L/s m^2 (below the the National Construction Code (NCC) for Air conditioned spaces of 1.00L/s m^2) perfect for both air conditioned and non-air conditioned spaces.



Please note that drawings displayed are not to scale

Sliding Window - Features & Benefits

SECURITY

- Sliding windows come standard with patented and architecturally designed Quantum® key lock.
- 100mm child-safe window opening restrictor is available.
- Optional concealed intergrated vent-lock available - allowing secure partial opening for ventilation.
- 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

- ***Infinity*** Satin Chrome hardware with key lock comes standard on sliding windows.
- Optional colours are available:
  - Pearl White
  - Stone Beige
  - Anodic Natural Matt
  - Gloss Black
- Heavy duty dual roller system
- Window locks can be keyed alike to other Quantum® products for ease of use.

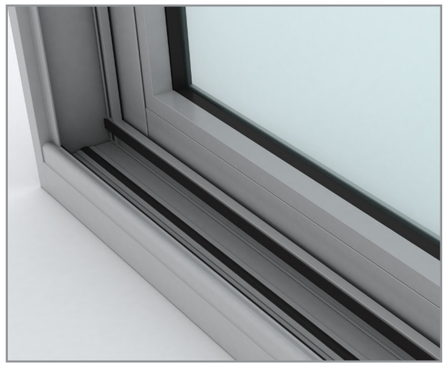
OPTIONS

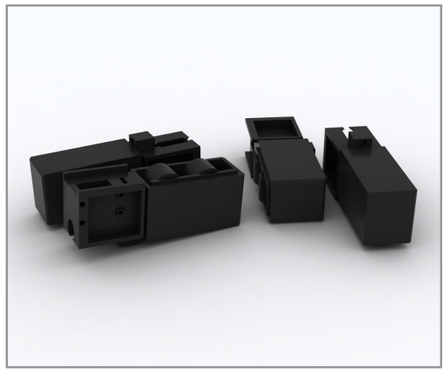
- Glazing options also available in bar layout styles:
  - Colonial
  - Federation
  - Ovolo glazing bar style*
- Wide range of powder coated colours.
- Easy to fit and remove flyscreens available.
- Customised WERS ratings.
- Variety of sizes and custom made options available (including bay window styles).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

**Ovolo only available in single glazing.*

DELIVERY

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





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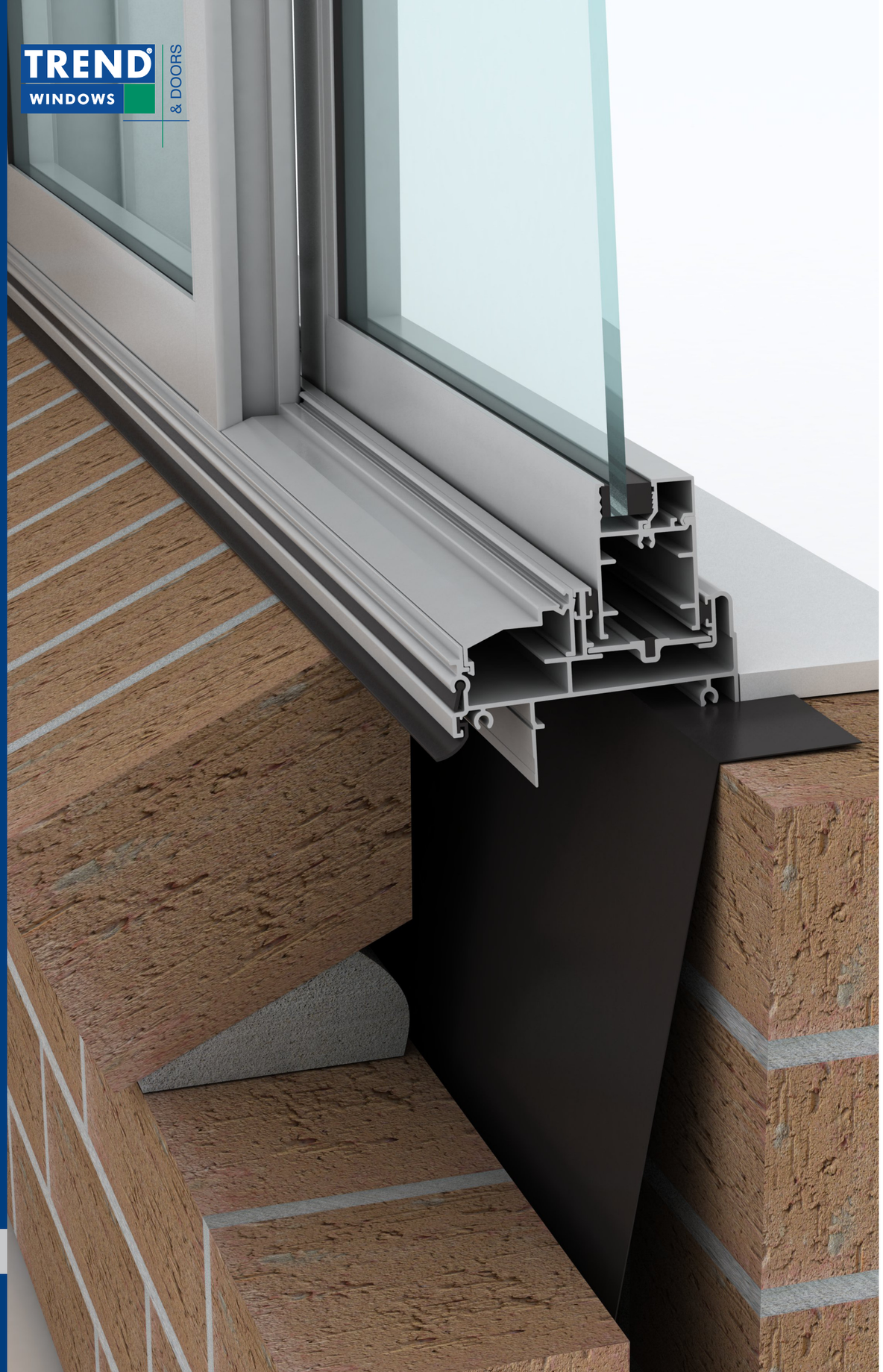


Quantum®

Quantum® Sliding Window

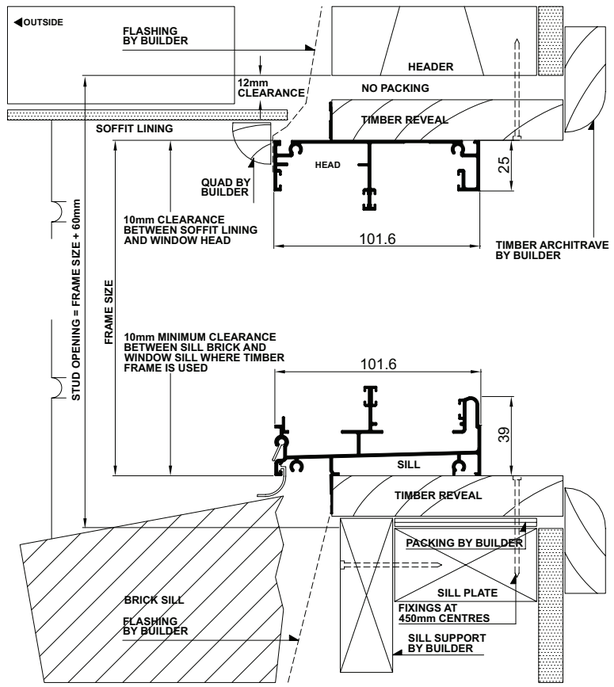
Installation

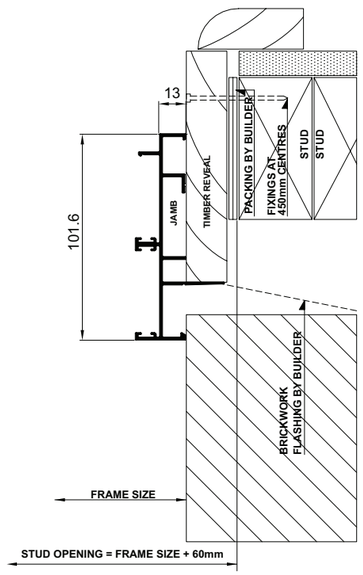
INSTALLING FRAME CORRECTLY

- 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).





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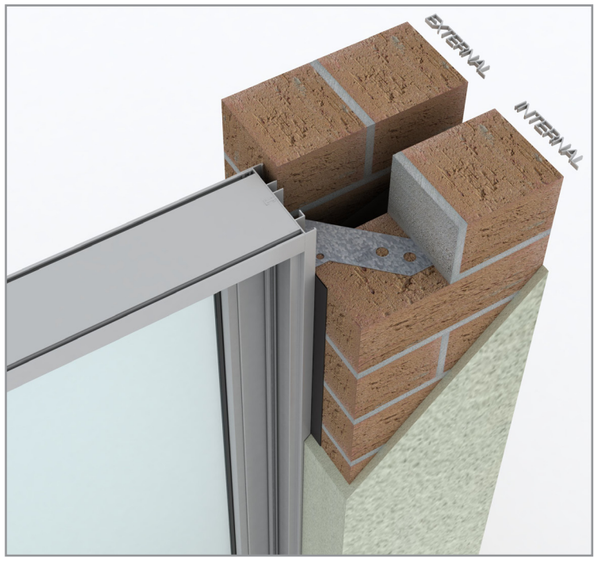
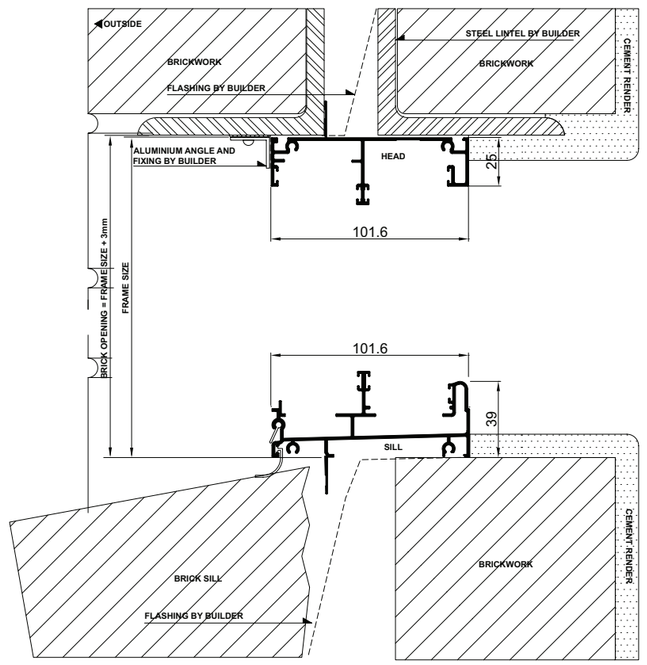


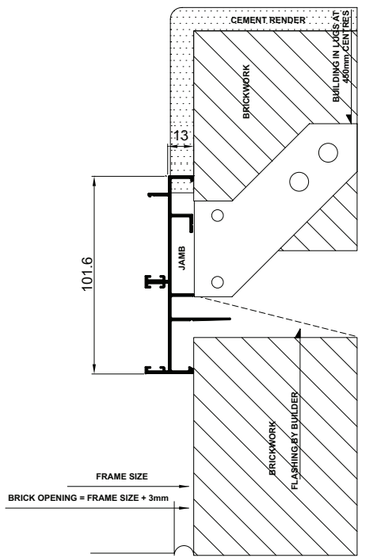
INSTALLING FRAME CORRECTLY

- 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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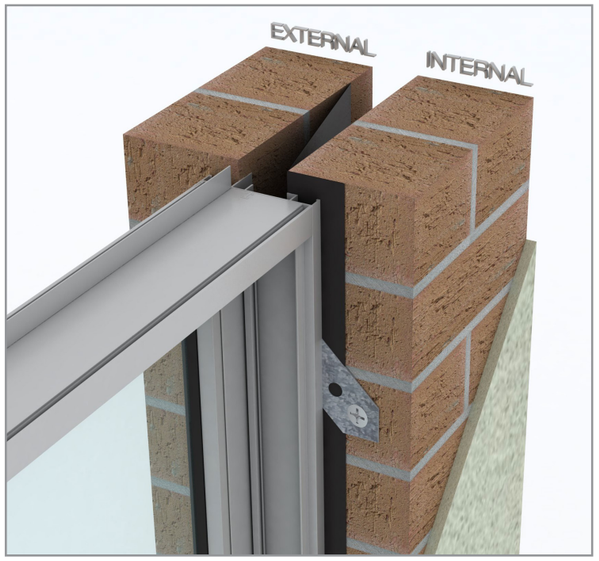
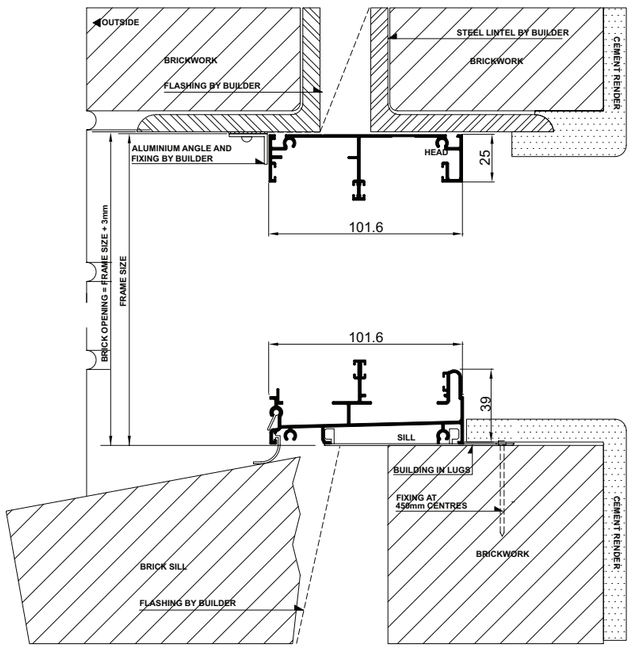


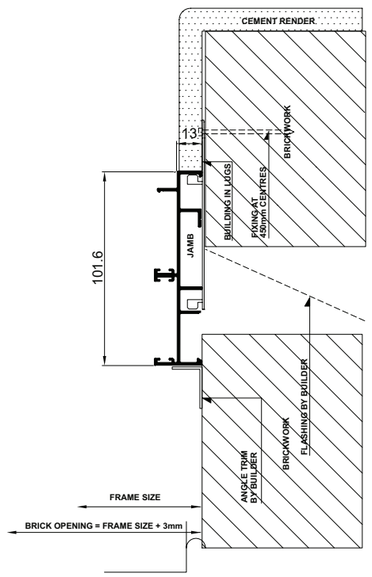
INSTALLING FRAME CORRECTLY

- 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.)**





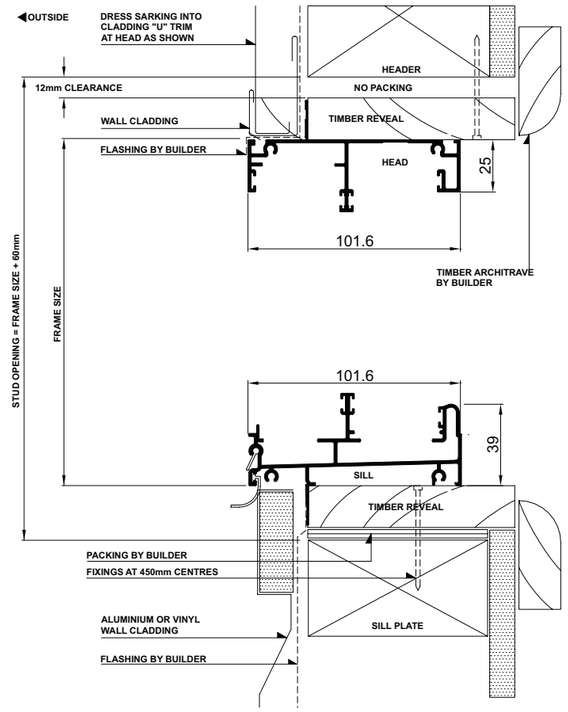
Please note that drawings displayed are not to scale

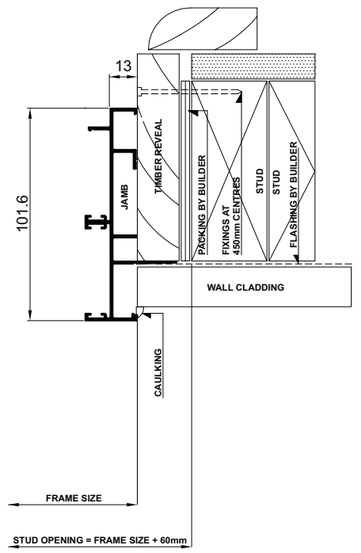
INSTALLING FRAME CORRECTLY

- 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.)**
- To ensure the satisfactory long term performance of windows, install sill support (refer to drawings below).





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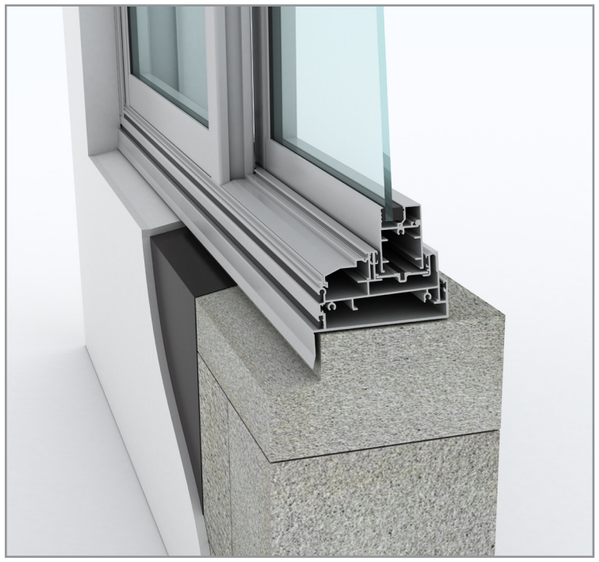
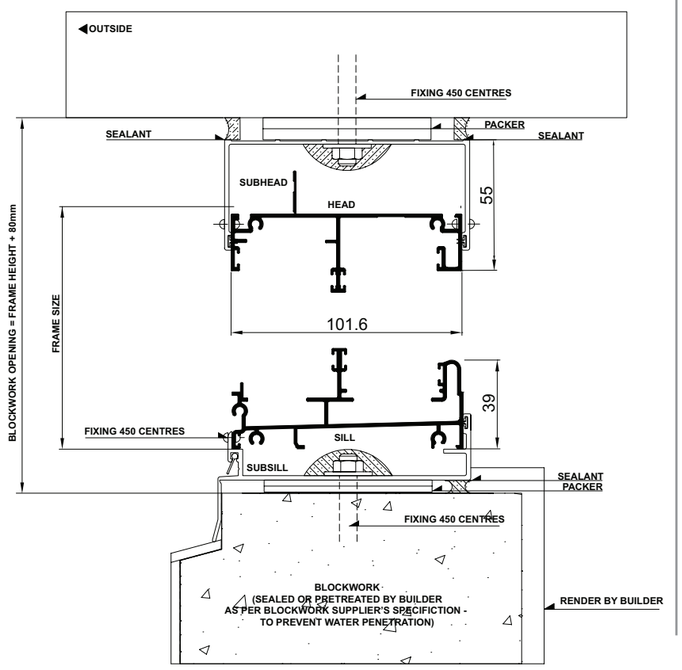


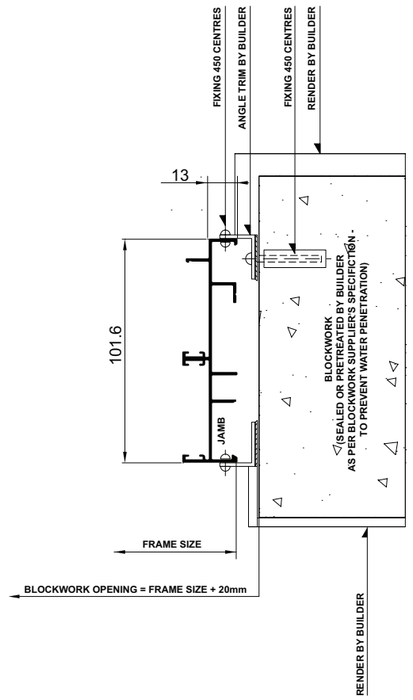
INSTALLING FRAME CORRECTLY

- 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.)**





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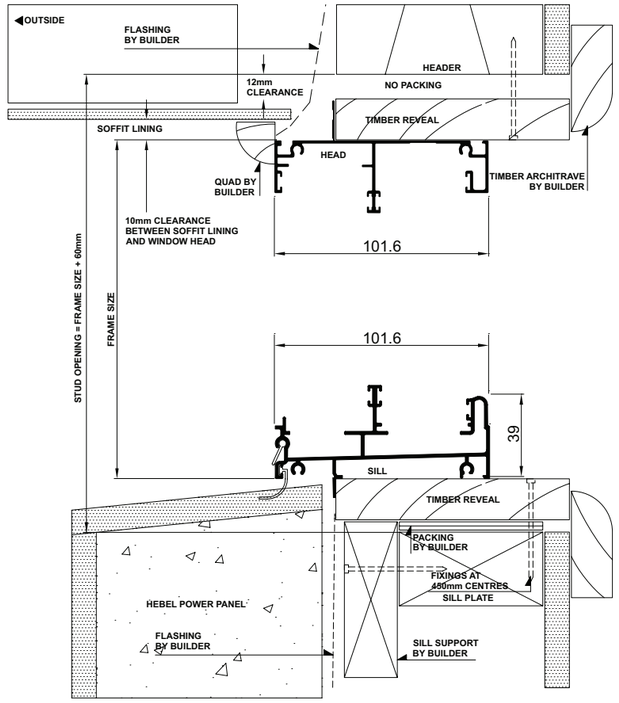
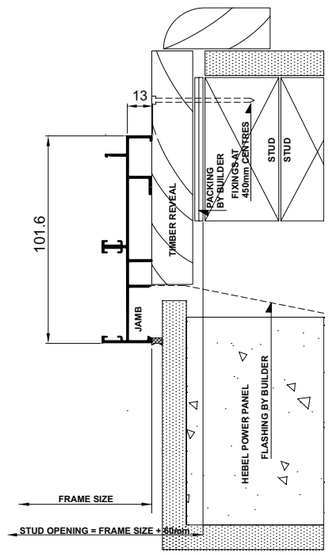
INSTALLING FRAME CORRECTLY

- 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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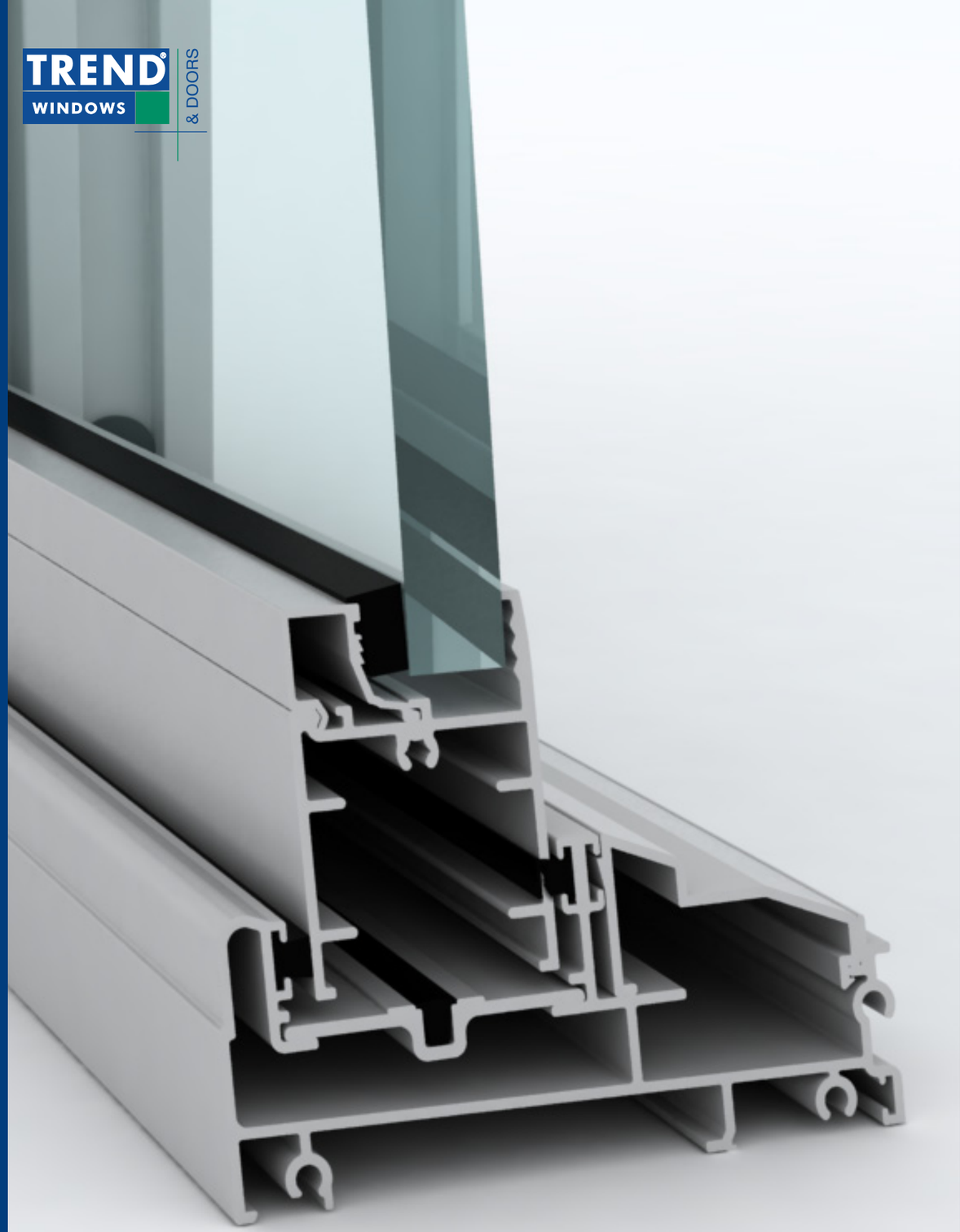
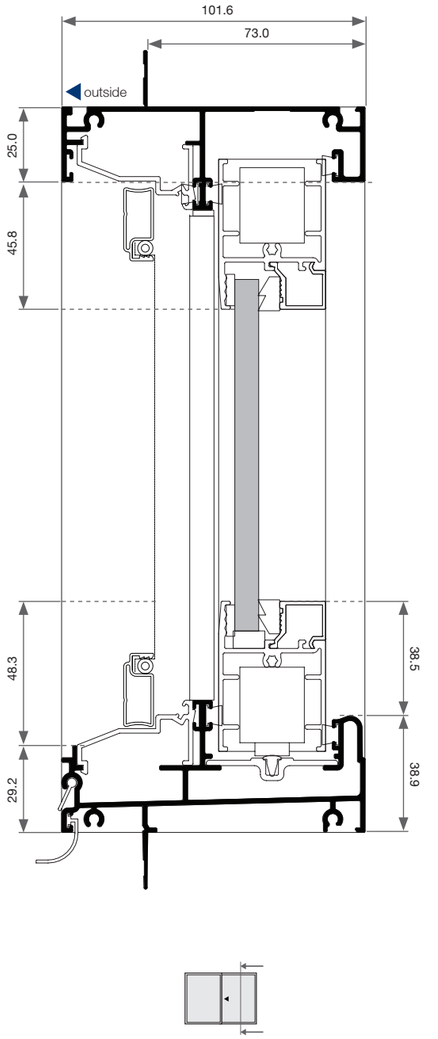


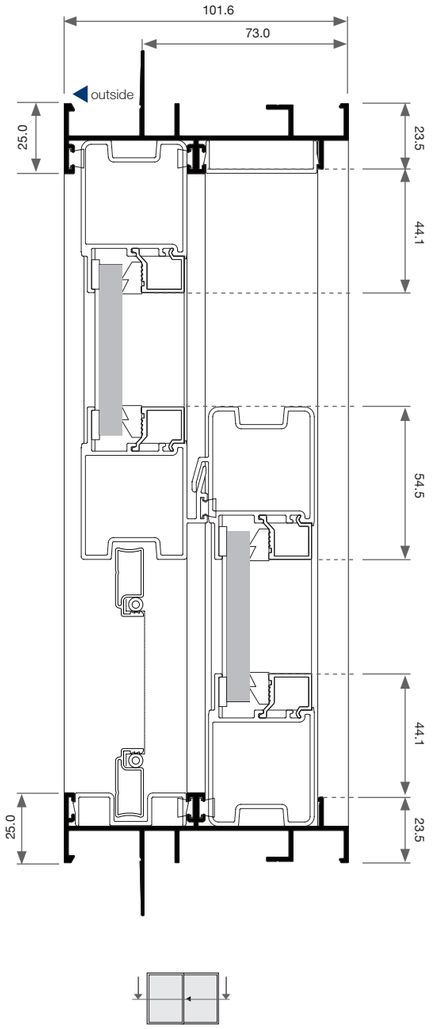
Quantum® Sliding Window

Cross Sectional View

Sliding Window - Cross Sectional View

Two Lite





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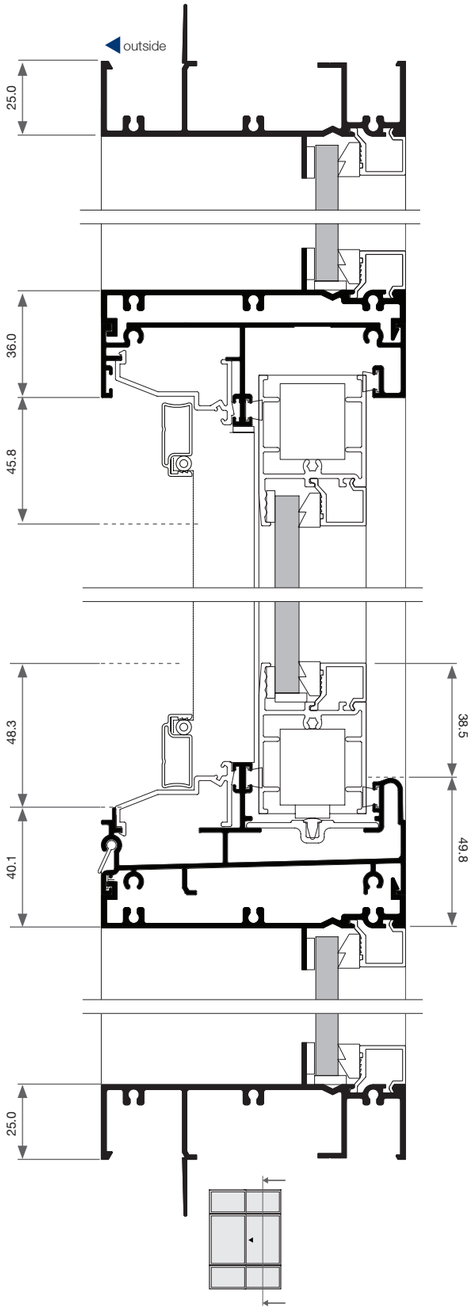
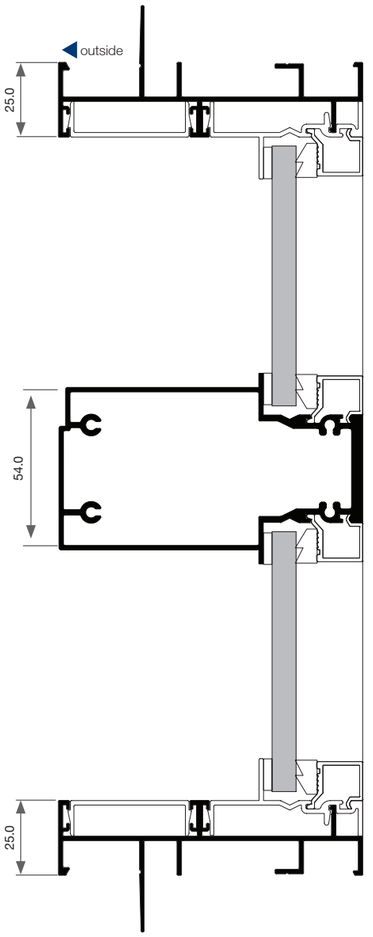
Sliding Window - Cross Sectional View

Two Lite | Transom

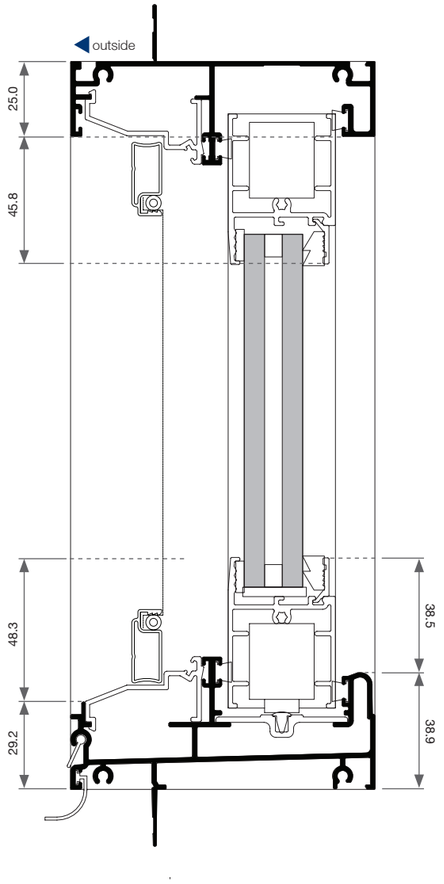


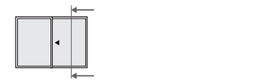


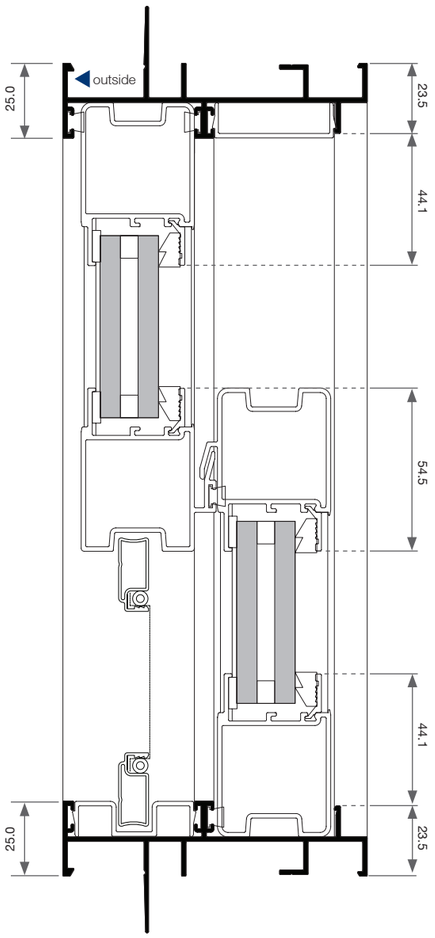
Please note that drawings displayed are not to scale

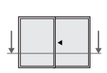
Sliding Window - Cross Sectional View

Double Glazed





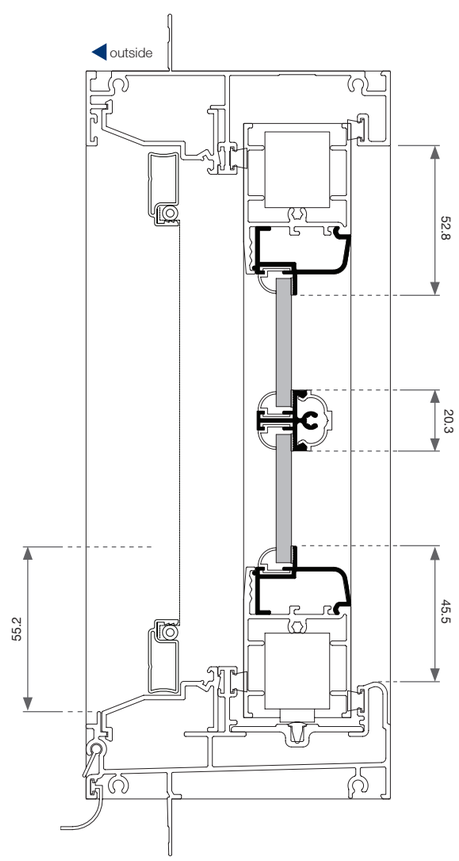


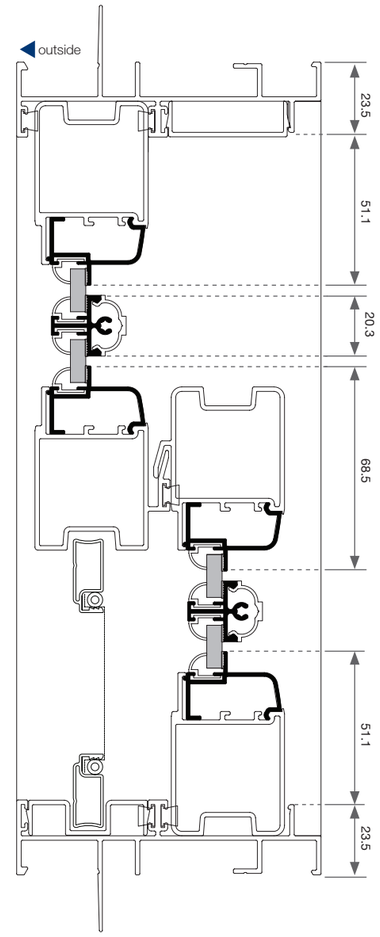


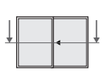
Please note that drawings displayed are not to scale

Sliding Window - Cross Sectional View

Ovolo







Please note that drawings displayed are not to scale

Quantum® Sashless Double Hung

Features & Benefits

FRAME

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

SASH

- 55mm window sash section.
- Patented vent option.
- Vertical counter balance sashes, when both top and bottom sashes are open allowing control of room ventilation.

SILL

- Modern sill design with built-in sump sill.

GLAZING & ENERGY EFFICIENCY

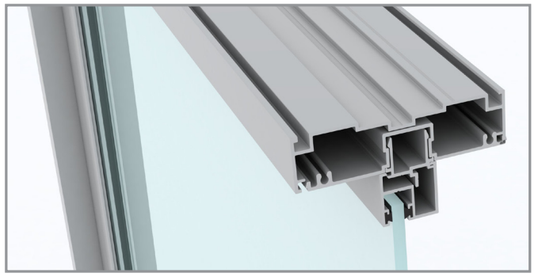
- All Trend® Windows and Doors comply with Australian Standards AS1288.
- Glazing options of 6mm toughened polished edged single glazing.
- Energy efficiency options available to help reduce home energy consumption.
- All glazing options are Window Energy Rating Scheme (WERS) rated - providing a wide range of energy efficient solutions.

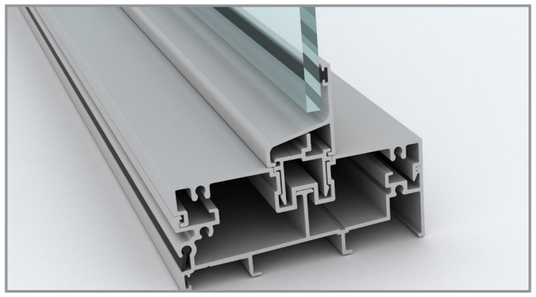
ACOUSTICS

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

WIND & WATER RATINGS

- All Trend® Windows and Doors are designed to meet and surpass 700Pa wind velocity rating and 150Pa water penetration rating and comply with Australian Standards AS2047.





Please note that drawings displayed are not to scale

Sashless Double Hung - Features & Benefits

SECURITY

- Sashless Double Hung windows come standard with patented and architecturally designed Quantum® key lock.
- 100mm child-safe window opening restrictor available.
- Optional concealed integrated vent-lock available - allowing secure partial opening for ventilation.
- Optional ***Prowler Proof*** security screens available.

BUSHFIRE

- Meets BAL-29 - compliant to Australian Standards AS3959-2009.

HARDWARE

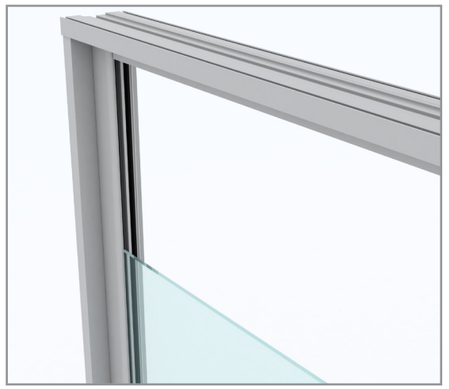
- Quantum® key lock supplied as standard in ***Infinity*** Satin Chrome.
- Optional colours are available:
  - Pearl White
  - Stone Beige
  - Anodic Natural Matt
  - Gloss Black
- Window locks can be keyed alike to other Quantum® products for ease of use.

OPTIONS

- 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.
- Can be fitted to door panels in hinged and bifold doors.

DELIVERY

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



Please note that drawings displayed are not to scale

Trend® Windows & Doors | Design Manual | Q-Mk-1 | May 2014

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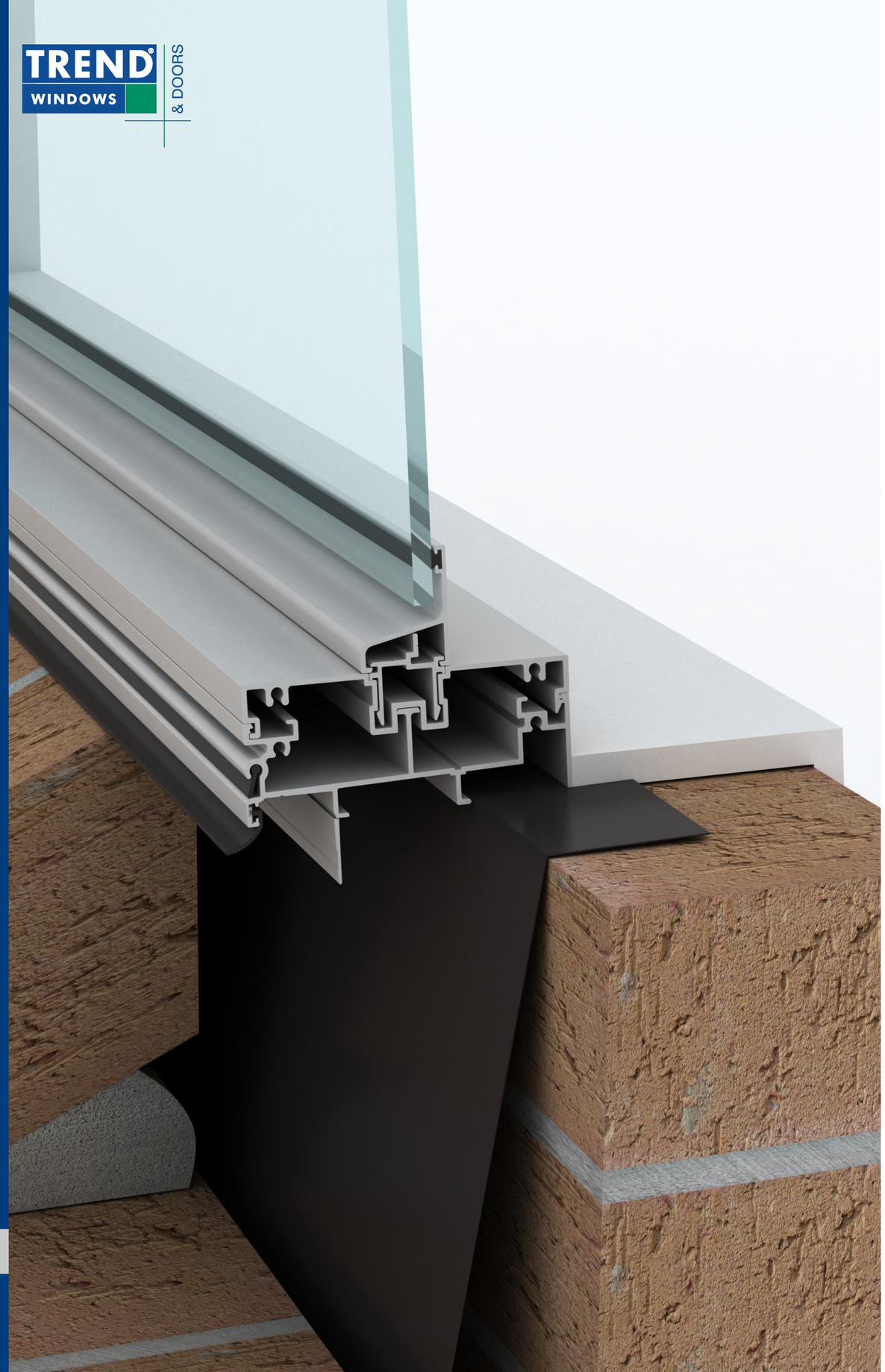


Quantum® Sashless Double Hung

Installation

Sashless Double Hung - Installation

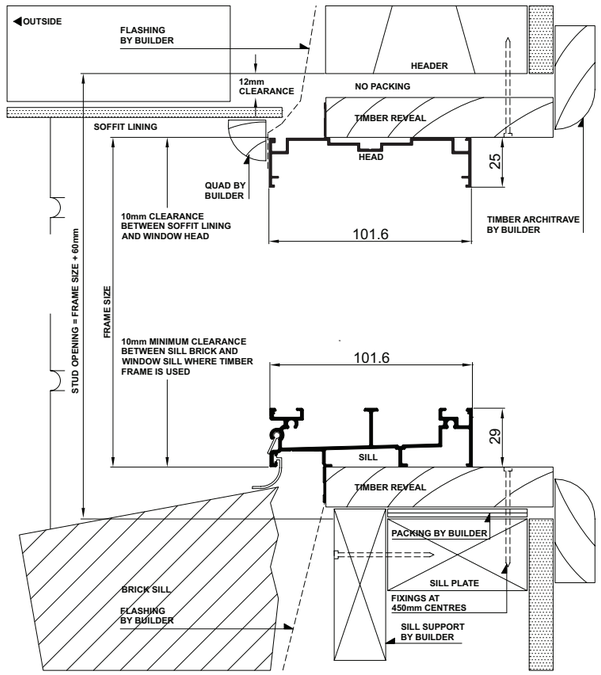
Building In Detail | **Brick Veneer - 240mm wall**

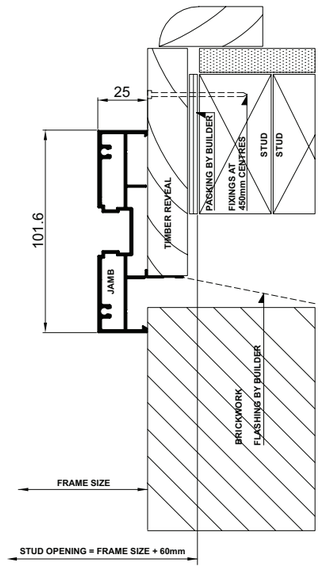
INSTALLING FRAME CORRECTLY

- 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).

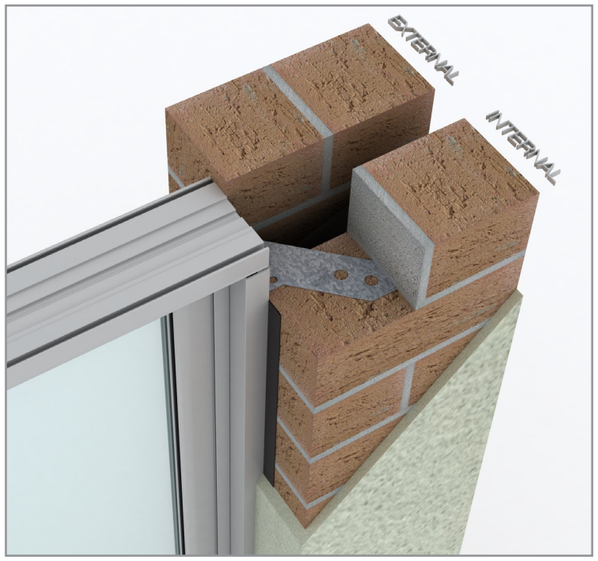




Please note that drawings displayed are not to scale

Sashless Double Hung - Installation

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

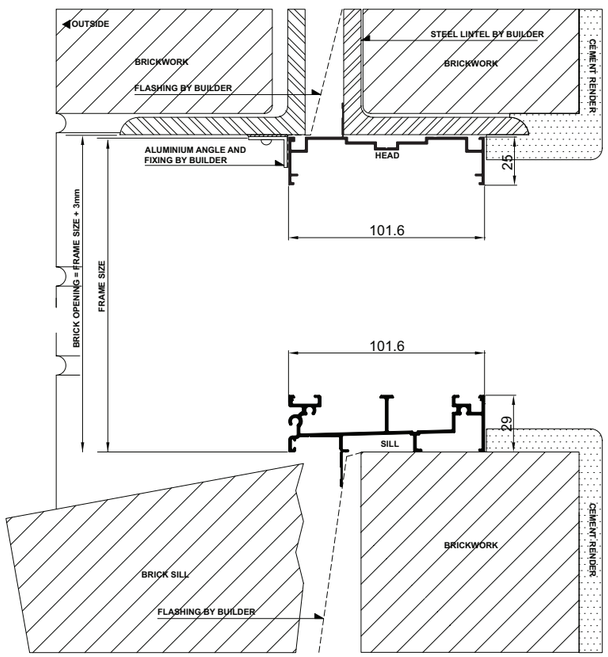


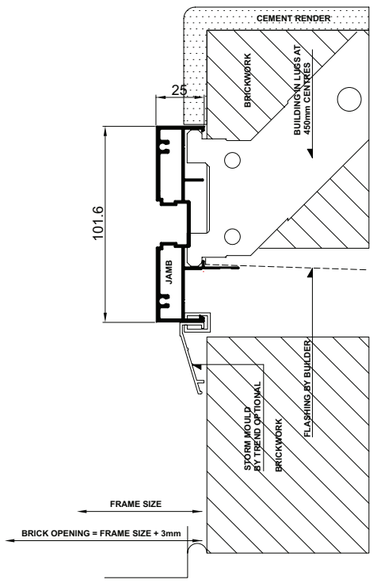
INSTALLING FRAME CORRECTLY

- 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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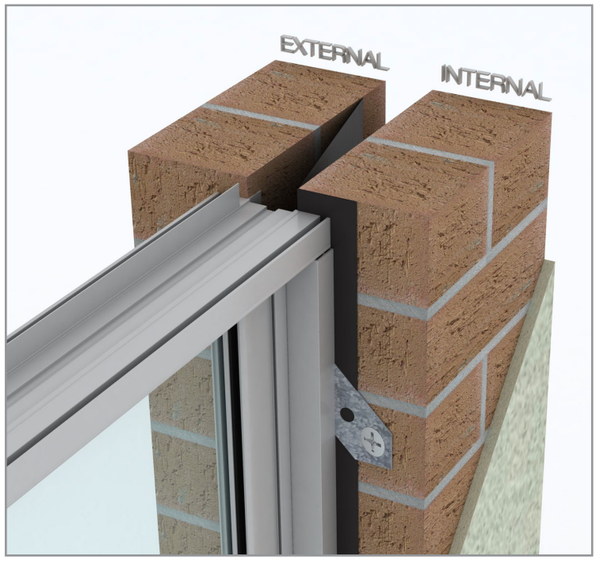
Sashless Double Hung - Installation

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

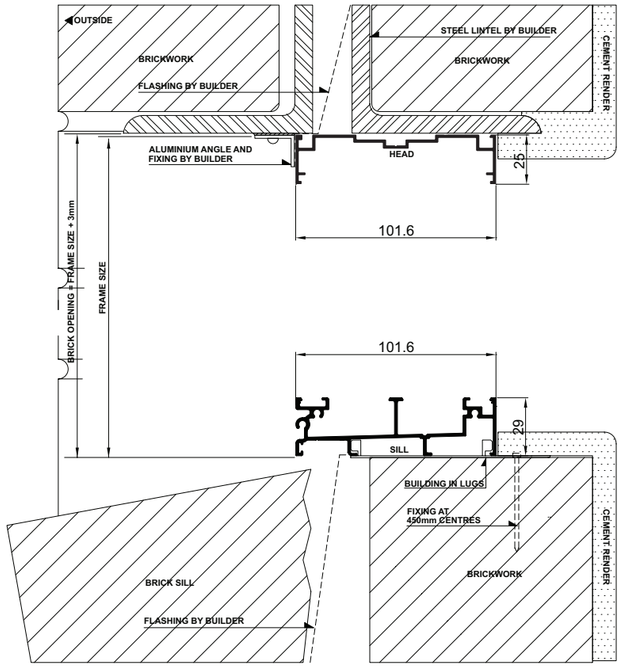


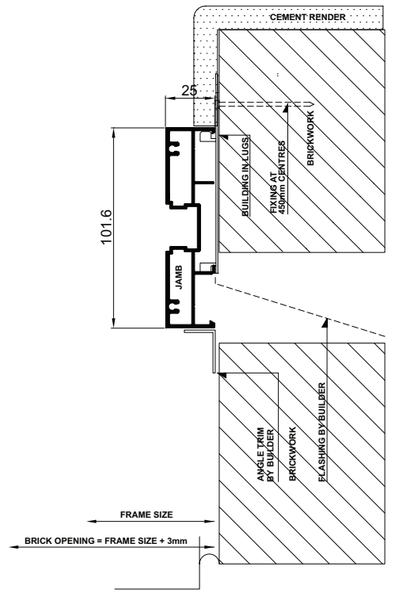
INSTALLING FRAME CORRECTLY

- 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.)**





Please note that drawings displayed are not to scale

Sashless Double Hung - Installation

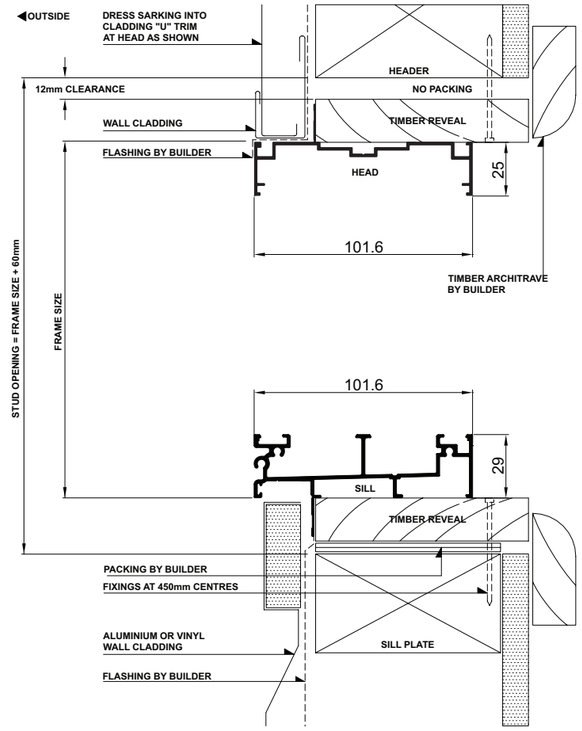
Building In Detail | **Cladding on Studwall**

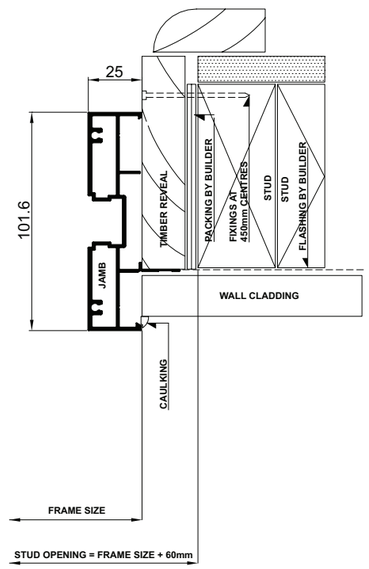
INSTALLING FRAME CORRECTLY

- 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.)**
- To ensure the satisfactory long term performance of windows, install sill support (refer to drawings below).





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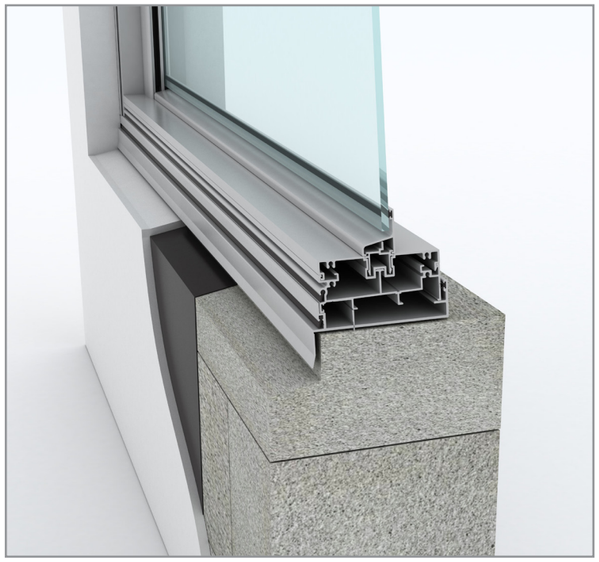
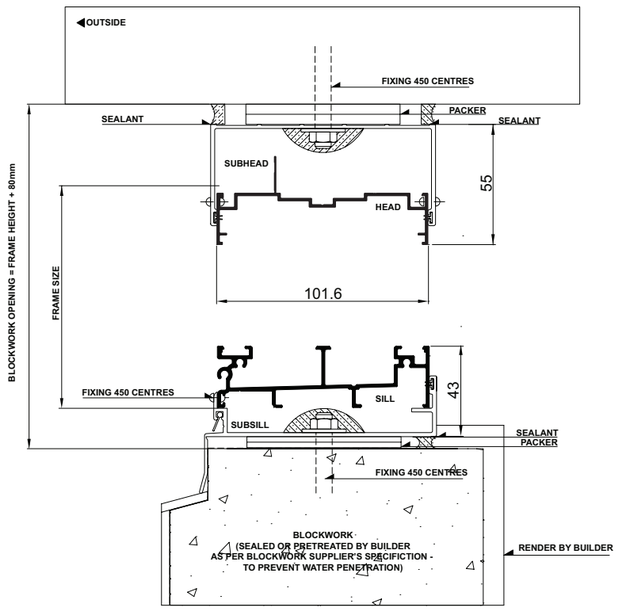


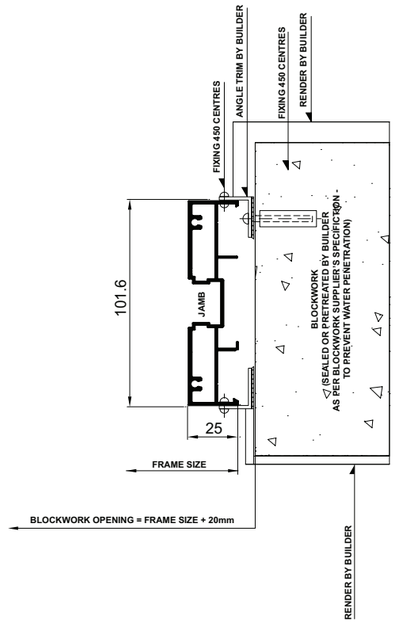
INSTALLING FRAME CORRECTLY

- 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.)**





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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.
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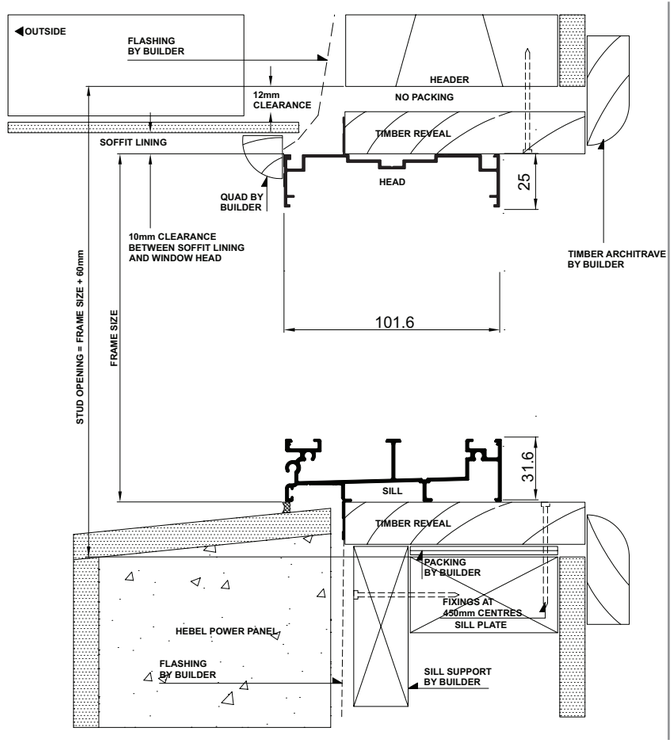

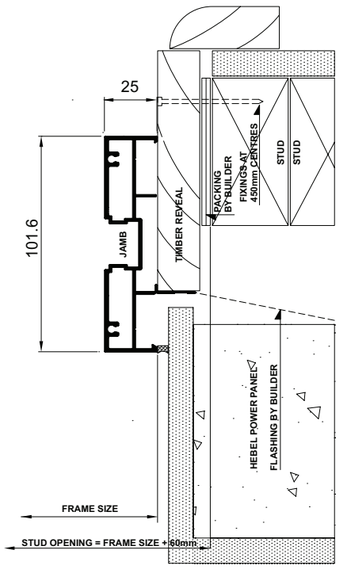

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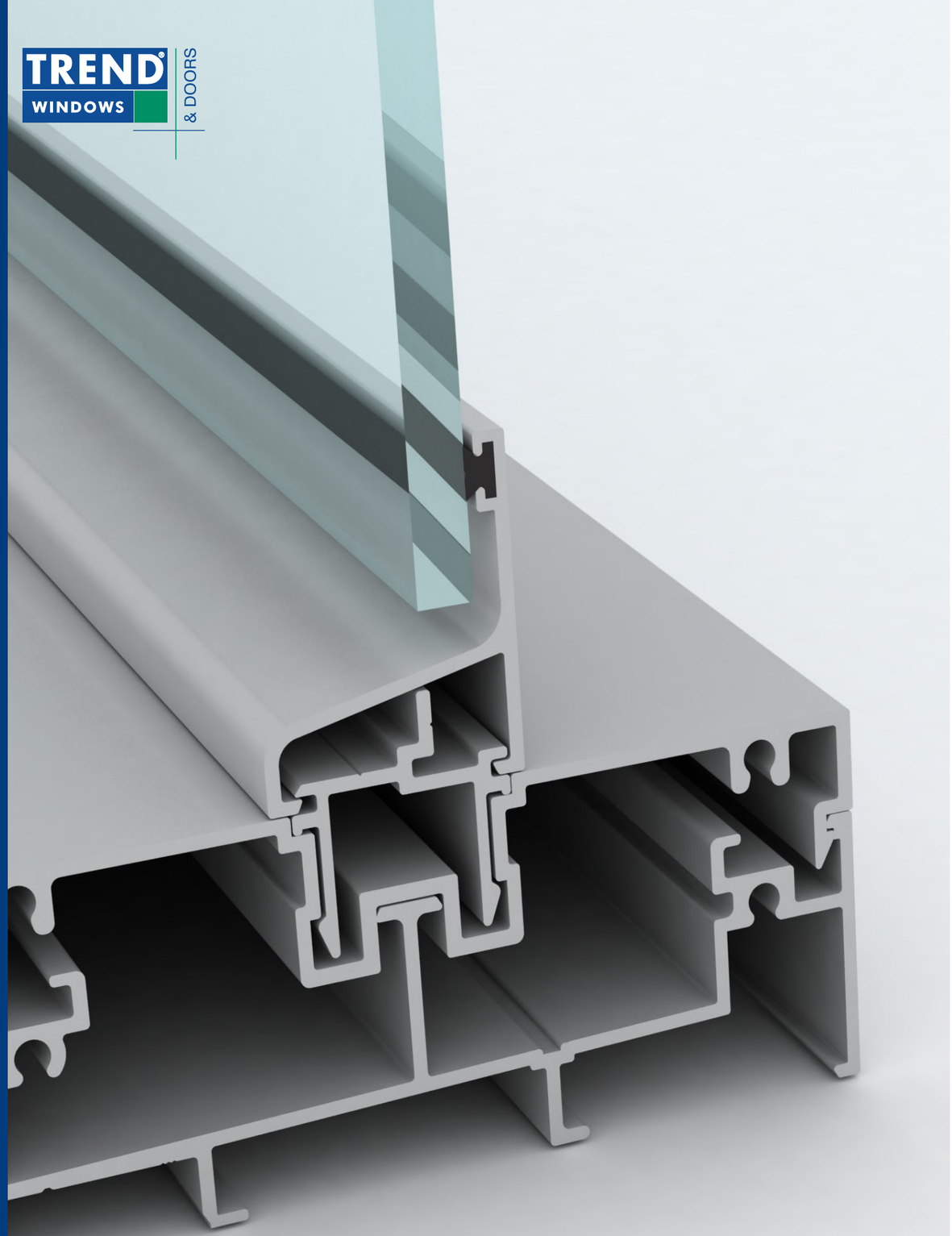
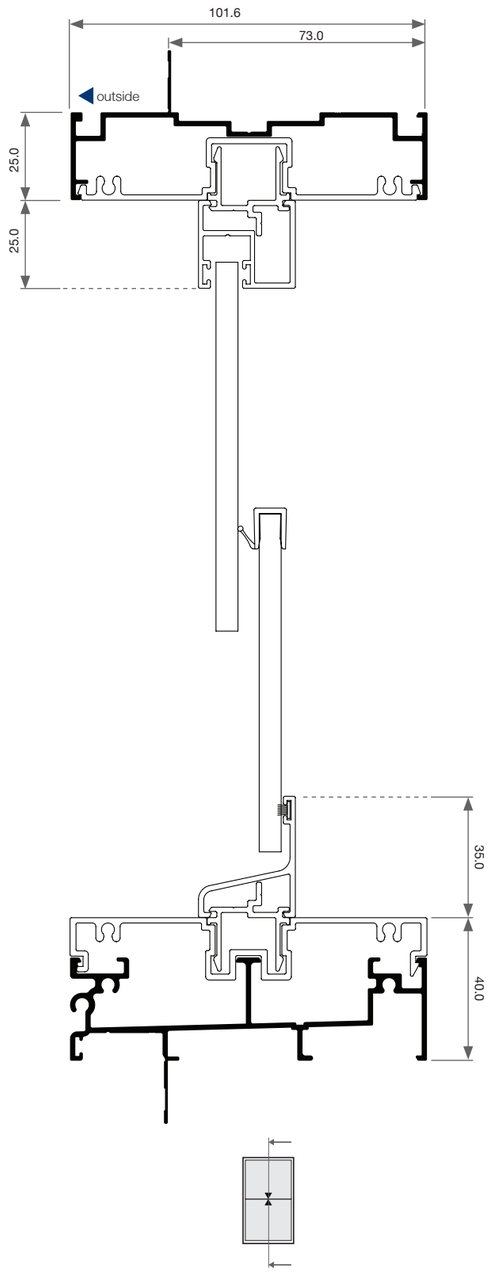


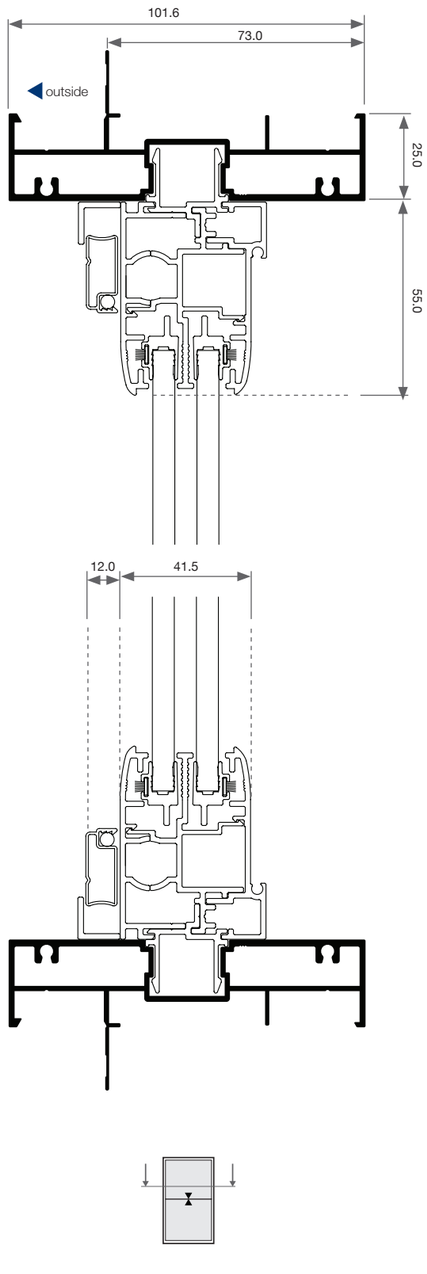
Quantum® Sashless Double Hung

Cross Sectional Views

Sashless Double Hung - Cross Sectional Views

Two Lite

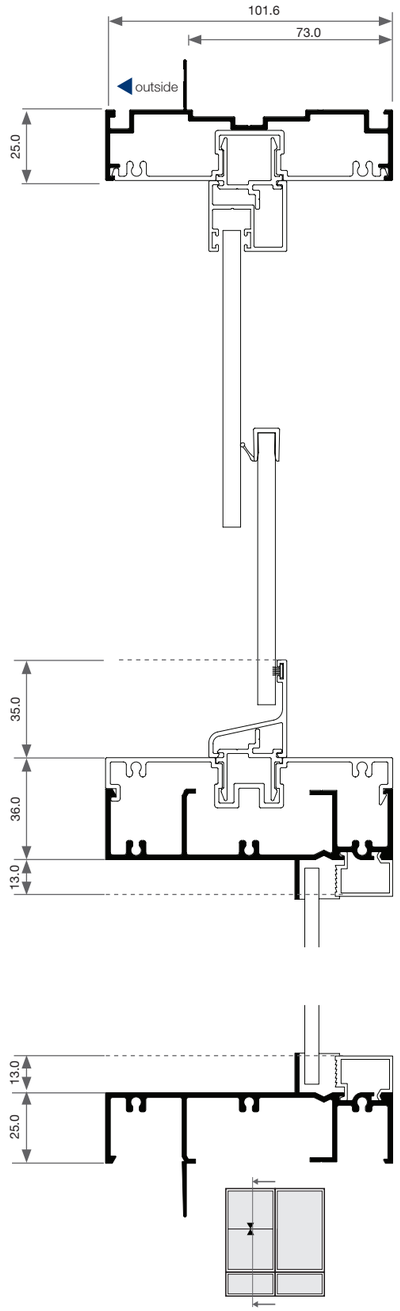


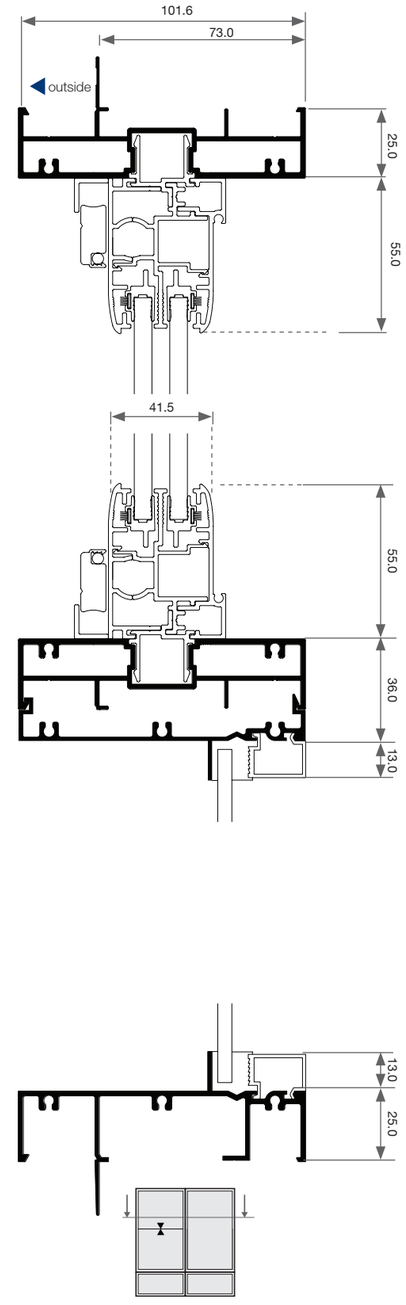


Please note that drawings displayed are not to scale

Sashless Double Hung - Cross Sectional Views

Two Lite | Transom





Please note that drawings displayed are not to scale

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Quantum® Louvre Window

Features & Benefits

FRAME

- Overall frame size 130m wide.
- When using 130mm frame, minimum recommended reveal size is 138mm.
- Installed as a single frame or ideal for combination styles with other Quantum® products.

LOUVRE BLADES

- Blades are 152mm or 102mm widths.
- Opaque, tinted or toughened glass blades available.
- Timber, aluminium blades available.
- 6mm toughened glass blades are supplied as standard.

GLAZING & ENERGY EFFICIENCY

- All Trend® Windows and Doors comply with Australian Standards AS1288.
- 6mm glass supplied only as standard.
- Optional frosted, etched, tinted or toughened glass available.
- 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.

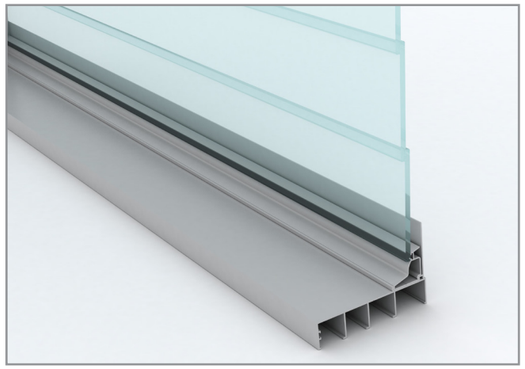
WIND & WATER RATINGS

- All Trend® Windows and Doors are designed to meet and surpass 700Pa wind velocity rating and 150Pa water penetration rating and comply with Australian Standards AS2047.
- Louvre windows rated at an air infiltration of 1.48L/s m^2.

SECURITY

- 100mm safety window restrictor is available if required.
- Security bars to fit standard blade widths**.
- ***Breezway*** Stronghold System available.

**Breezway 130mm Easy Frame louvre only.



Please note that drawings displayed are not to scale

Louvre Window - Features & Benefits

BUSHFIRE

- Meets BAL-29 - to Australian Standards AS3959-2009.

HARDWARE

- Handles can be configured to left, right, high or low placement.
- Optional ***Altair Power Louvre*** available for “out-of-reach” configurations.
- Optional key lock available.
- Optional, easy to operate A13, low profile and “O-Ring” handles available.

OPTIONS

- Wide range of powder coated colours.
- Customised WERS ratings.
- Variety of sizes and custom made options available.
- Variety of configuration options available.
- Easy to install flyscreens fitted to exterior of window.

DELIVERY

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

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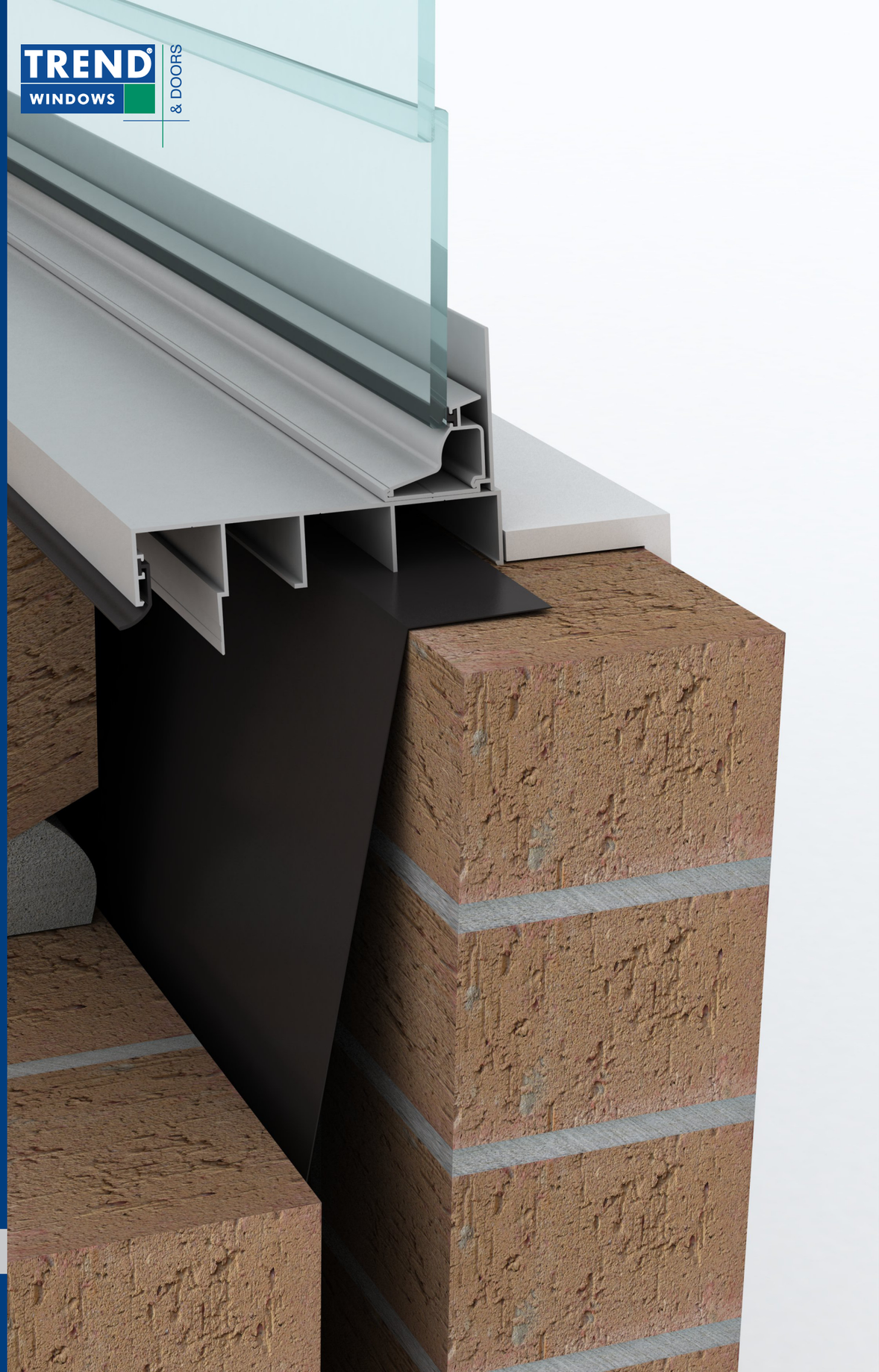


Quantum® Louvre Window

Installation

Louvre Window - Installation

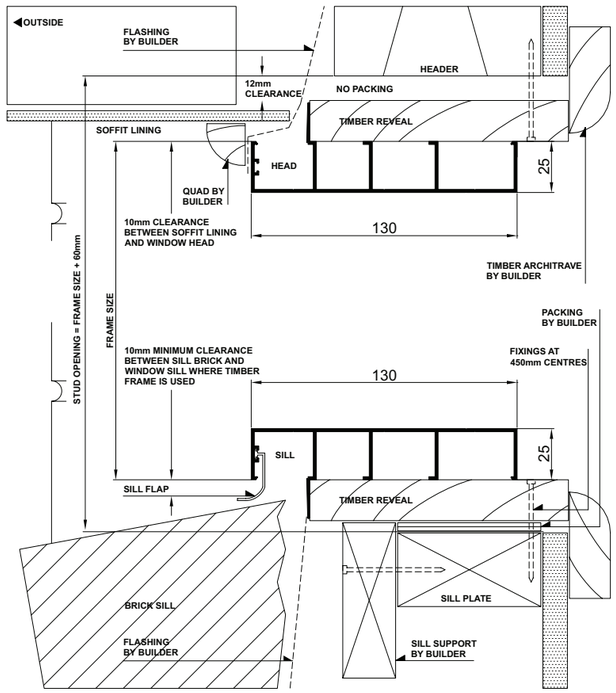
Building In Detail | **Brick Veneer - 240mm wall**

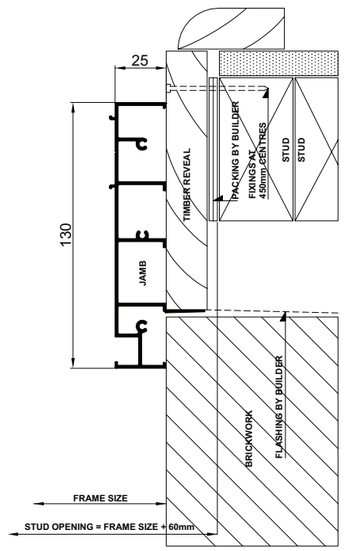
INSTALLING FRAME CORRECTLY

- 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).

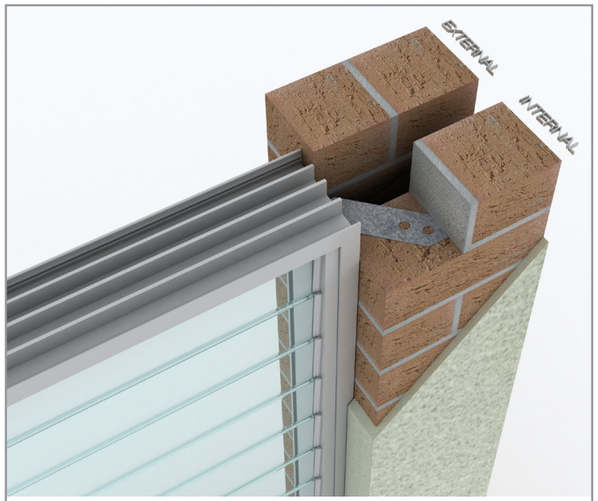




Please note that drawings displayed are not to scale

Louvre Window - Installation

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

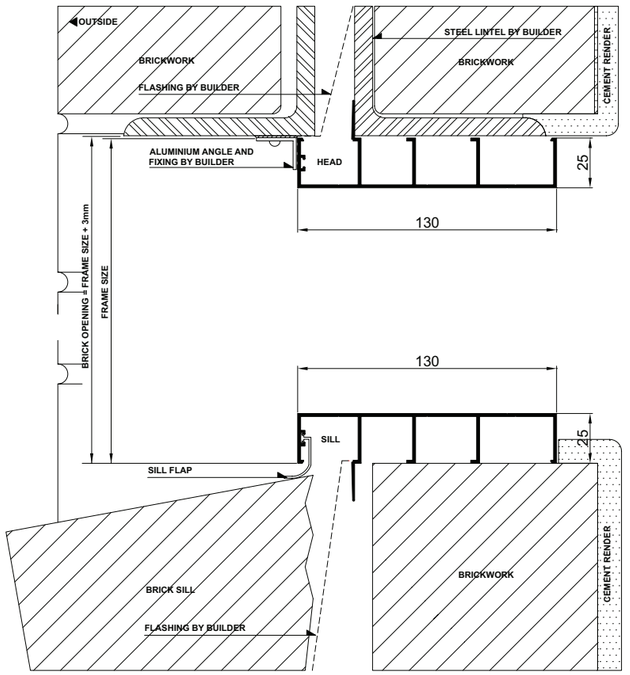


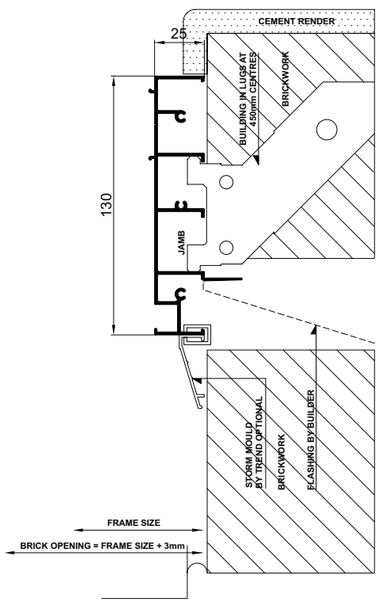
INSTALLING FRAME CORRECTLY

- 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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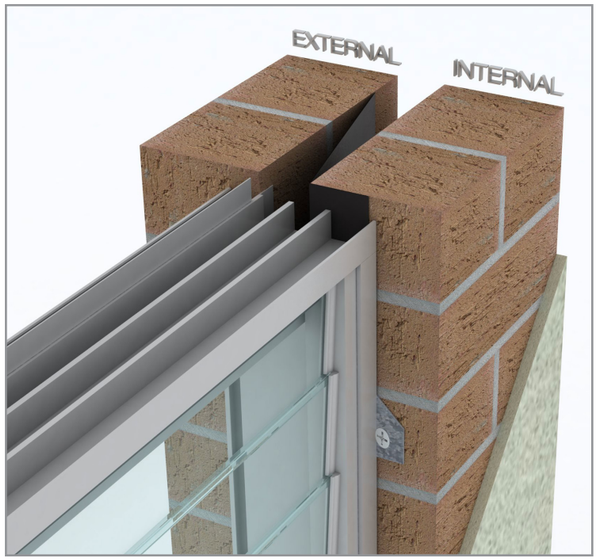
Louvre Window - Installation

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

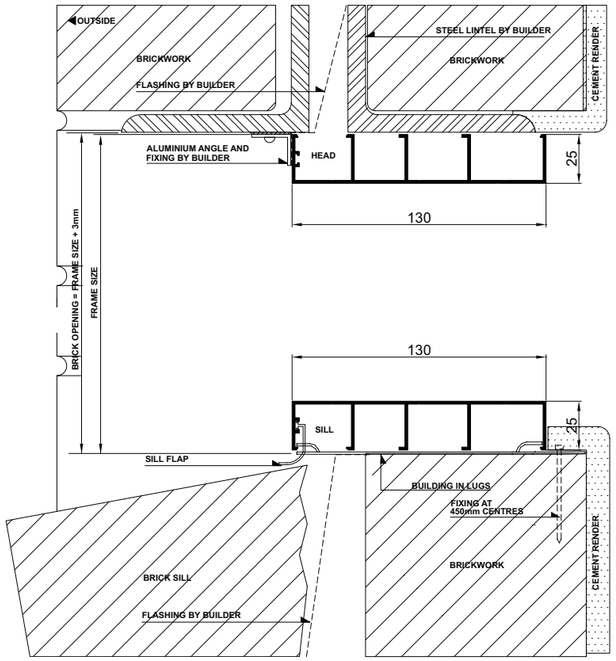


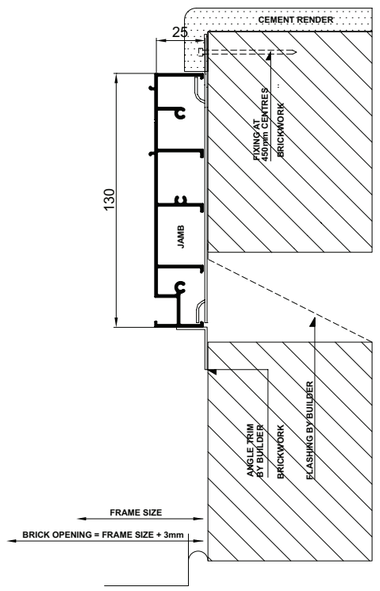
INSTALLING FRAME CORRECTLY

- 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.)**





Please note that drawings displayed are not to scale

Louvre Window - Installation

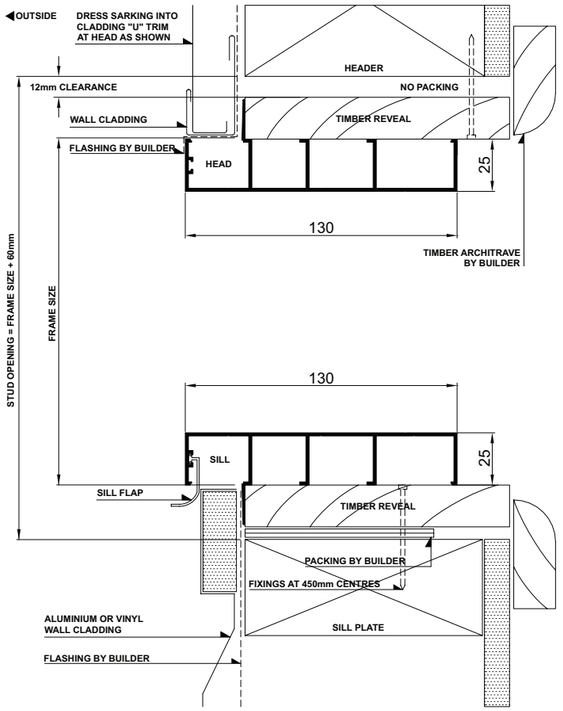
Building In Detail | **Cladding on Studwall**

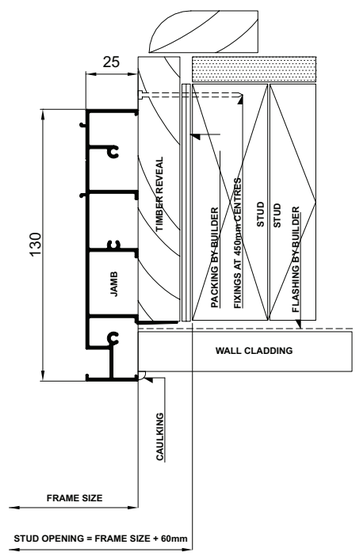
INSTALLING FRAME CORRECTLY

- 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.)**
- To ensure the satisfactory long term performance of windows, install sill support (refer to drawings below).





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Louvre Window - Installation

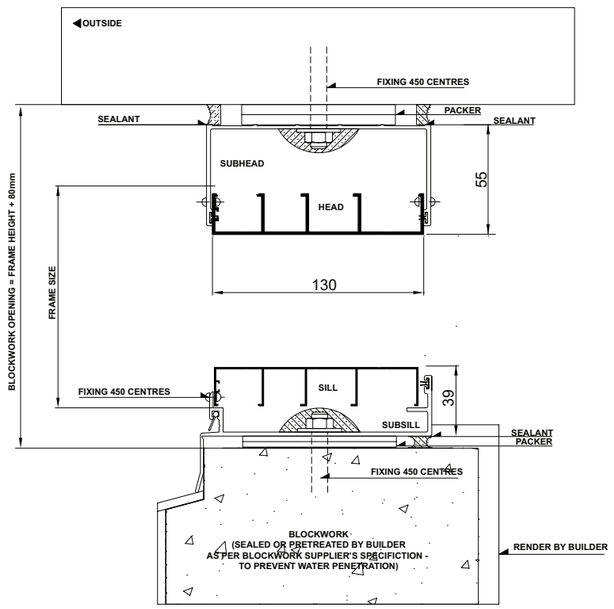
Building In Detail | **Blockwork**

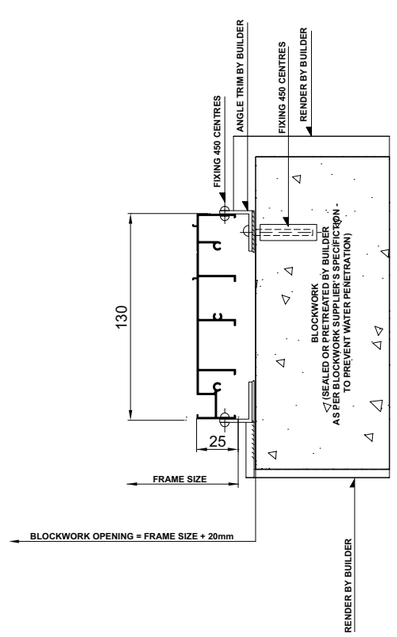
INSTALLING FRAME CORRECTLY

- 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.)**





Please note that drawings displayed are not to scale

Louvre Window - Installation

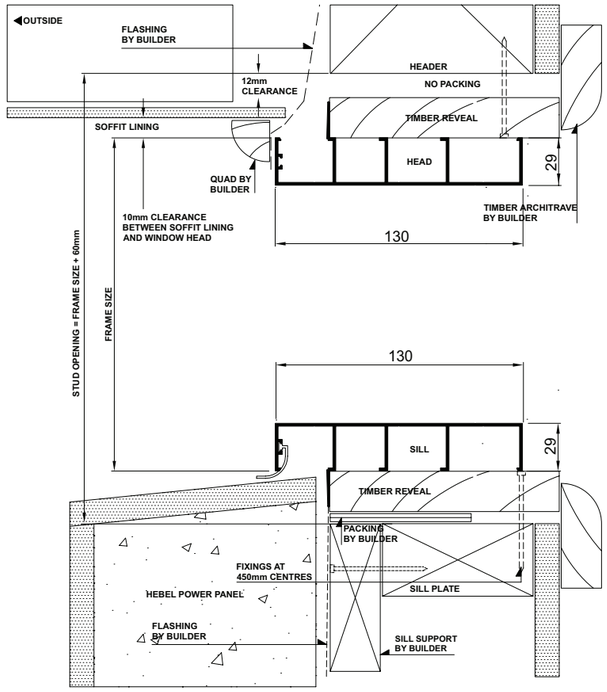
Building In Detail | **Hebel Power Panel**

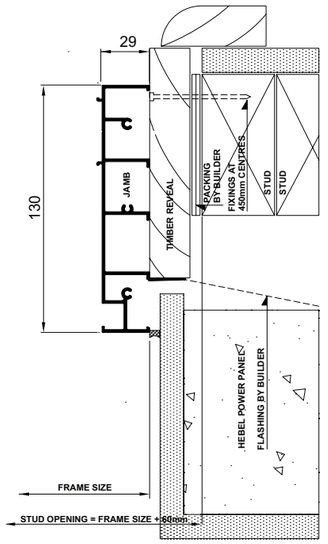
INSTALLING FRAME CORRECTLY

- 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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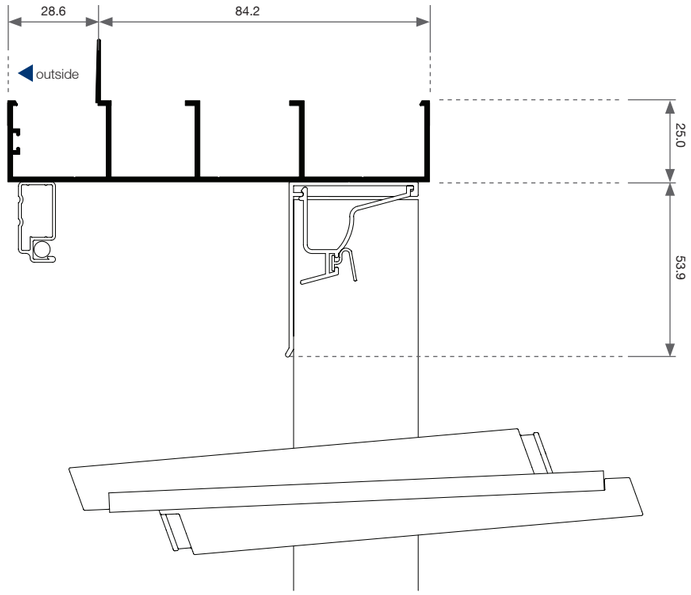
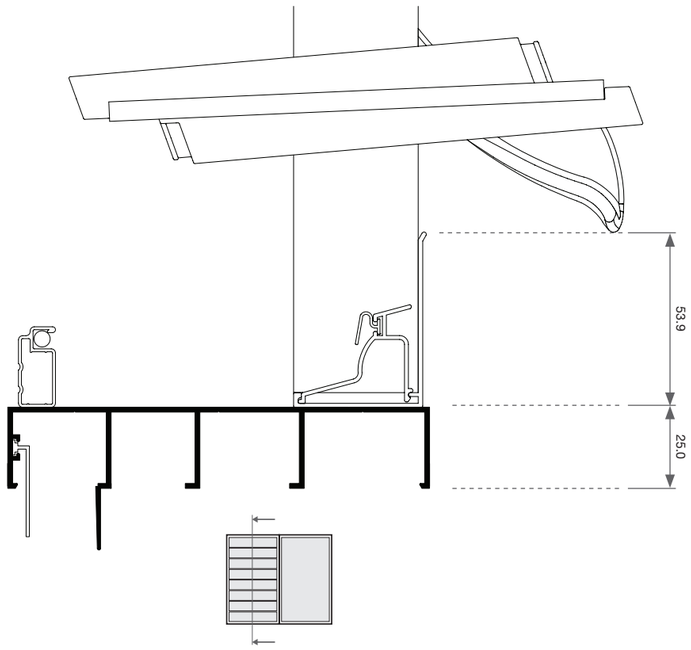
Quantum® Louvre Window

Cross Sectional Views

Louvre Window - Cross Sectional View

Two Lite | Blades | Elevation

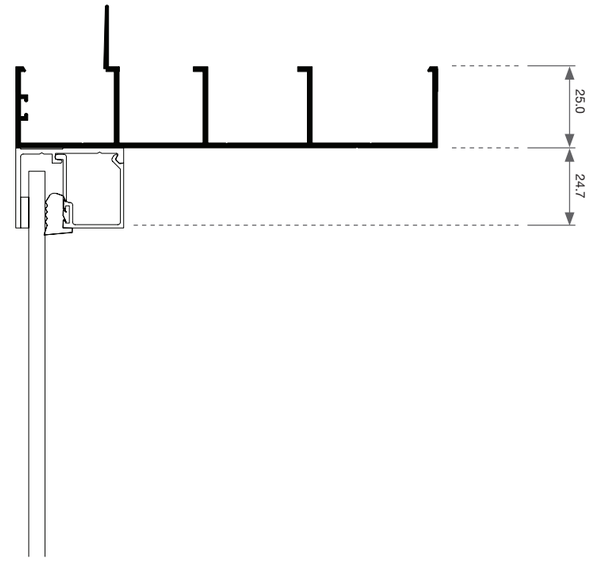


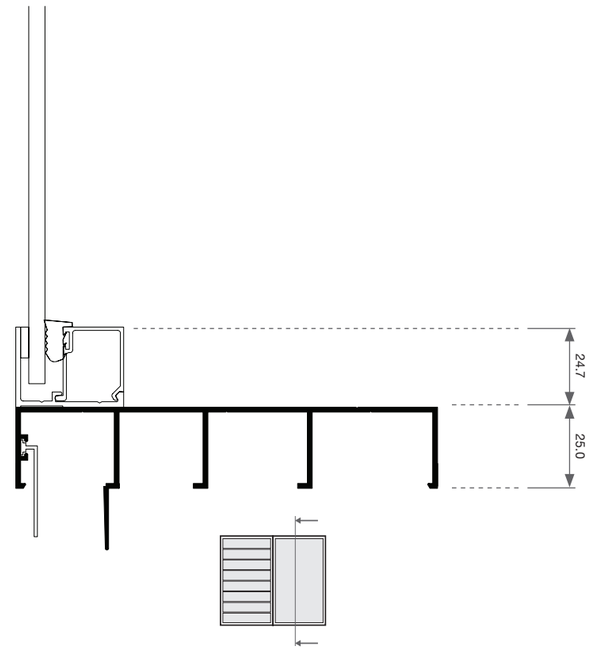


Please note that drawings displayed are not to scale

Louvre Window - Cross Sectional View

Two Lite | Fixed Lite | Elevation





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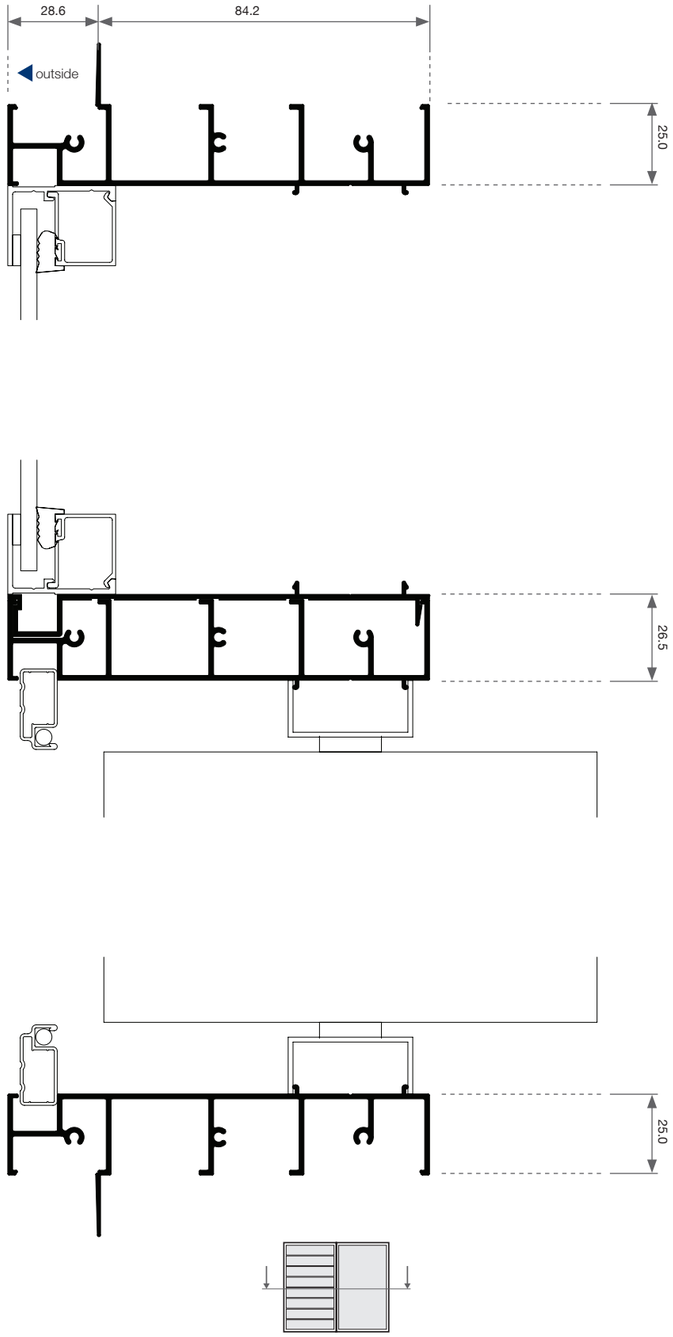
Louvre Window - Cross Sectional View

Two Lite | Plan



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Quantum® Bifold Window

Features & Benefits

FRAME

- Robust 102mm semi commercial aluminium window frame, ideal for larger bifolding windows.

SASH

- 62mm wide window sash section with heights up to 1600mm*.
- Maximum leaf size is 870mm wide.

**Configurations are open out only.*

SILL

- If no sill is required this option for “servery windows” is available.*

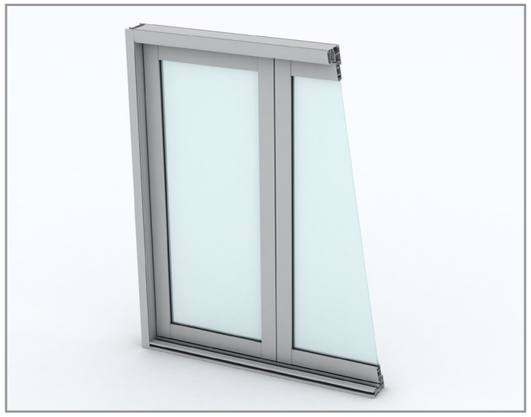
**No sill option does not meet water and wind requirements.*

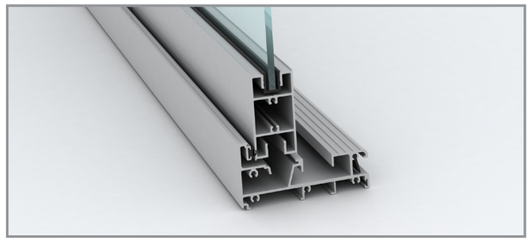
GLAZING & ENERGY EFFICIENCY

- All Trend® Windows and Doors comply with Australian Standards AS1288.
- Glazing options from 4mm single glazed to 18mm 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.





Please note that drawings displayed are not to scale

Bifold Window - Features & Benefits

WIND & WATER RATINGS

- All Trend® Windows and Doors are designed to meet and surpass 700Pa wind velocity rating and 150Pa water penetration rating and comply with Australian Standards AS2047.
- Bifold window rated at an air infiltration of 0.67L/s m^2.

HARDWARE

- ***Infinity*** Satin Chrome hardware supplied as standard.
- Optional colours available are:
  - Pearl White
  - Stone Beige
  - Anodic Natural Matt
  - Gloss Black
- Durable stainless steel hinges available as standard.
- Window locks can be keyed alike to other Quantum® products for ease of use.

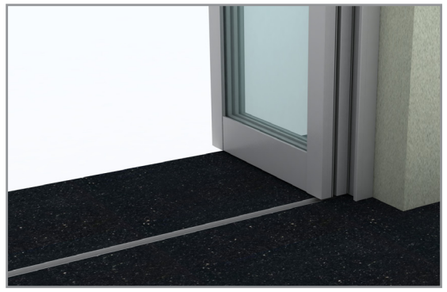
OPTIONS

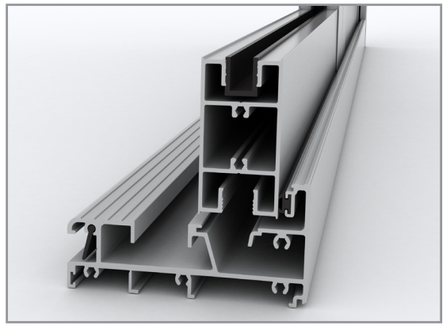
- Glazing options also available in bar layout styles:
  - Colonial
  - Federation
  - Ovolo glazing bar style*
- Wide range of powdercoated colours.
- Customised WERS ratings.
- Variety of sizes and custom made options available.
- Variety of configuration options available.

**Ovolo only available in single glazing.*

DELIVERY

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





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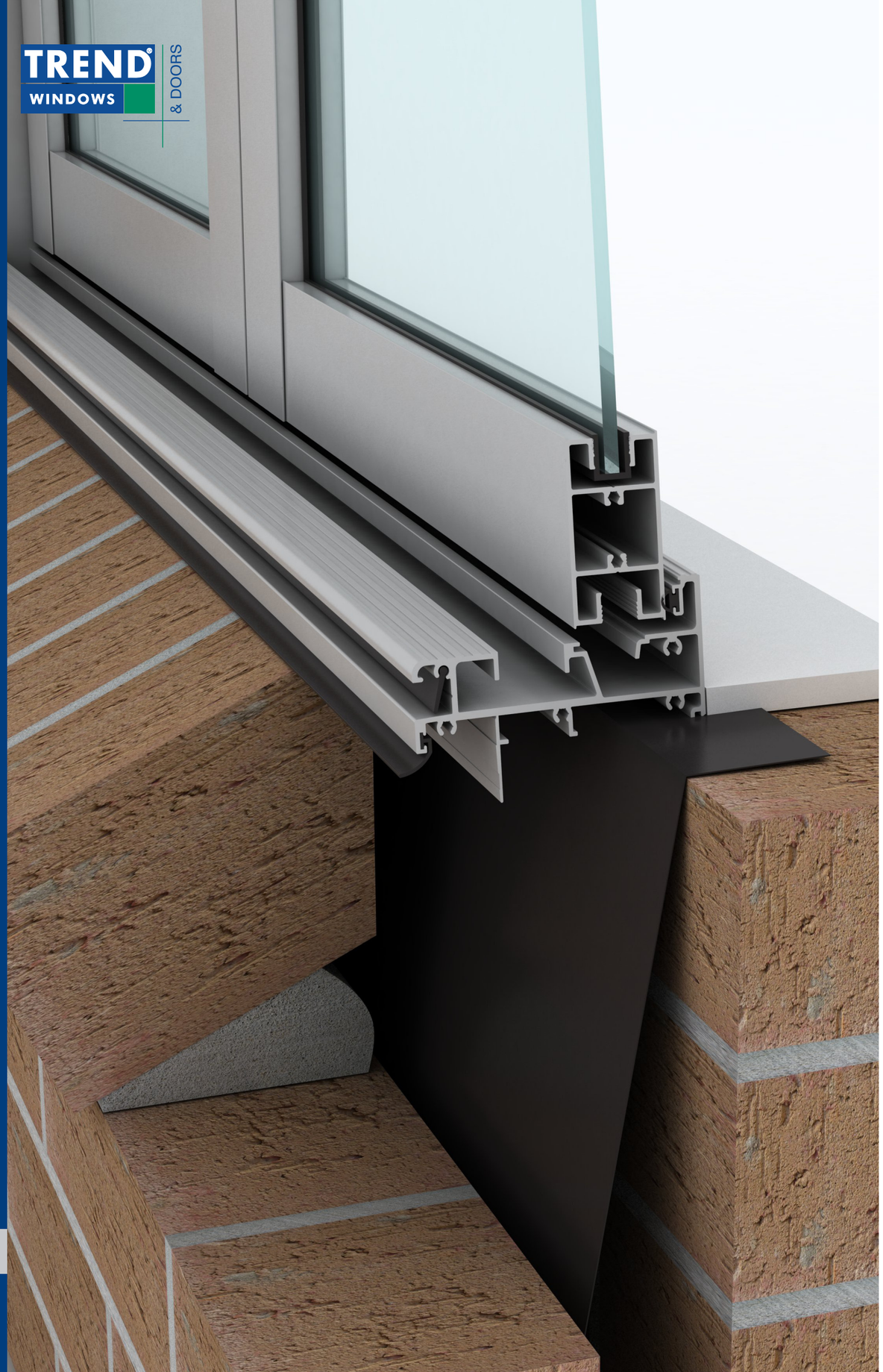


Quantum® Bifold Window

Installation

Bifold Window - Installation

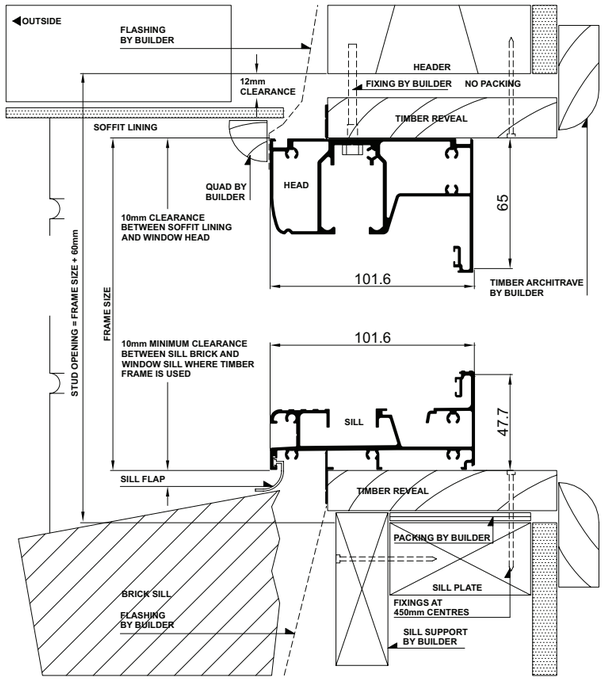
Building In Detail | **Brick Veneer - 240mm wall**

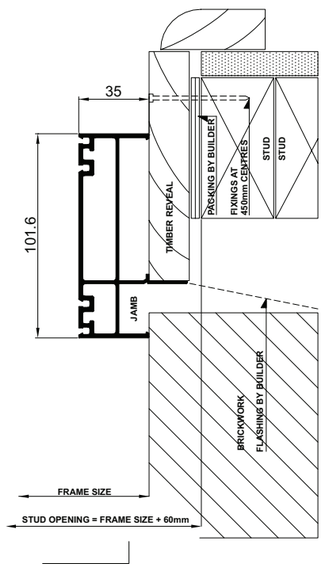
INSTALLING FRAME CORRECTLY

- 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).
- **Build-in 3mm camber to head.**
- **Bifolds top-hung - beam must support weight.**

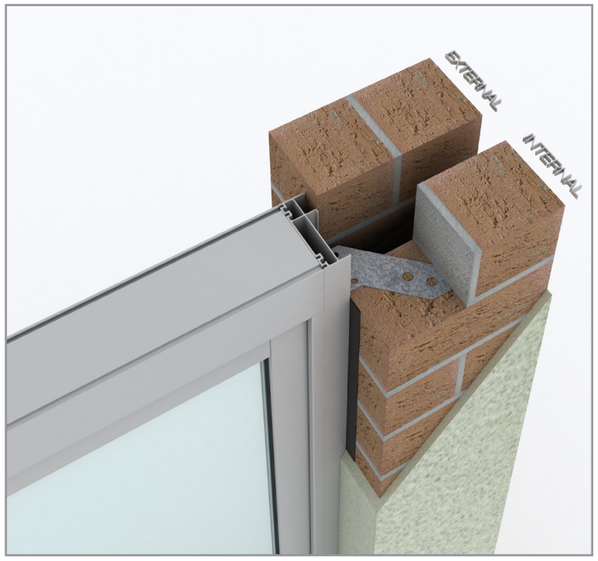




Please note that drawings displayed are not to scale

Bifold Window - Installation

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

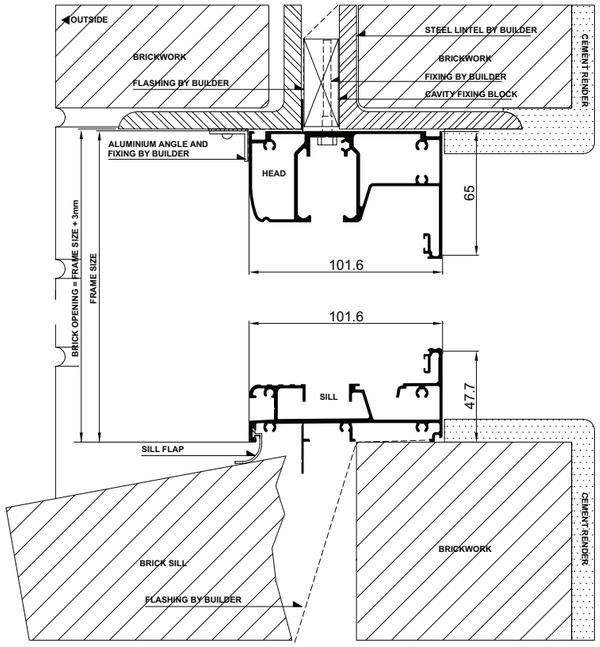


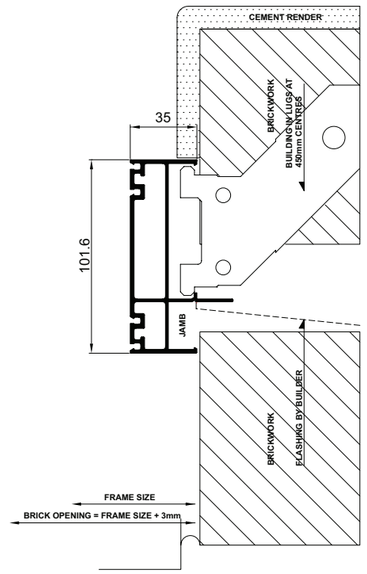
INSTALLING FRAME CORRECTLY

- 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.)**
- **Build-in 3mm camber to head.**
- **Bifolds top-hung - beam must support weight.**

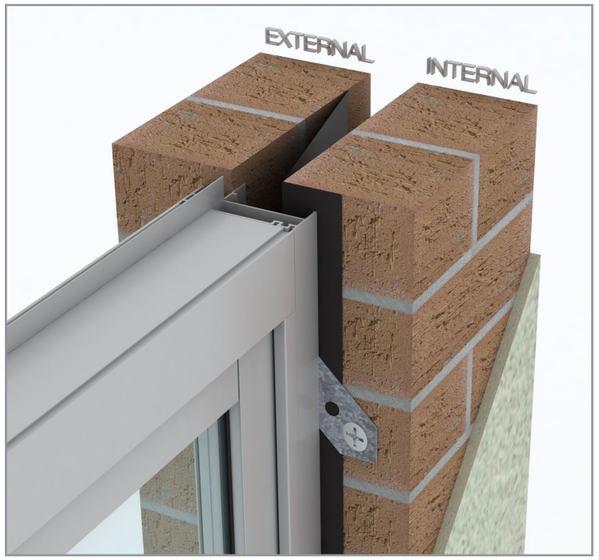




Please note that drawings displayed are not to scale

Bifold Window - Installation

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

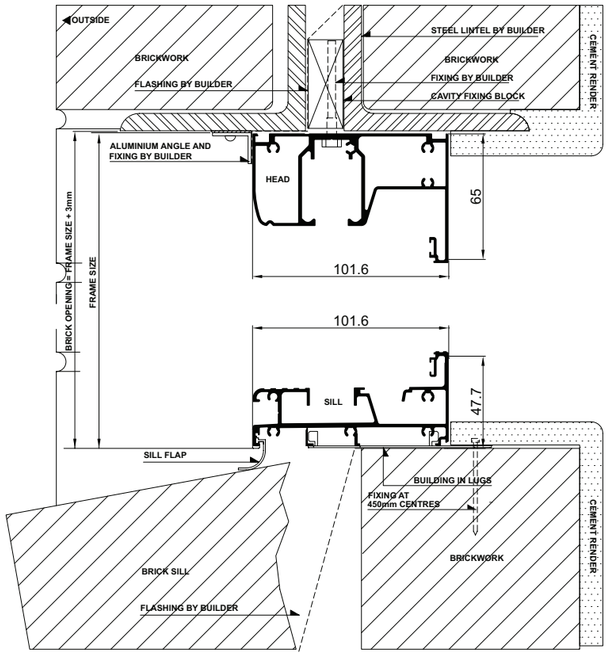


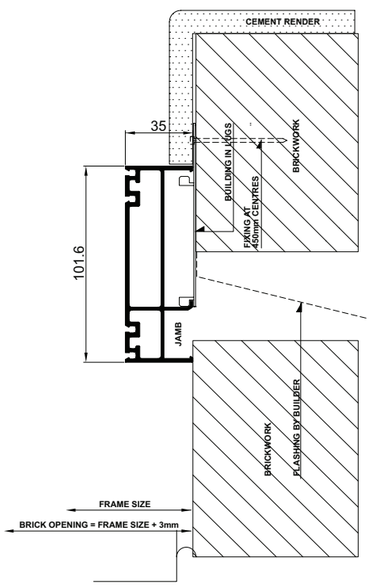
INSTALLING FRAME CORRECTLY

- 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.)**
- **Build-in 3mm camber to head.**
- **Bifolds top-hung - beam must support weight.**





Please note that drawings displayed are not to scale

Bifold Window - Installation

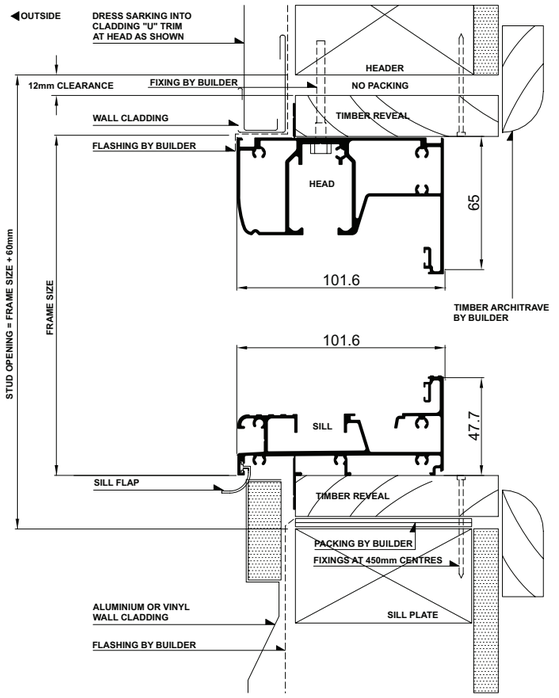
Building In Detail | **Cladding on Studwall**

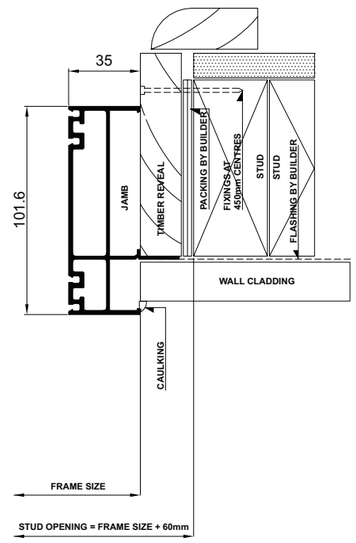
INSTALLING FRAME CORRECTLY

- 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.)**
- To ensure the satisfactory long term performance of windows, install sill support (refer to drawings below).
- **Build-in 3mm camber to head.**
- **Bifolds top-hung - beam must support weight.**





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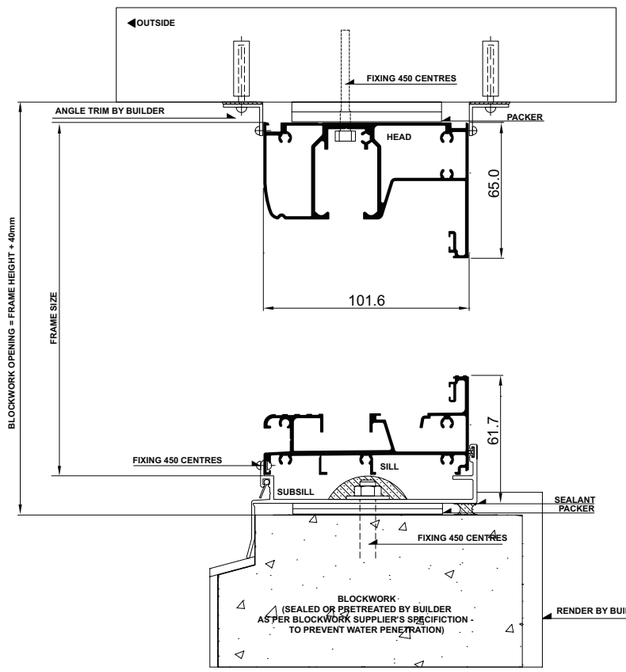
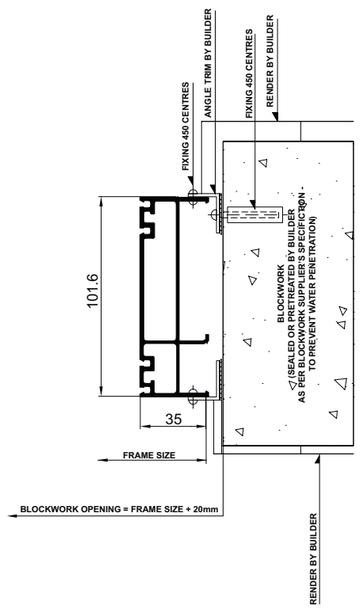
INSTALLING FRAME CORRECTLY

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

  Blockwork Opening:
  Height = Frame Size + 40mm
  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.)**
- **Build-in 3mm camber to head.**
- **Bifolds top-hung - beam must support weight.**





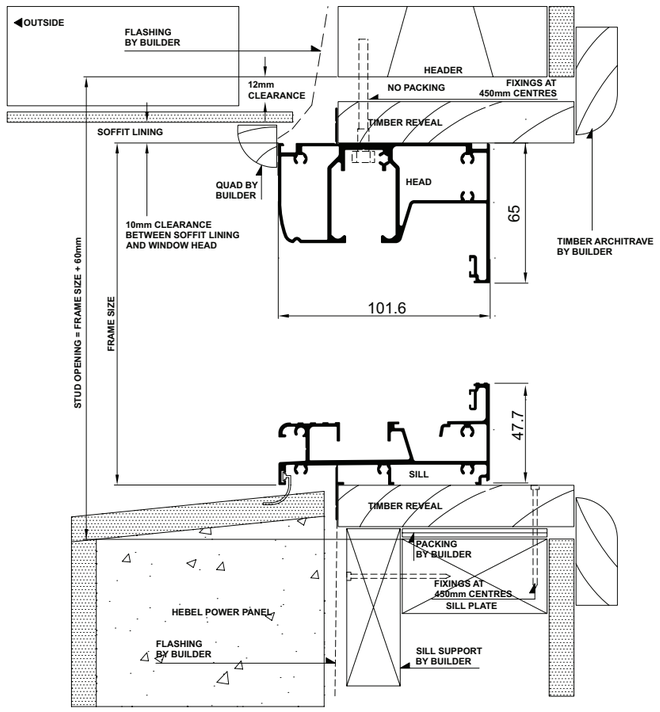
Please note that drawings displayed are not to scale

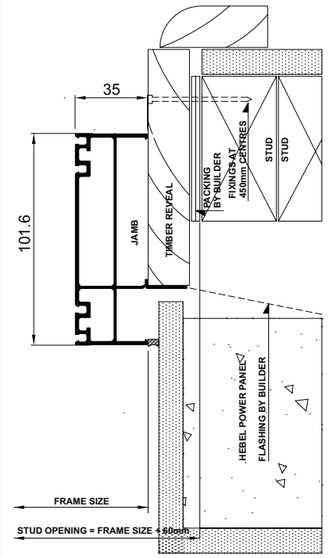
INSTALLING FRAME CORRECTLY

- 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).
- **Build-in 3mm camber to head.**
- **Bifolds top-hung - beam must support weight.**





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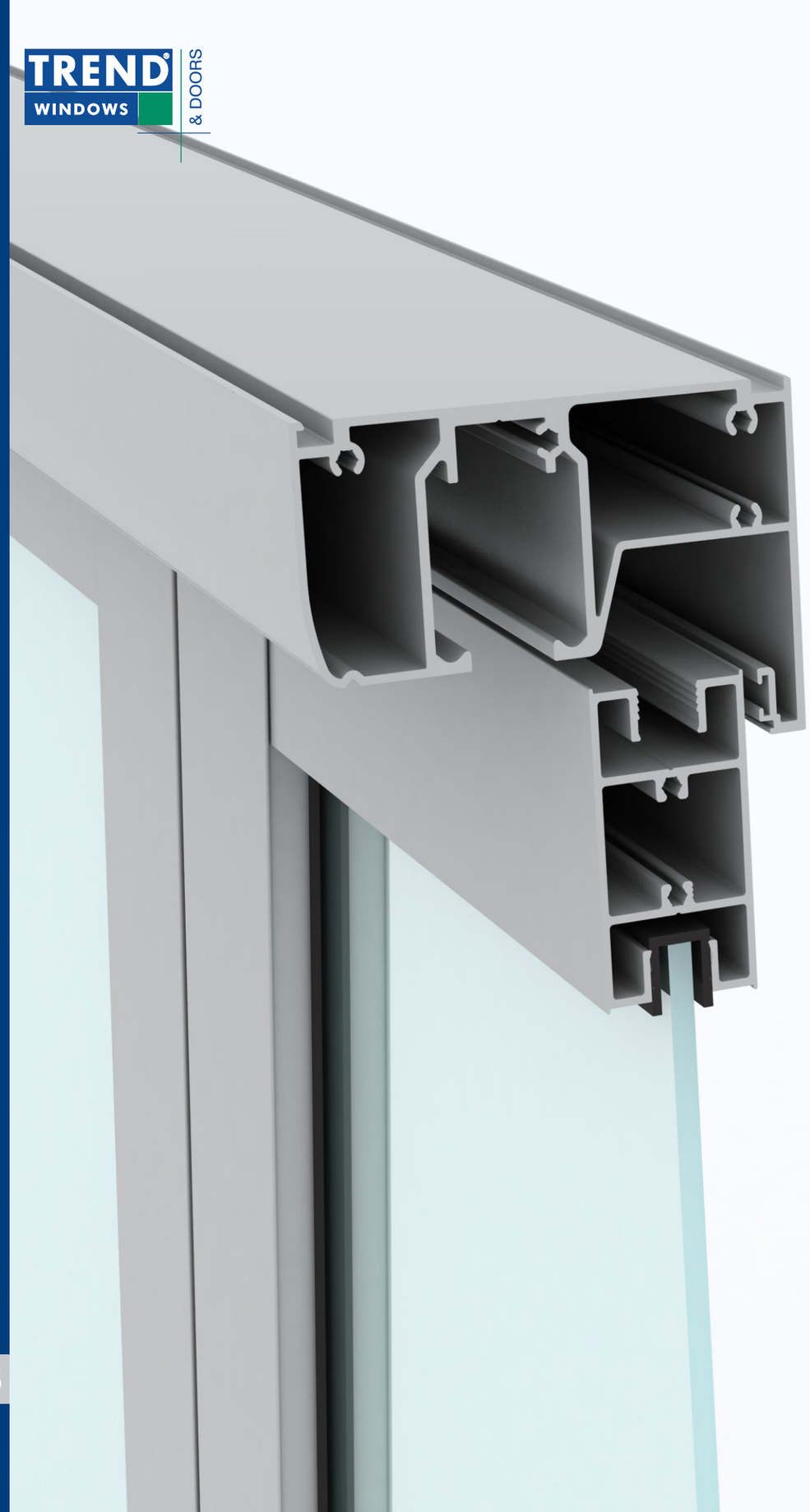
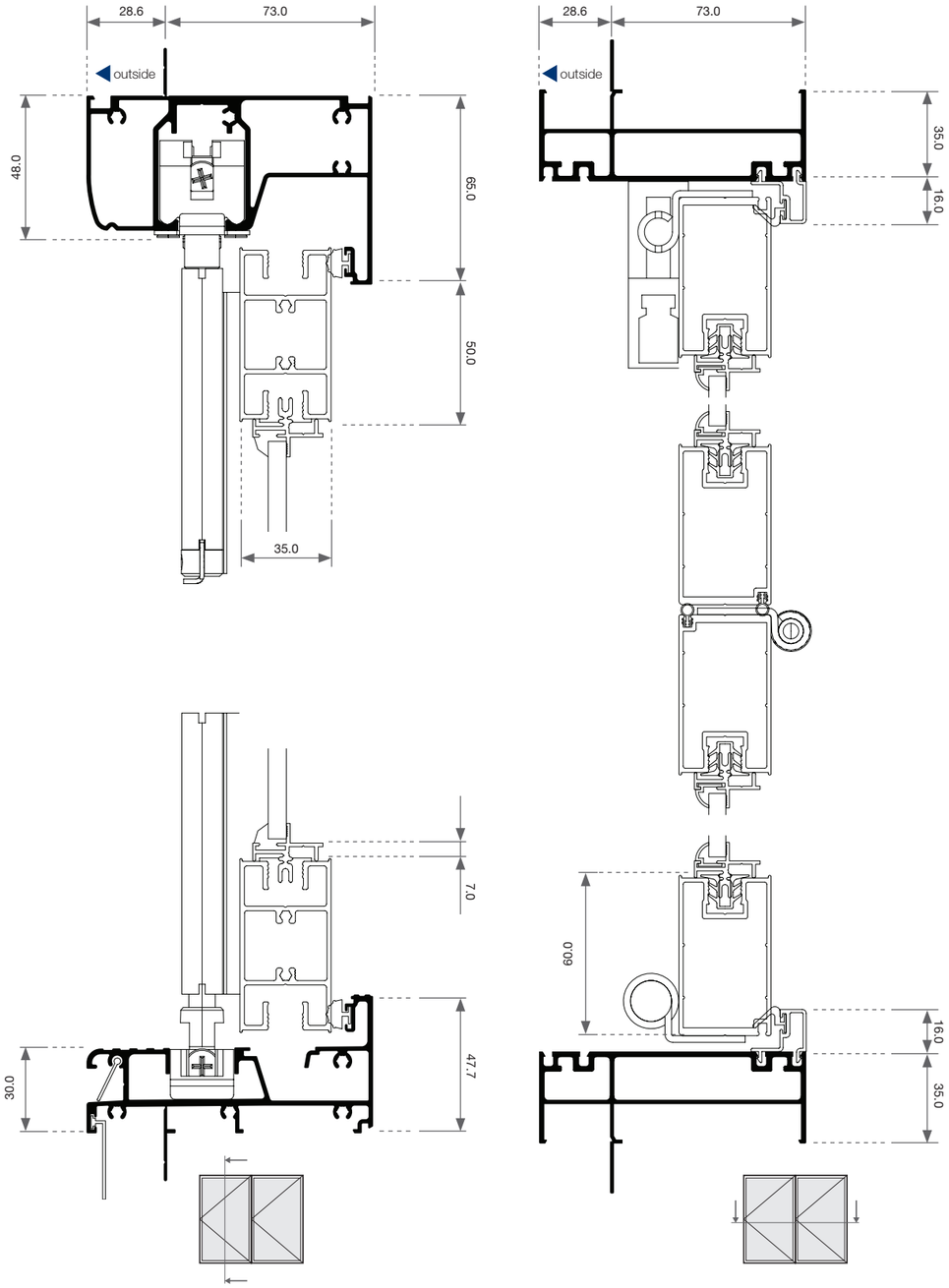


Quantum® Bifold Window

Cross Sectional Views

Bifold Window - Cross Sectional View

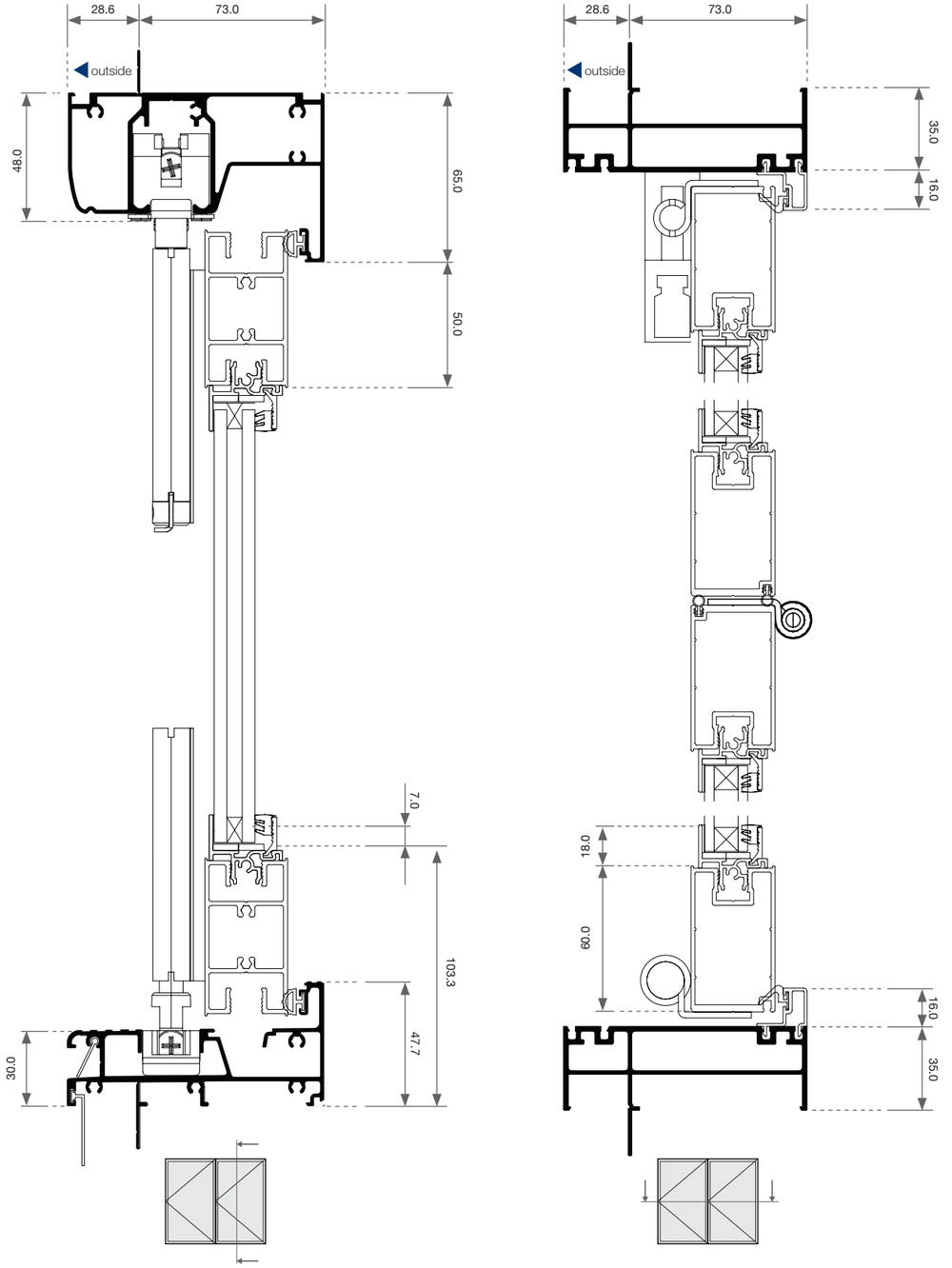
Two Lite



Please note that drawings displayed are not to scale

Bifold Window - Cross Sectional View

Two Lite | Double Glazed



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Quantum® Sliding Door

Features & Benefits

FRAME

- Robust 102mm semi commercial aluminium door frame.
- Combine with windows or can be used in integrated with Trend®'s Crestlite® commercial applications.

PANELS

- 50mm wide aluminium door panel sash section.
- Individual panels can measure up to 2700mm high and 1500mm wide.
- Panels can be reversed*.
- Operating panels are removable - by lifting the sash up into the head.
- Panel punched holes are fitted with infill caps.
- Heavy duty double bogey roller system.
- Five types of interlockers are available.

*Striker holes in jamb will be visible.

SILL

- Aluminium threshold features the Easyrider sill which is ideal for wheelchair access.
- Protected rolling track – an extruded aluminium splayed threshold protects both glass door and fly door rolling tracks.

GLAZING & ENERGY EFFICIENCY

- All Trend® Windows and Doors comply with Australian Standards AS1288.
- Glazing options from 4mm single glazed to 18mm insulated glazed units (IGUs).
- Available in a range of glazing options.
- Safety Grade “A” toughened glass as standard.
- 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 are designed to meet and surpass 700Pa wind velocity rating and 150Pa water penetration rating and comply with Australian Standards AS2047.
- Pascal deflection rates up to 2200Pa.
- Sliding Door rated at an air infiltration of 1.33L/s m^2 .

Please note that drawings displayed are not to scale

Sliding Door - Features & Benefits

SECURITY

- Dead lock supplied as standard.
- Optional barrier, security and ***Prowler Proof*** 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

- ***Infinity*** Satin Chrome hardware supplied as standard**
- Optional Slimline and Dura handles are available
- Optional colours available are:
  - Pearl White
  - Stone Beige
  - Anodic Natural Matt
  - Gloss Black
- Door locks can be keyed alike to other Quantum® door products for ease of use.
- Heavy duty dual roller system.

***Infinity “D” handle supplied as standard*
(See picture top right hand corner)

BUILD-IN ACCESSORIES

- 180° non-load bearing couplers.
- 135° non-load bearing corner couplers.
- 100mm aluminium architraves for replacement door installations.
- Adjustable storm mould.
- Extruded aluminium 180° mullion covers to hide load bearing posts.

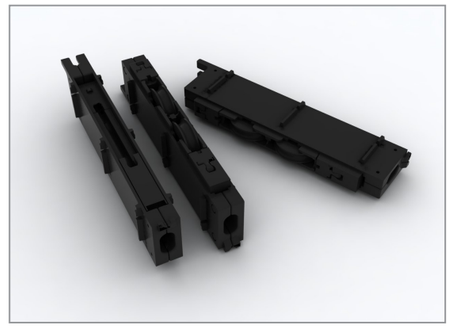
OPTIONS

- Glazing options also available in bar layout styles:
  - Colonial
  - Federation
  - Ovolo glazing bar style*
- Wide range of powder coating colours.
- Customised WERS ratings.
- Variety of sizes and custom made options available.
- Variety of configuration options available.

**Ovolo only available in single glazing.*

DELIVERY

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



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Quantum® Sliding Door

Installation

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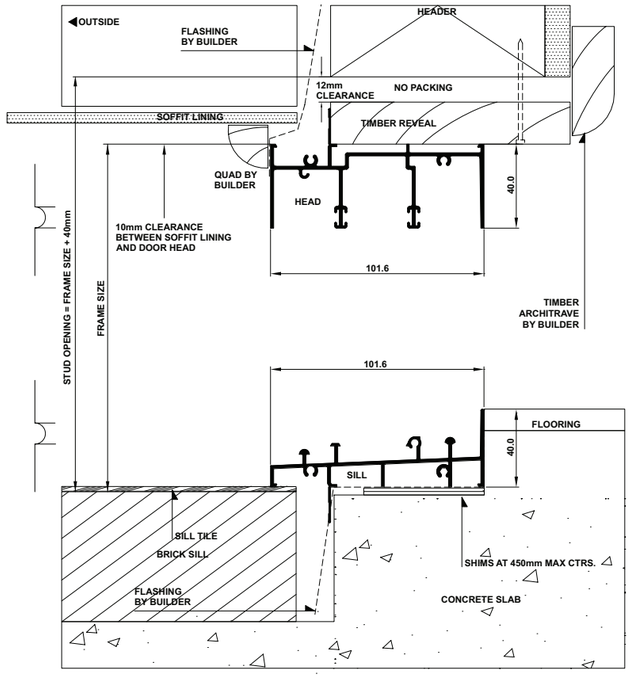
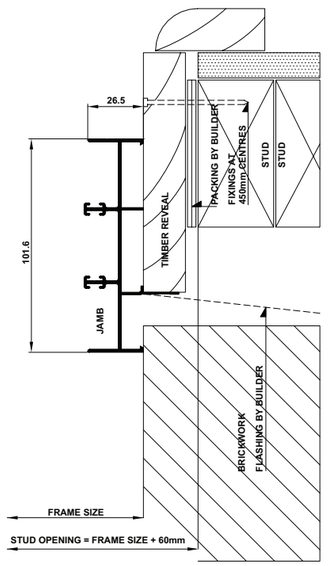
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
Width = Frame Size + 60mm

- Secure aluminum door by nailing through reveal into studwork - fixing at 450mm maximum centres.
- Sill bricks should be at least 10mm clear of door frame to allow settlement in brick veneer construction.
- Header beam should be at least 12mm clear of door 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 doors, sill must be fully supported.
- Ensure outside finish does not block sill drainage holes.





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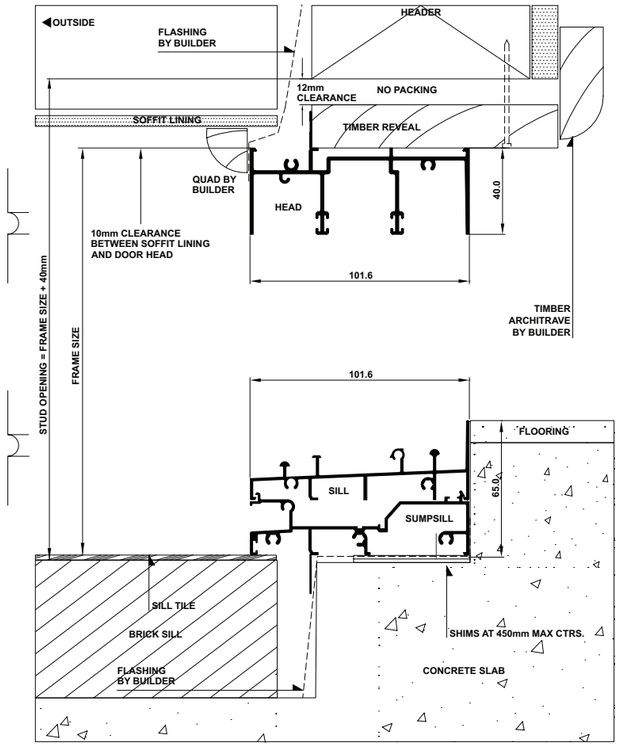
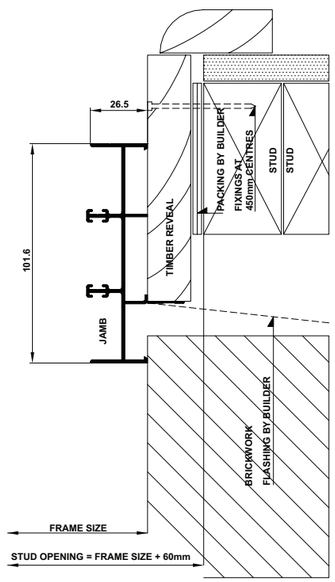
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
Width = Frame Size + 60mm

- Secure aluminum door by nailing through reveal into studwork - fixing at 450mm maximum centres.
- Sill bricks should be at least 10mm clear of door frame to allow settlement in brick veneer construction.
- Header beam should be at least 12mm clear of door 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 doors, sill must be fully supported.
- Ensure outside finish does not block sill drainage holes.





Please note that drawings displayed are not to scale

Sliding Door - Installation

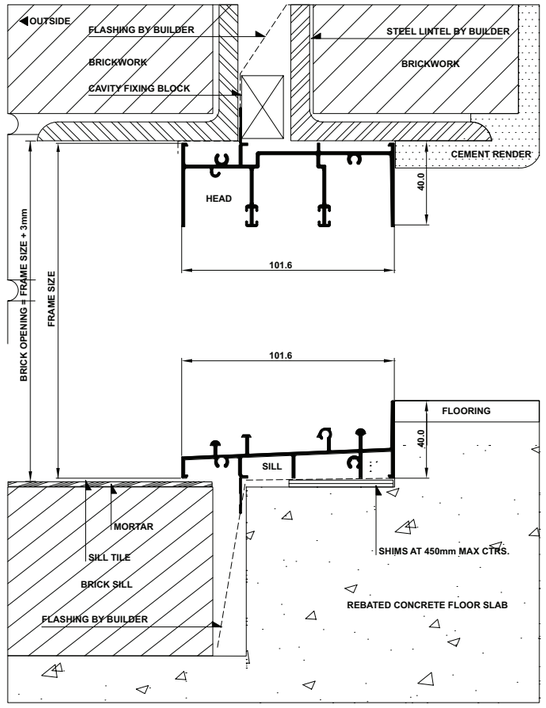
Building In Detail | **Double Brick - 280mm wall**

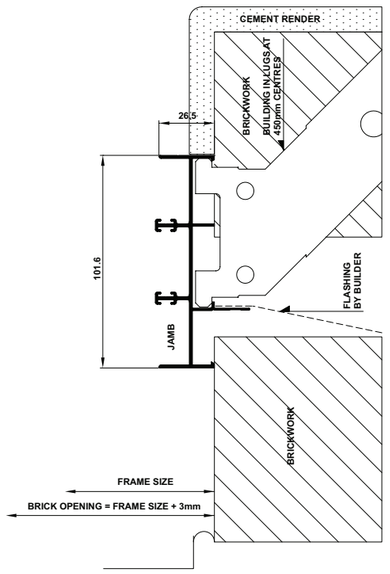
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 doors using building lug into mortor - fixing at 50mm max centres
- Sill bricks should be at least10 mm 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 doors, sill must be fully supported.
- Ensure outside finish does not block sill drainage holes.





Please note that drawings displayed are not to scale

Sliding Door - Installation

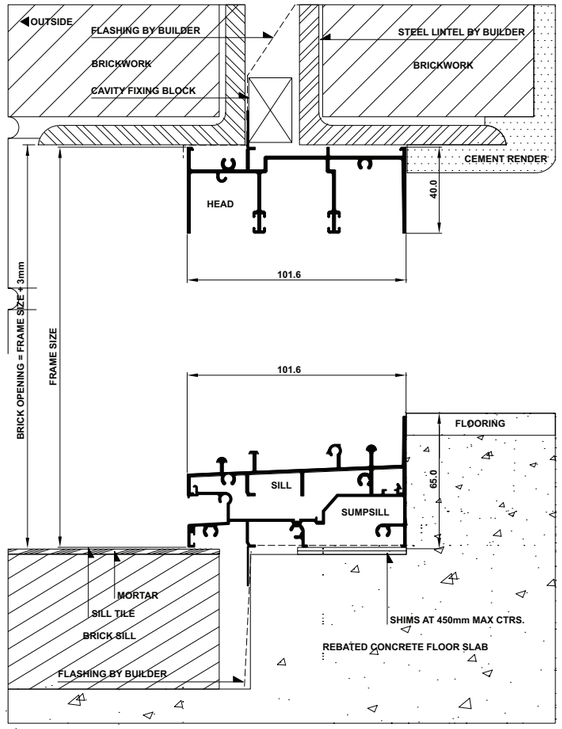
Building In Detail | **Double Brick - 280mm wall | Sump Sill**

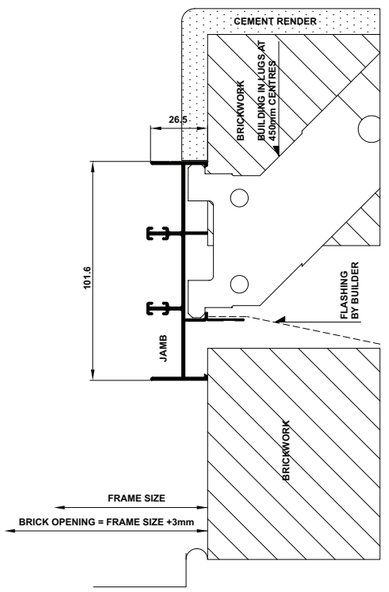
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 doors using building lug into mortor - fixing at 450mm max centres
- Sill bricks should be at least10 mm 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.)**
- Ensure outside finish does not block sill drainage holes.





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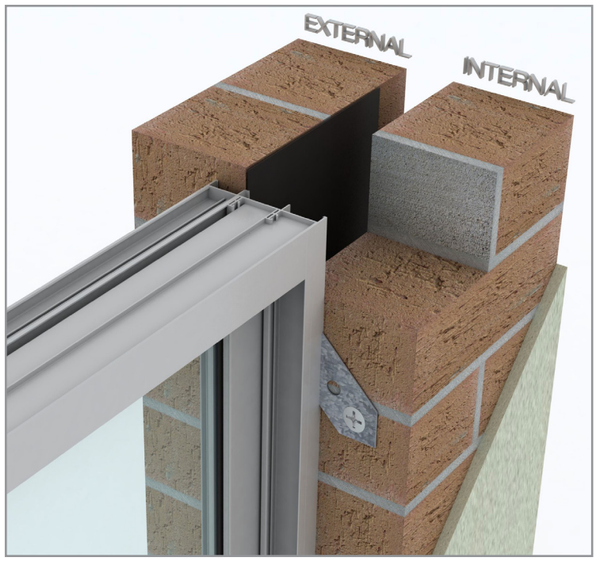
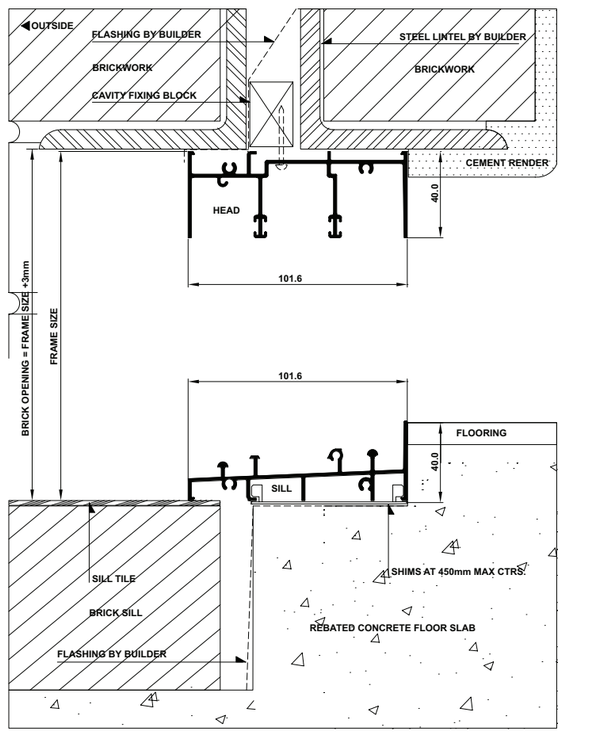


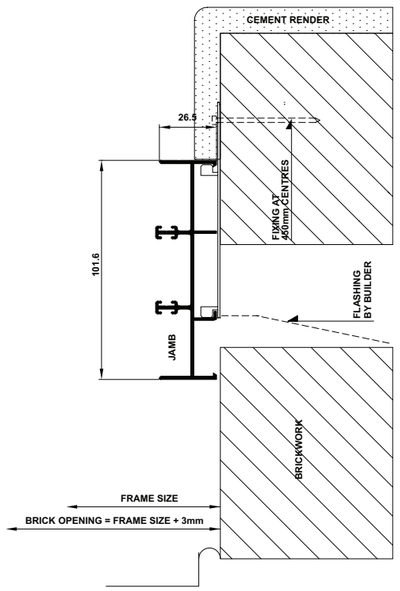
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 doors using building lug into mortor - fixing at 450mm max centres
- Sill bricks should be at least10 mm 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 doors, sill must be fully supported.
- Ensure outside finish does not block sill drainage holes.





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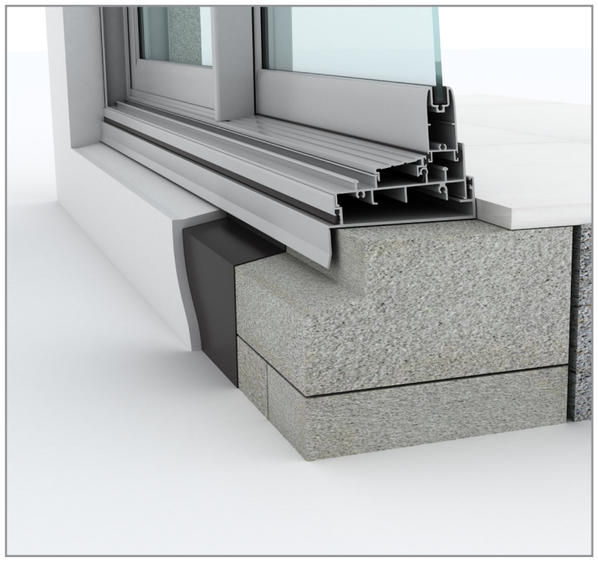
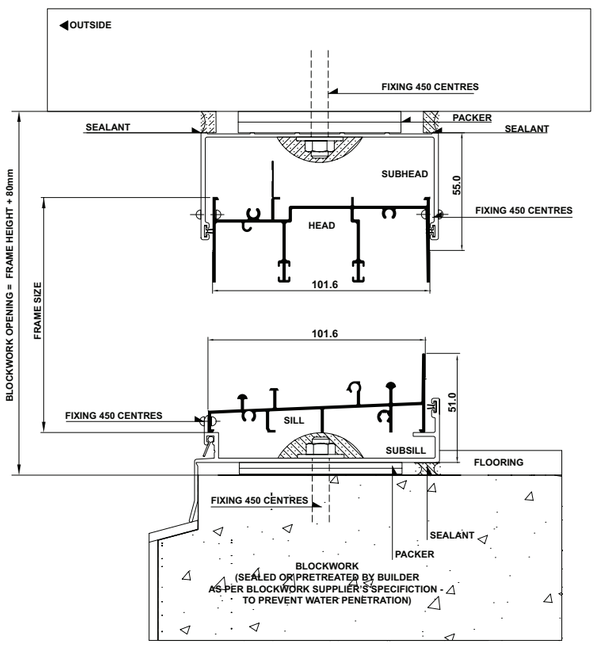


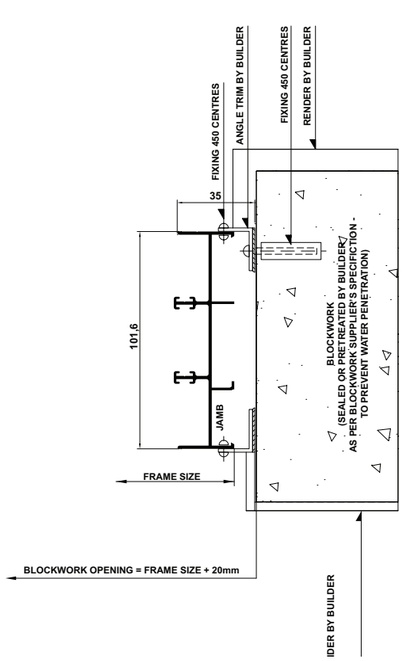
INSTALLING FRAME CORRECTLY

- 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.
- 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.)**
- To ensure the satisfactory long term performance of doors, sill must be fully supported.
- Ensure outside finish does not block sill drainage holes.





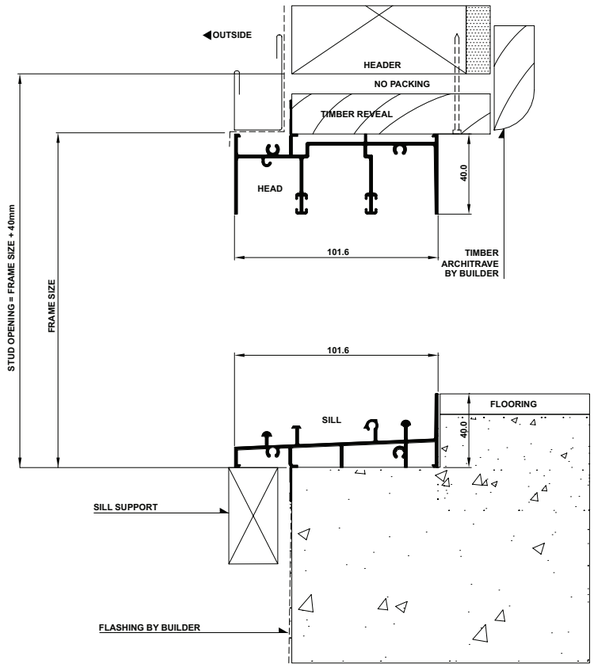
Please note that drawings displayed are not to scale

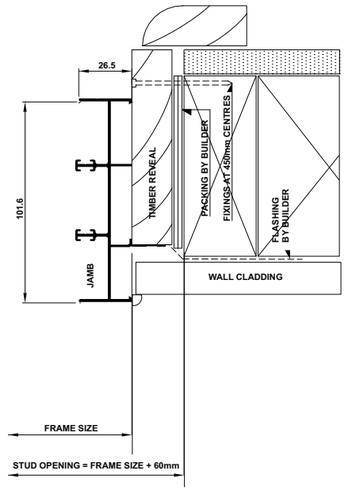
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
Width = Frame Size + 60mm

- Secure aluminum door 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.)**
- To ensure the satisfactory long term performance of doors, install sill support (refer to drawings below).
- Ensure outside finish does not block sill drainage holes.





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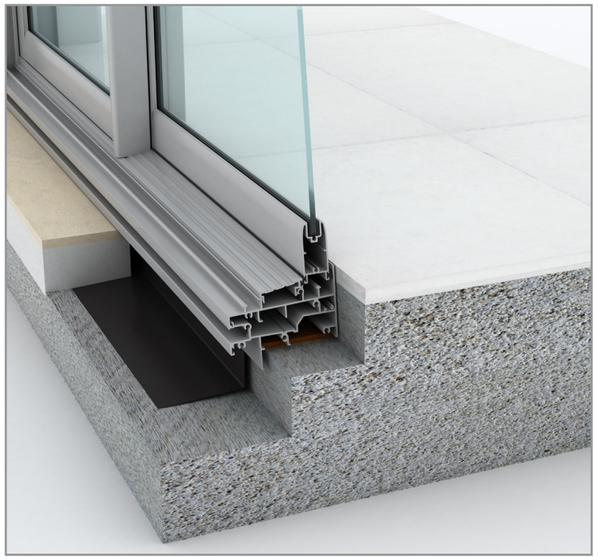

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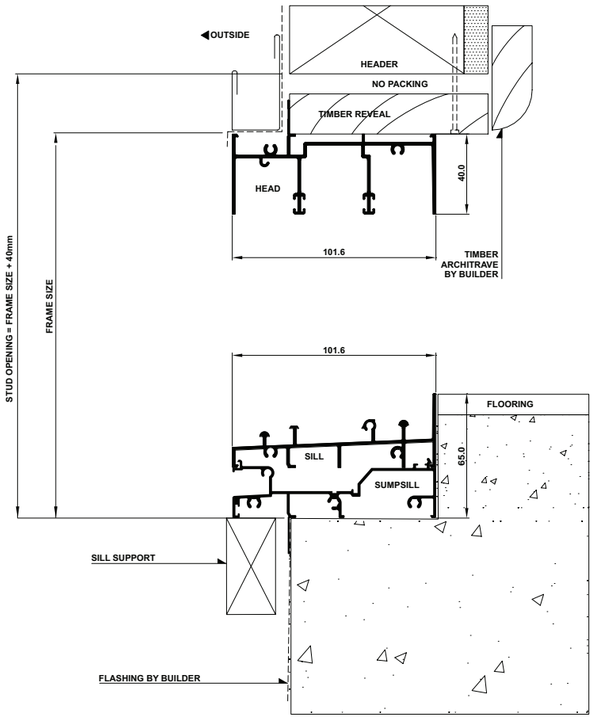

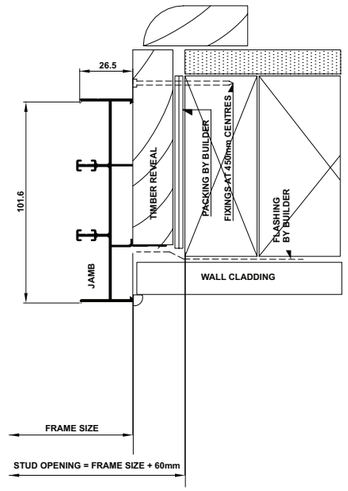

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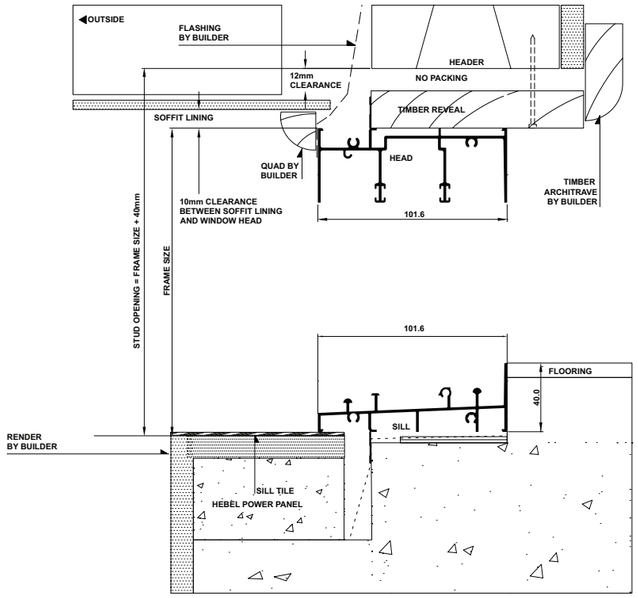
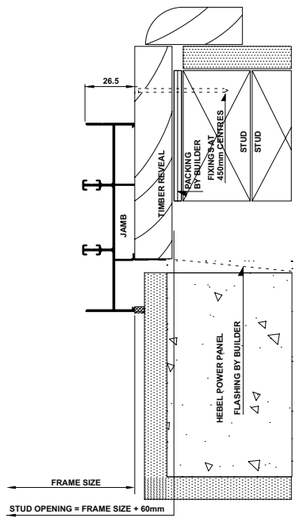
- Caulking between render and frame
- To ensure the satisfactory long term performance of doors, sill must be fully supported.
- Ensure outside finish does not block sill drainage holes





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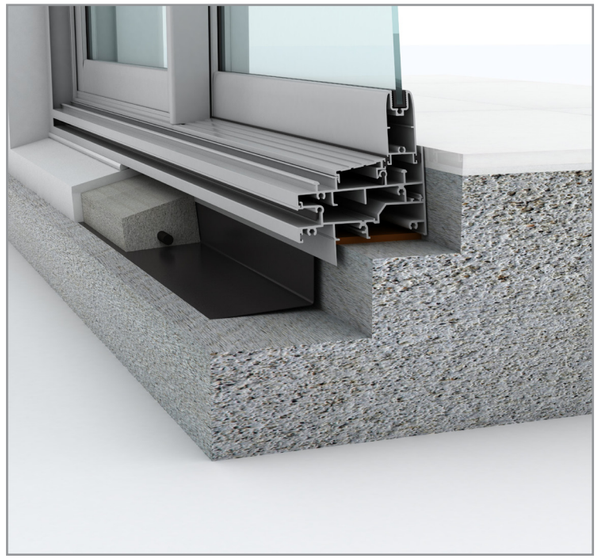

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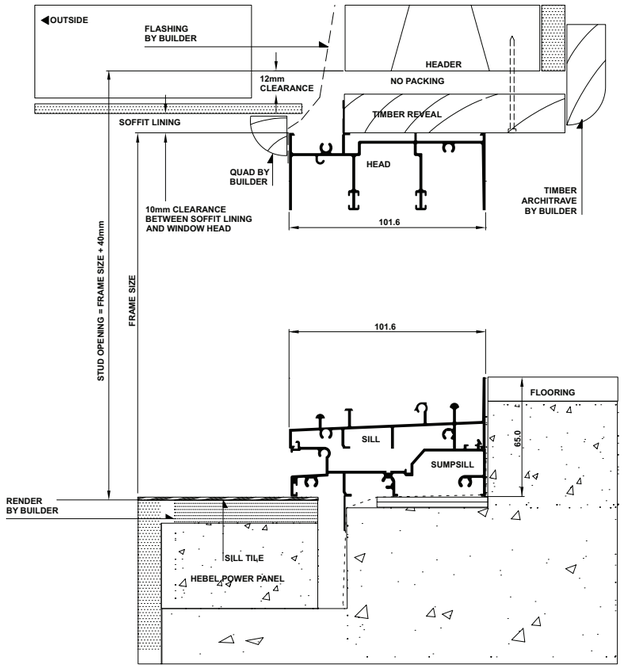
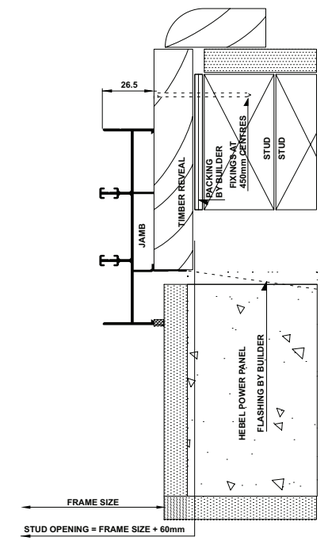
- Ensure outside finish does not block sill drainage holes





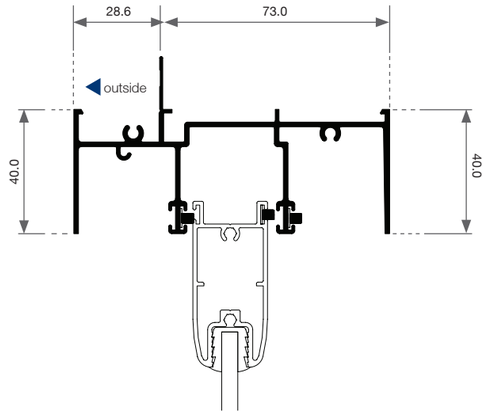
Please note that drawings displayed are not to scale

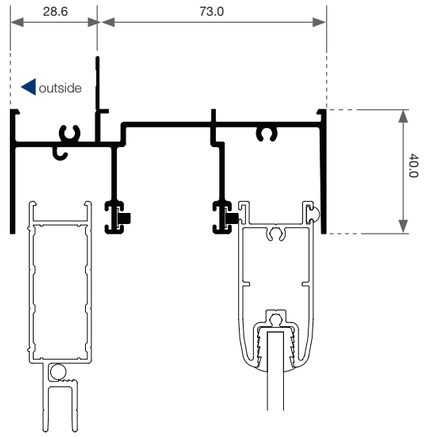
Quantum® Sliding Door

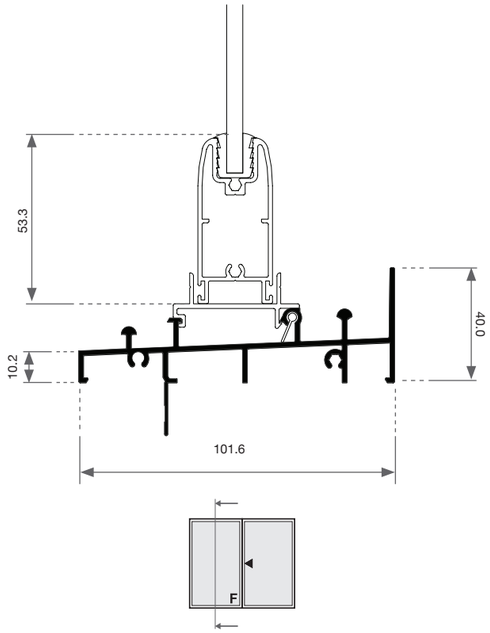
Cross Sectional Views

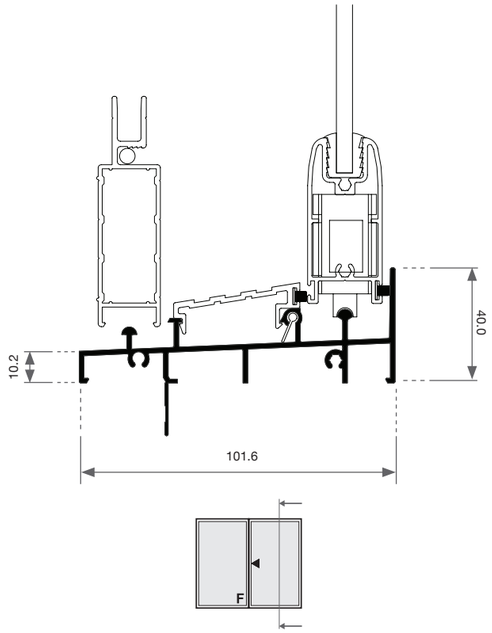
Sliding Door - Cross Sectional View

Two Panel | FX









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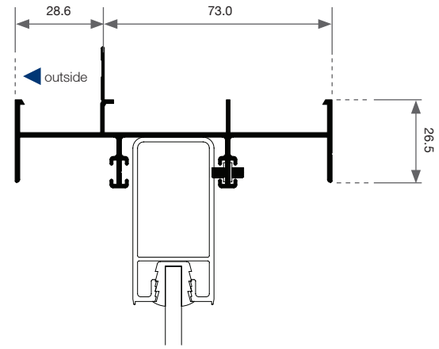
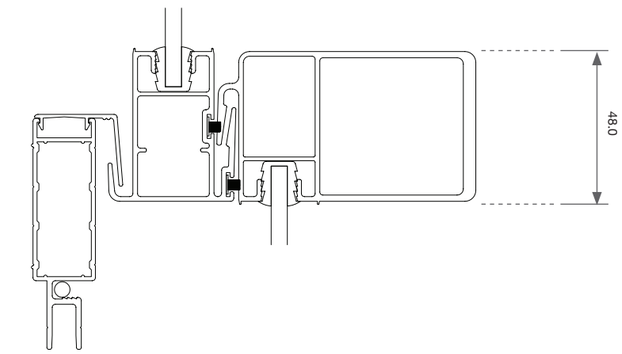
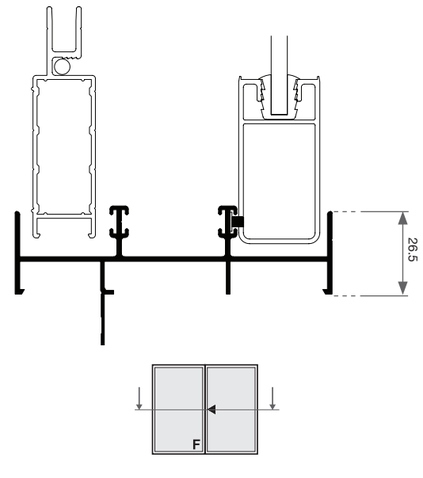
Sliding Door - Cross Sectional View

Two Panel | FX







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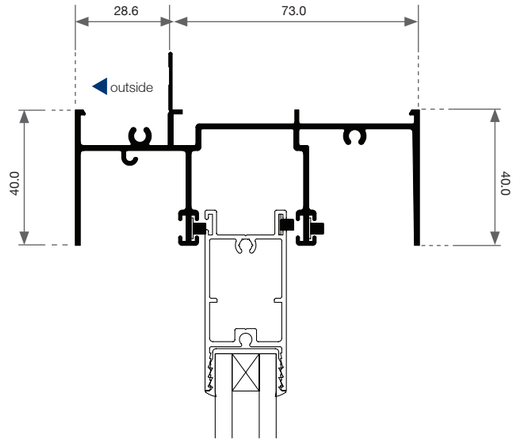
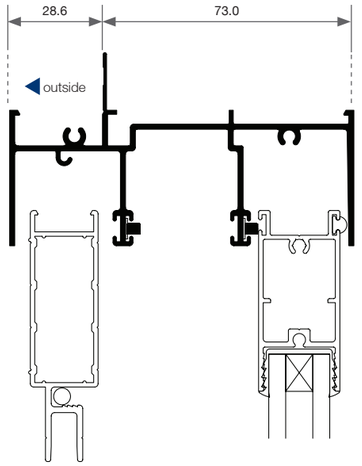
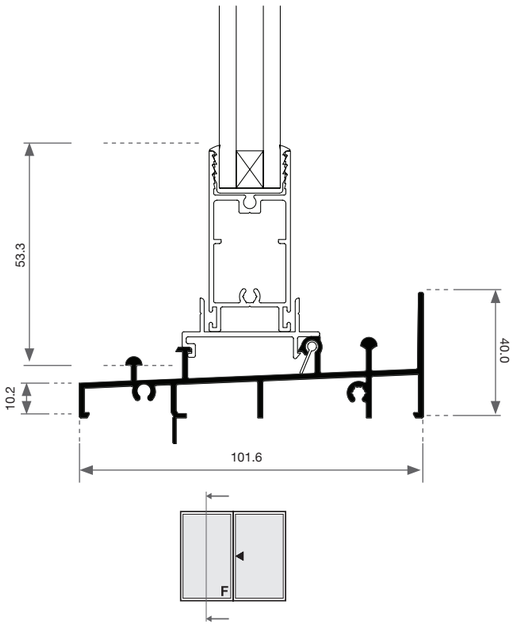
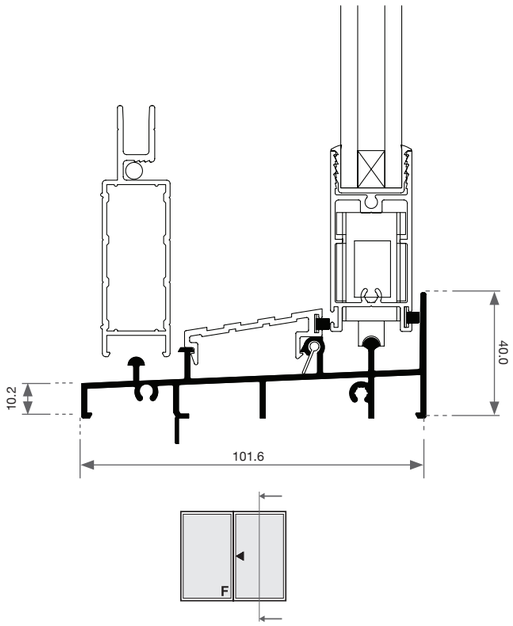
Sliding Door - Cross Sectional View

Two Panel | FX | Double Glazed





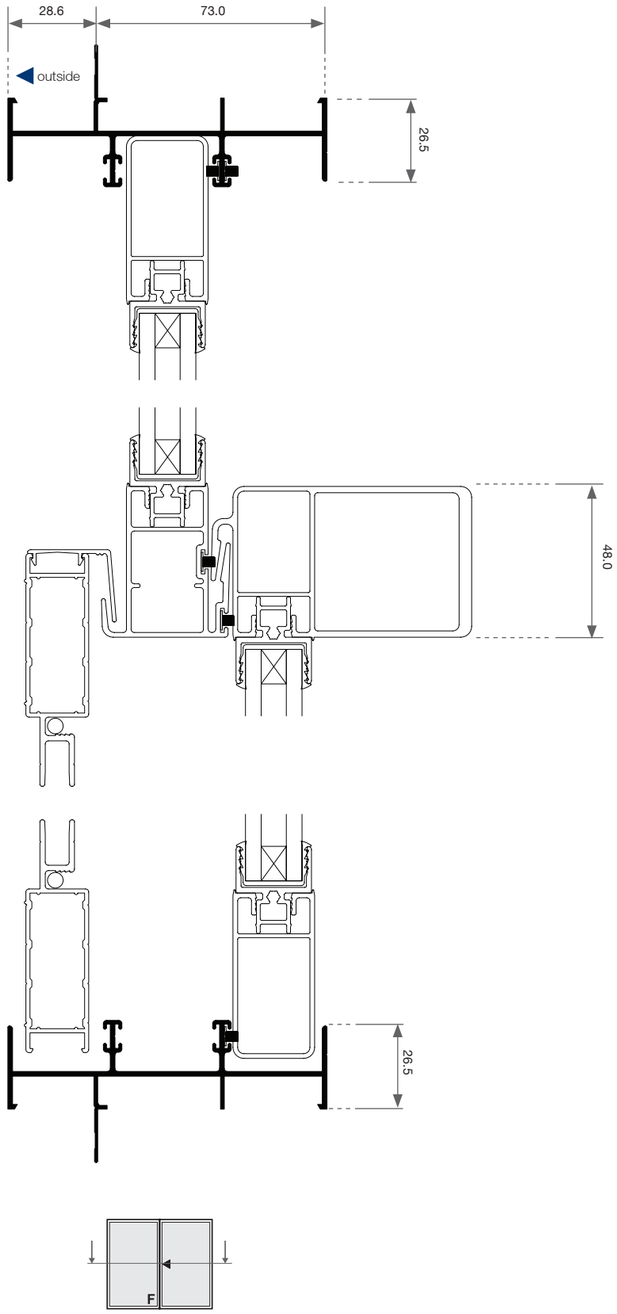




Please note that drawings displayed are not to scale

Sliding Door - Cross Sectional View

Two Panel | FX | Double Glazed



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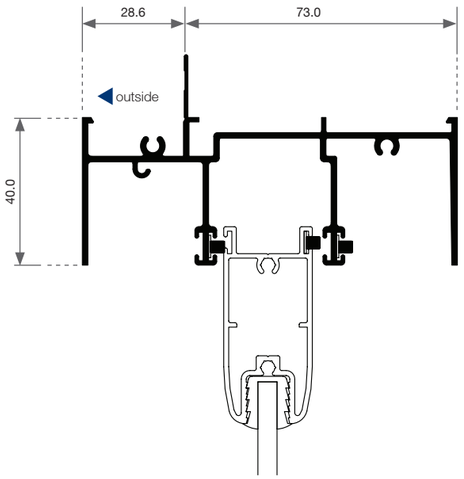
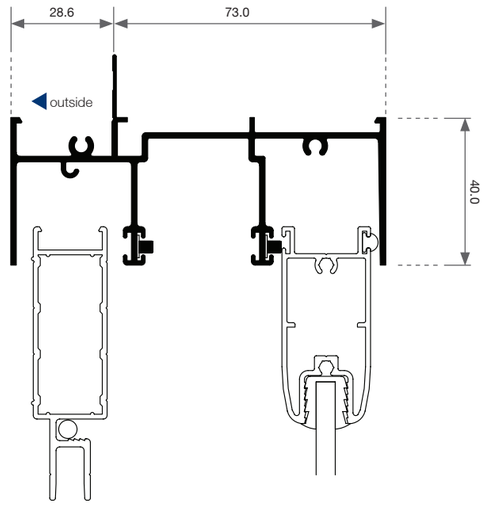
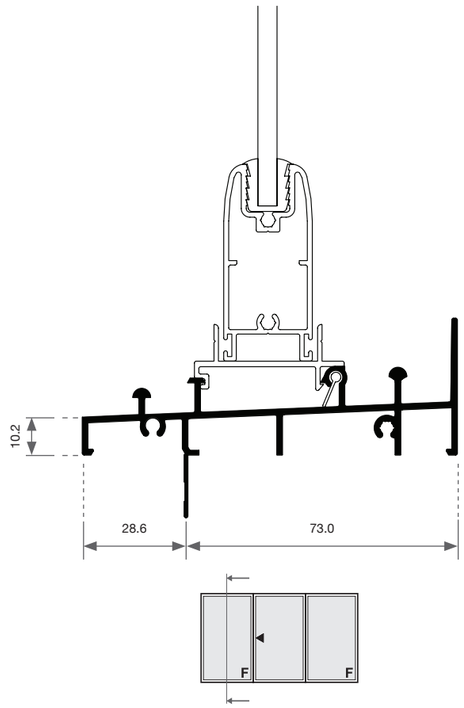
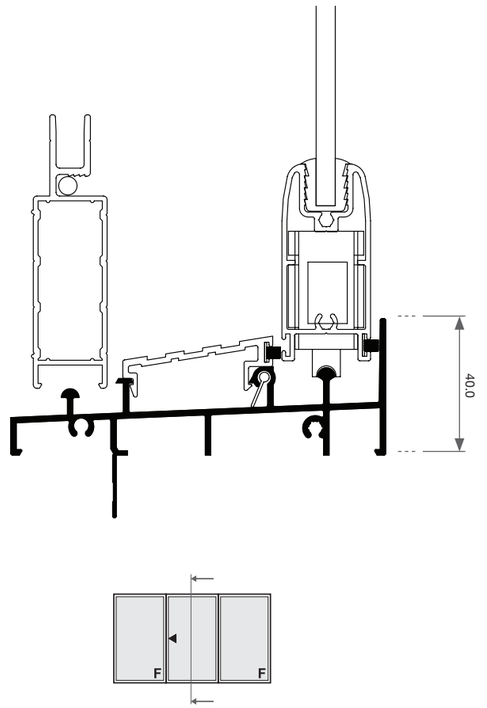
Sliding Door - Cross Sectional View

Three Panel | FXF









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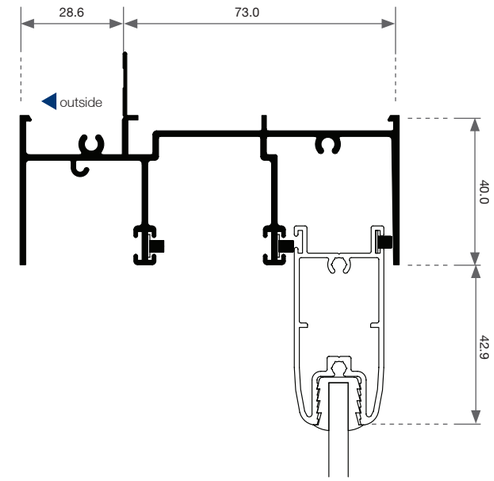
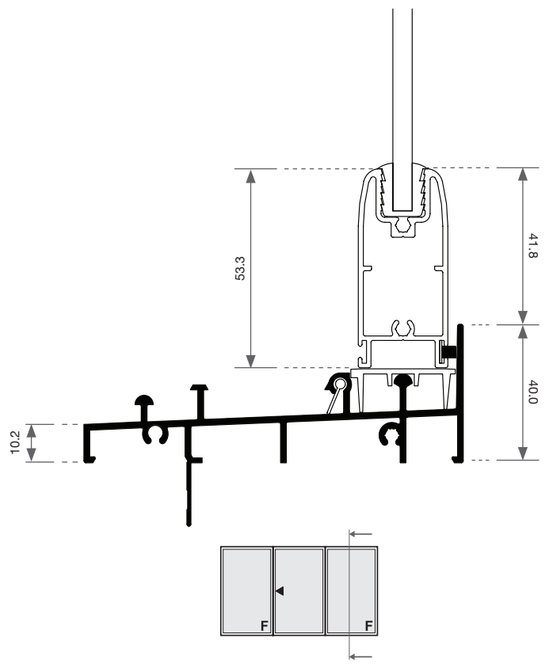
Sliding Door - Cross Sectional View

Three Panel | FXF





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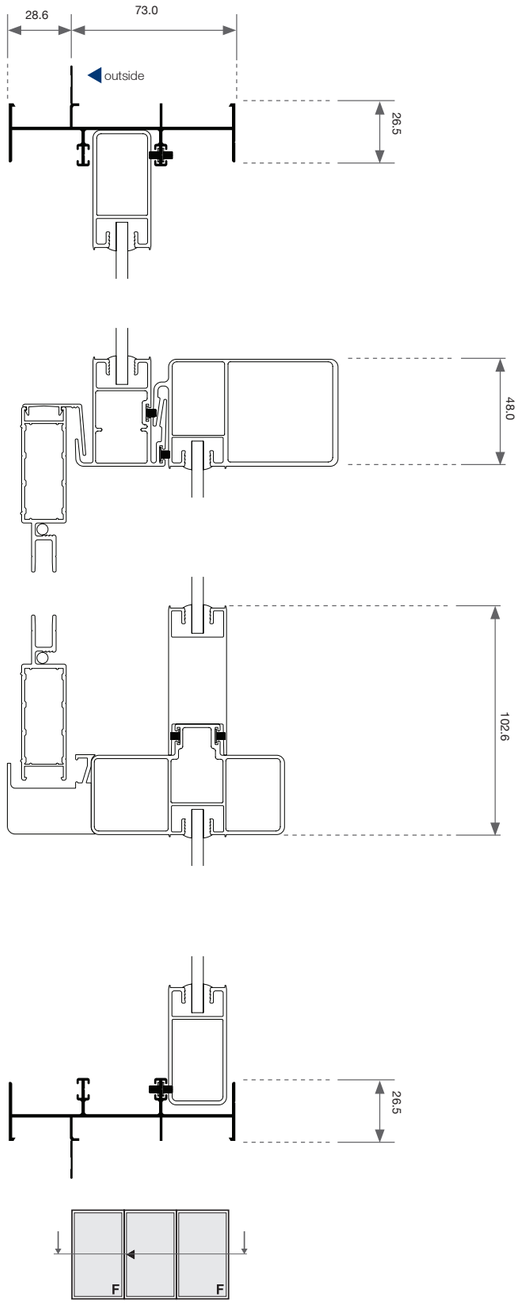
Sliding Door - Cross Sectional View

Three Panel | FXF



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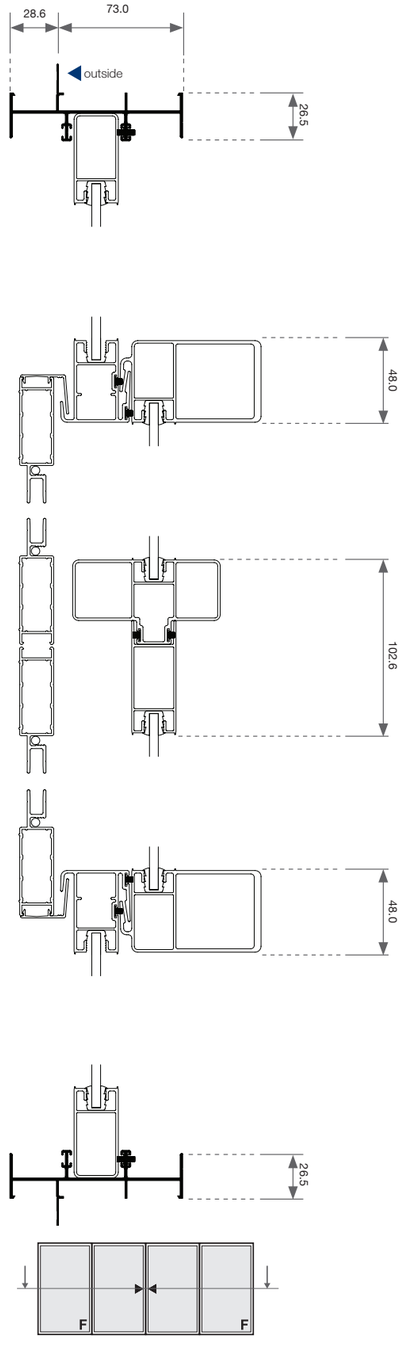
Sliding Door - Cross Sectional View

Four Panel | FXXF



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Quantum® Sliding Stacker Door

Features & Benefits

FRAME

- Robust 102mm semi commercial aluminium door frame (160mm with flyscreen tracks).
- Combine with windows or can be used in integrated with Trend®'s Crestlite® commercial applications.

Note: If Sliding Stacker Door has a screen track it cannot be coupled with other Quantum products.

PANELS

- 50mm wide aluminium door panel sash section.
- Individual panels can measure up to 2700mm high and 1500mm wide.
- Head, sill and jamb all have infills for clean lines
- Panels can be reversed*.
- Operating panels are removable - by lifting the panel up into the head.
- Panel punched holes are fitted with infill caps.
- Heavy duty double bogey roller system.
- Five types of interlockers are available.

*Striker holes in jamb will be visible.

SILL

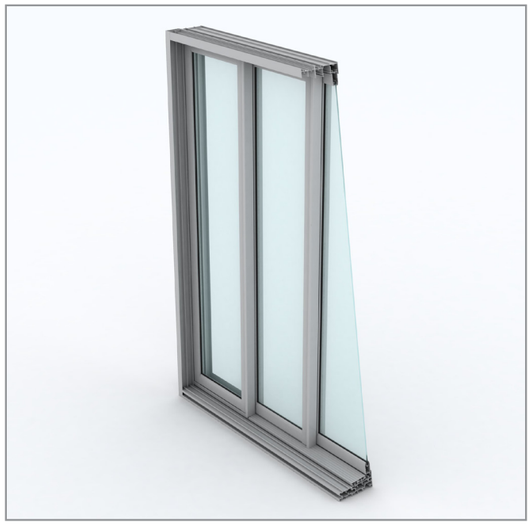
- Aluminium threshold features the ***Easyrider*** sill which is ideal for wheelchair access.
- Protected rolling track – an extruded aluminium splayed threshold protects both glass door and fly door rolling tracks.
- Easy fit adaptor for flyscreens available.

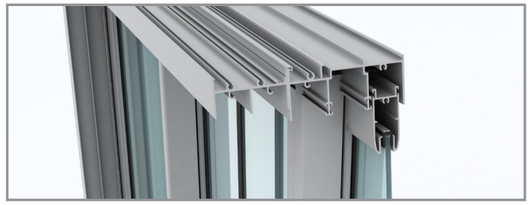
GLAZING & ENERGY EFFICIENCY

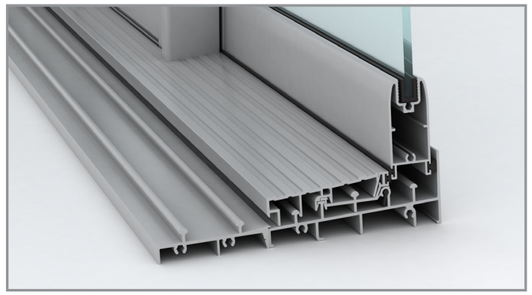
- All Trend® Windows and Doors comply with Australian Standards AS1288.
- Glazing options from 4mm single glazed to 18mm insulated glazed units (IGUs) .
- Safety Grade “A” toughened glass as option.
- Available in a range of glazing options.
- Energy efficiency options available to help reduce home energy 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 RATINGS

- All Trend® Windows and Doors are designed to meet and surpass 700Pa wind velocity rating and 150Pa water penetration rating and comply with Australian Standards AS2047.
- Pascal deflection rates up to 2200Pa.
- Sliding Stacker Door rated at an air infiltration of 1.33L/s m^2 .

Please note that drawings displayed are not to scale

Sliding Stacker Door - Features & Benefits

SECURITY

- Dead lock supplied as standard.
- Optional security, barrier and ***Prowler Proof*** 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

- ***Infinity*** Satin Chrome hardware supplied as standard**
- Optional Slimline and Dura handles are available
- Optional colour available are:
  - Pearl White
  - Stone Beige
  - Anodic Natural Matt
  - Gloss Black
- Door locks can be keyed alike to other Quantum® products for ease of use.
- Heavy duty dual roller system.

***Infinity “D” handle supplied as standard (see picture right).*

BUILD-IN ACCESSORIES

- 180° non-load bearing couplers.
- 135° non-load bearing corner couplers.
- 100mm aluminium architraves for replacement door installations.
- Adjustable storm mould.
- Extruded aluminium 180° mullion covers to hide load bearing posts.

OPTIONS

- Glazing options also available in bar layout styles:
  - Colonial
  - Federation
  - Ovolo glazing bar style*
- Wide range of powder coating colours.
- Customised WERS ratings.
- Variety of sizes and custom made options available.
- Variety of configuration options available.

**Ovolo only available in single glazing.*

DELIVERY

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

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Quantum® Sliding Stacker Door

Installation

Sliding Stacker Door - Installation

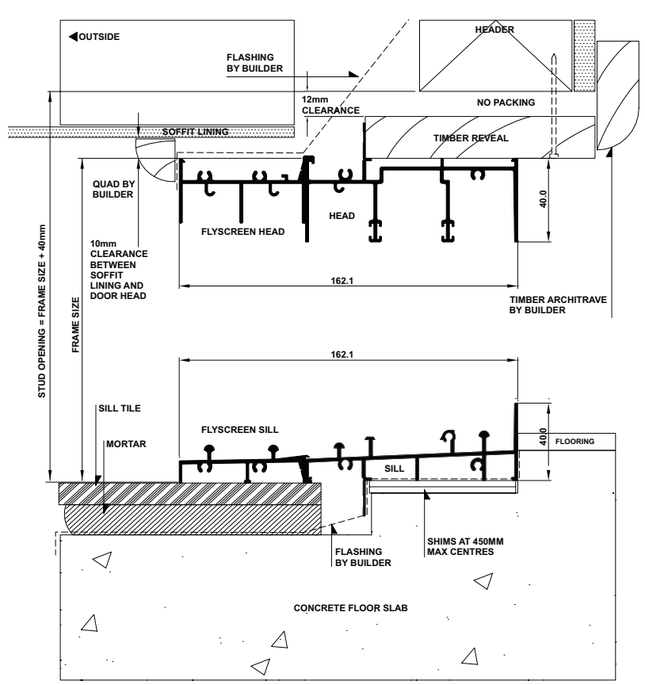
Building In Detail | **Brick Veneer - 240mm wall**

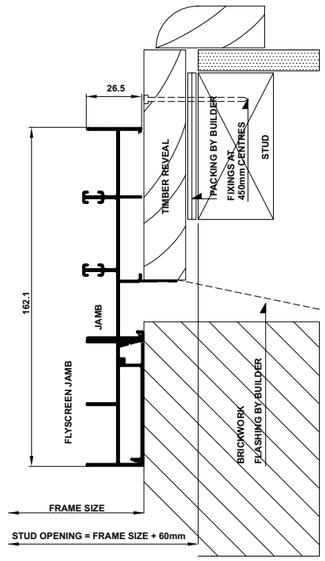
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
Width = Frame Size + 60mm

- Secure aluminum door by nailing through reveal into studwork - fixing at 450mm maximum centres.
- Sill bricks should be at least 10mm clear of door frame to allow settlement in brick veneer construction.
- Header beam should be at least 12mm clear of door 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 doors, sill must be fully supported.
- Ensure outside finish does not block sill drainage holes.





Please note that drawings displayed are not to scale

Sliding Stacker Door - Installation

Building In Detail | **Brick Veneer - 240mm wall | Sump Sill**

INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
Width = Frame Size + 60mm

- Secure aluminum door by nailing through reveal into studwork - fixing at 450mm maximum centres.
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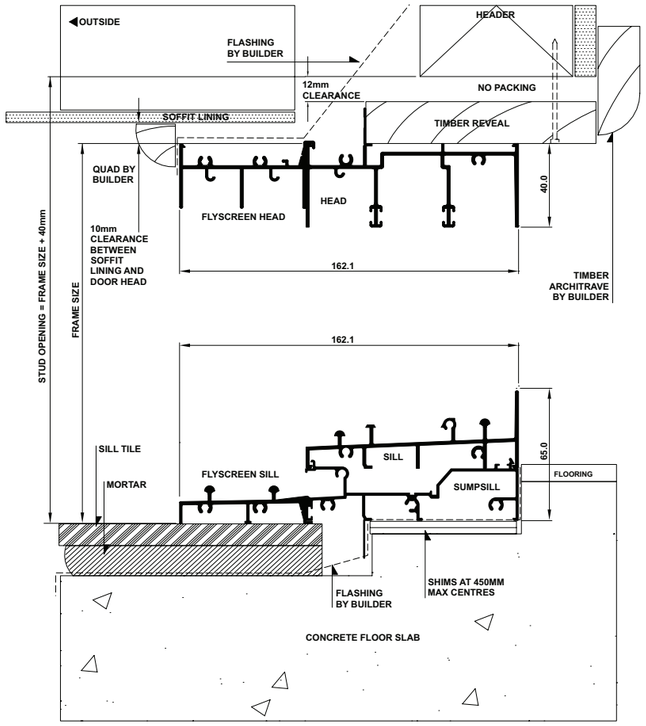

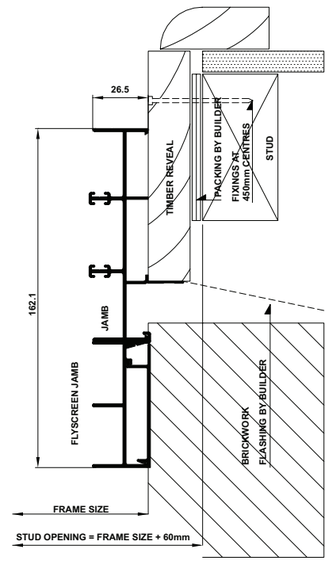

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Sliding Stacker Door - Installation

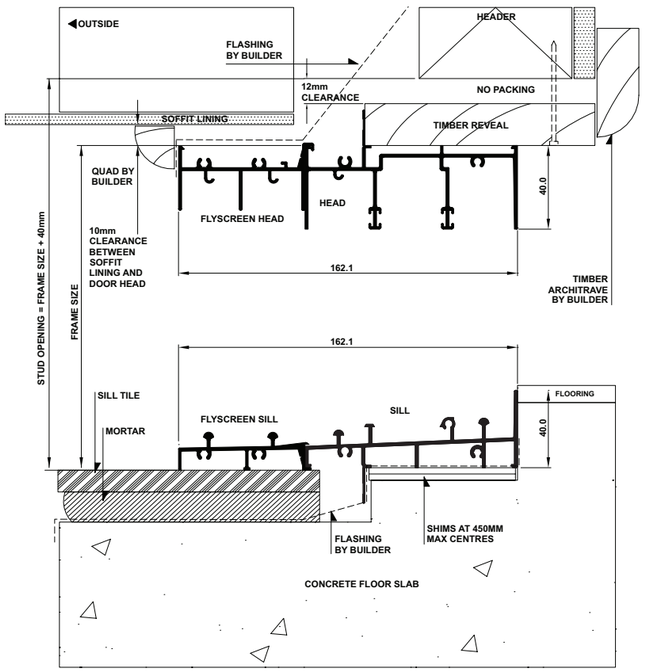
Building In Detail | **Brick Veneer - 240mm wall | Rebated**

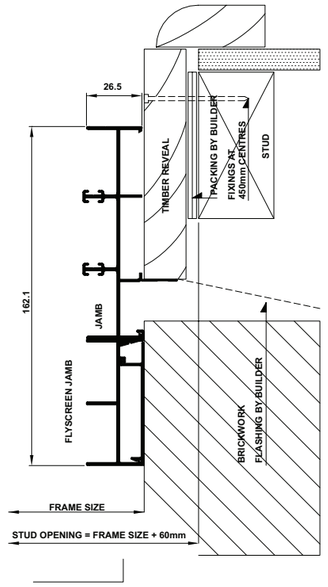
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
  Width = Frame Size + 60mm

- Secure aluminum door by nailing through reveal into studwork - fixing at 450mm maximum centres.
- Sill bricks should be at least 10mm clear of door frame to allow settlement in brick veneer construction.
- Header beam should be at least 12mm clear of door 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 doors, sill must be fully supported.
- Ensure outside finish does not block sill drainage holes.

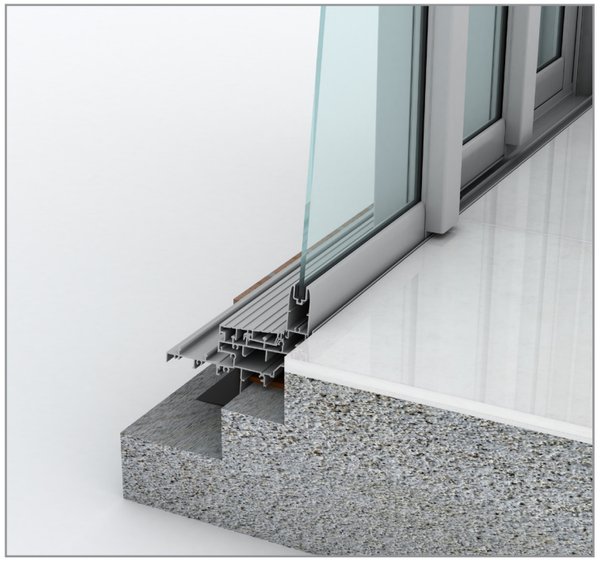




Please note that drawings displayed are not to scale

Sliding Stacker Door - Installation

Building In Detail | **Brick Veneer - 240mm wall | Rebated | Sump Sill**



INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
  Width = Frame Size + 60mm

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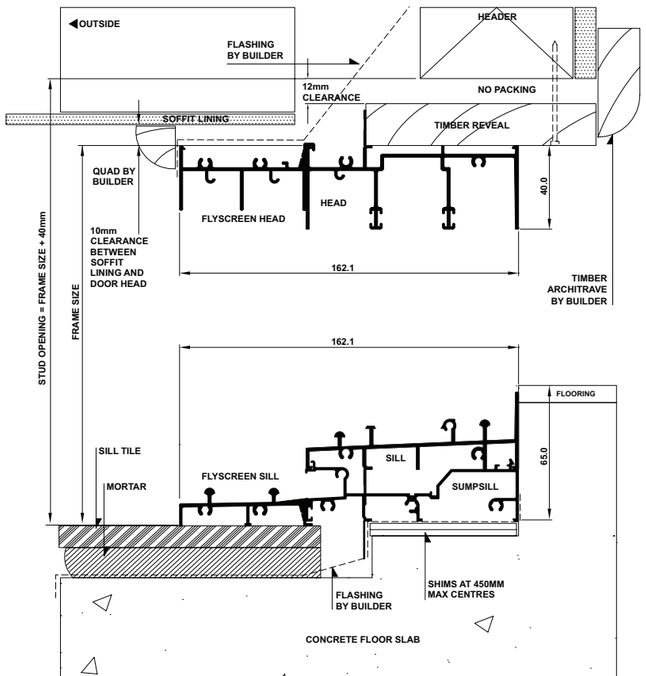

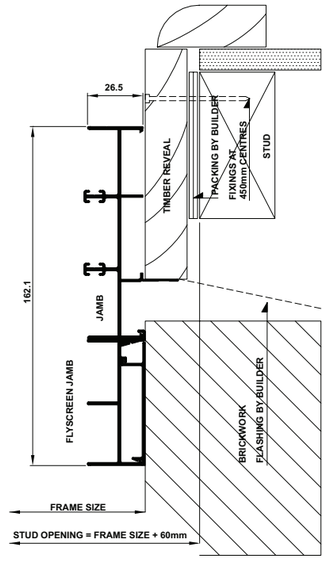

Please note that drawings displayed are not to scale

Sliding Stacker Door - Installation

Building In Detail | **Brick Veneer - 240mm wall | Joists**

INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
  Width = Frame Size + 60mm

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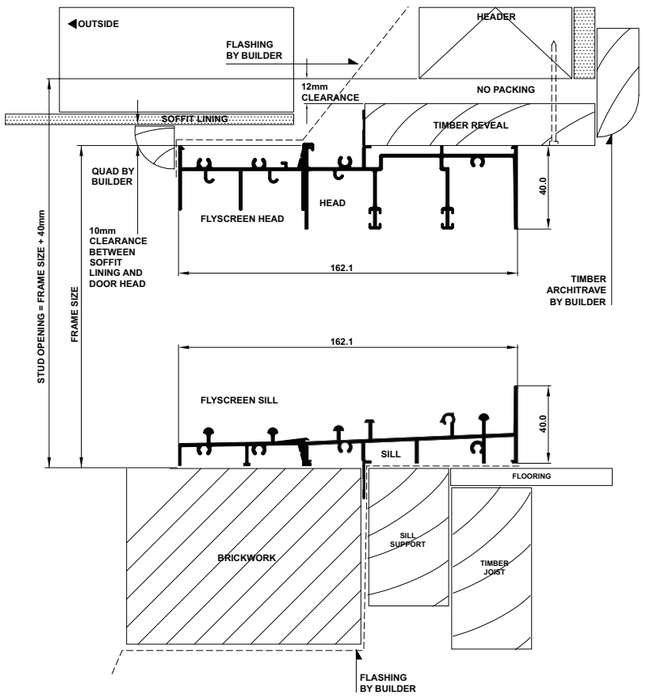
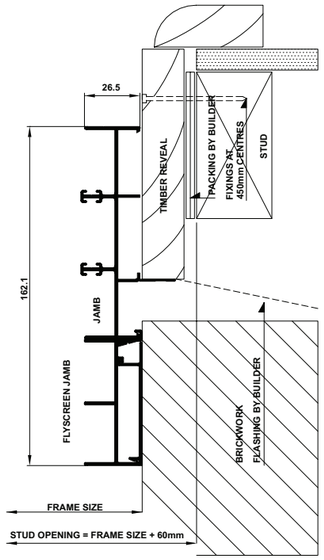
- Header beam should be at least 12mm clear of door frame.
- Do not permit weight of eaves or arch bars to bear on any window or door frame. **(Windows and doors are not load bearing.)**
- To ensure the satisfactory long term performance of door, install sill support (refer to drawings below).
- Ensure outside finish does not block sill drainage holes.





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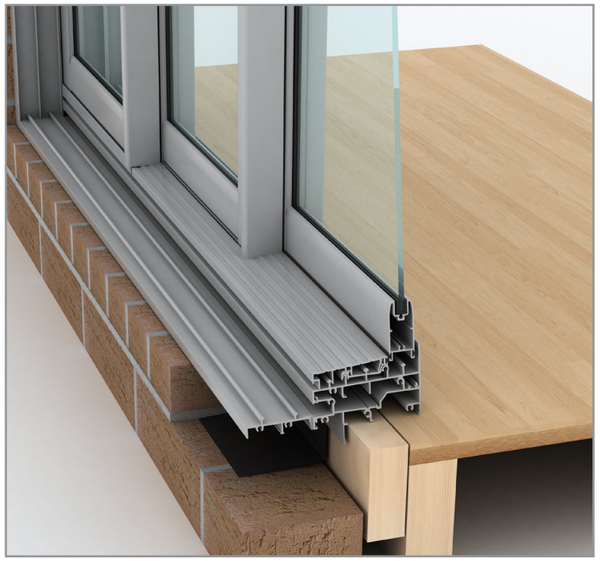
Sliding Stacker Door - Installation

Building In Detail | **Brick Veneer - 240mm wall | Joists | Sump Sill**



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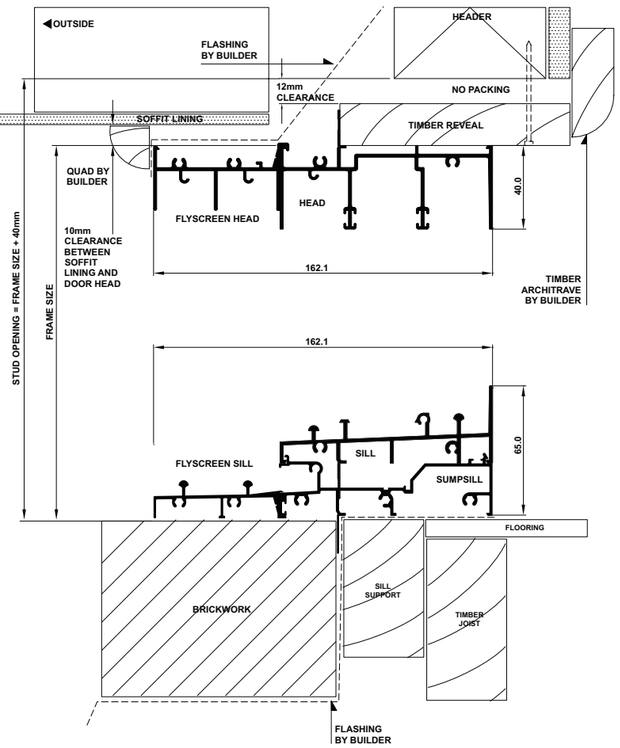

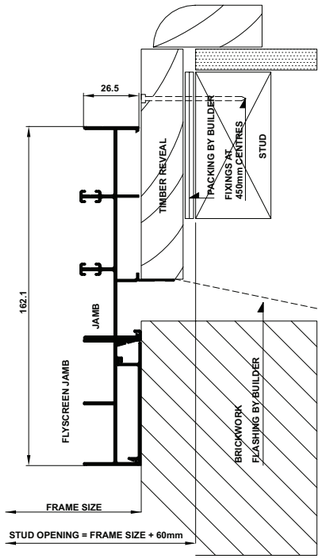

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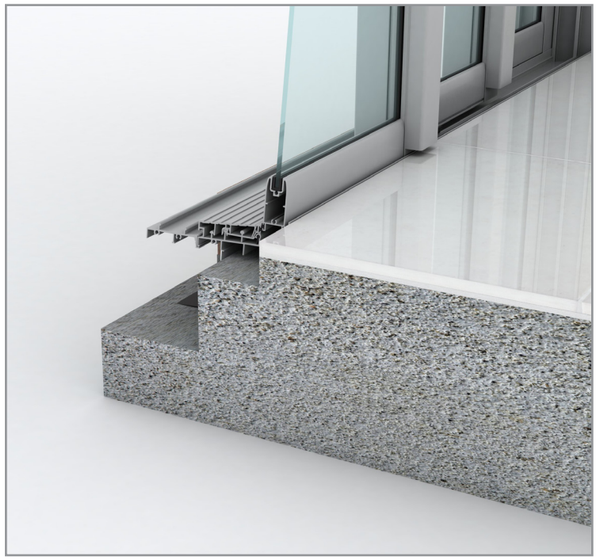
Sliding Stacker Door - Installation

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

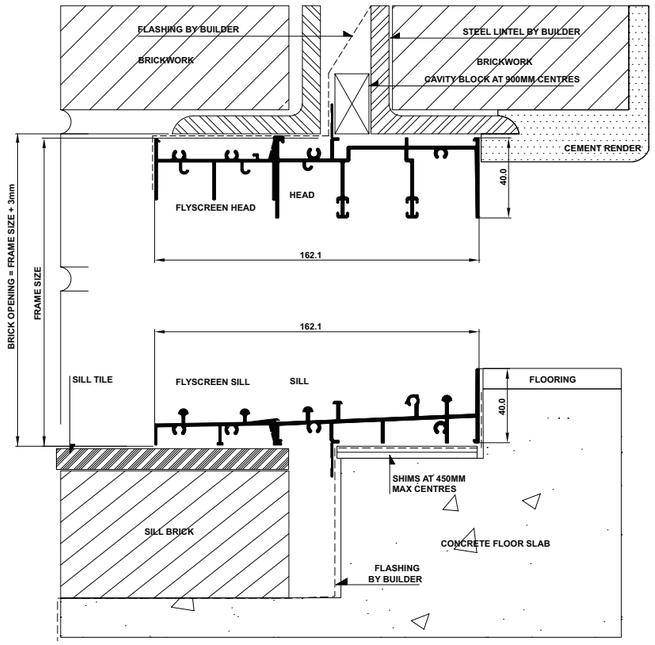


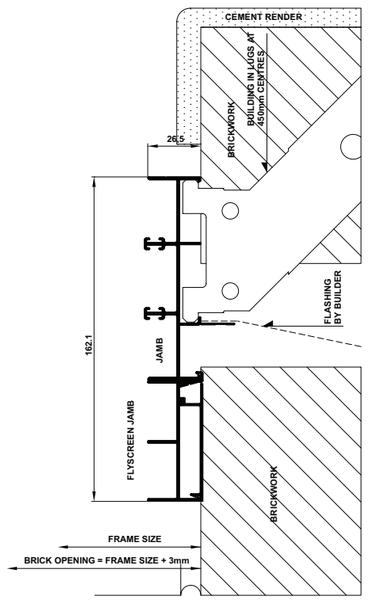
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 doors using building lug into mortor - fixing at 450mm max centres
- Sill bricks should be at least10 mm 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 door, install sill support (refer to drawings below).
- Ensure outside finish does not block sill drainage holes.





Please note that drawings displayed are not to scale

Sliding Stacker Door - Installation

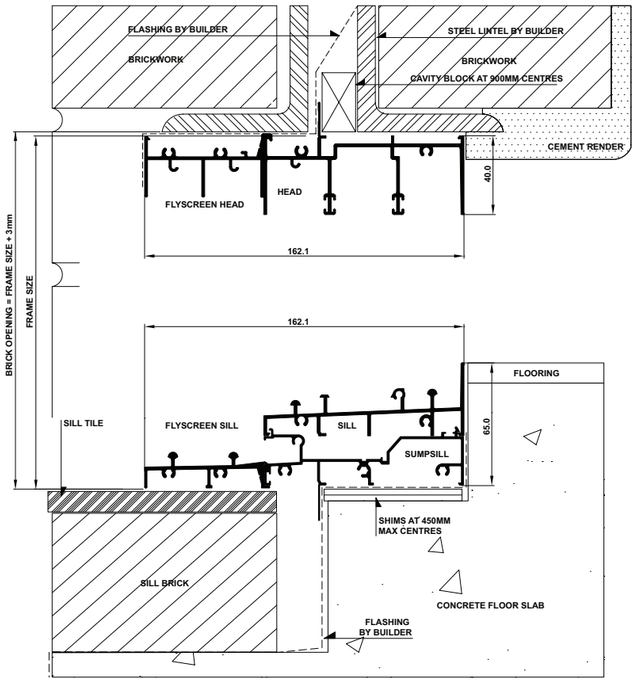
Building In Detail | **Double Brick - 280mm wall | Sump Sill**

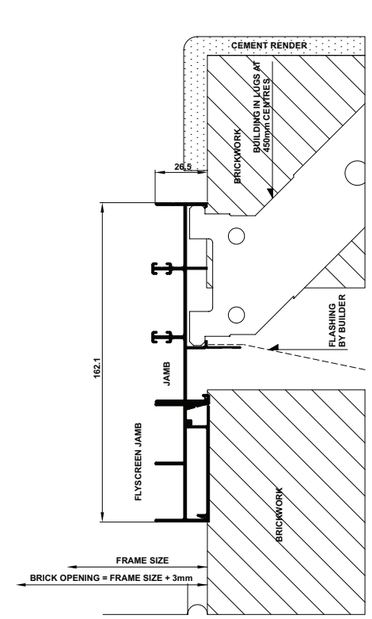
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 doors using building lug into mortor - fixing at 450mm max centres
- Sill bricks should be at least10 mm 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 door, install sill support (refer to drawings below).
- Ensure outside finish does not block sill drainage holes.





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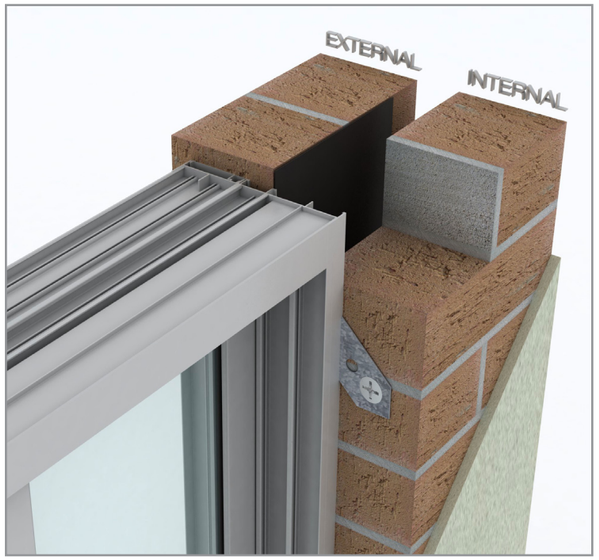
Sliding Stacker Door - Installation

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

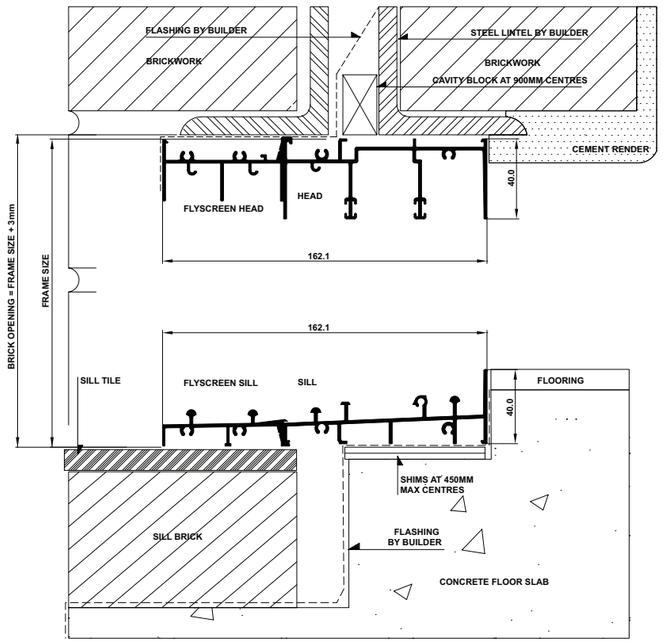


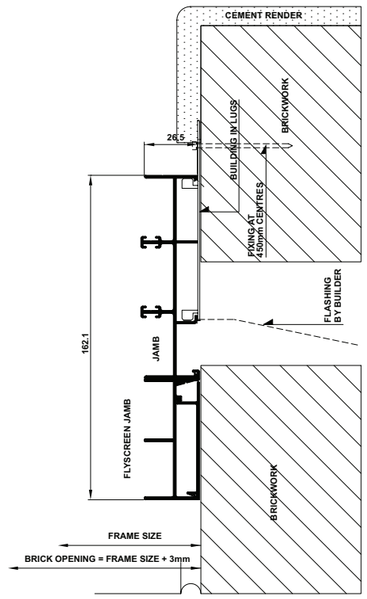
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 doors using building lug into mortor - fixing at 450mm max centres
- Sill bricks should be at least10 mm 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.)**
- Ensure outside finish does not block sill drainage holes.

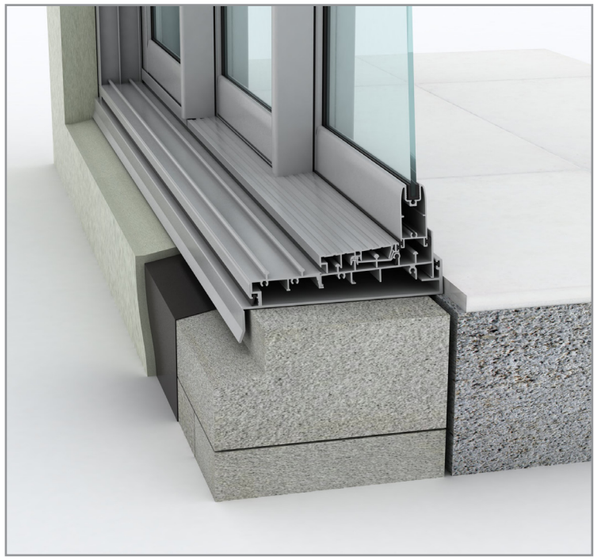




Please note that drawings displayed are not to scale

Sliding Stacker Door - Installation

Building In Detail | **Blockwork**

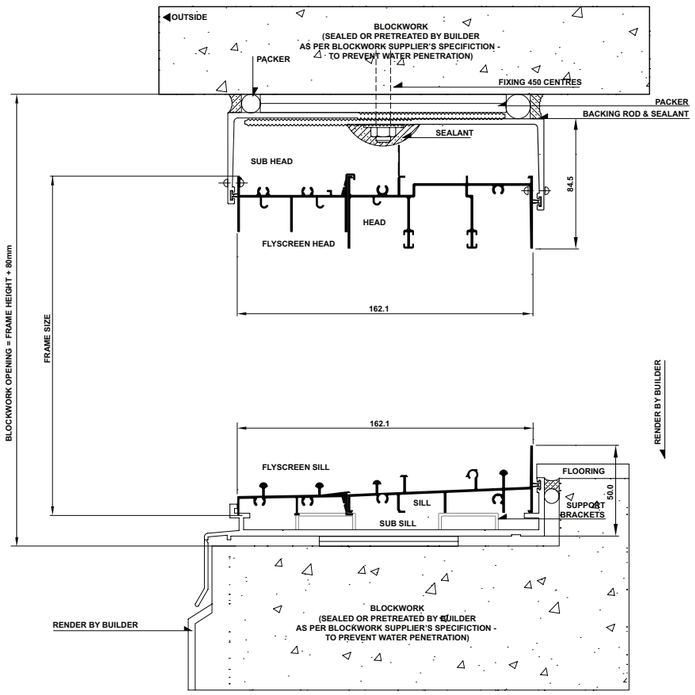


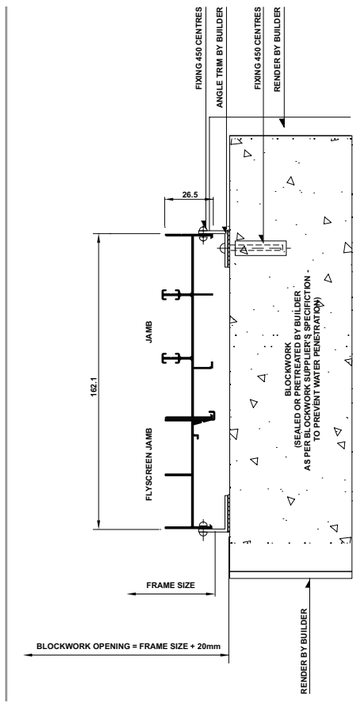
INSTALLING FRAME CORRECTLY

- 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.
- 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.)**
- To ensure the satisfactory long term performance of window, install sill support (refer to drawings below).
- Ensure outside finish does not block sill drainage holes.





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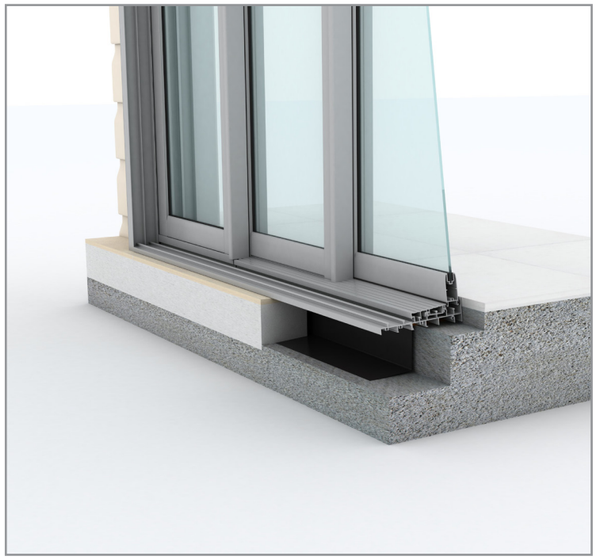
Sliding Stacker Door - Installation

Building In Detail | **Cladding on Studwall**

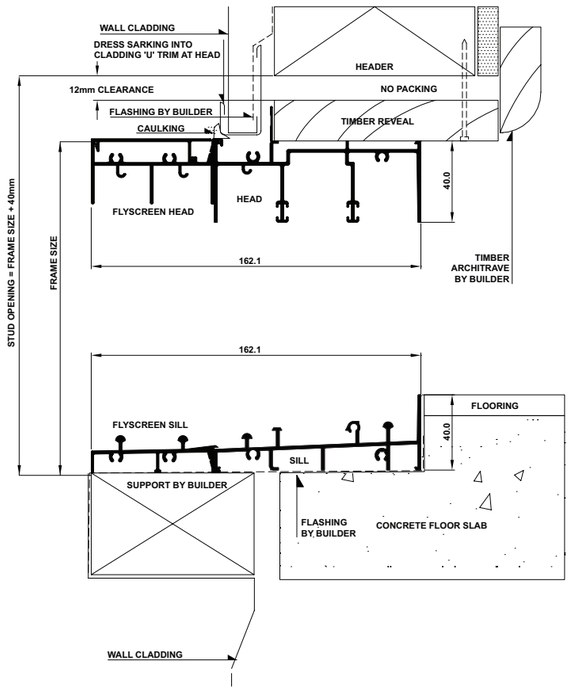


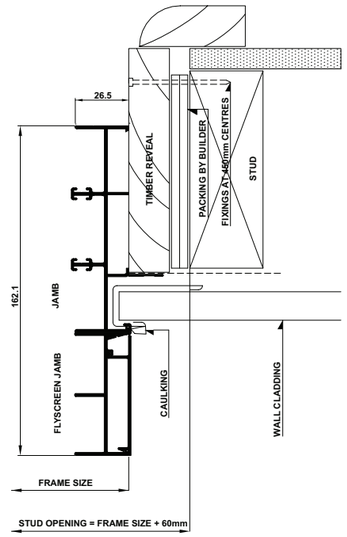
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
  Width = Frame Size + 60mm

- Secure aluminum door 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.)**
- To ensure the satisfactory long term performance of doors, install sill support (refer to drawings below).
- Ensure outside finish does not block sill drainage holes





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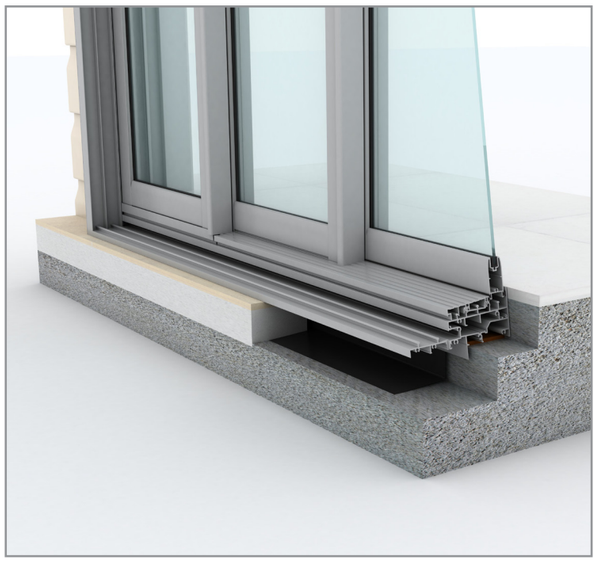
Sliding Stacker Door - Installation

Building In Detail | **Cladding on Studwall | Sump Sill**

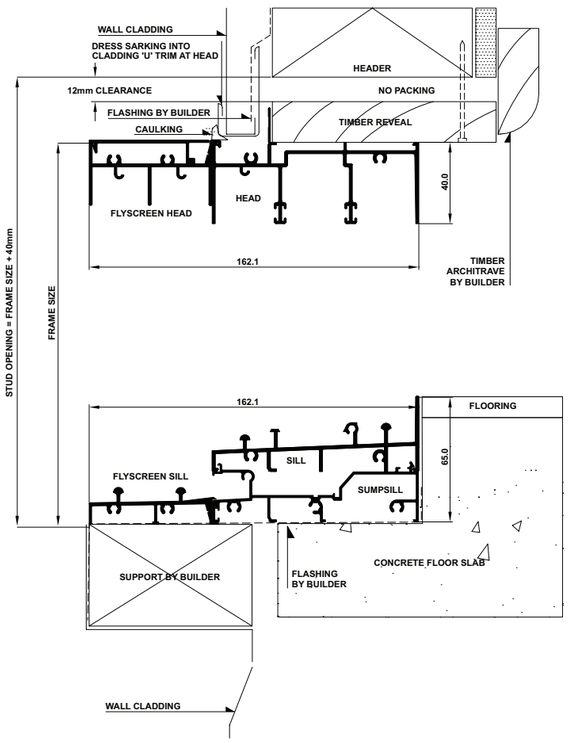


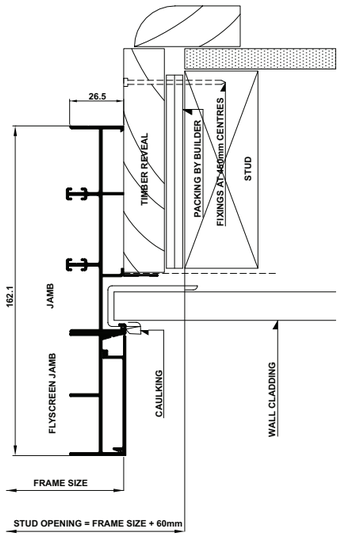
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
  Width = Frame Size + 60mm

- Secure aluminum door 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.)**
- To ensure the satisfactory long term performance of doors, install sill support (refer to drawings below).
- Ensure outside finish does not block sill drainage holes





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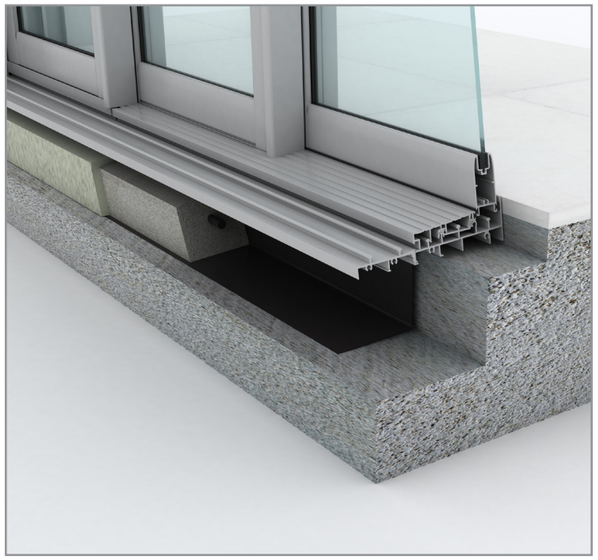
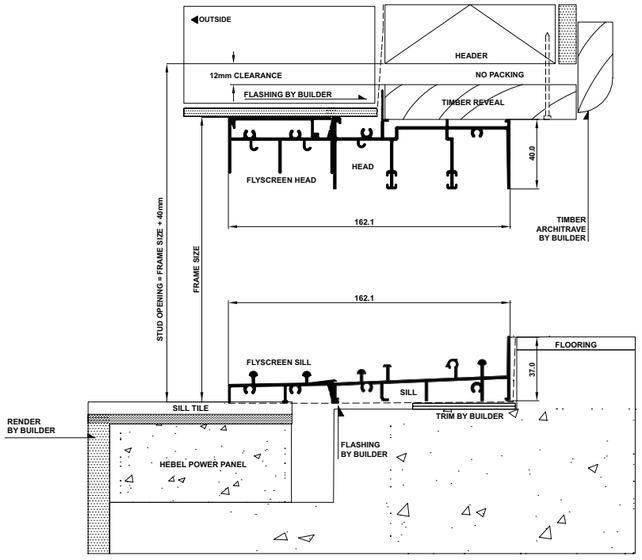


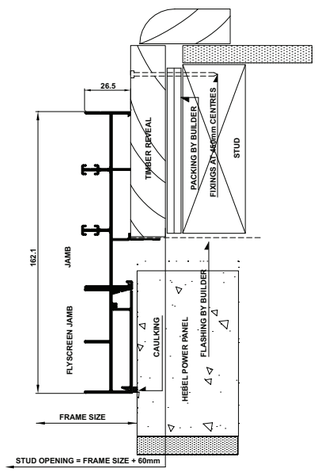
INSTALLING FRAME CORRECTLY

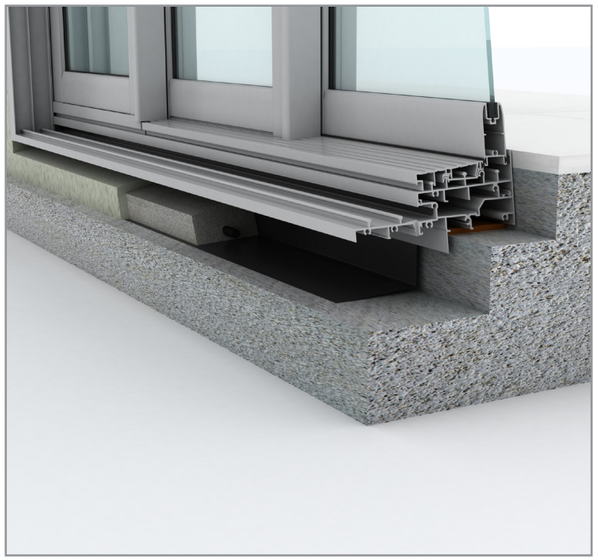
- Fit flashing to door surround (refer to drawing below).
- Measure the frame opening to ensure that there is sufficient room for the product and additional packing.

Stud Opening:
Height = Frame Size + 40mm
Width = Frame Size + 60mm

- Secure aluminum door 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.)**
- To ensure the satisfactory long term performance of doors, install sill support (refer to drawings below).
- Caulking between render and frame
- Ensure outside finish does not block sill drainage holes







INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
Width = Frame Size + 60mm

- Secure aluminum door by nailing through reveal into studwork - fixing at 450mm maximum centres.
- Header beam should be at least 12mm clear of window frame.
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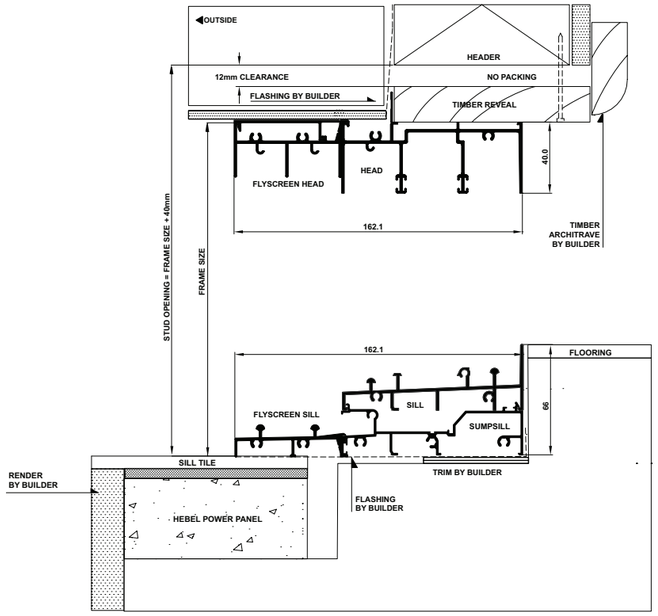
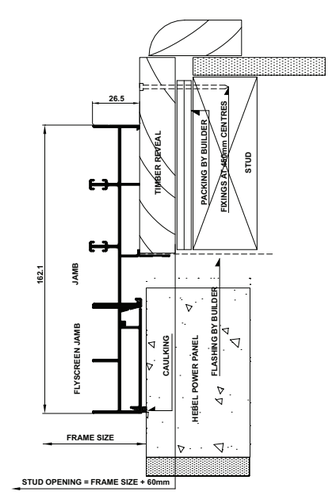
- Ensure outside finish does not block sill drainage holes



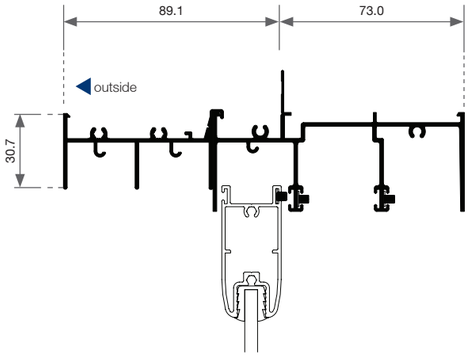


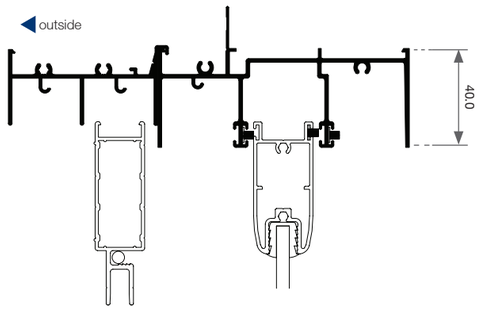
Quantum® Sliding Stacker Door

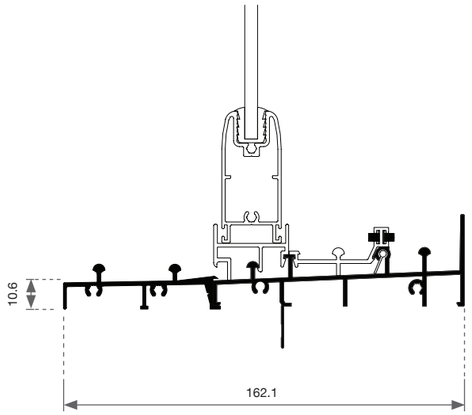
Cross Sectional Views

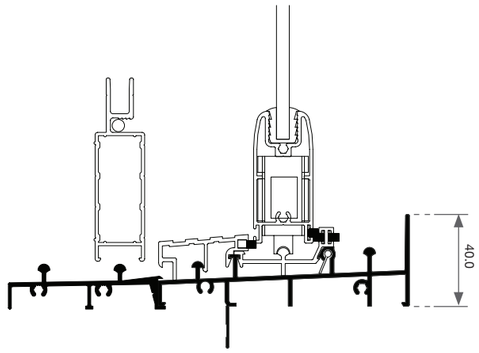
Sliding Stacker Door - Cross Sectional View

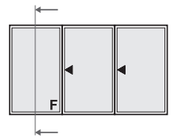
Three Panel | FXX

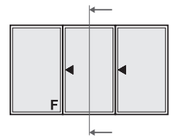








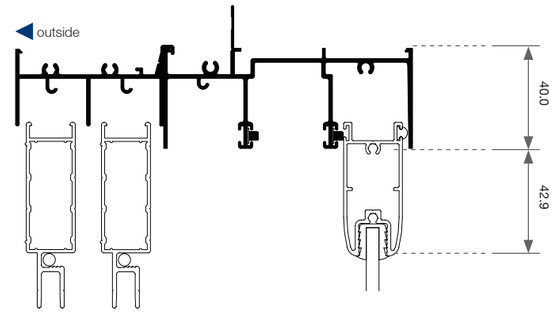


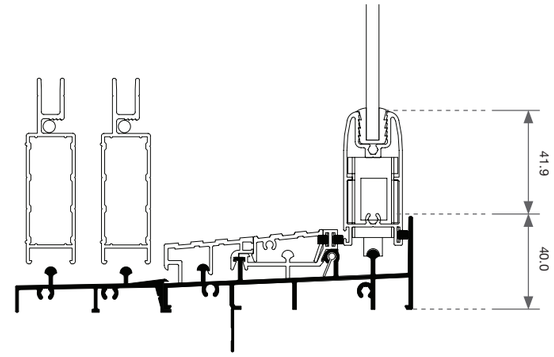


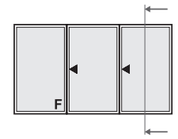
Please note that drawings displayed are not to scale

Sliding Stacker Door - Cross Sectional View

Three Panel | FXX







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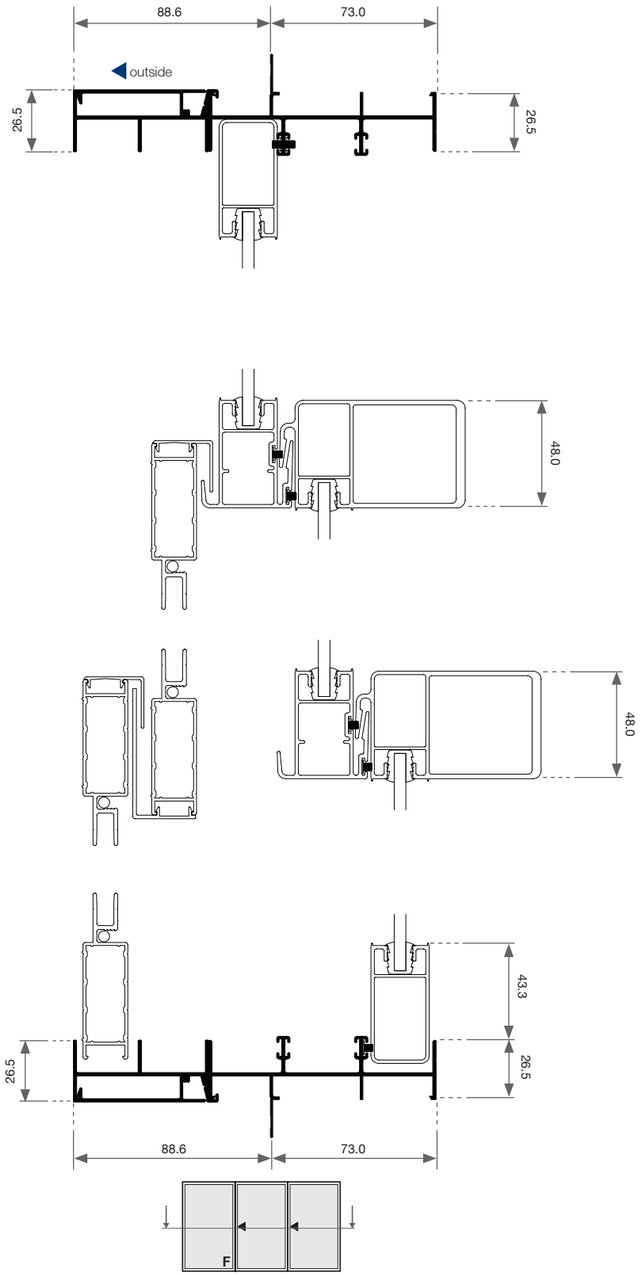
Sliding Stacker Door - Cross Sectional View

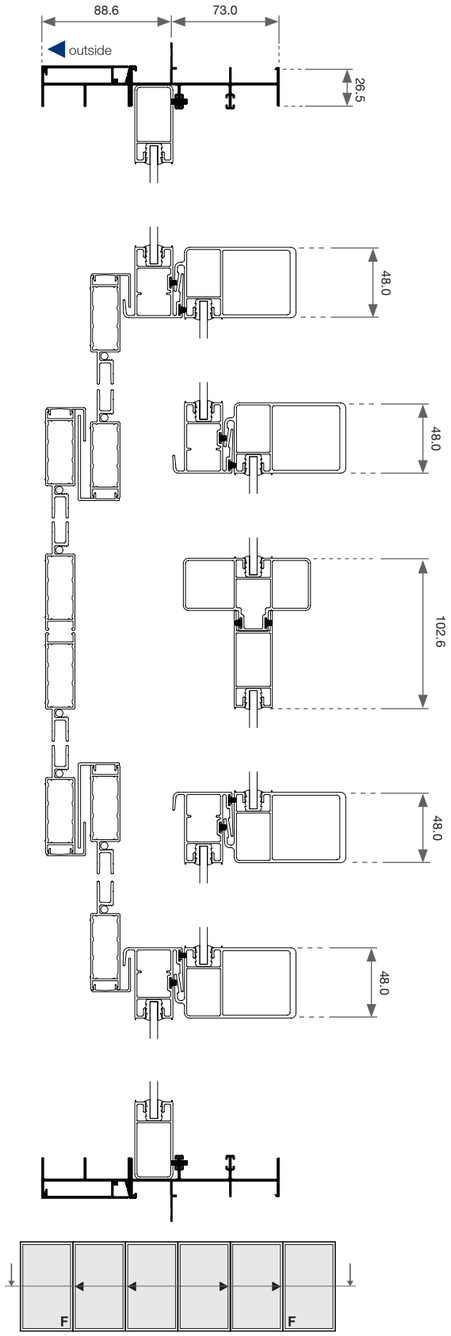
Three Panel | FXX



Please note that drawings displayed are not to scale

Sliding Stacker Door - Cross Sectional View

Six Panel | FXXXXF



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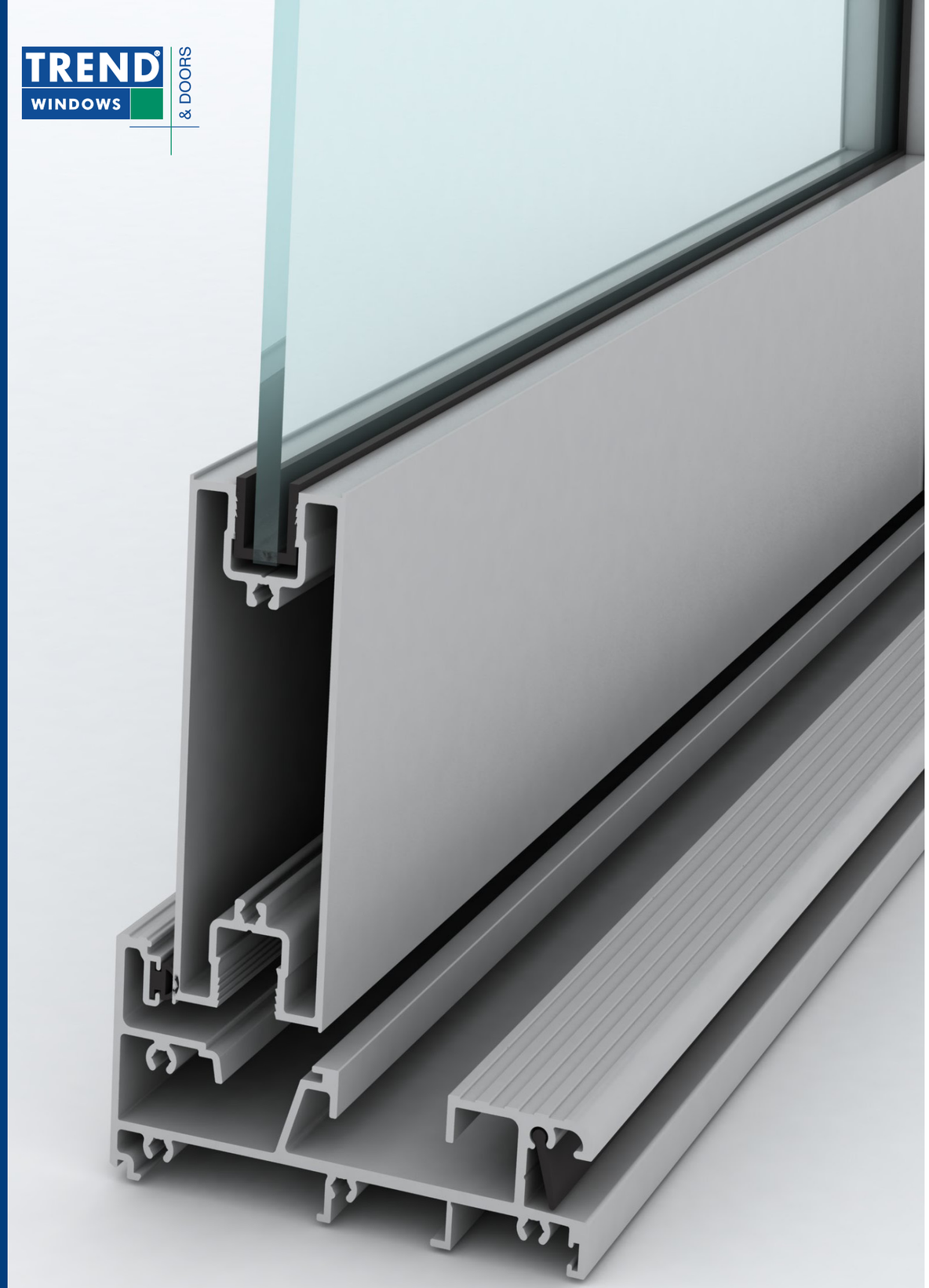


Quantum® Bifold Door

Features & Benefits

FRAME

- Robust 102mm semi commercial aluminium door frame.

PANEL

- 62mm door sash stile
- Durable bifold panels.
- Individual panels can measure up to 2400mm high and 900mm wide. (Note: 2700mm high in Heavy Duty panel and 1000mm wide is available)
- Sash punched holes are fitted with infill caps.

*Panels configure to open out only.

SILL

- If no sill is required option is available for clear alfresco walkway.*

**No sill option does not meet water and wind requirements.*

GLAZING & ENERGY EFFICIENCY

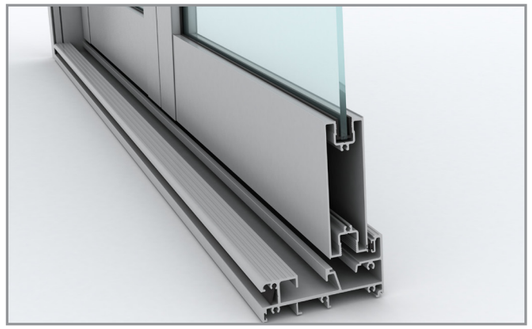
- All Trend® Windows and Doors comply with Australian Standards AS1288.
- Glazing options from 4mm single glazed to 18mm insulated glazed units (IGUs) .
- Available in a range of glazing option.
- Energy efficiency options available to help reduce home energy consumption.
- All glazing options are Window 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 are designed to meet and surpass 700Pa wind velocity rating and 150Pa water penetration rating and comply with Australian Standards AS2047.
- Pascal deflection rates up to 2200Pa.
- Bifold door rated at an air infiltration of 0.67L/s m^2.



Please note that drawings displayed are not to scale

Bifold Door - Features & Benefits

SECURITY

- ***Infinity*** night latch key lock hardware supplied as standard
- Mortice lock mechanism pulls the door panels in tight in the center, top and bottom locking the doors securely.

BUSHFIRE

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

***Max door width for bushfire zones is 2400mm*

HARDWARE

- ***Infinity*** Satin Chrome hardware supplied as standard.
- ***Infinity*** bifold lock include night latch feature - locking doors when handle is in verticle position.
- Optional colours are available:
  - Pearl White
  - Stone Beige
  - Anodic Natural Matt
  - Gloss Black
- Door locks can be keyed alike to other Quantum® door products for ease of use.
- Hinges made out of durable stainless steel - optional black color is also available.

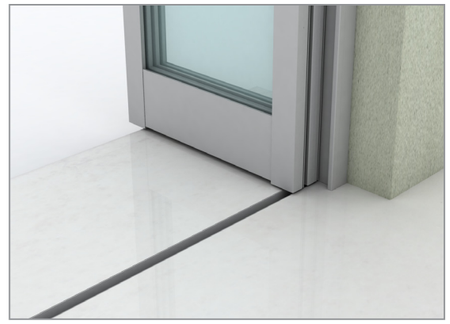
OPTIONS

- Glazing options also available in bar layout styles:
  - Colonial
  - Federation
  - Ovolo glazing bar style*
- Wide range of powder coating colours.
- Customised WERS ratings.
- Variety of sizes and custom made options available.
- Variety of configuration options available.

** Ovolo only available in single glazing.*

DELIVERY

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



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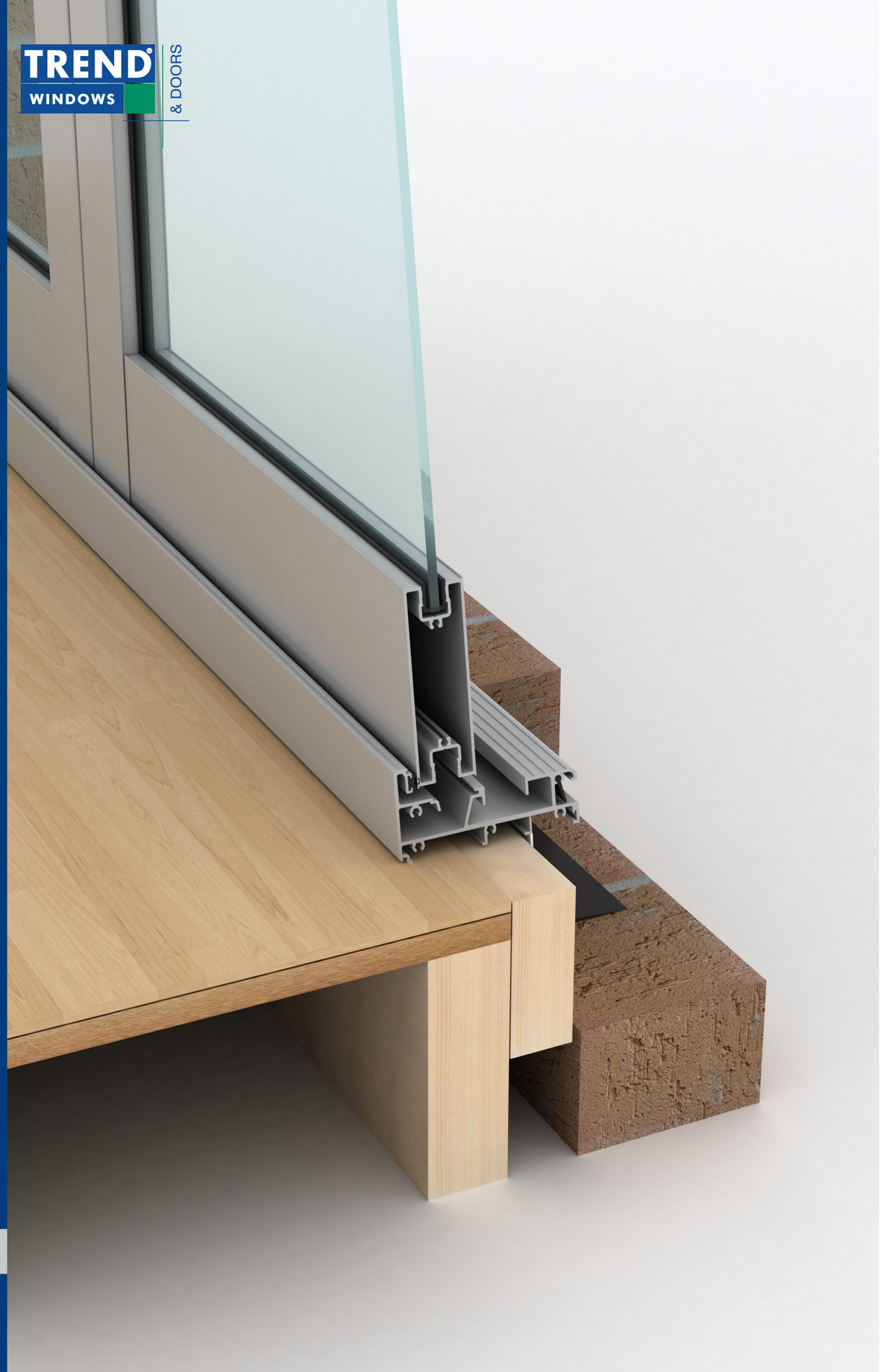


Quantum® Bifold Door

Installation

Bifold Door - Installation

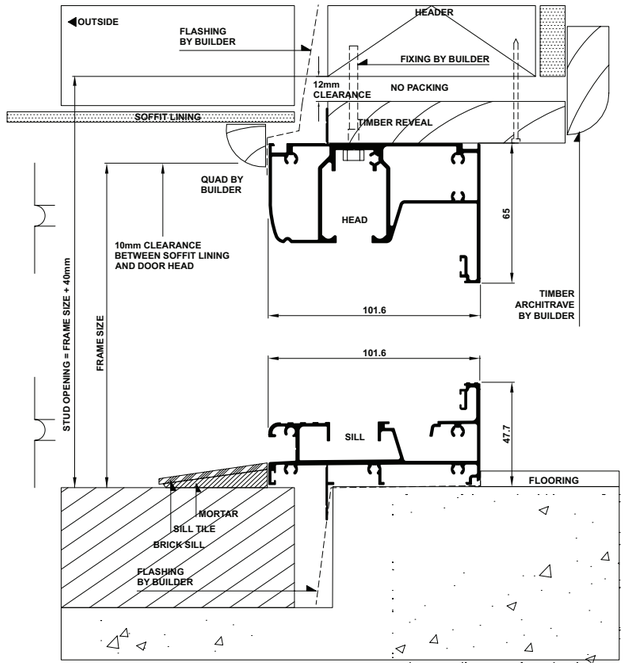
Building In Detail | **Brick Veneer - 240mm wall**

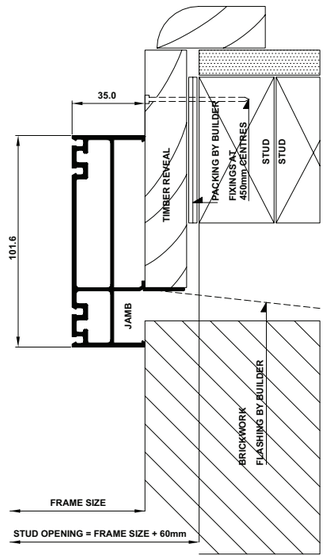
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
Width = Frame Size + 60mm

- Secure aluminum door by nailing through reveal into studwork - fixing at 450mm maximum centres.
- Sill bricks should be at least 10mm clear of door frame to allow settlement in brick veneer construction.
- Header beam should be at least 12mm clear of door 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 doors, sill must be fully supported.
- **Build-in 3mm camber to head.**
- **Bifolds top-hung - beam must support weight.**
- Ensure outside finish does not block sill drainage holes.





Please note that drawings displayed are not to scale

Bifold Door - Installation

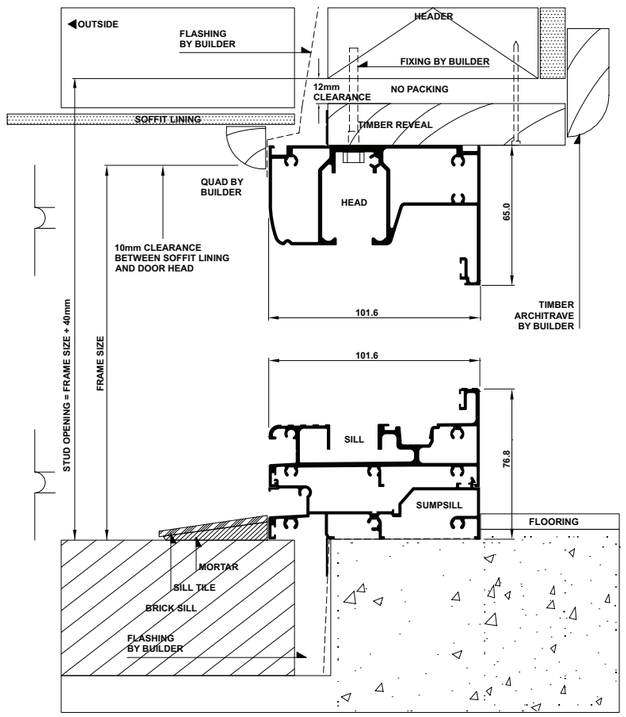
Building In Detail | **Brick Veneer - 240mm wall | Sump Sill**

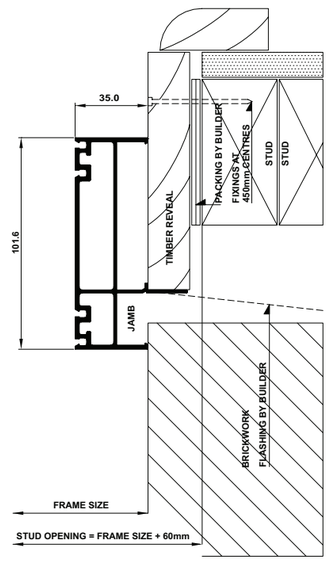
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
Width = Frame Size + 60mm

- Secure aluminum door by nailing through reveal into studwork - fixing at 450mm maximum centres.
- Sill bricks should be at least 10mm clear of door frame to allow settlement in brick veneer construction.
- Header beam should be at least 12mm clear of door 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 doors, sill must be fully supported.
- **Build-in 3mm camber to head.**
- **Bifolds top-hung - beam must support weight.**
- Ensure outside finish does not block sill drainage holes.





Please note that drawings displayed are not to scale

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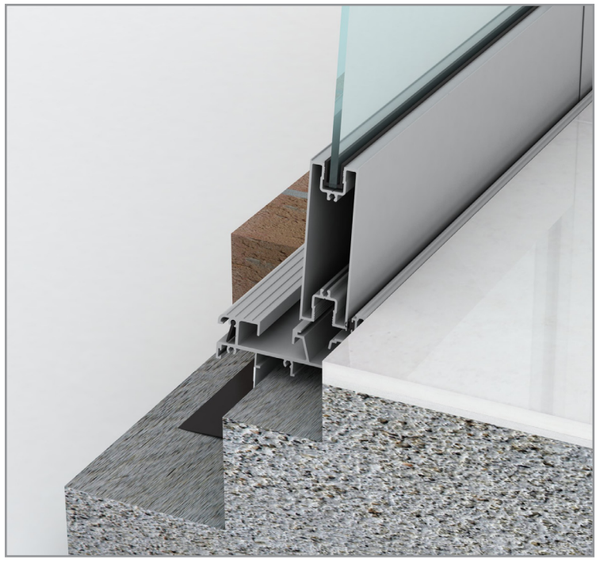
Bifold Door - Installation

Building In Detail | **Brick Veneer - 240mm wall | Rebated**

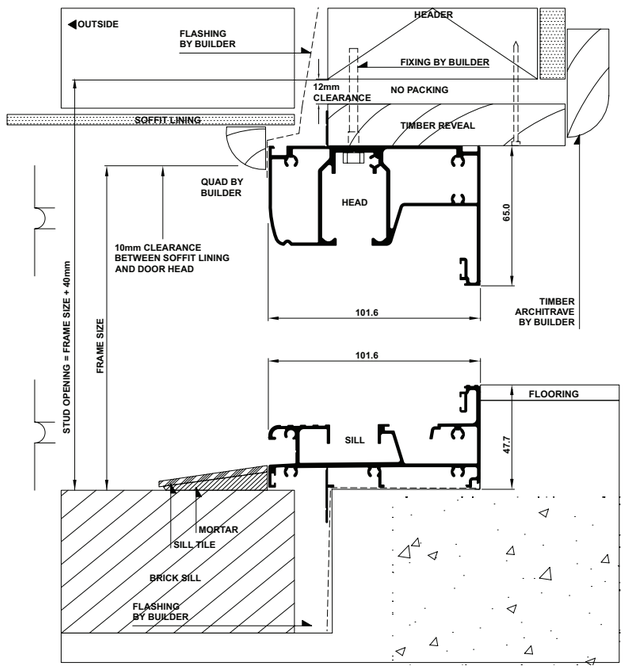


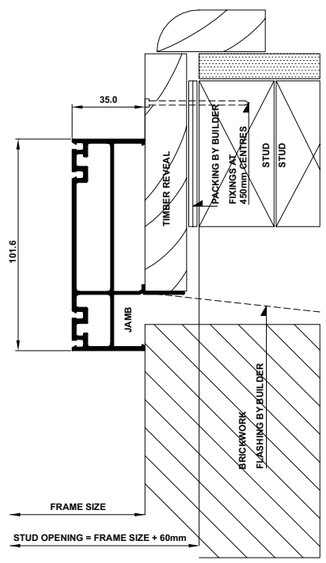
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
Width = Frame Size + 60mm

- Secure aluminum door by nailing through reveal into studwork - fixing at 450mm maximum centres.
- Sill bricks should be at least 10mm clear of door frame to allow settlement in brick veneer construction.
- Header beam should be at least 12mm clear of door 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 doors, sill must be fully supported.
- **Build-in 3mm camber to head.**
- **Bifolds top-hung - beam must support weight.**
- Ensure outside finish does not block sill drainage holes.





Please note that drawings displayed are not to scale

Bifold Door - Installation

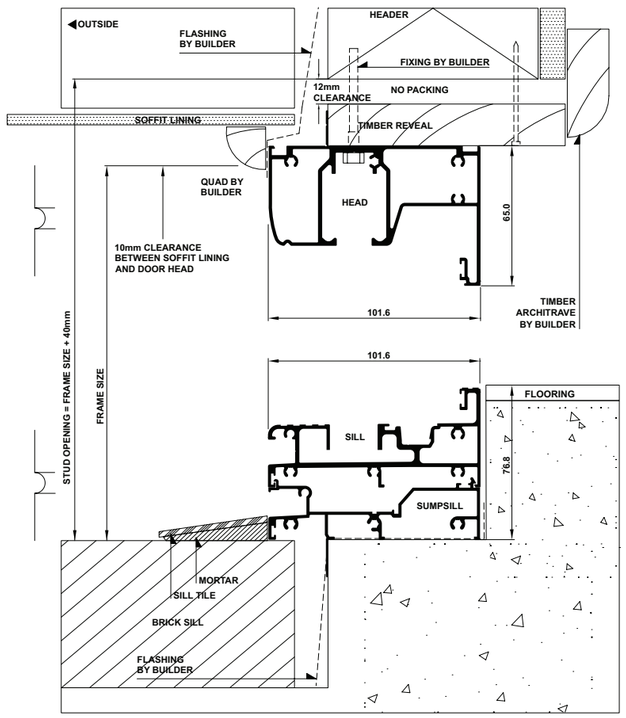
Building In Detail | **Brick Veneer - 240mm wall | Rebated | Sump Sill**

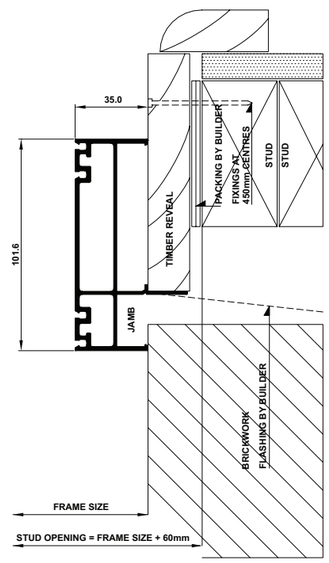
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
Width = Frame Size + 60mm

- Secure aluminum door by nailing through reveal into studwork - fixing at 450mm maximum centres.
- Sill bricks should be at least 10mm clear of door frame to allow settlement in brick veneer construction.
- Header beam should be at least 12mm clear of door 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 doors, sill must be fully supported.
- **Build-in 3mm camber to head.**
- **Bifolds top-hung - beam must support weight.**
- Ensure outside finish does not block sill drainage holes.





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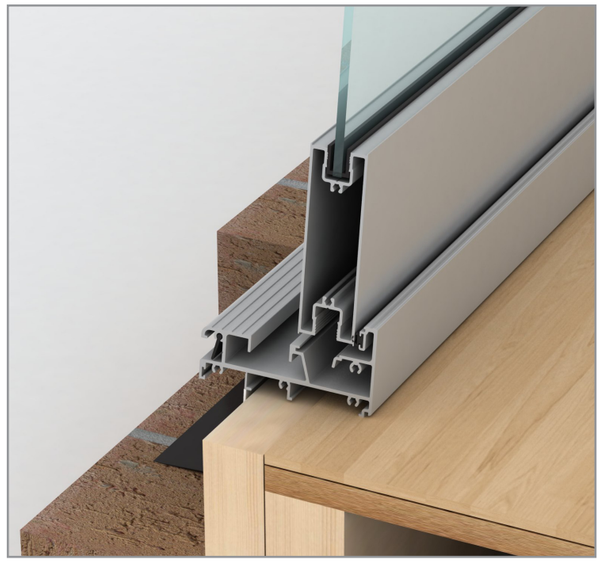
Bifold Door - Installation

Building In Detail | **Brick Veneer - 240mm wall | Joists**

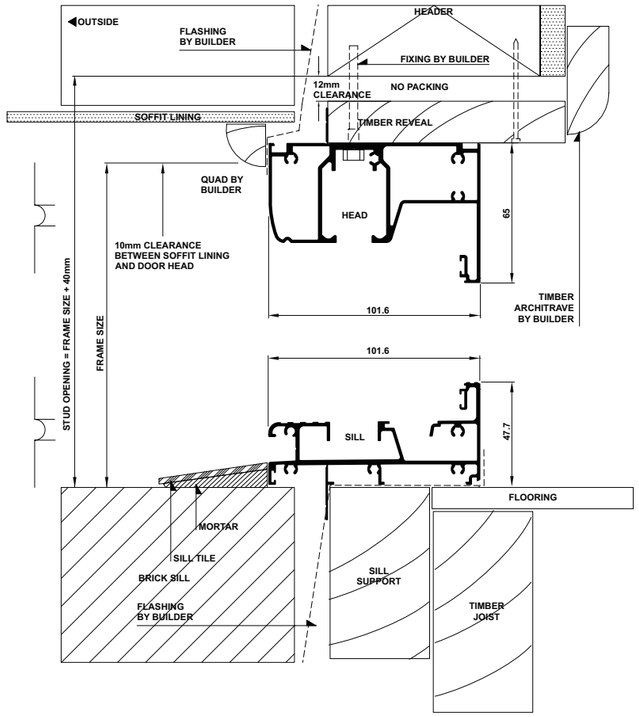


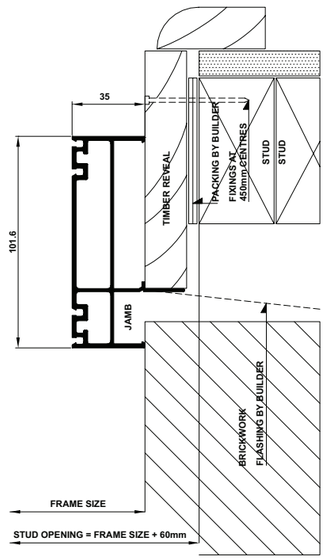
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
Width = Frame Size + 60mm

- Secure aluminum door by nailing through reveal into studwork - fixing at 450mm maximum centres.
- Sill bricks should be at least 10mm clear of door frame to allow settlement in brick veneer construction.
- Header beam should be at least 12mm clear of door 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 door, install sill support (refer to drawings below).
- **Build-in 3mm camber to head.**
- **Bifolds top-hung - beam must support weight.**
- Ensure outside finish does not block sill drainage holes.

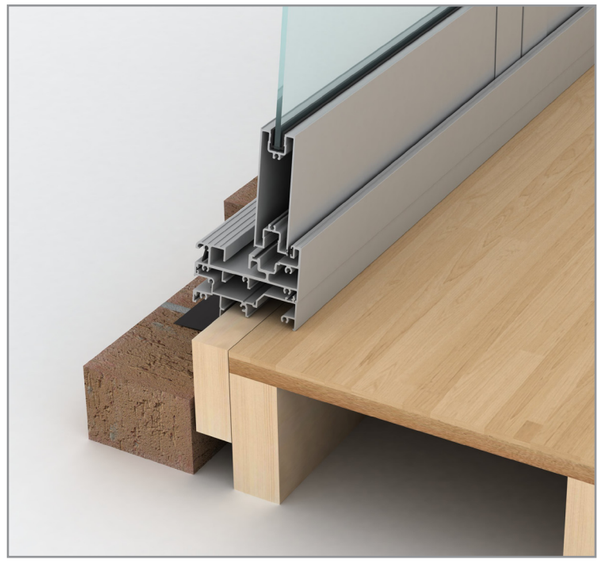




Please note that drawings displayed are not to scale

Bifold Door - Installation

Building In Detail | **Brick Veneer - 240mm wall | Joists | Sump Sill**

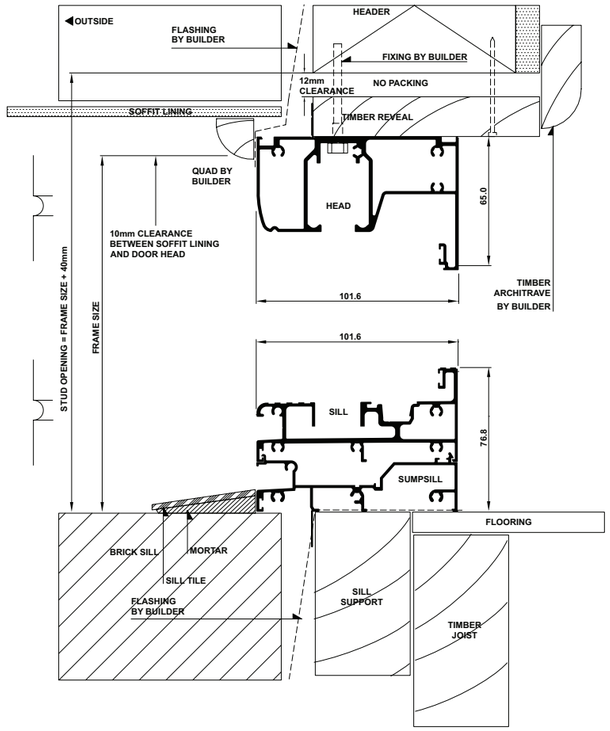


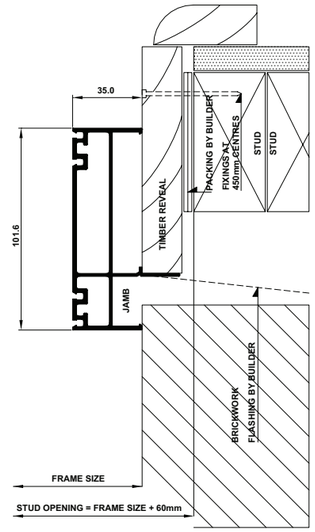
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
Width = Frame Size + 60mm

- Secure aluminum door by nailing through reveal into studwork - fixing at 450mm maximum centres.
- Sill bricks should be at least 10mm clear of door frame to allow settlement in brick veneer construction.
- Header beam should be at least 12mm clear of door 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 door, install sill support (refer to drawings below).
- **Build-in 3mm camber to head.**
- **Bifolds top-hung - beam must support weight.**
- Ensure outside finish does not block sill drainage holes.





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Bifold Door - Installation

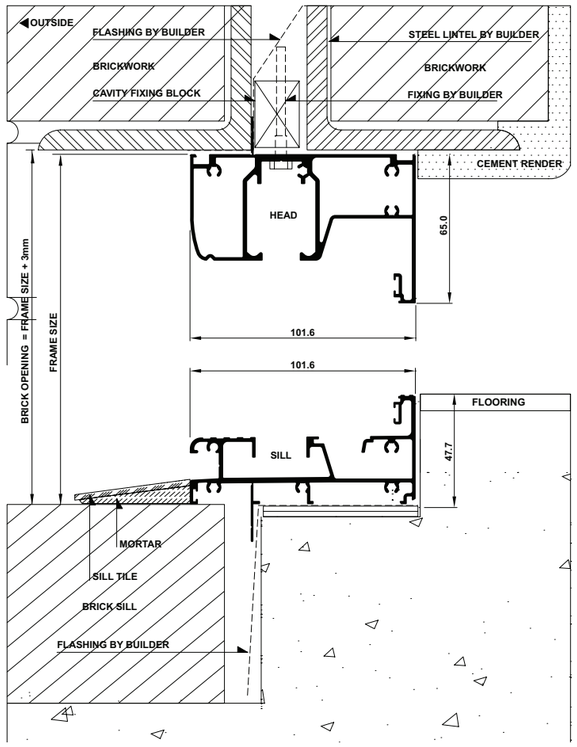
Building In Detail | **Double Brick - 280mm wall**

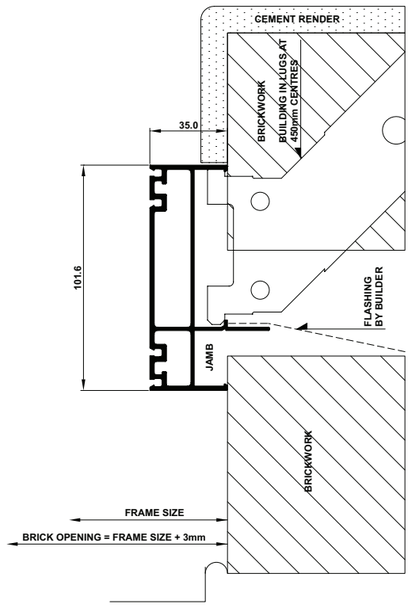
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 3mm
  Width = Frame Size + 3mm

- Secure aluminum door 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.)**
- To ensure the satisfactory long term performance of doors, sill must be fully supported.
- **Build-in 3mm camber to head.**
- **Bifolds top-hung - beam must support weight.**
- Ensure outside finish does not block sill drainage holes.





Please note that drawings displayed are not to scale

Bifold Door - Installation

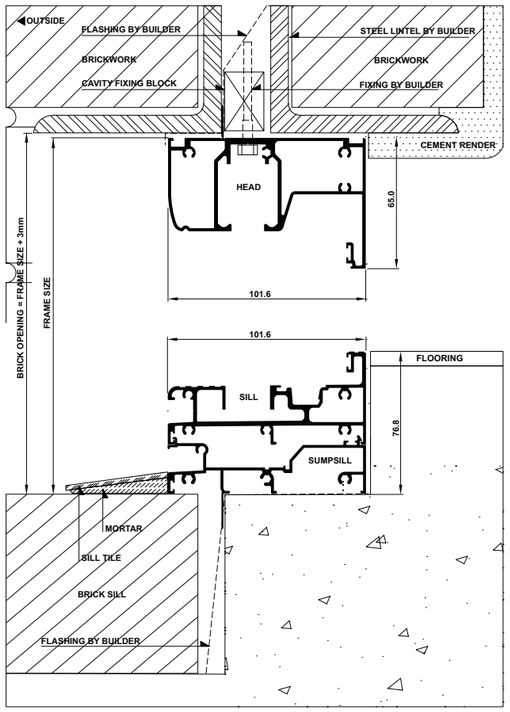
Building In Detail | **Double Brick - 280mm wall | Sump Sill**

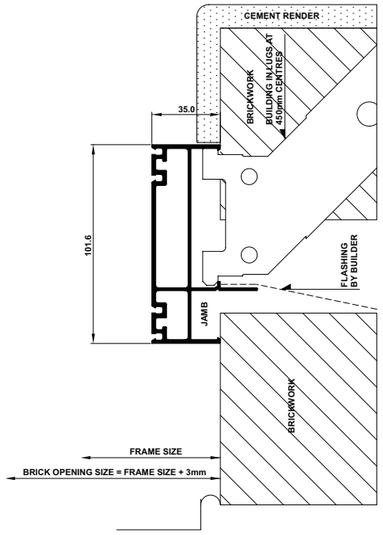
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 3mm
  Width = Frame Size + 3mm

- Secure aluminum door 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.)**
- To ensure the satisfactory long term performance of doors, sill must be fully supported.
- **Build-in 3mm camber to head.**
- **Bifolds top-hung - beam must support weight.**
- Ensure outside finish does not block sill drainage holes.





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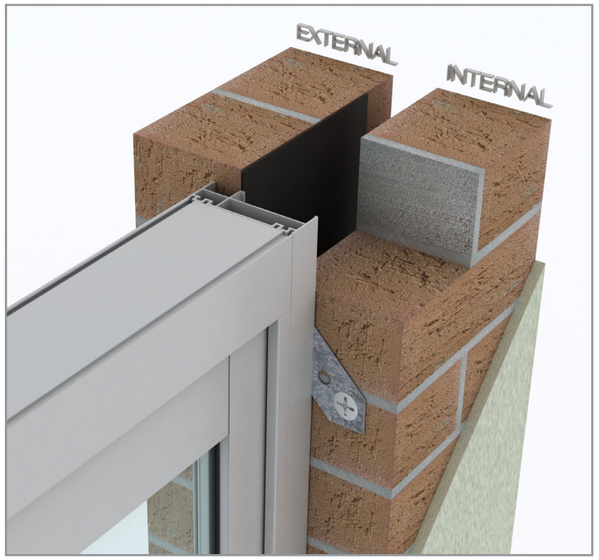
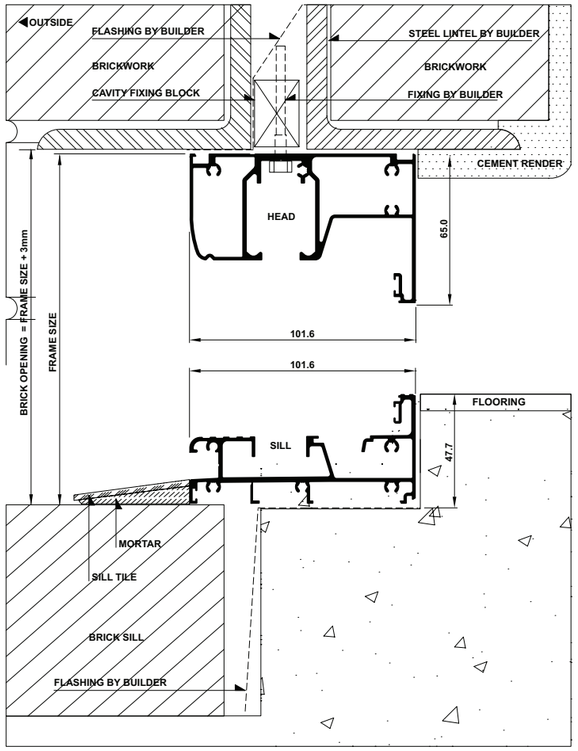


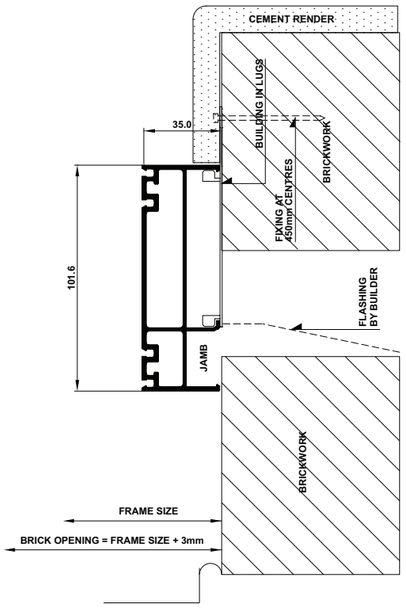
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 doors using building lug into mortor - fixing at 450mm max centres
- Sill bricks should be at least10 mm 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 doors, sill must be fully supported.
- **Build-in 3mm camber to head.**
- **Bifolds top-hung - beam must support weight.**
- Ensure outside finish does not block sill drainage holes.





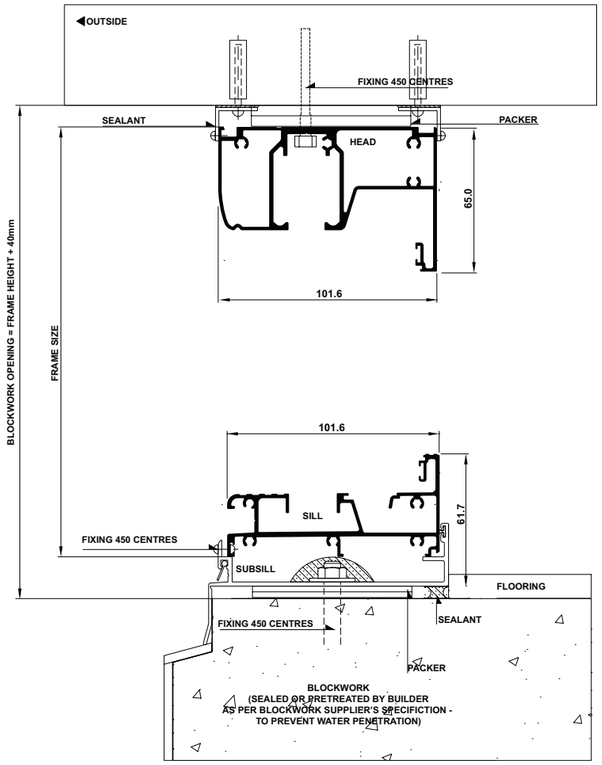
Please note that drawings displayed are not to scale

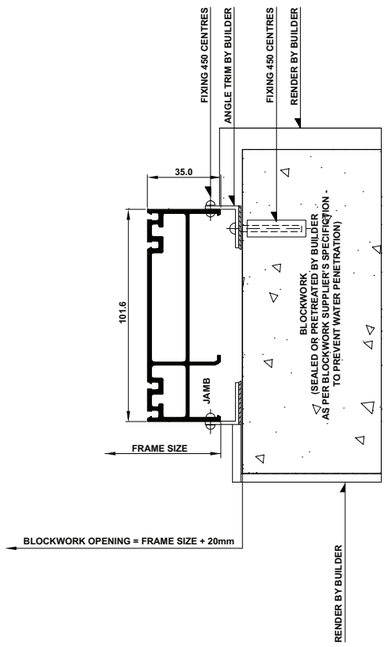
INSTALLING FRAME CORRECTLY

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

  Blockwork Opening:
  Height = Frame Height + 40mm
  Width = Frame Size + 20mm

- Fit subframe to opening and seal fixings.
- 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.)**
- To ensure the satisfactory long term performance of doors, sill must be fully supported.
- **Build-in 3mm camber to head.**
- **Bifolds top-hung - beam must support weight.**
- Ensure outside finish does not block sill drainage holes.





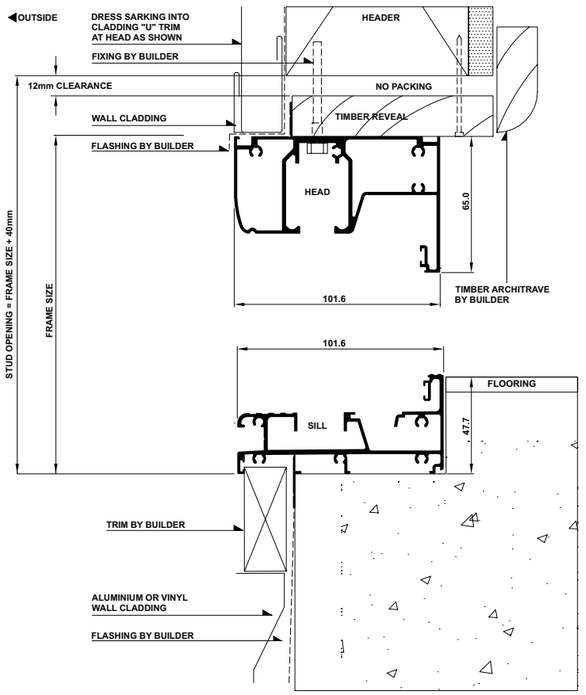
Please note that drawings displayed are not to scale

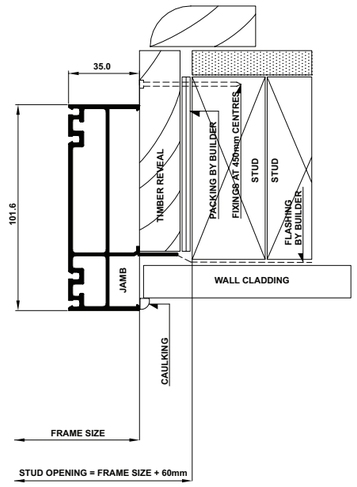
INSTALLING FRAME CORRECTLY

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

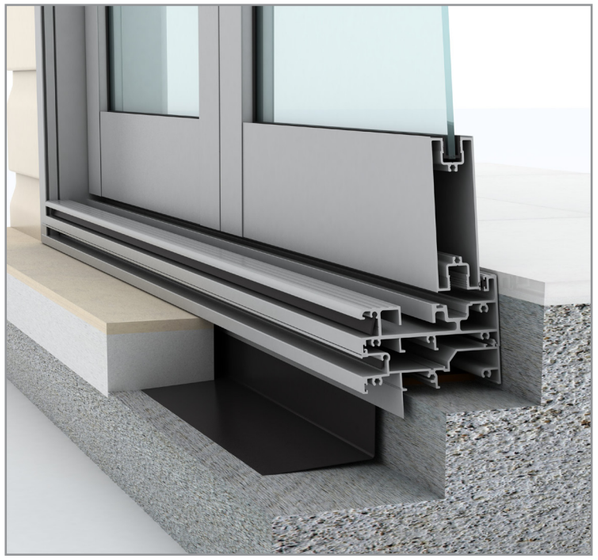
Stud Opening:
Height = Frame Size + 40mm
Width = Frame Size + 60mm

- Secure aluminum door 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.)**
- To ensure the satisfactory long term performance of doors, install sill support (refer to drawings below).
- **Build-in 3mm camber to head.**
- **Bifolds top-hung - beam must support weight.**
- Ensure outside finish does not block sill drainage holes.





Please note that drawings displayed are not to scale



INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
Width = Frame Size + 60mm

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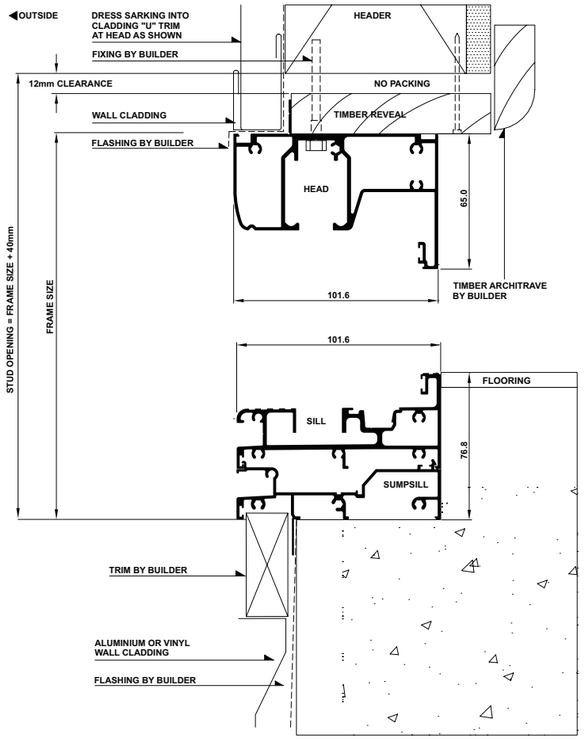
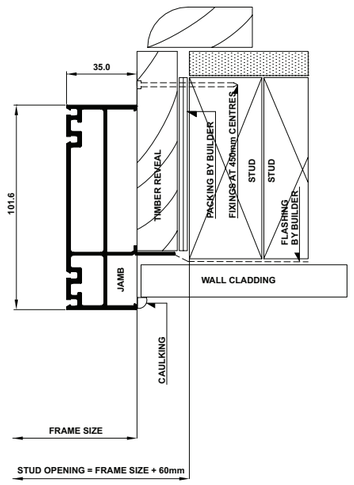
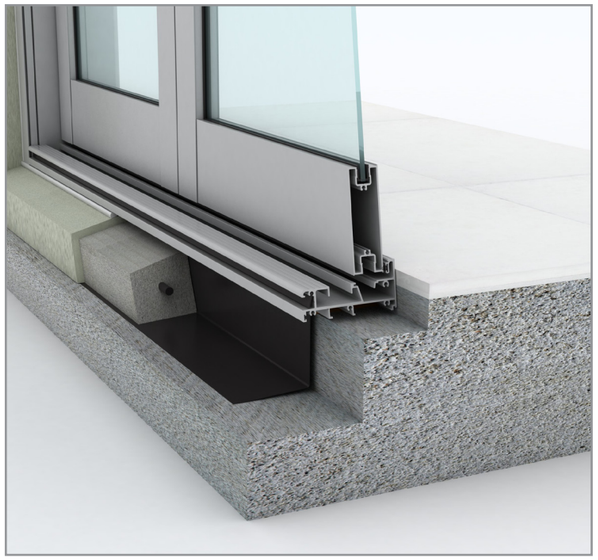
- Header beam should be at least 12mm clear of window frame.
- Do not permit weight of eaves or arch bars to bear on any window or door frame. **(Windows and doors are not load bearing.)**
- To ensure the satisfactory long term performance of doors install sill support (refer to drawings below).
- **Build-in 3mm camber to head.**
- **Bifolds top-hung - beam must support weight.**
- Ensure outside finish does not block sill drainage holes.





Please note that drawings displayed are not to scale

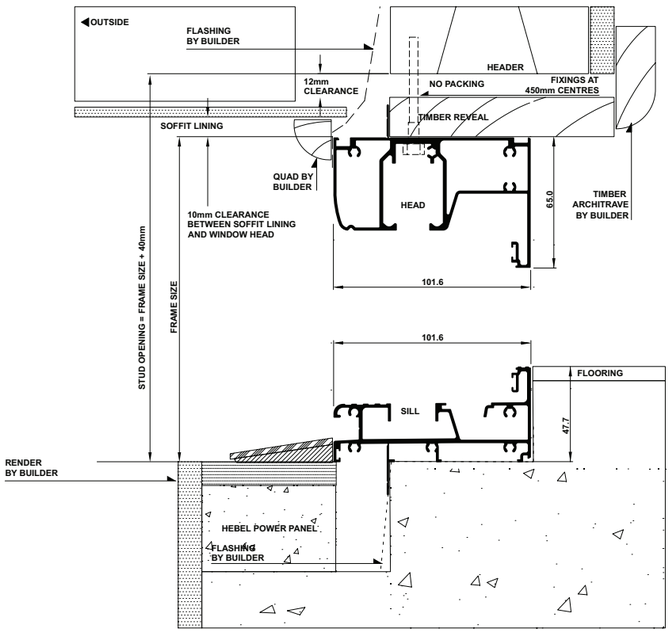


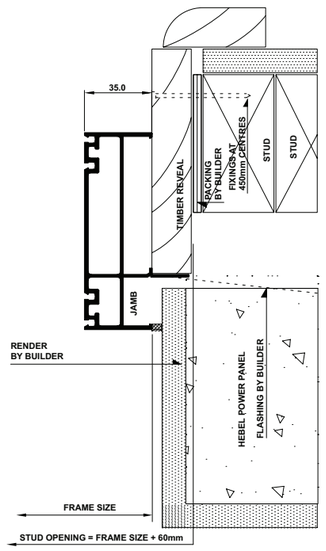
INSTALLING FRAME CORRECTLY

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

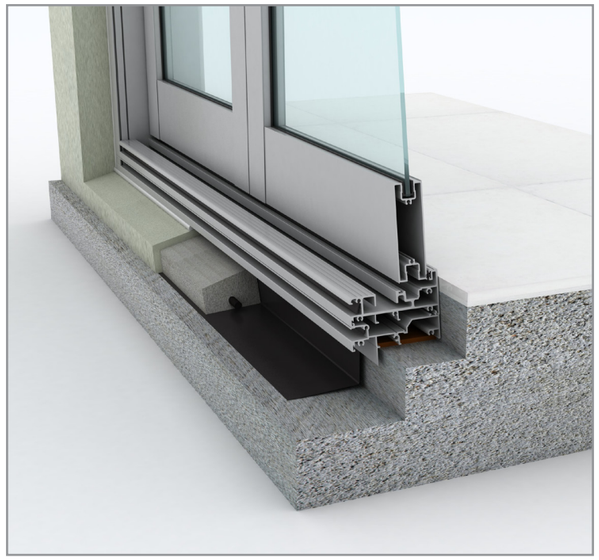
Stud Opening:
Height = Frame Size + 40mm
Width = Frame Size + 60mm

- Secure aluminum door 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.)**
- To ensure the satisfactory long term performance of doors, sill must be fully supported.
- Caulking between render and frame
- **Build-in 3mm camber to head.**
- **Bifolds top-hung - beam must support weight.**
- Ensure outside finish does not block sill drainage holes.





Please note that drawings displayed are not to scale



INSTALLING FRAME CORRECTLY

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Stud Opening:
Height = Frame Size + 40mm
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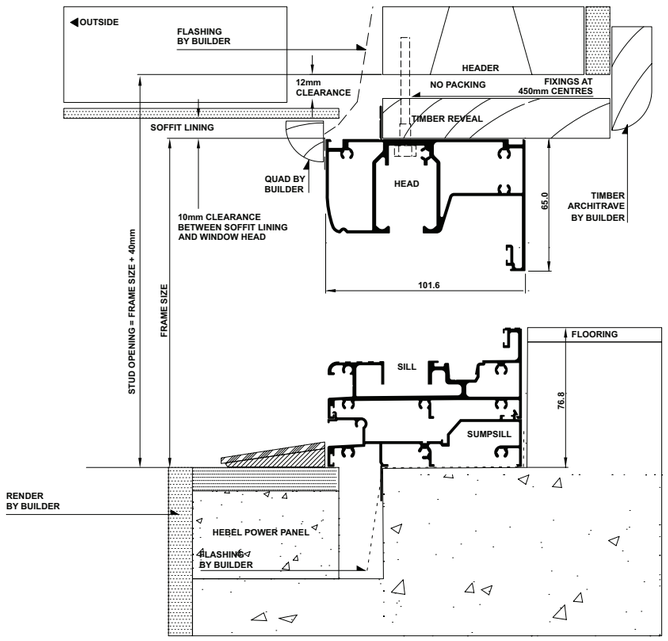
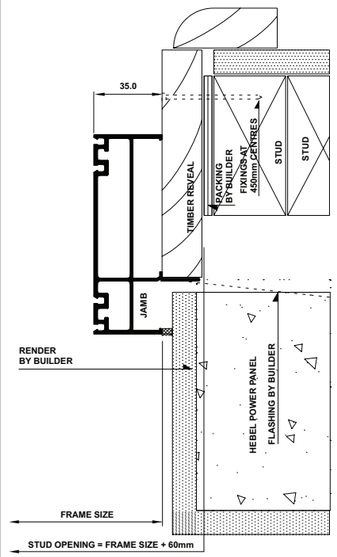
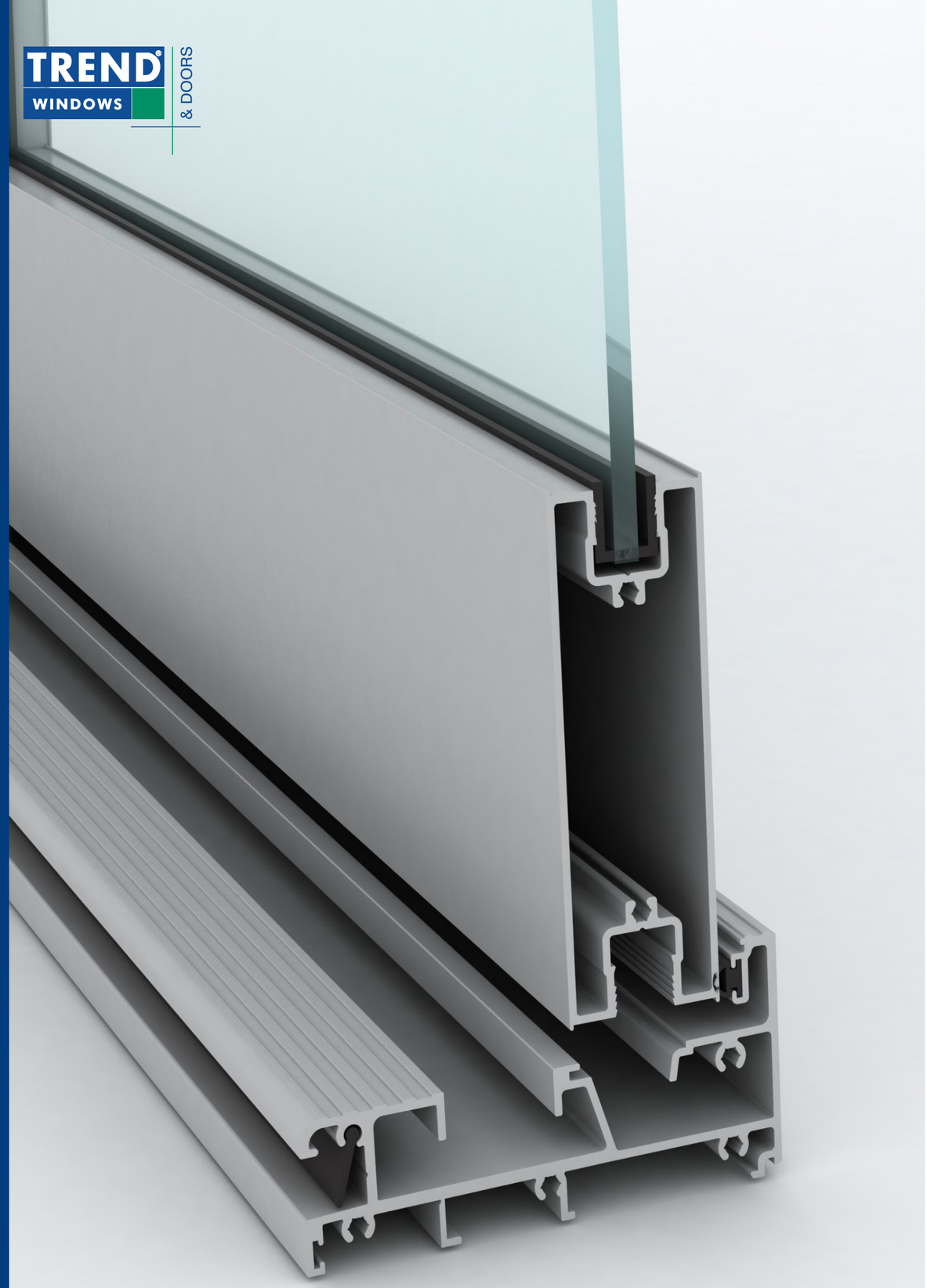




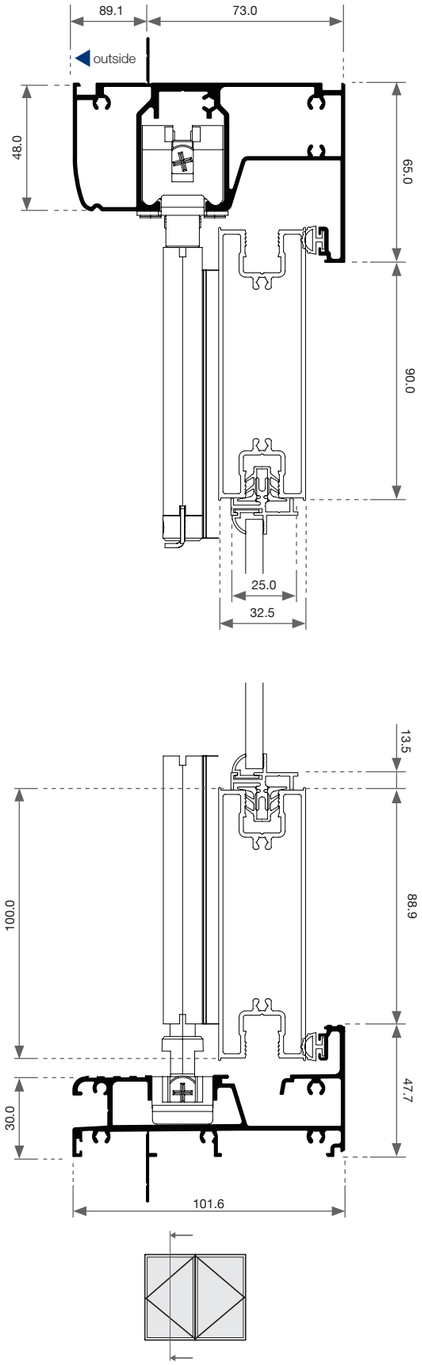
Please note that drawings displayed are not to scale

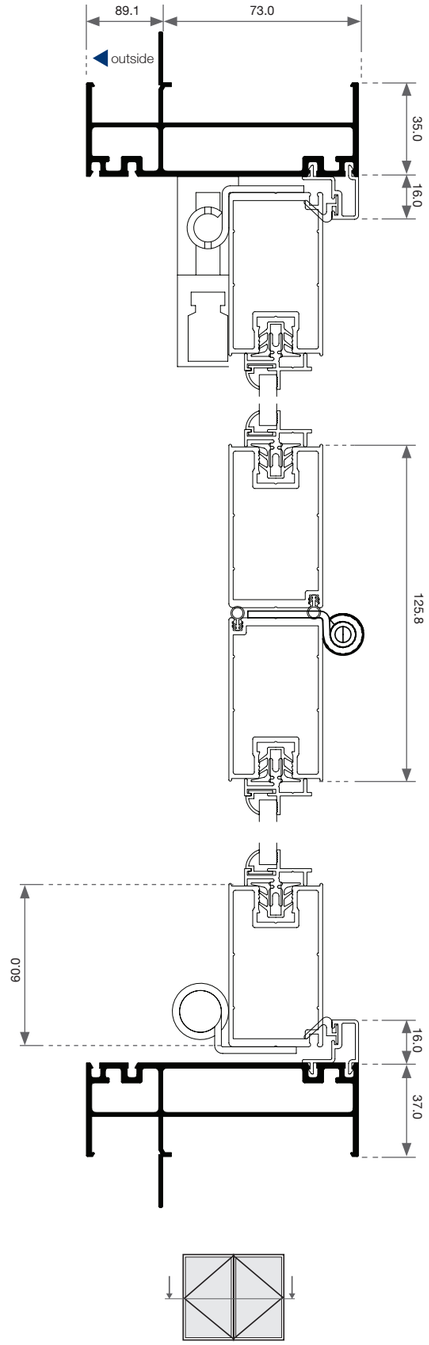


Quantum® Bifold Door

Cross Sectional Views

Two Panel

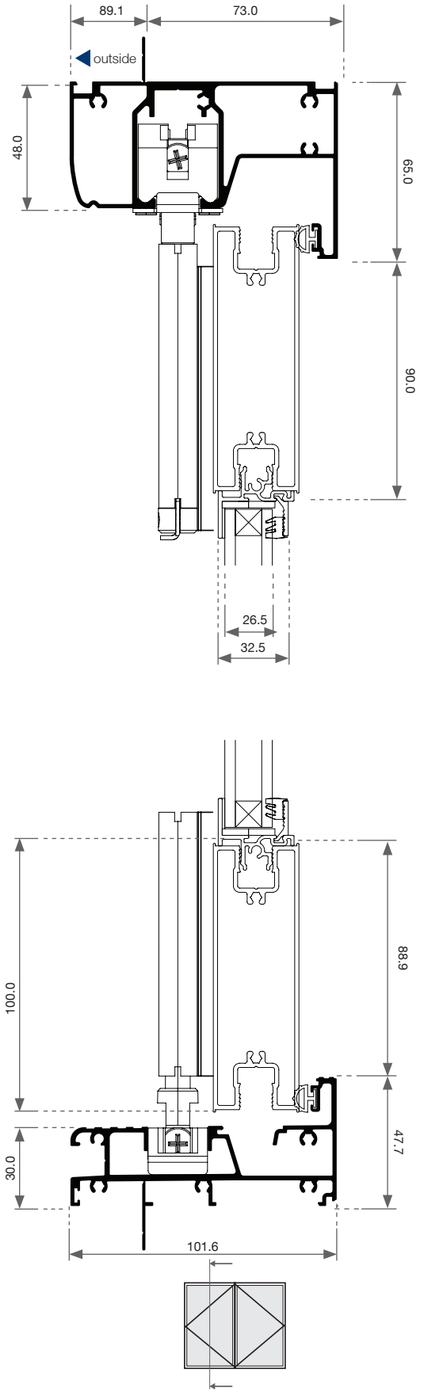


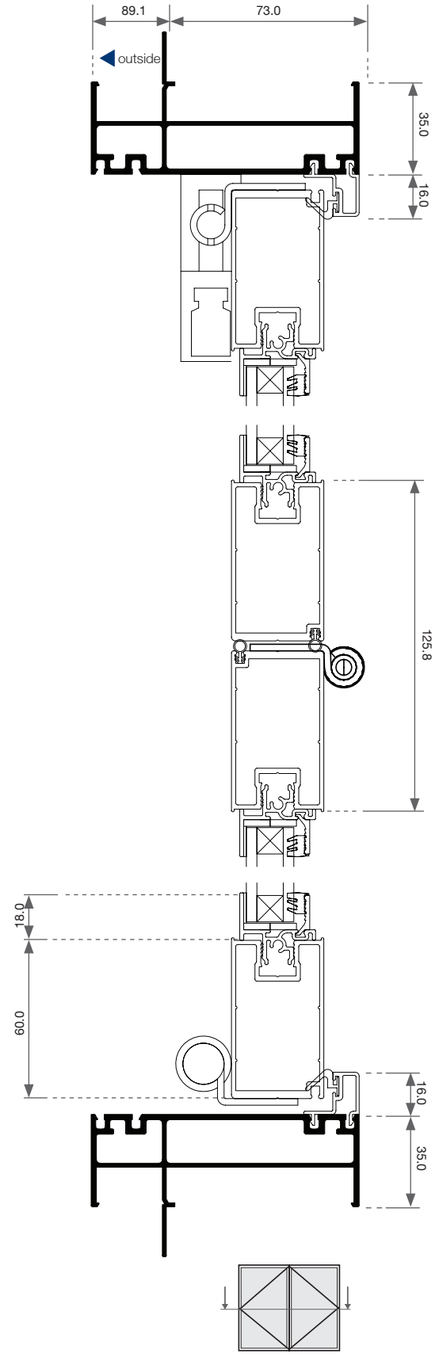


Please note that drawings displayed are not to scale

Bifold Door - Cross Sectional Views

Two Panel | Thermashield





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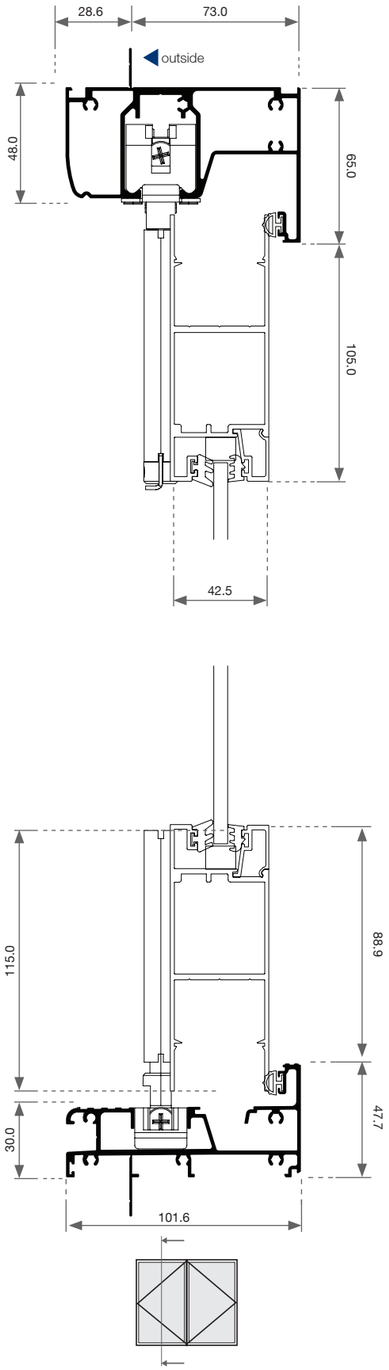
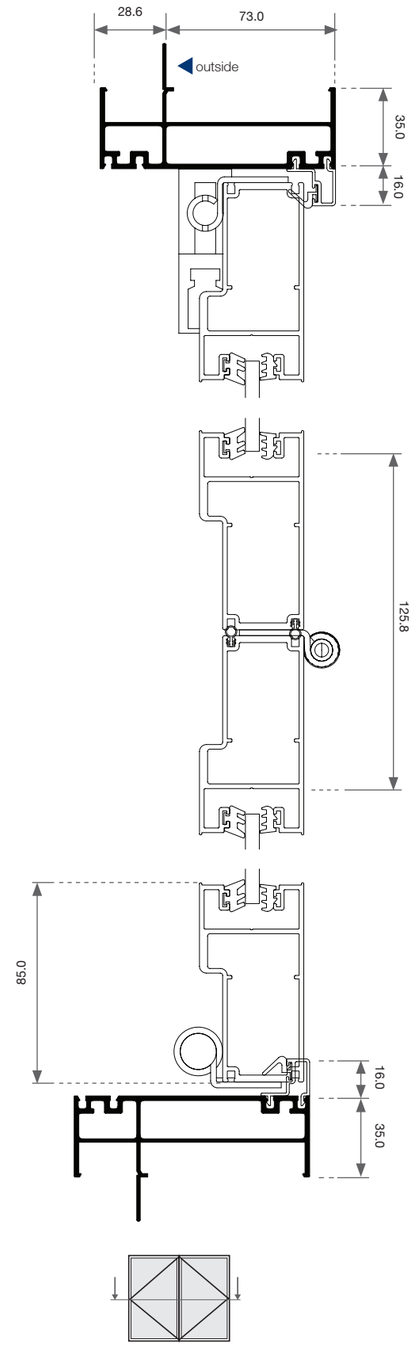
Two Panel | Heavy Duty | Elevation



Please note that drawings displayed are not to scale

Bifold Door - Cross Sectional Views

Two Panel | Heavy Duty | Plan



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Quantum® Hinge Door

Features & Benefits

FRAME

- Robust 102mm semi commercial aluminium door frame.

PANEL

- Durable hinged panels.
- Individual panels can measure up to 2400mm high (2700mm high in heavy duty panels) and up to 920 wide (1000mm wide in heavy duty panels).
- Single or paired french doors available.
- Sash punched holes are fitted with infill caps.
- Open-in and Open-out option available.

SILL

- Sill has built-in sump sill and no insect traps for easy maintenance and cleaning.

GLAZING & ENERGY EFFICIENCY

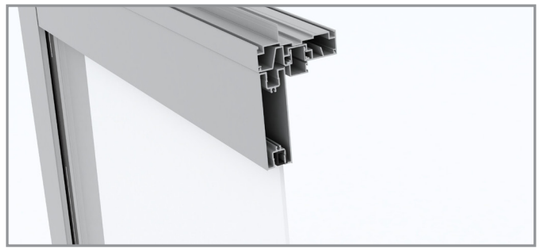
- All Trend® Windows and Doors comply with Australian Standards AS1288.
- Glazing options from 4mm single glazed to 18mm insulated glazed units (IGUs).
- Available in a range of glazing styles.
- Energy efficiency options available to help reduce home energy consumption.
- All glazing options are Window Energy Rating Scheme (WERS) rated - providing a wide range of energy efficient solutions.

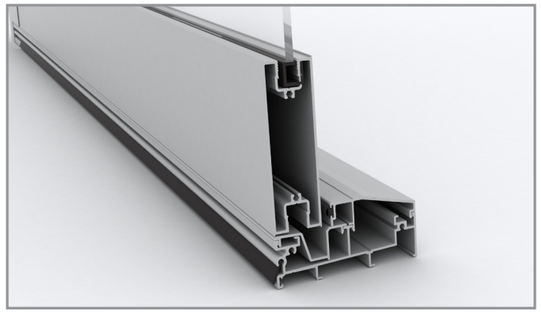
ACOUSTICS

- Acoustic solutions available for improved noise reduction.
- High R_W ratings ava ilable.

WIND & WATER RATINGS

- All Trend® Windows and Doors are designed to meet and surpass 700Pa wind velocity rating and 150Pa water penetration rating and comply with Australian Standards AS2047.
- Pascal deflection rates up to 2200Pa.
- HInge door rated at an air infiltration of 1.00L/s m^2.





Please note that drawings displayed are not to scale

Hinge Door - Features & Benefits

SECURITY

- ***Infinity*** night latch key lock hardware supplied as standard.
- Mortice lock mechanism pulls the door panels in tight in the center, top and bottom locking the doors securely.
- Optional security, barrier and ***Prowler Proof*** 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

- ***Infinity*** Satin Chrome hardware supplied as standard
- ***Infinity*** hinge door lock include night latch feature - locking doors when handle is in vertical position.
- Four point locking to improve sealing supplied as standard.
- Optional colours available are:
  - Pearl White
  - Stone Beige
  - Anodic Natural Matt
  - Gloss Black
- Door locks can be keyed alike to other Quantum® products for ease of use.
- Hinges made out of durable stainless steel - optional black colour is also available.
- Parliament hinges available where door needs to be flush to the brickwork.
- Adjustable lift off hinge supplied as standard allows the door to be adjusted bertically and horizontally by up to 3mm.

OPTIONS

- Glazing options also available in bar layout styles:
  - Colonial
  - Federation
  - Ovolo glazing bar style*
- Wide range of powder coating colours.
- Customised WERS ratings.
- Variety of sizes and custom made options available.
- Variety of configuration options available.

** Ovolo available in single glazing only.*

DELIVERY

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

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Quantum® Hinge Door

Installation

Hinge Door - Installation

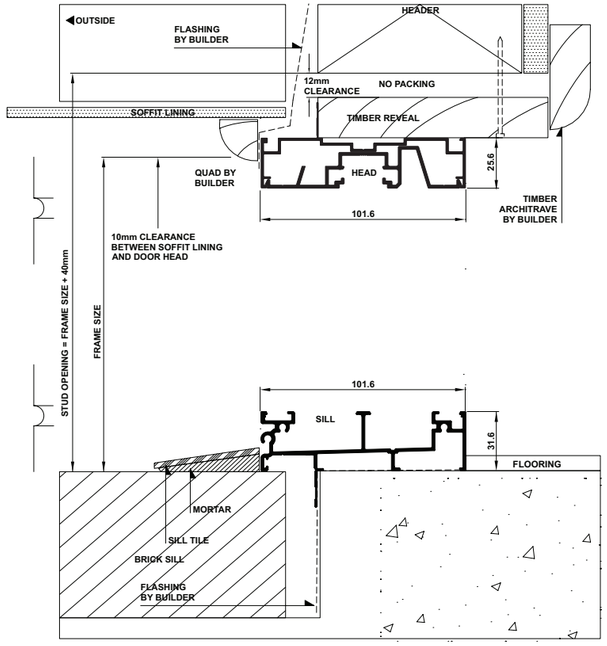
Building In Detail | **Brick Veneer - 240mm wall**

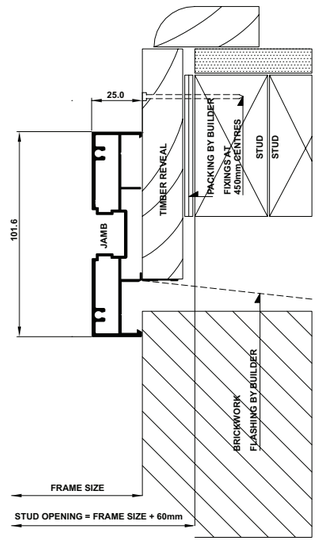
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
Width = Frame Size + 60mm

- Secure aluminum door by nailing through reveal into studwork - fixing at 450mm maximum centres.
- Sill bricks should be at least 10mm clear of door frame to allow settlement in brick veneer construction.
- Header beam should be at least 12mm clear of door 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 doors, sill must be fully supported.
- Ensure outside finish does not block sill drainage holes.





Please note that drawings displayed are not to scale

Hinge Door - Installation

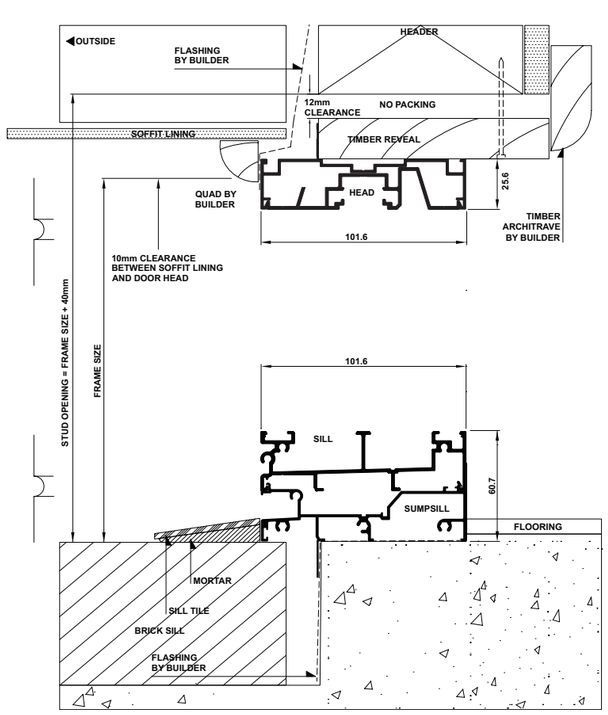
Building In Detail | **Brick Veneer - 240mm wall | Sump Sill**

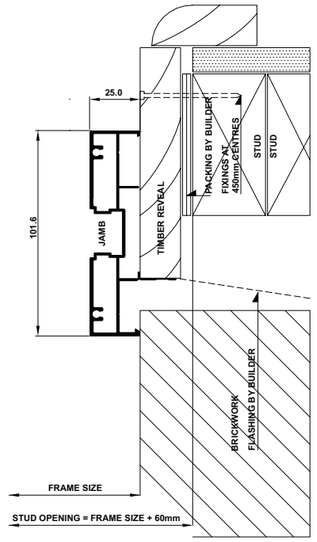
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
Width = Frame Size + 60mm

- Secure aluminum door by nailing through reveal into studwork - fixing at 450mm maximum centres.
- Sill bricks should be at least 10mm clear of door frame to allow settlement in brick veneer construction.
- Header beam should be at least 12mm clear of door 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 doors, sill must be fully supported.
- Ensure outside finish does not block sill drainage holes.





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Hinge Door - Installation

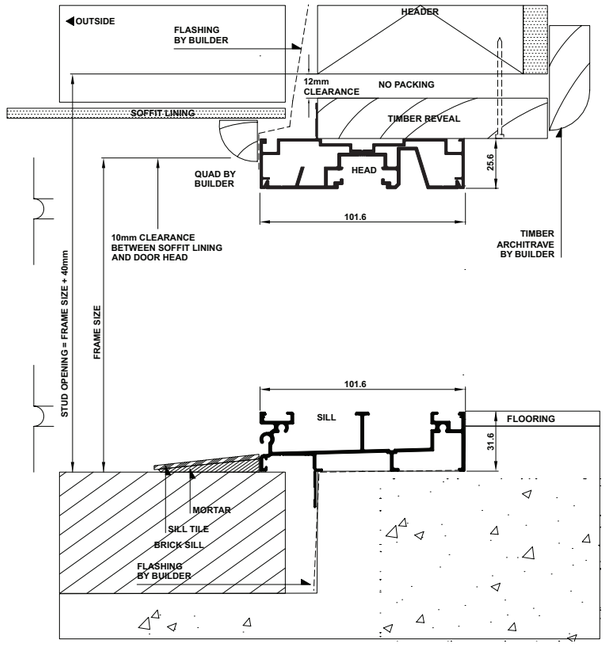
Building In Detail | **Brick Veneer - 240mm wall | Rebated**

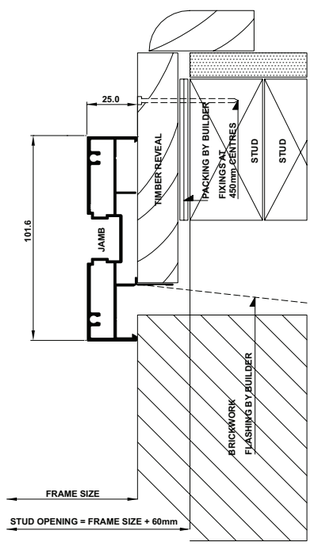
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
  Width = Frame Size + 60mm

- Secure aluminum door by nailing through reveal into studwork - fixing at 450mm maximum centres.
- Sill bricks should be at least 10mm clear of door frame to allow settlement in brick veneer construction.
- Header beam should be at least 12mm clear of door 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 doors, sill must be fully supported.
- Ensure outside finish does not block sill drainage holes.





Please note that drawings displayed are not to scale

Hinge Door - Installation

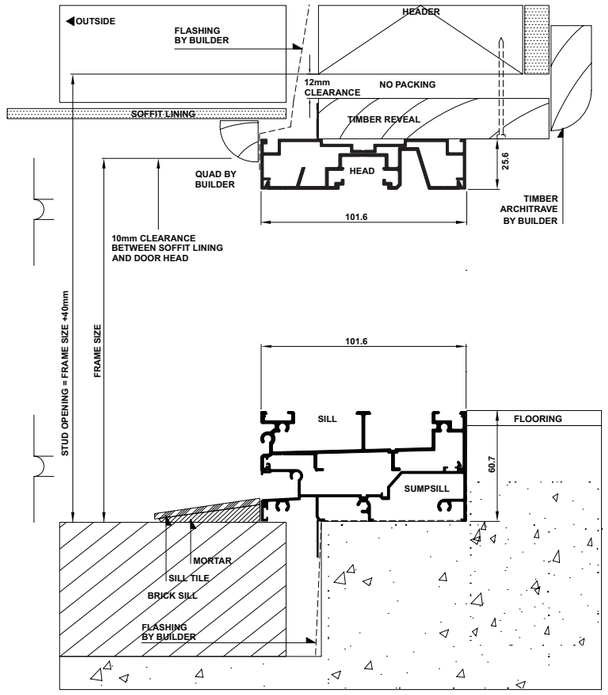
Building In Detail | **Brick Veneer - 240mm wall | Rebated | Sump Sill**

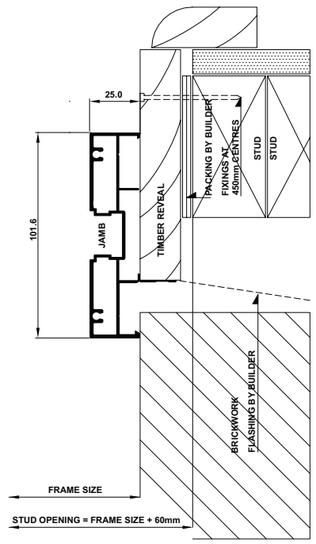
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
  Width = Frame Size + 60mm

- Secure aluminum door by nailing through reveal into studwork - fixing at 450mm maximum centres.
- Sill bricks should be at least 10mm clear of door frame to allow settlement in brick veneer construction.
- Header beam should be at least 12mm clear of door 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 doors, sill must be fully supported.
- Ensure outside finish does not block sill drainage holes.





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Hinge Door - Installation

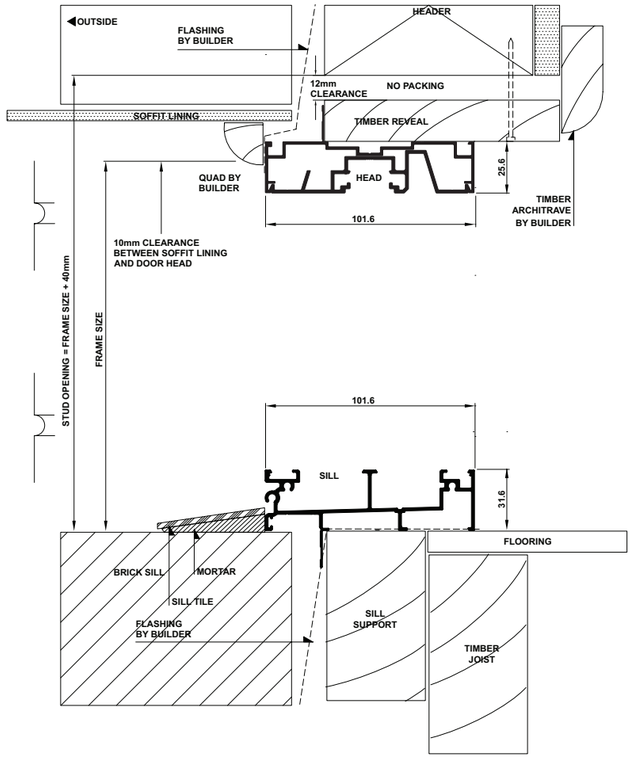
Building In Detail | **Brick Veneer - 240mm wall | Joists**

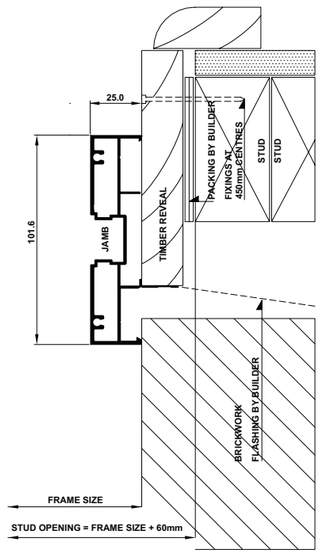
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
Width = Frame Size + 60mm

- Secure aluminum door by nailing through reveal into studwork - fixing at 450mm maximum centres.
- Sill bricks should be at least 10mm clear of door frame to allow settlement in brick veneer construction.
- Header beam should be at least 12mm clear of door 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 doors, sill must be fully supported.
- Ensure outside finish does not block sill drainage holes.





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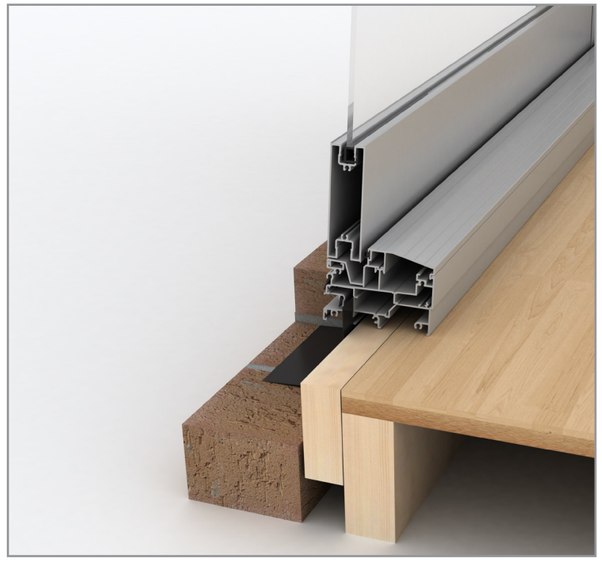
Hinge Door - Installation

Building In Detail | **Brick Veneer - 240mm wall | Joists | Sump Sill**

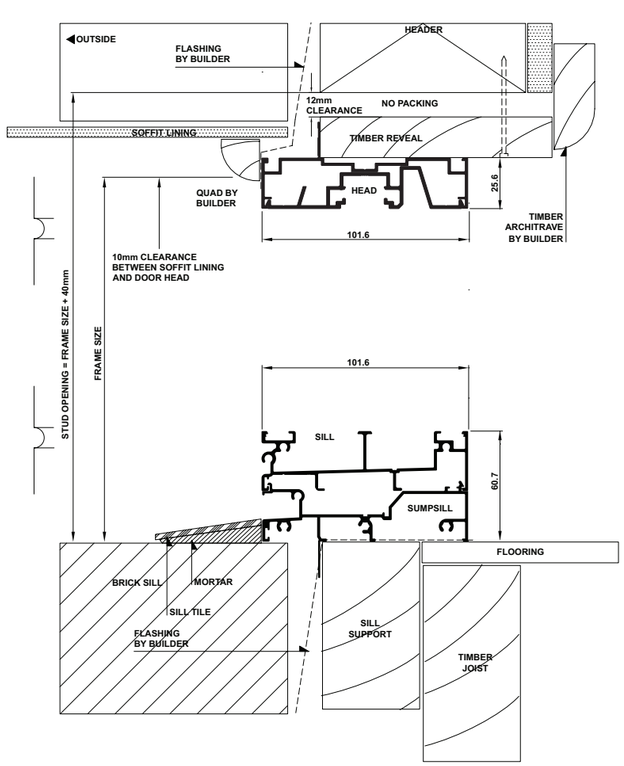


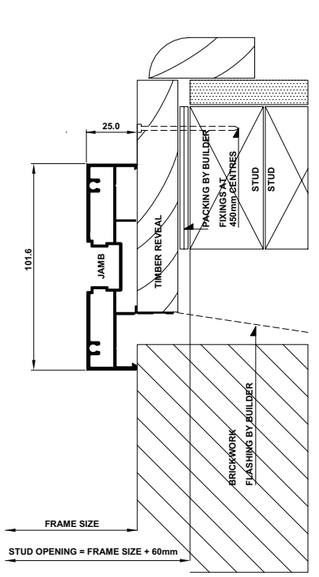
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
Width = Frame Size + 60mm

- Secure aluminum door by nailing through reveal into studwork - fixing at 450mm maximum centres.
- Sill bricks should be at least 10mm clear of door frame to allow settlement in brick veneer construction.
- Header beam should be at least 12mm clear of door 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 doors, sill must be fully supported.
- Ensure outside finish does not block sill drainage holes.





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Hinge Door - Installation

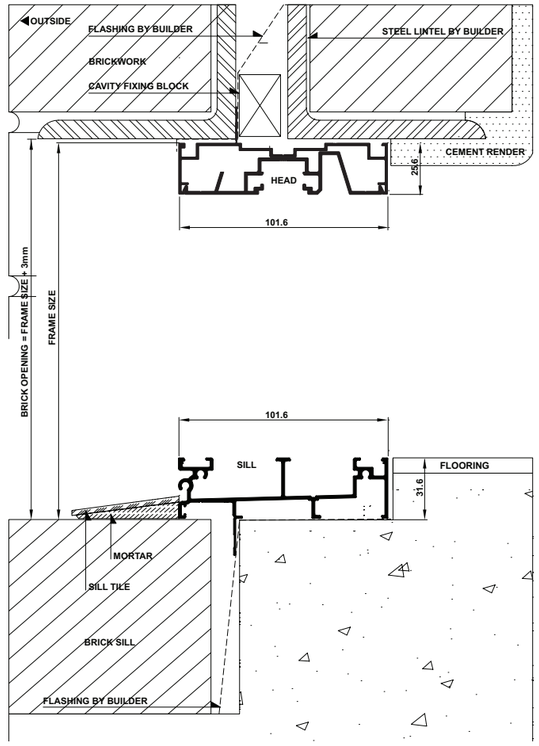
Building In Detail | **Double Brick - 280mm wall**

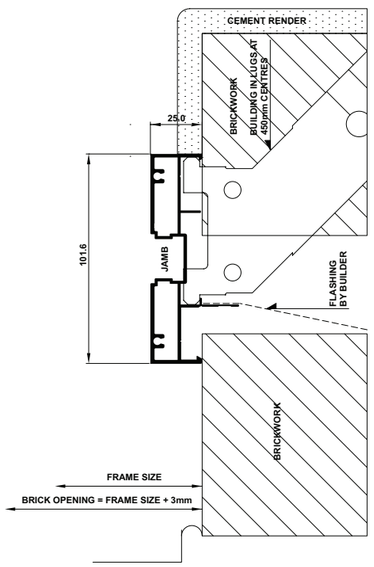
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 3mm
  Width = Frame Size + 3mm

- Secure aluminum door 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.)**
- To ensure the satisfactory long term performance of doors, sill must be fully supported.
- Ensure outside finish does not block sill drainage holes.

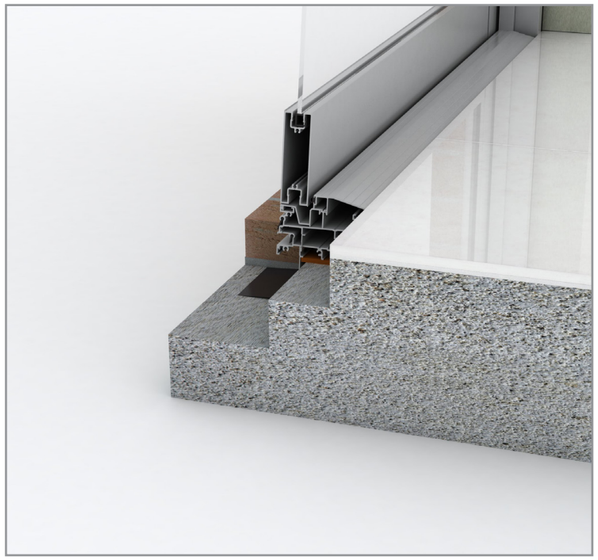




Please note that drawings displayed are not to scale

Hinge Door - Installation

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

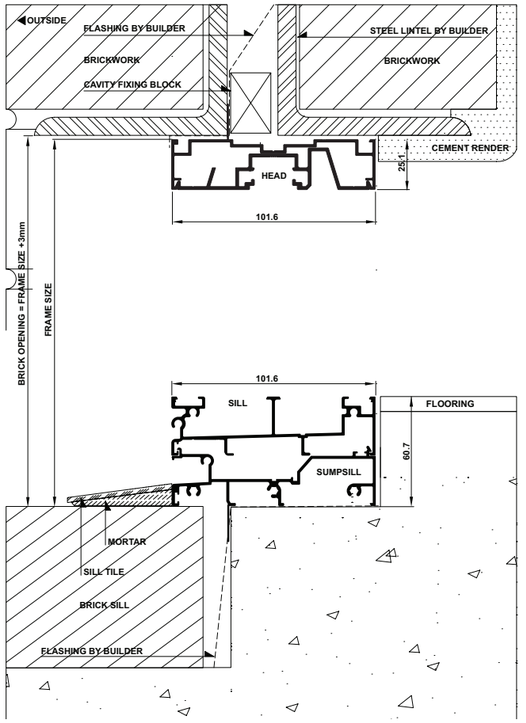


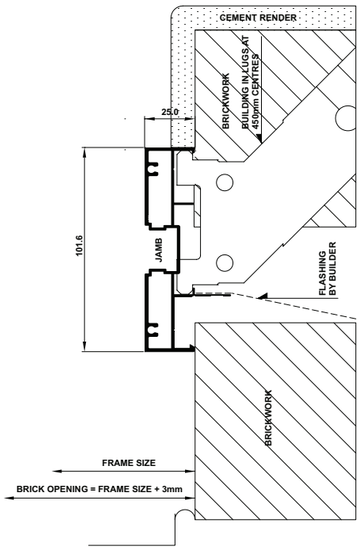
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 3mm
  Width = Frame Size + 3mm

- Secure aluminum door 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.)**
- To ensure the satisfactory long term performance of doors, sill must be fully supported.
- Ensure outside finish does not block sill drainage holes.





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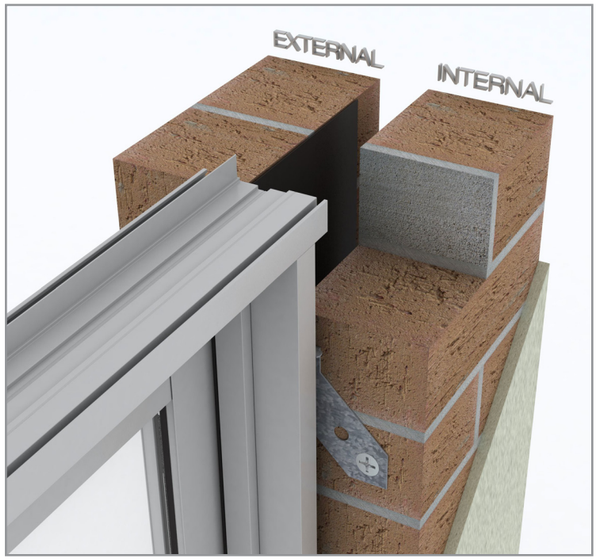
Hinge Door - Installation

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

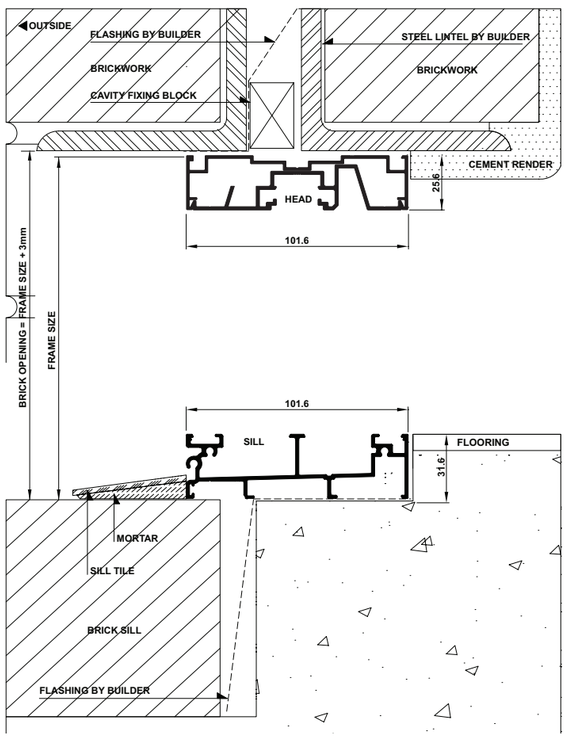


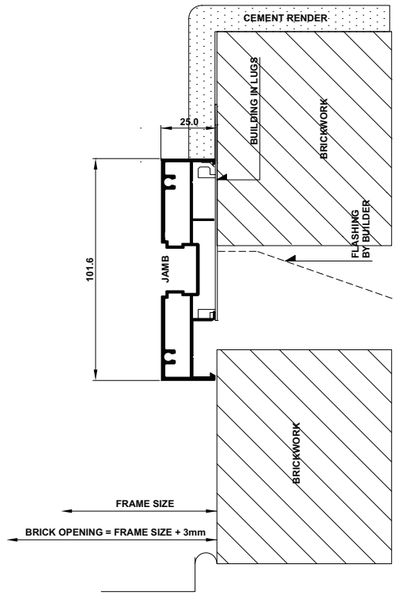
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 doors using building lug into mortor - fixing at 450mm max centres
- Sill bricks should be at least10 mm 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 doors, sill must be fully supported.
- Ensure outside finish does not block sill drainage holes.

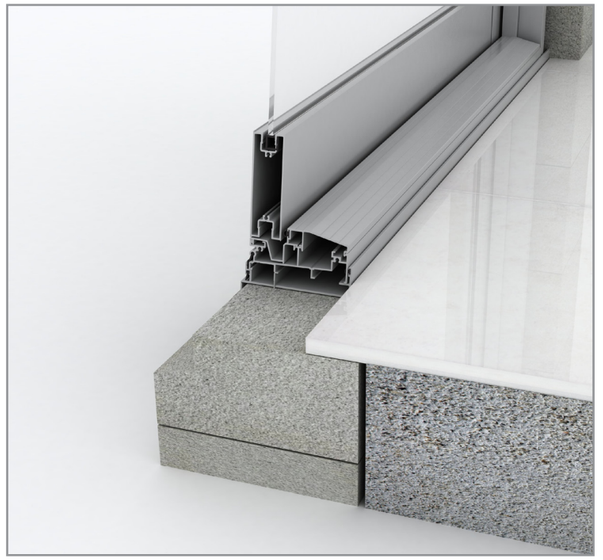




Please note that drawings displayed are not to scale

Hinge Door - Installation

Building In Detail | **Blockwork**

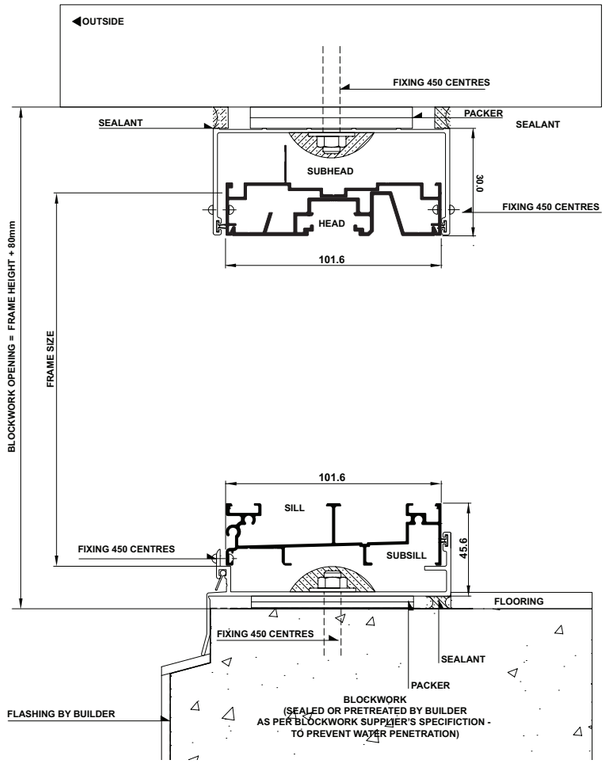


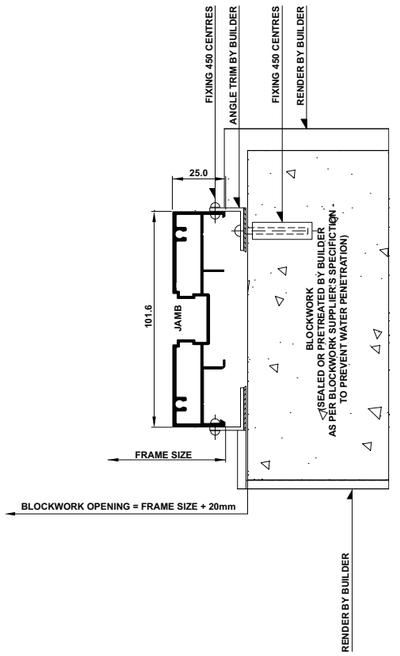
INSTALLING FRAME CORRECTLY

- 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.
- 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.)**
- To ensure the satisfactory long term performance of doors, sill must be fully supported.
- Ensure outside finish does not block sill drainage holes.





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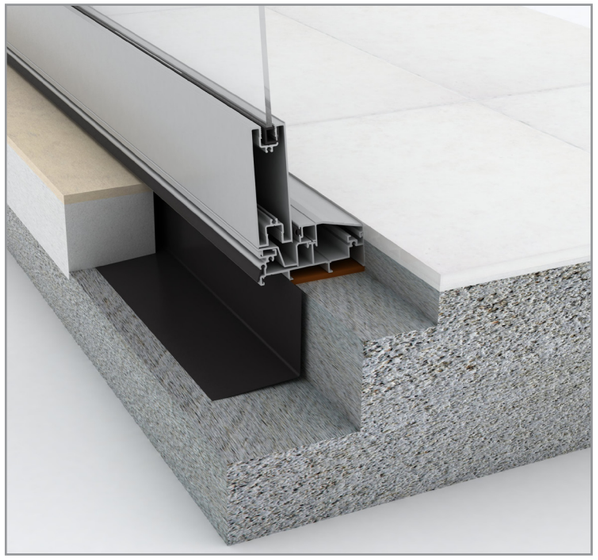
Hinge Door - Installation

Building In Detail | **Cladding on Studwall**

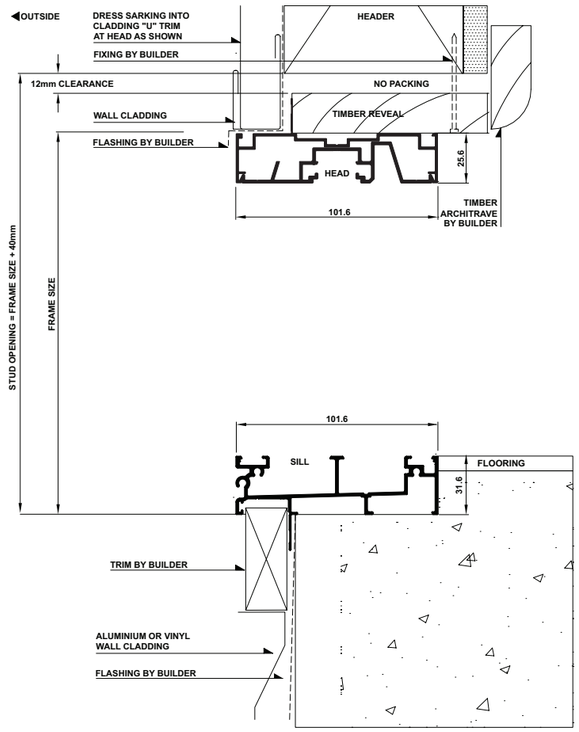


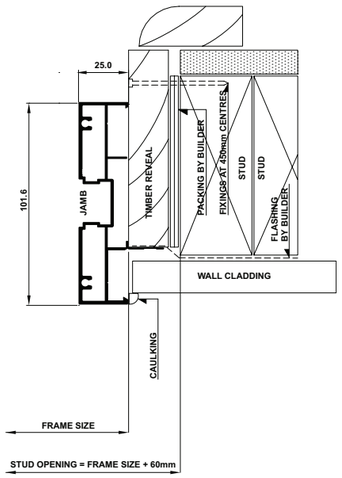
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
  Width = Frame Size + 60mm

- Secure aluminum door 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.)**
- To ensure the satisfactory long term performance of doors, install sill support (refer to drawings below).
- Ensure outside finish does not block sill drainage holes.

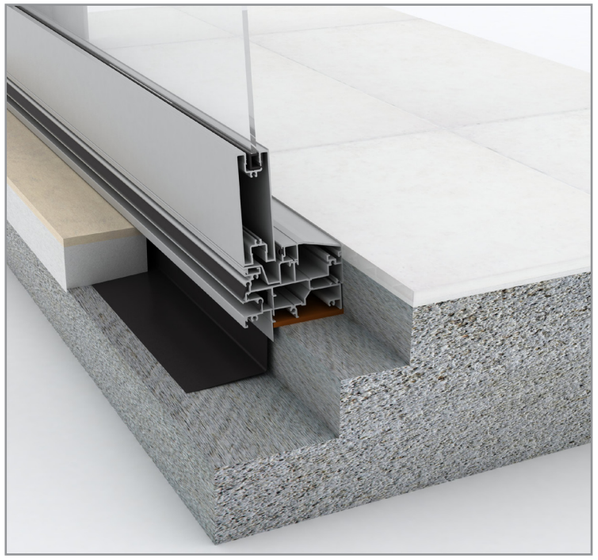




Please note that drawings displayed are not to scale

Hinge Door - Installation

Building In Detail | **Cladding on Studwall | Sump Sill**

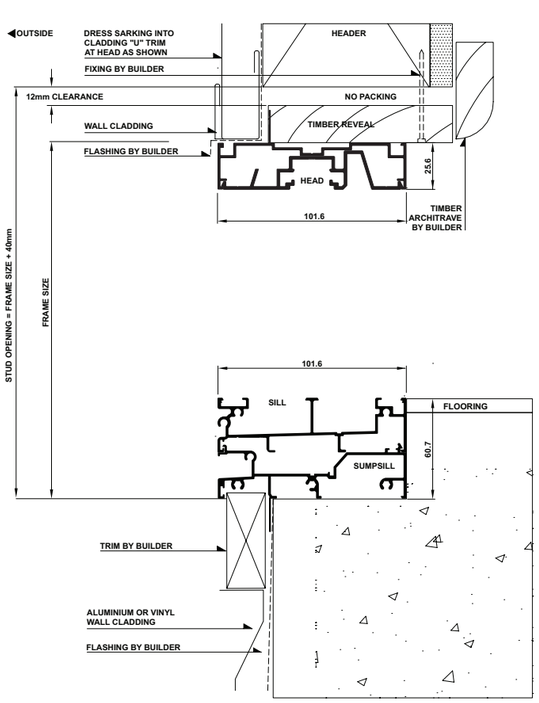


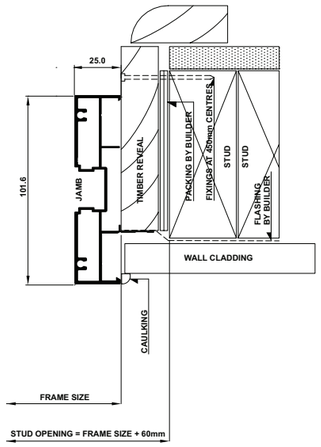
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
  Width = Frame Size + 60mm

- Secure aluminum door 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.)**
- To ensure the satisfactory long term performance of doors install sill support (refer to drawings below).
- Ensure outside finish does not block sill drainage holes.





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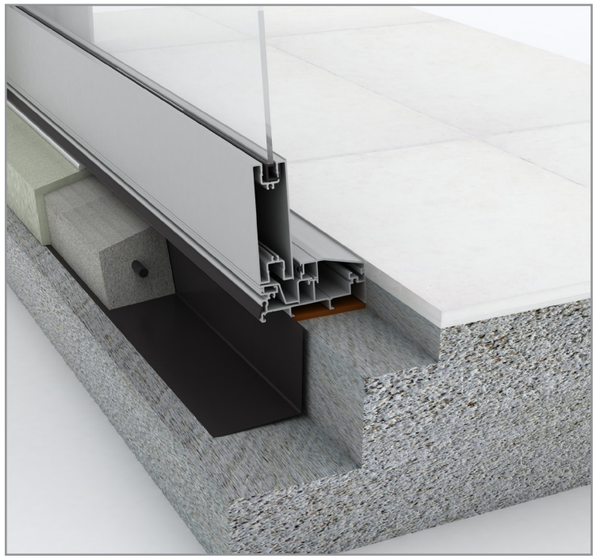
Hinge Door - Installation

Building In Detail | **Hebel Power Panel**

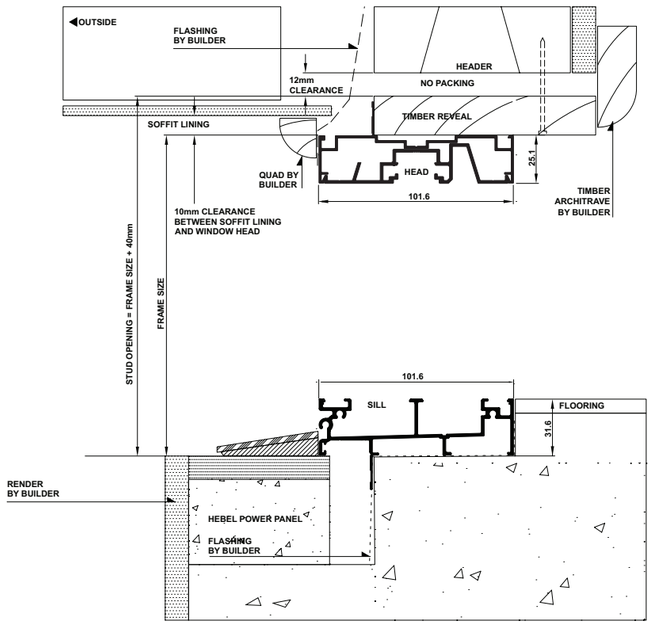


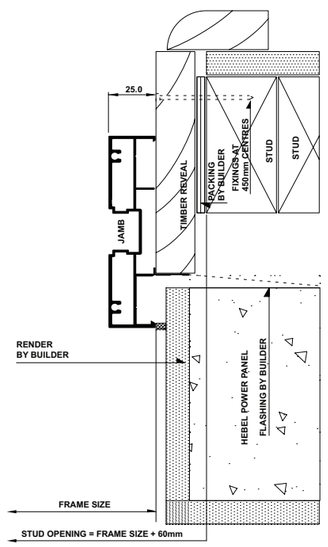
INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
  Width = Frame Size + 60mm

- Secure aluminum door 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.)**
- To ensure the satisfactory long term performance of doors, sill must be fully supported.
- Ensure outside finish does not block sill drainage holes.





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Hinge Door - Installation

Building In Detail | **Hebel Power Panel | Sump Sill**

INSTALLING FRAME CORRECTLY

- Fit flashing to door 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 + 40mm
  Width = Frame Size + 60mm

- Secure aluminum door by nailing through reveal into studwork - fixing at 450mm maximum centres.
- Header beam should be at least 12mm clear of window frame.
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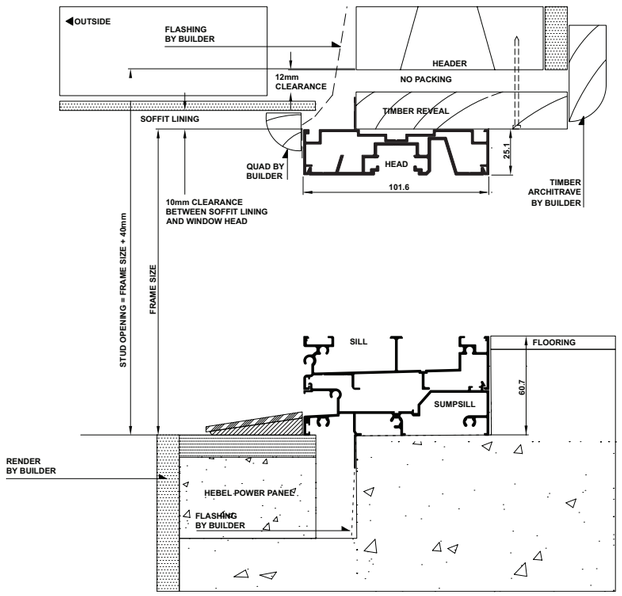

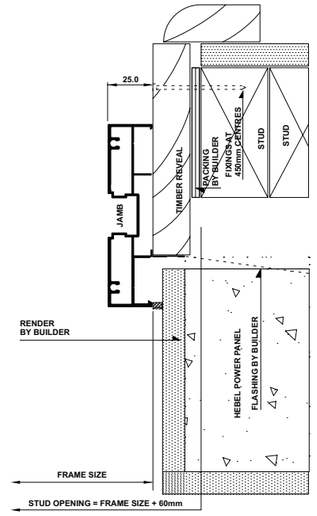

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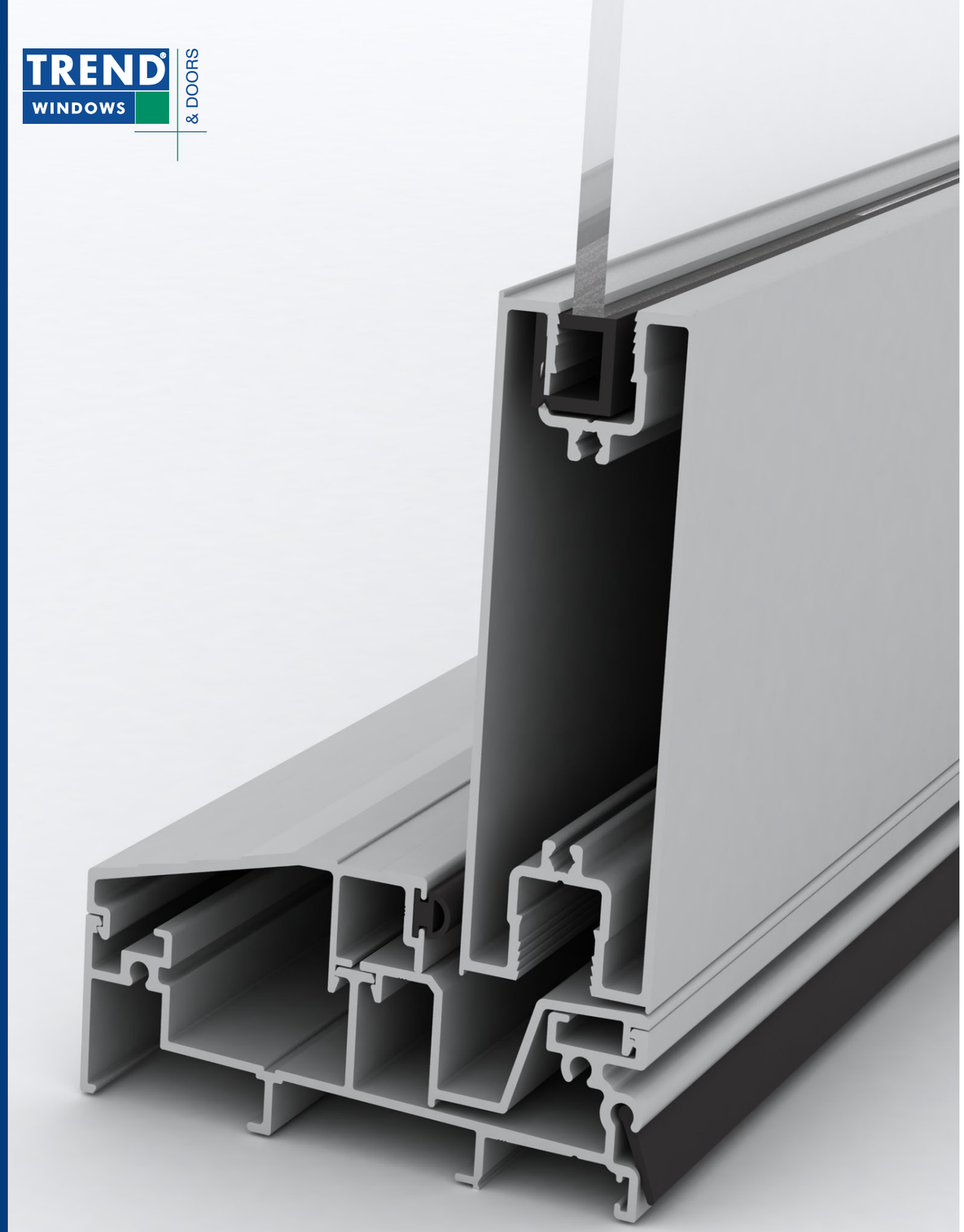
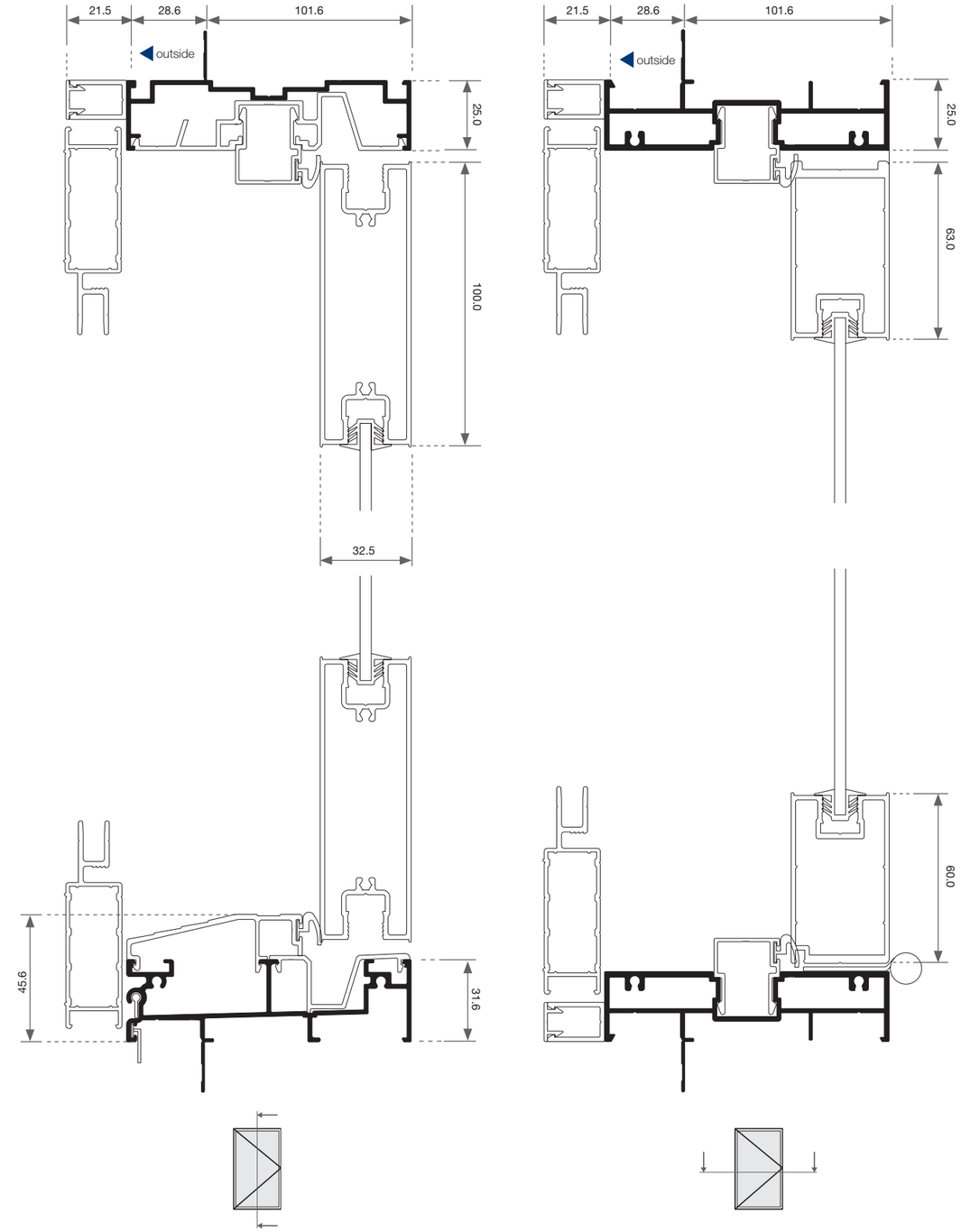


Quantum® Hinge Door

Cross Sectional Views

Hinge Door - Cross Sectional View

Single | Open In



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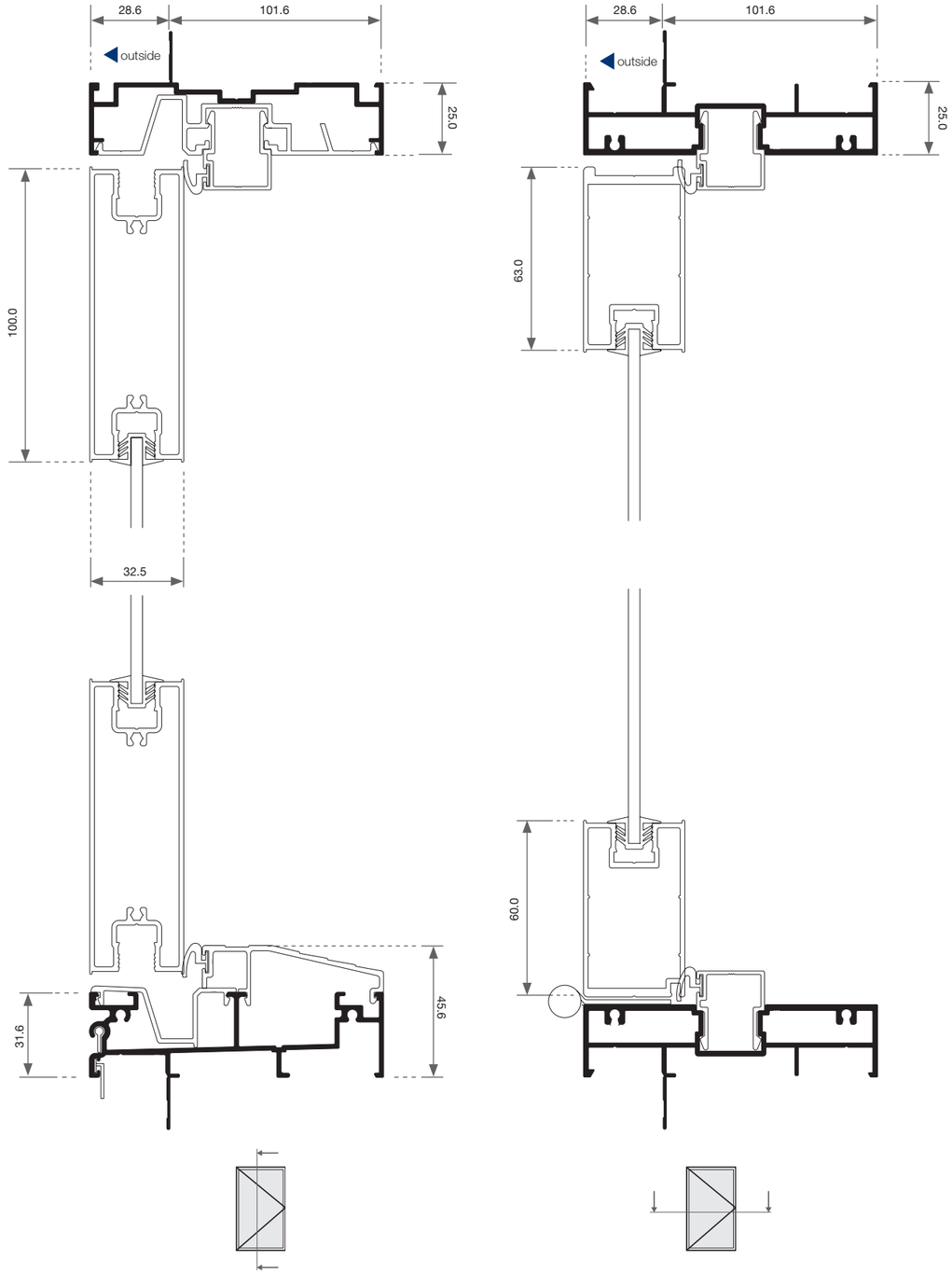
Hinge Door - Cross Sectional View

Single | Open Out



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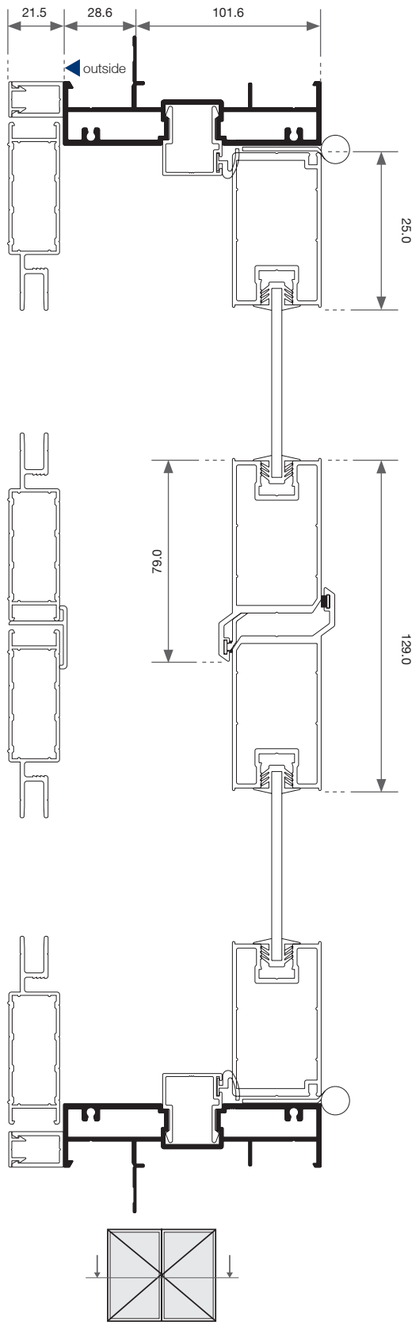
Hinge Door - Cross Sectional View

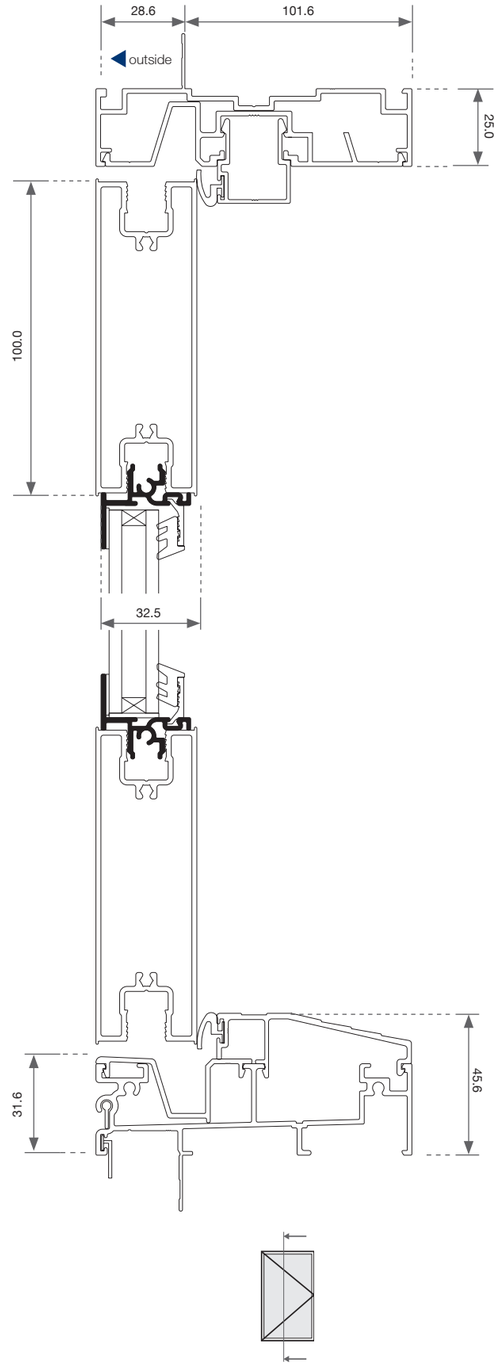
Pair | Open In

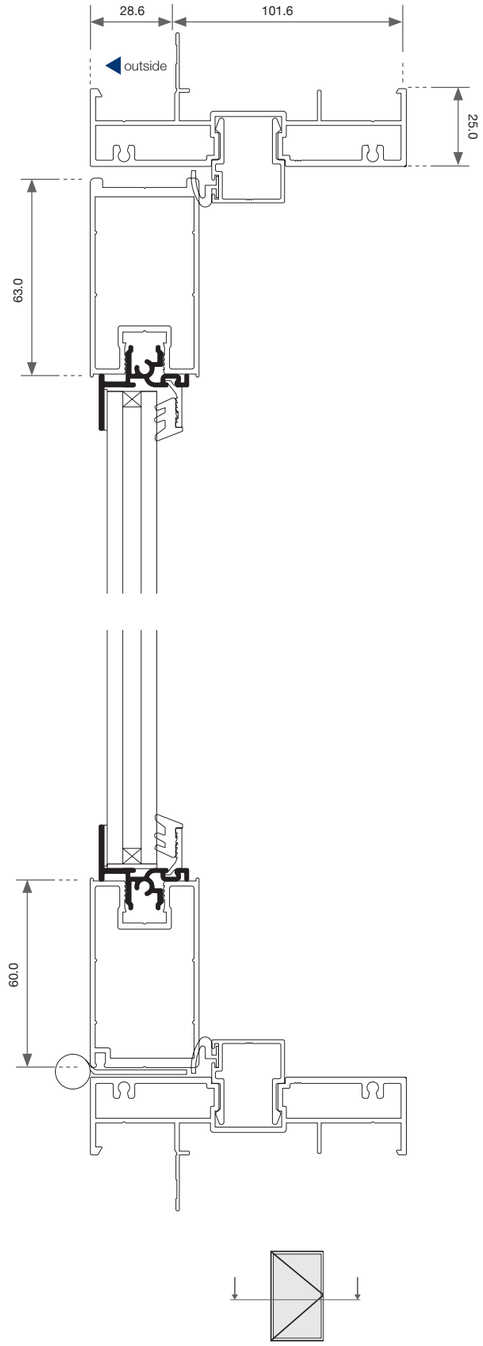


Please note that drawings displayed are not to scale

Hinge Door - Cross Sectional View

Single | Double Glazed





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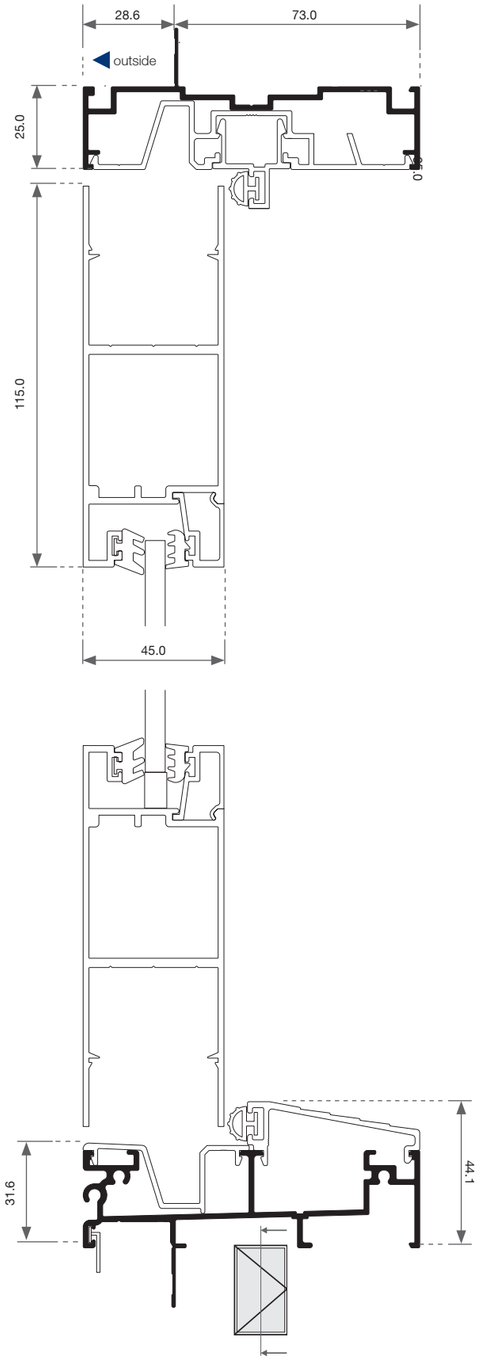
Hinge Door - Cross Sectional View

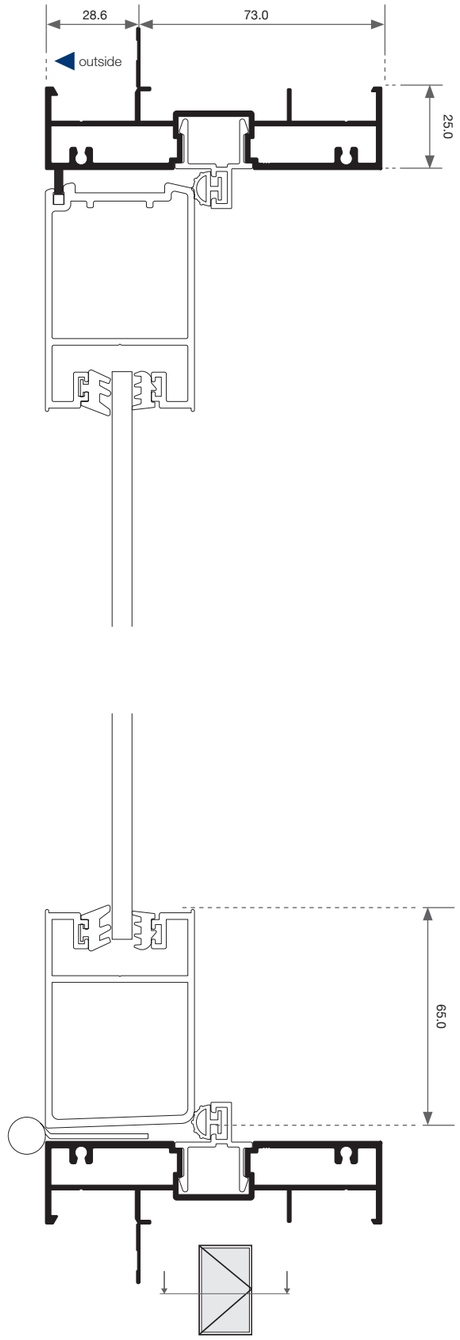
Single | Heavy Duty | Open Out | Elevation



Please note that drawings displayed are not to scale

Hinge Door - Cross Sectional View

Single | Heavy Duty | Open Out | Plan



Please note that drawings displayed are not to scale

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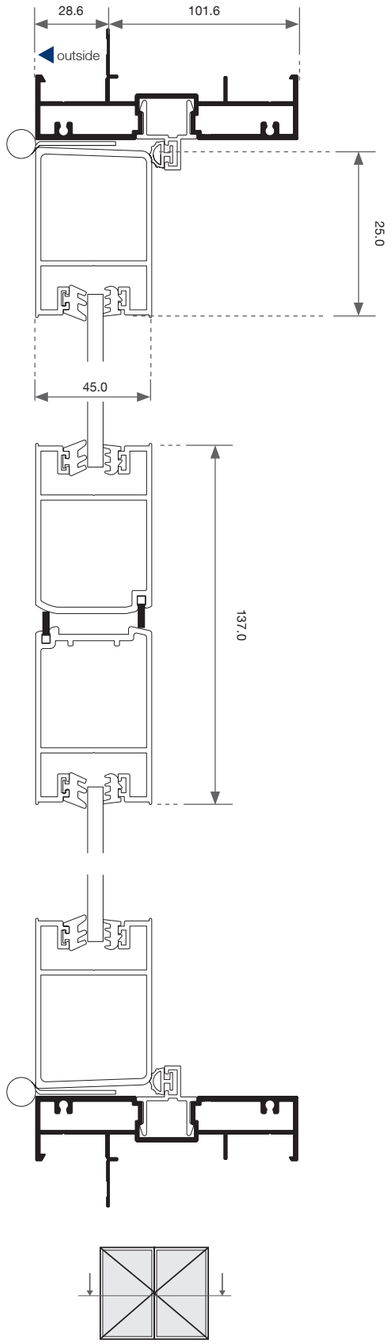
Hinge Door

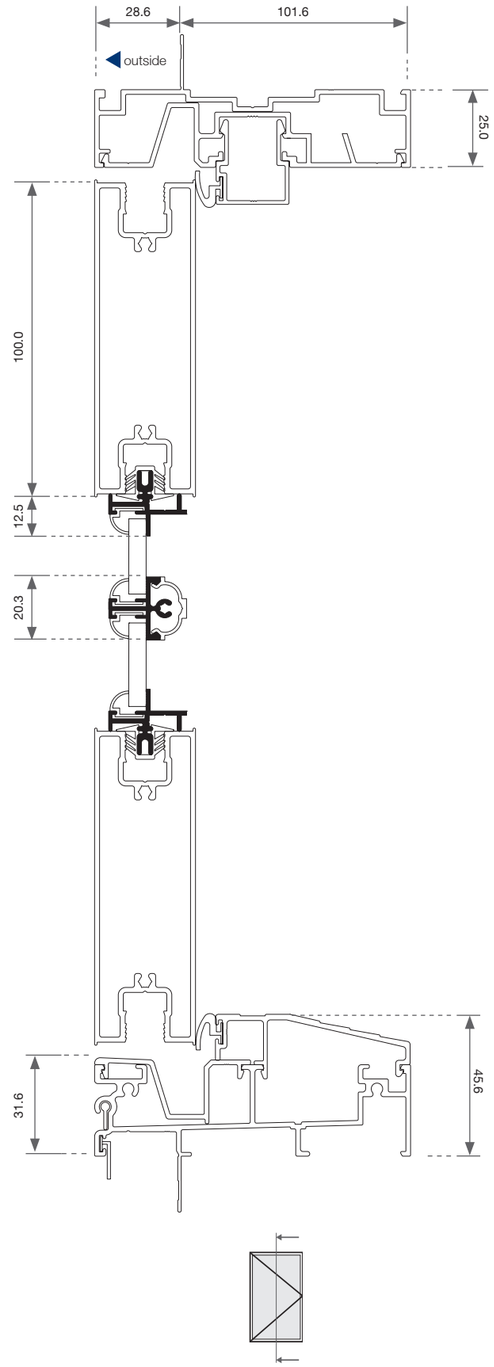
Pair | Heavy Duty | Open Out

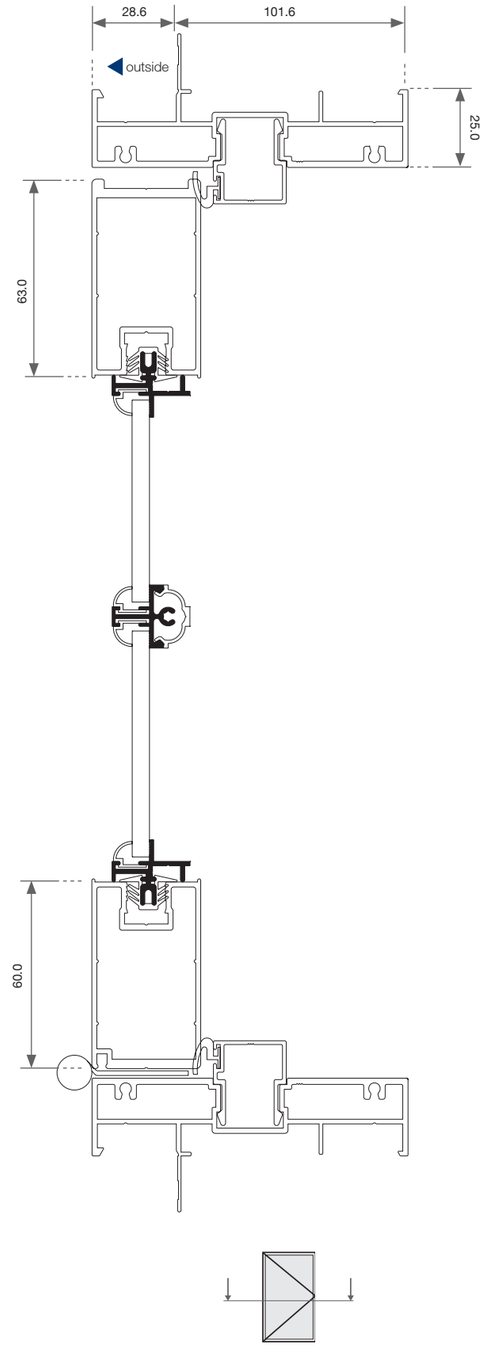


Please note that drawings displayed are not to scale

Cross Sectional View

Cross Sectional Views | **Single | Ovolo**





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Quantum®

Care & Maintenance

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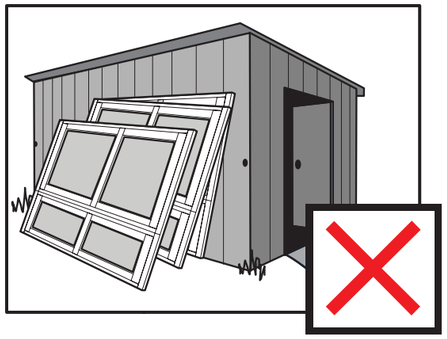
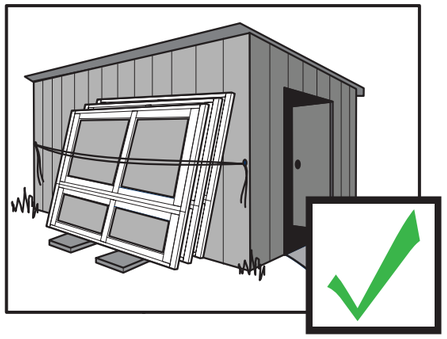
STORAGE

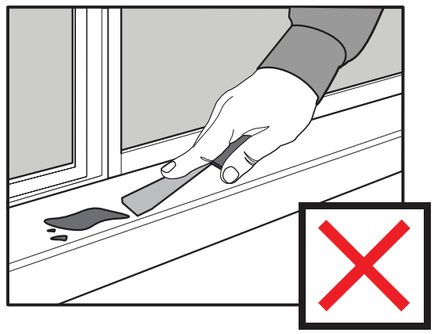
On site, windows and doors should be stored in a clean dry free area from cement, lime, paint, acid etc. During and after installation windows and doors must be protected from building, materials and loose debris such as wet plaster, mortar, paint and welding splatter. Wet plaster and mortar should be removed immediately and soiled areas washed down with a sponge and clean water and a sponge or rag, to avoid permanent staining or scratching of finished surfaces.

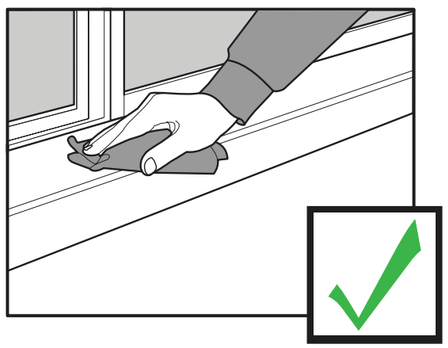




DEBRIS REMOVAL

If removal of debris is delayed and scraping becomes necessary the surface finish may be damaged. Remove cement, mortar and other droppings immediately, using ample clean water and a sponge or rag to avoid permanent staining of finished surfaces.

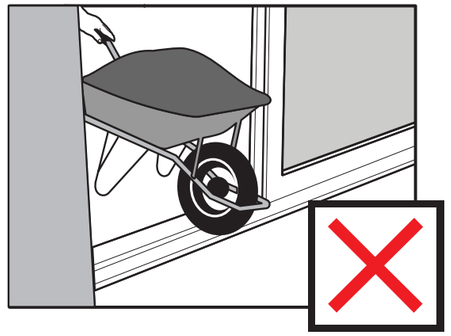


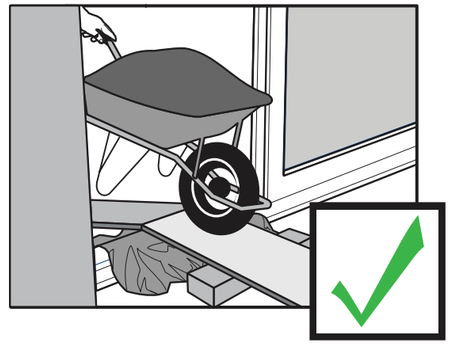


Please note that drawings displayed are not to scale

ON-SITE PROTECTION

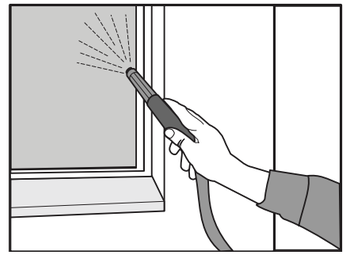
Door tracks and window sills should be protected from planks, scaffolding and barrows.





ON-SITE CLEANING

Acid used for cleaning brickwork must be prevented from making contact with powder coated aluminium window and door surfaces. If any acid or similar corrosive material does come into contact with window or door surfaces those areas must be washed immediately with large quantities of clean water.



If using a hose or similar apparatus to clean windows and/or doors ensure the hose nozzle/jet fitting is set to a fine spray as shown in the diagram. At no time should a window or door be hit with full force of a hose nozzle/jet setting.

If stripable coatings or pressure sensitive tapes are used to protect exposed surfaces, care must be taken not to damage the finish during their removal. Prolonged exposure to sunlight can make them increasingly difficult to remove.

MAINTENANCE CONDITIONS

1. All powdercoated surfaces should be cleaned using a soft cloth or sponge with a solution of warm water.
   In industrial environments or environments with atmospheric pollution the normal frequency of cleaning should be at not more than three (3) monthly intervals. However, where there is high atmospheric pollution, such as a marine/coastal environment, cleaning should be conducted at monthly intervals.
   Where the atmosphere is deemed to be non-hazardous eg rural, the period between cleaning frequency can be extended up to twelve (12) months.

2. Remove cement mortar dropping from windows immediately, taking care to avoid scratching glass and frames as permanent damage can result. Trend® Windows & Doors will not be liable for any damage that may occur if the timber or aluminium painted surfaces come into contact with acid when cleaning brickwork.

3. Timber products MUST BE sealed (within one (1) month of delivery) with two coats of paint, varnish or sealer to both faces and edges including top and bottom. Exterior quality finishes in light reflective colours (not DARK colours) must be applied to all products exposed to direct sunlight or the elements.

Please note that drawings displayed are not to scale

TREND®
WINDOWS & DOORS

Trend® National Customer Assistance Centre

(between 8:30am - 4:30pm EST, Mon-Fri)

13 72 74

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