

## 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

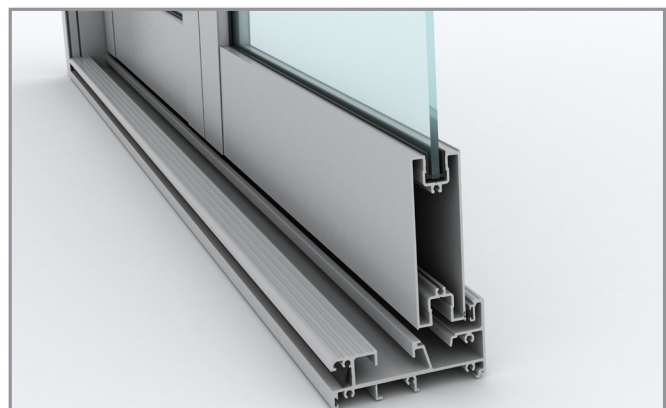
- All Trend® Windows and Doors comply with Australian Standards AS1288.
- Glazing options from 4mm single glazed to 18mm insulated glazed units (IGUs) .
- Available in a range of glazing option.
- Energy efficiency options available to help reduce home energy consumption.
- All glazing options are Window 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<sup>2</sup>.





## 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 vertical 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.

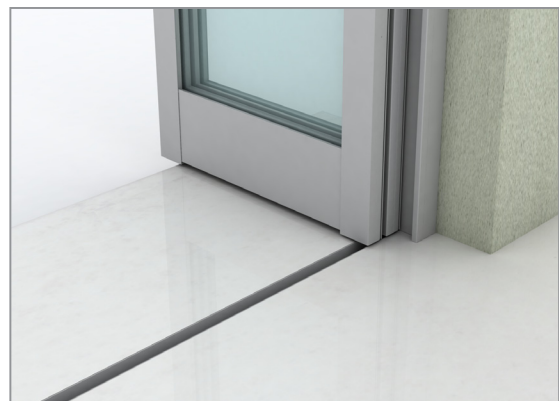
### OPTIONS

- 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.







# Quantum<sup>®</sup> Bifold Door

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## Installation



## Bifold Door - Installation

Building In Detail | Brick Veneer - 240mm wall



### INSTALLING FRAME CORRECTLY

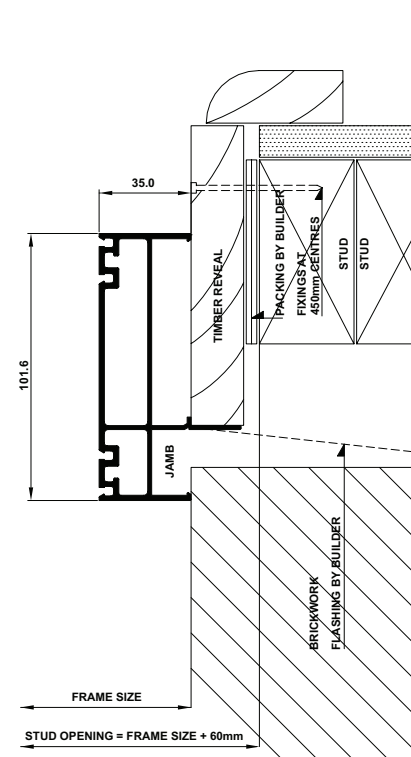
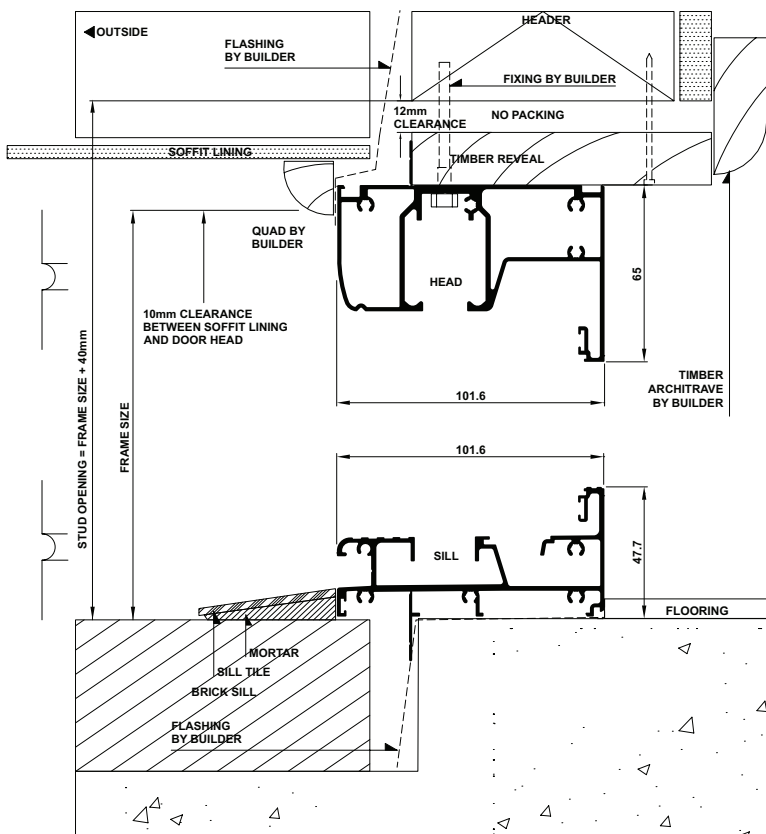
- Fit flashing to door surround (refer to drawing below).
- Measure the frame opening to ensure that there is sufficient room for the product and additional packing.

**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.





# Bifold Door - Installation

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

## INSTALLING FRAME CORRECTLY



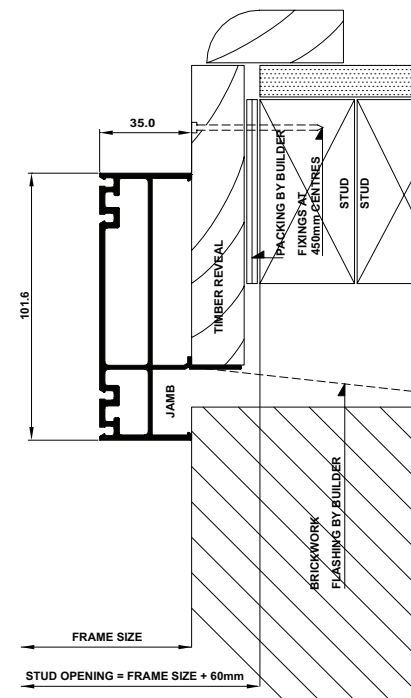
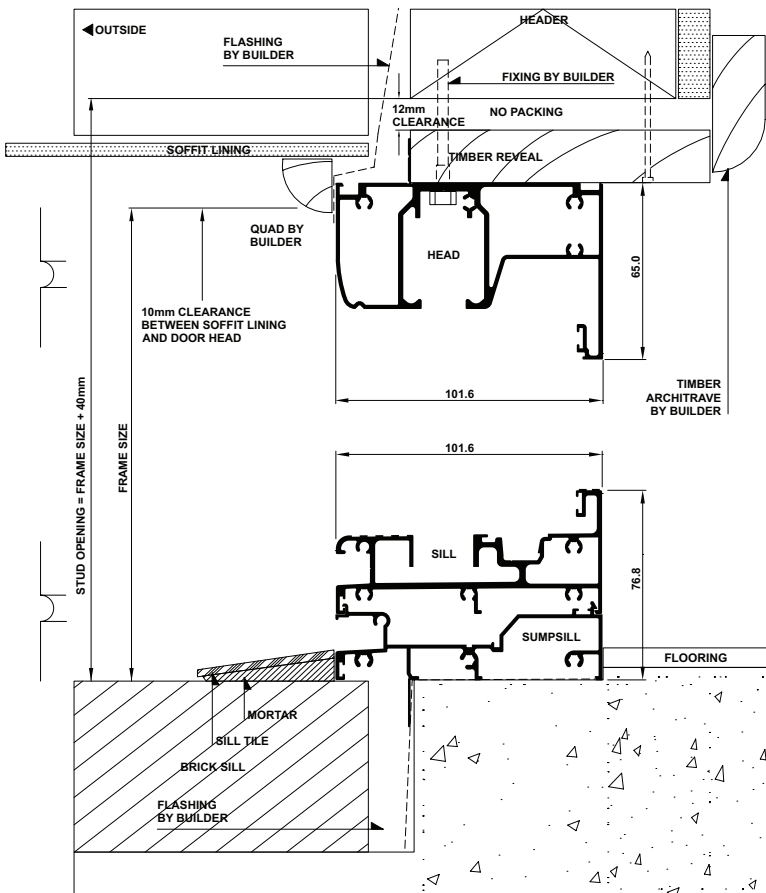
- Fit flashing to door surround (refer to drawing below).
- Measure the frame opening to ensure that there is sufficient room for the product and additional packing.

### 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

# Bifold Door - Installation

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



## INSTALLING FRAME CORRECTLY

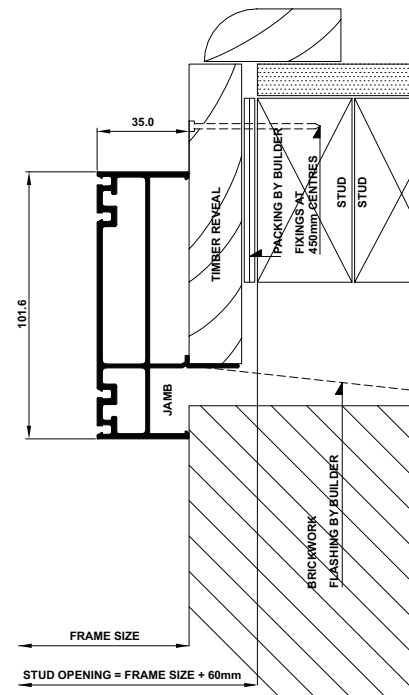
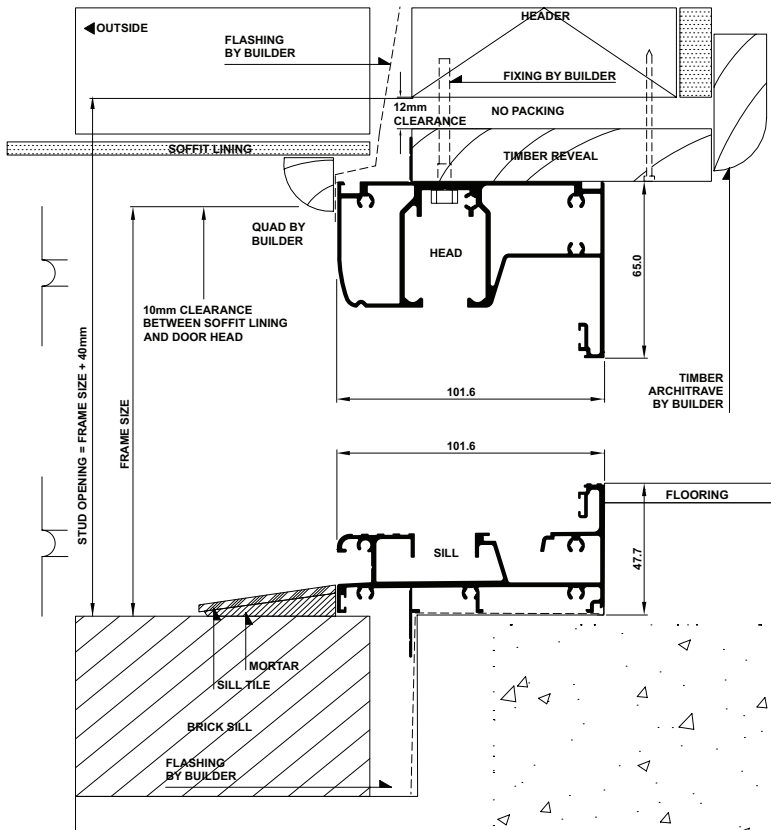
- Fit flashing to door surround (refer to drawing below).
- Measure the frame opening to ensure that there is sufficient room for the product and additional packing.

### 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.





# Bifold Door - Installation

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



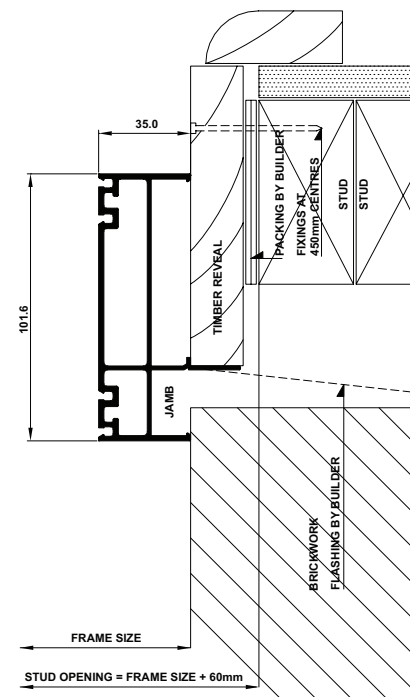
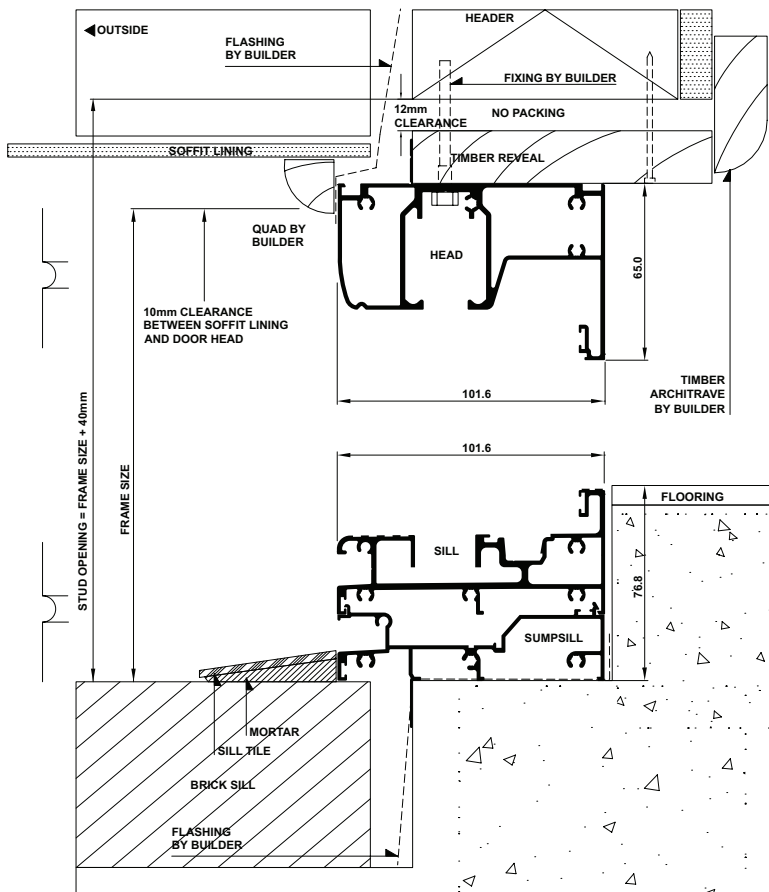
## INSTALLING FRAME CORRECTLY

- 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.

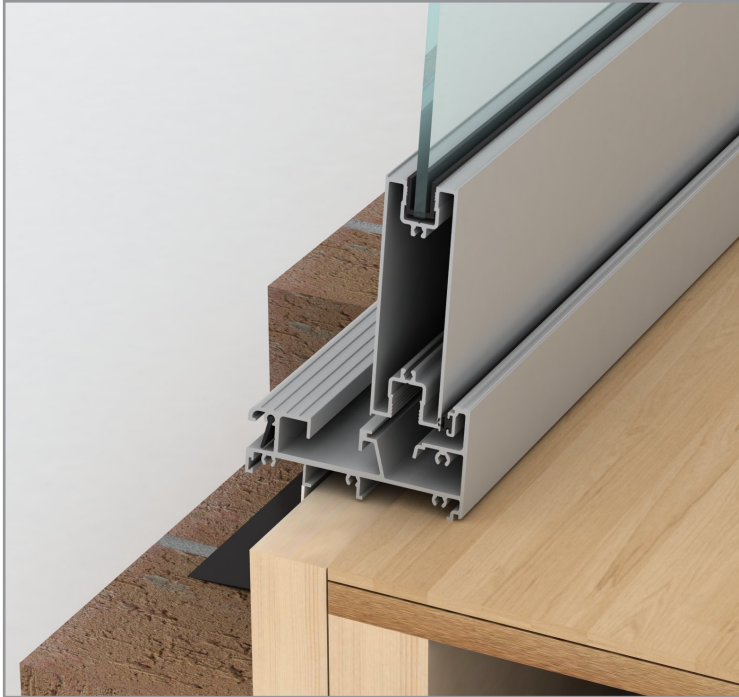


Please note that drawings displayed are not to scale



# Bifold Door - Installation

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



## INSTALLING FRAME CORRECTLY

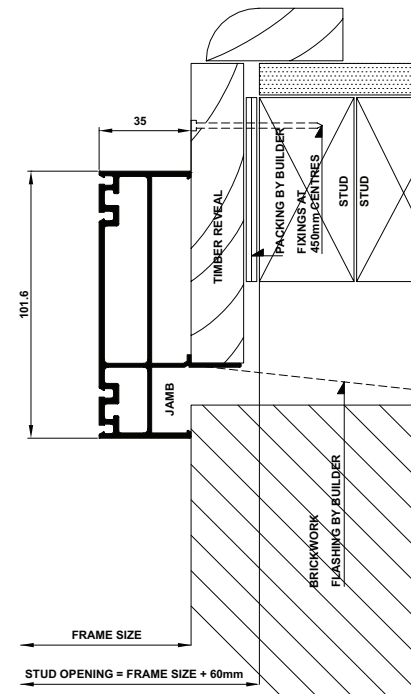
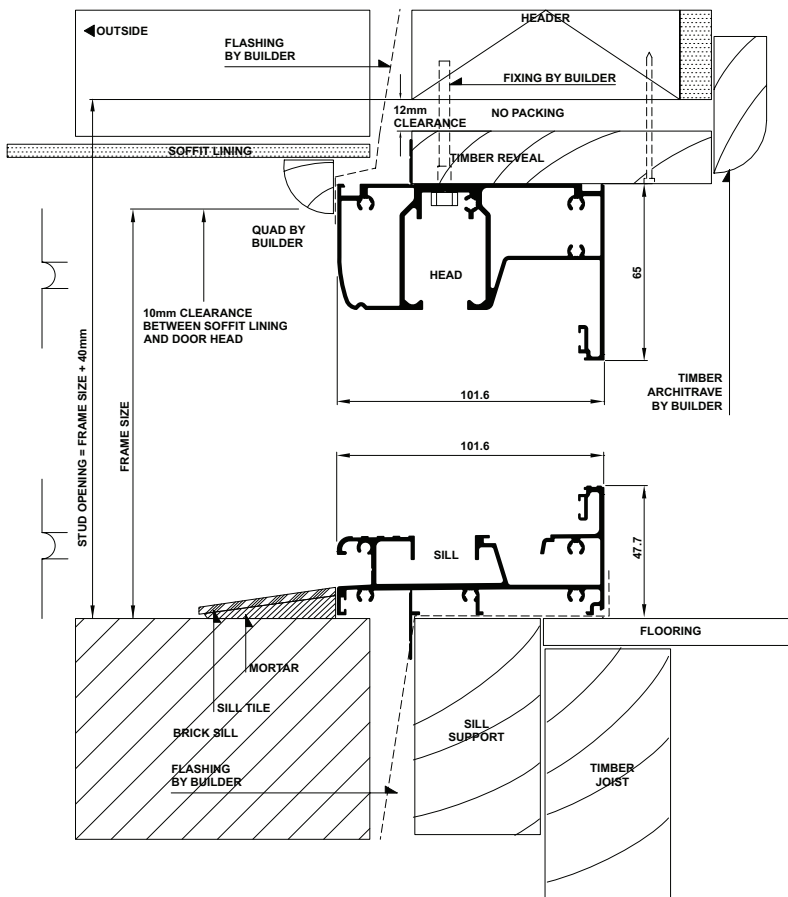
- Fit flashing to door surround (refer to drawing below).
- Measure the frame opening to ensure that there is sufficient room for the product and additional packing.

### 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.

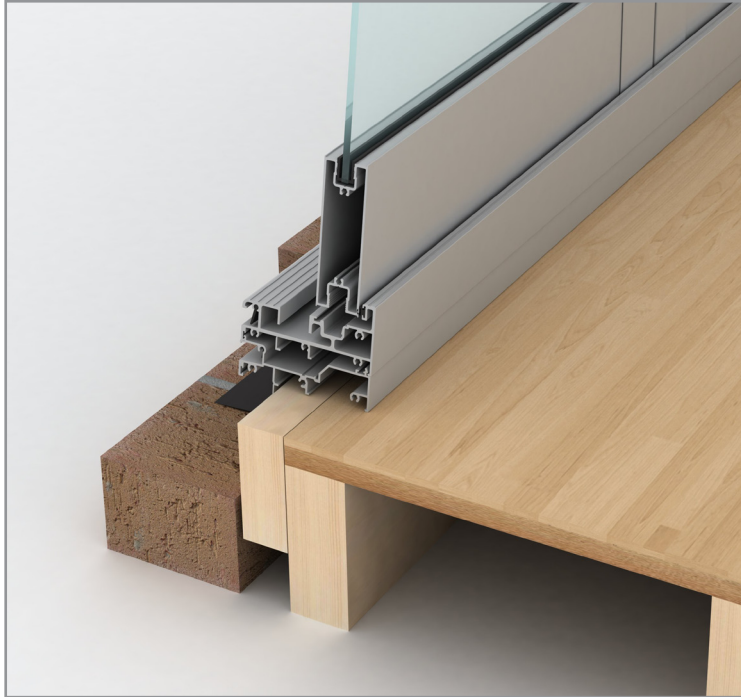






# Bifold Door - Installation

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



## INSTALLING FRAME CORRECTLY

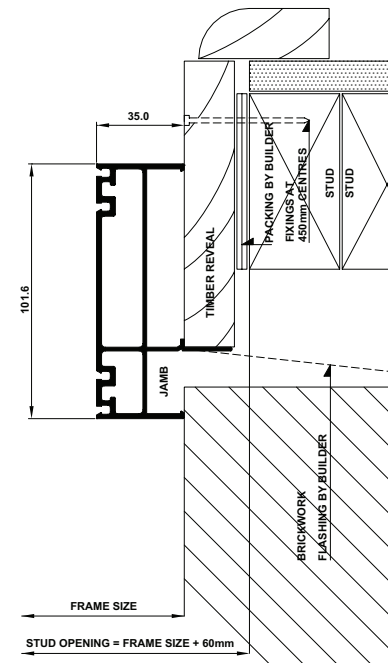
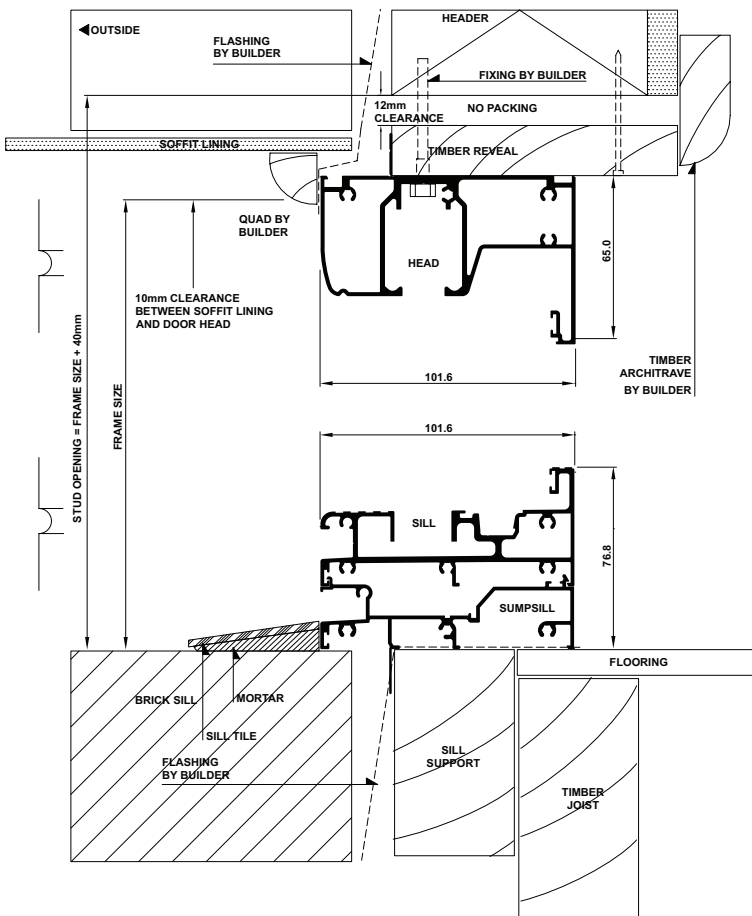
- Fit flashing to door surround (refer to drawing below).
- Measure the frame opening to ensure that there is sufficient room for the product and additional packing.

### 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.



Please note that drawings displayed are not to scale

# Bifold Door - Installation

Building In Detail | Double Brick - 280mm wall



## INSTALLING FRAME CORRECTLY

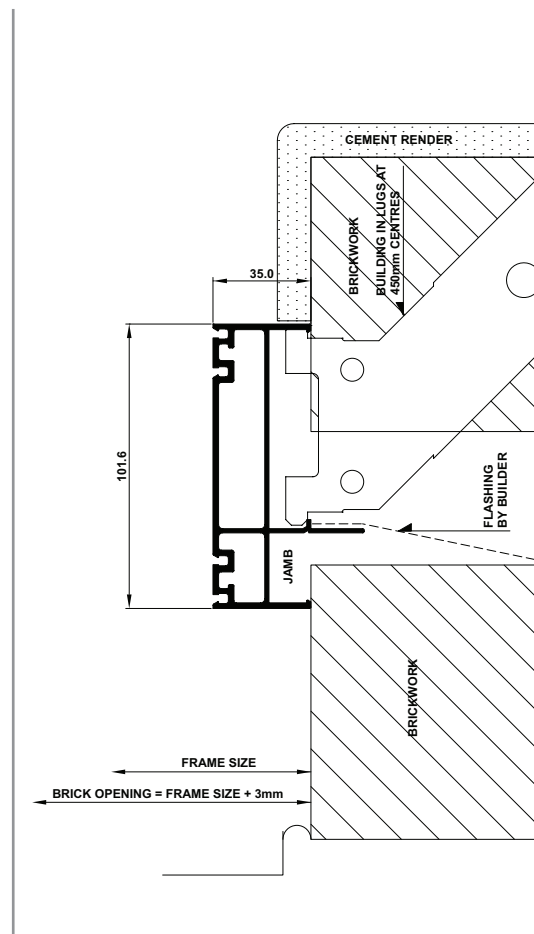
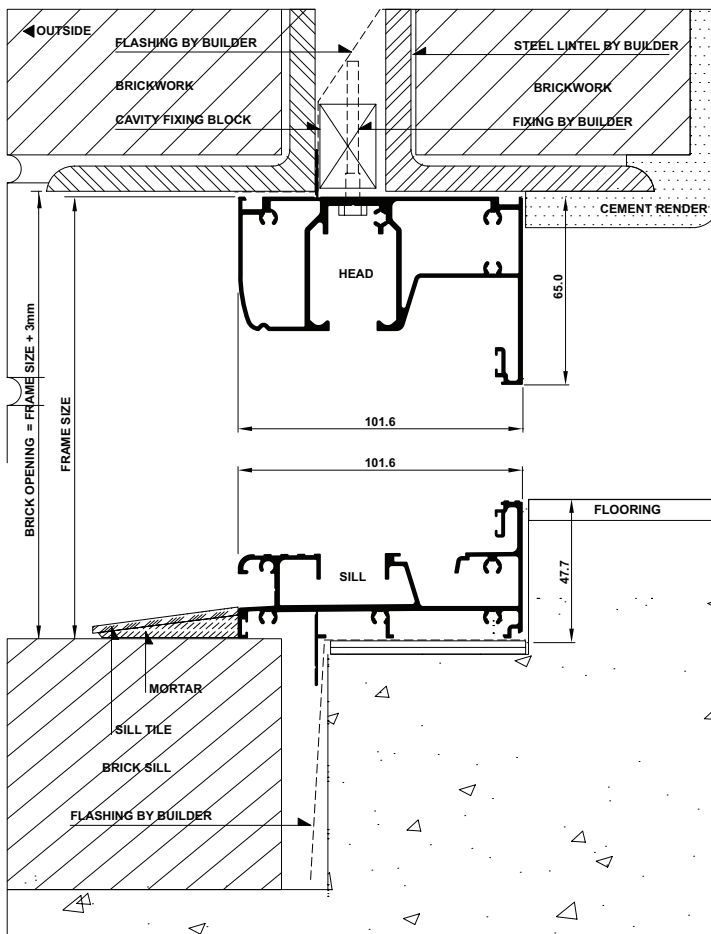
- Fit flashing to door surround (refer to drawing below).
- Measure the frame opening to ensure that there is sufficient room for the product and additional packing.

### 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

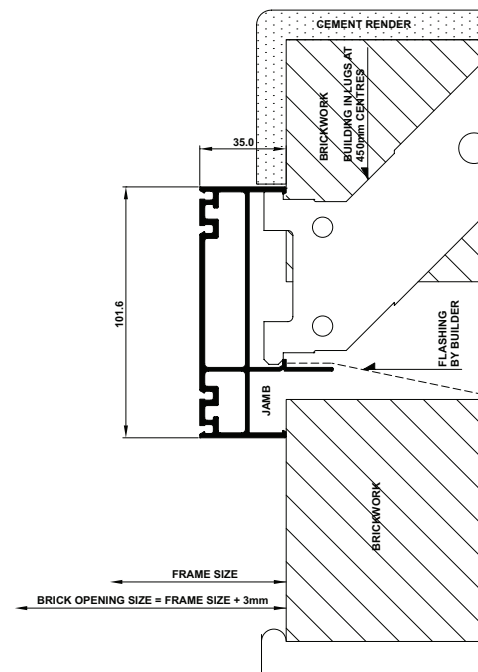
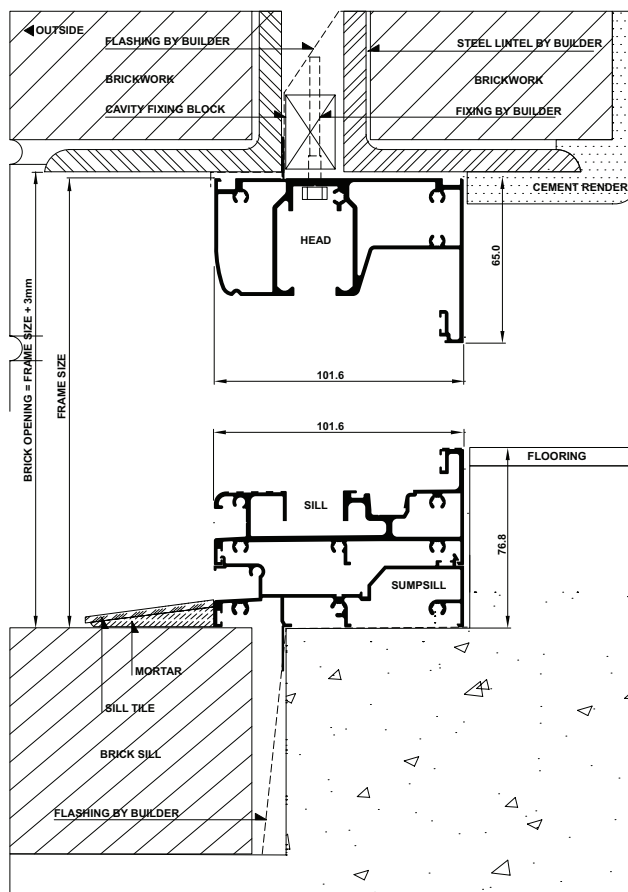
- Fit flashing to door surround (refer to drawing below).
- Measure the frame opening to ensure that there is sufficient room for the product and additional packing.

### Stud Opening:

Height = Frame Size + 3mm

Width = Frame Size + 3mm

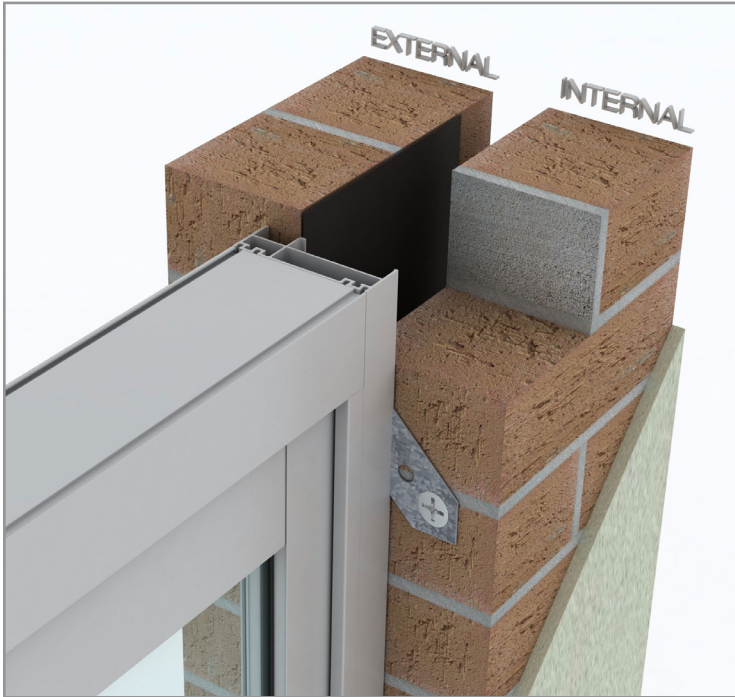
- Secure aluminum door by nailing through reveal into studwork - fixing at 450mm maximum centres.
- Header beam should be at least 12mm clear of window frame.
- Do not permit weight of eaves or arch bars to bear on any window or door frame. **(Windows and doors are not load bearing.)**
- To ensure the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

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



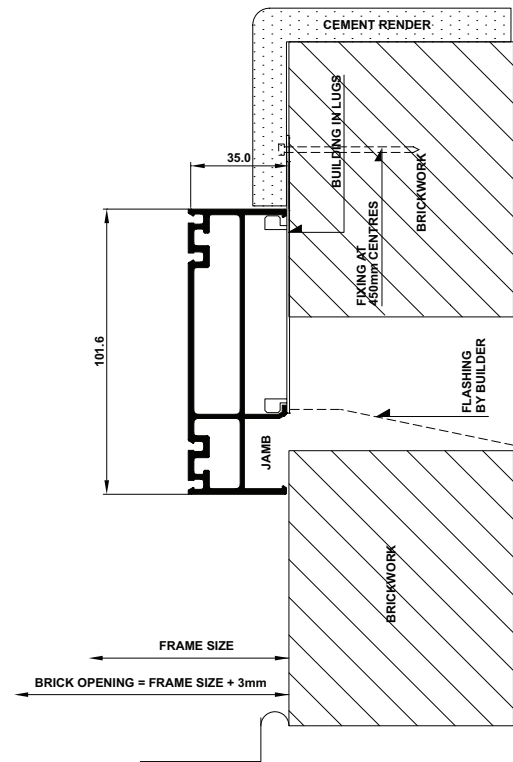
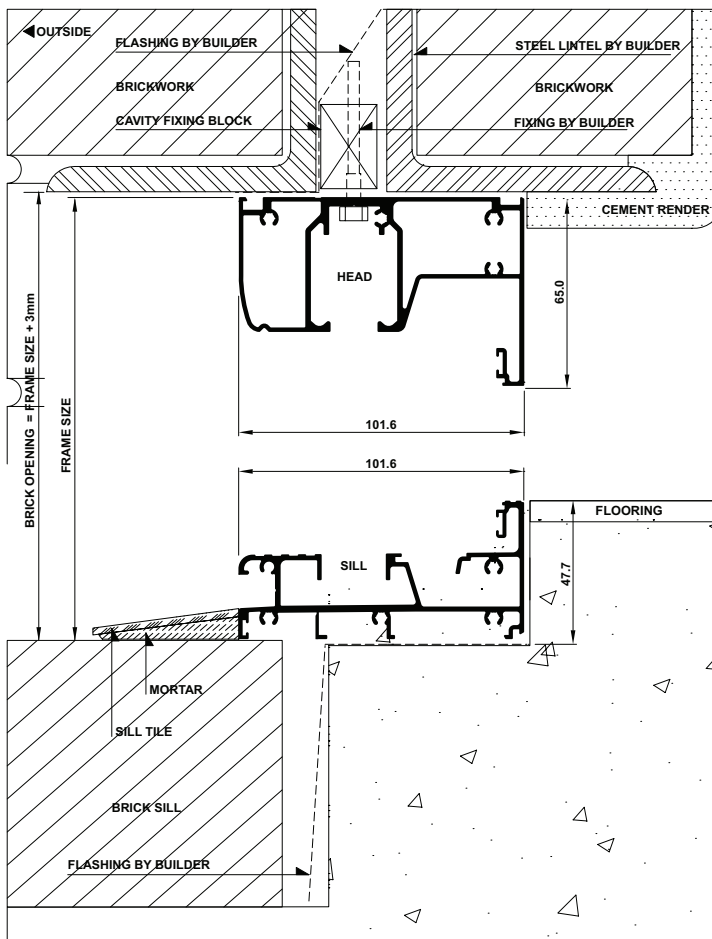
## INSTALLING FRAME CORRECTLY

- 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 mortar - fixing at 450mm max centres
- Sill bricks should be at least 10 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.



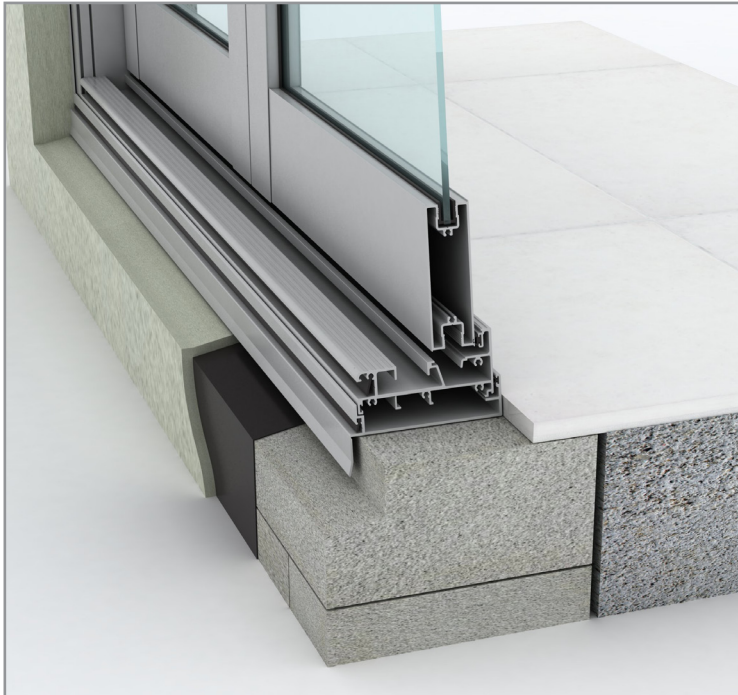
Please note that drawings displayed are not to scale





# Bifold Door - Installation

Building In Detail | **Blockwork**



## INSTALLING FRAME CORRECTLY

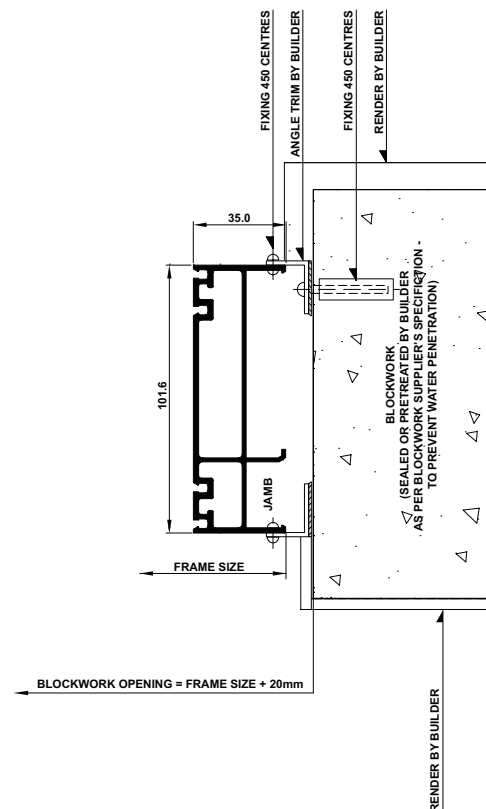
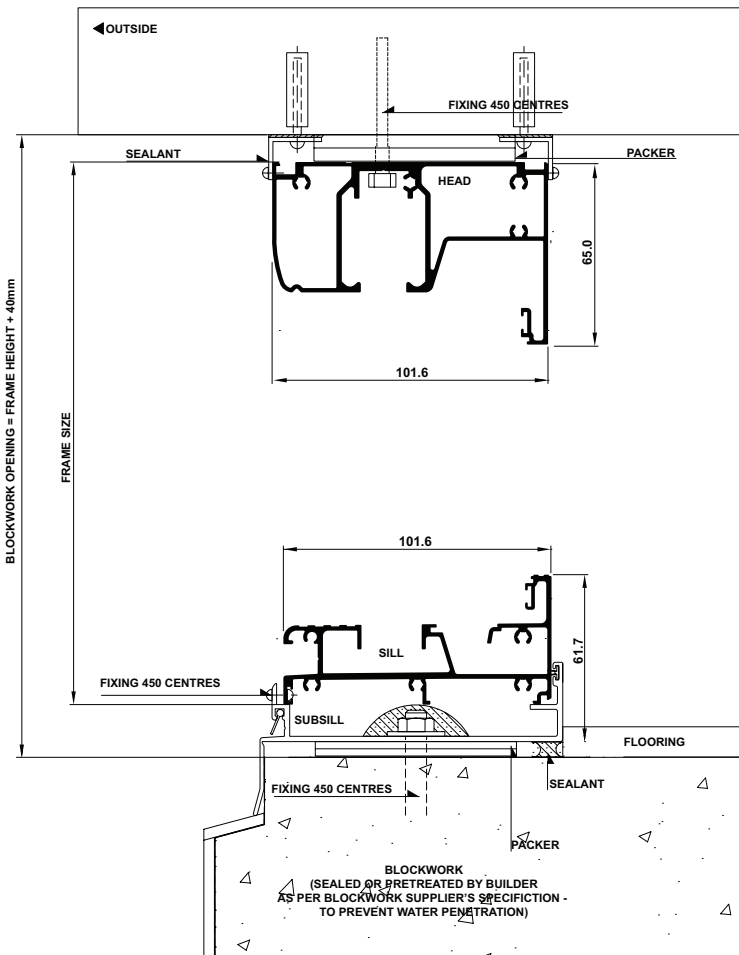
- Measure the frame opening to ensure that there is sufficient room for the product and additional packing.

**Blockwork Opening:**

Height = Frame 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.



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# Bifold Door - Installation

Building In Detail | Cladding on Studwall



## INSTALLING FRAME CORRECTLY

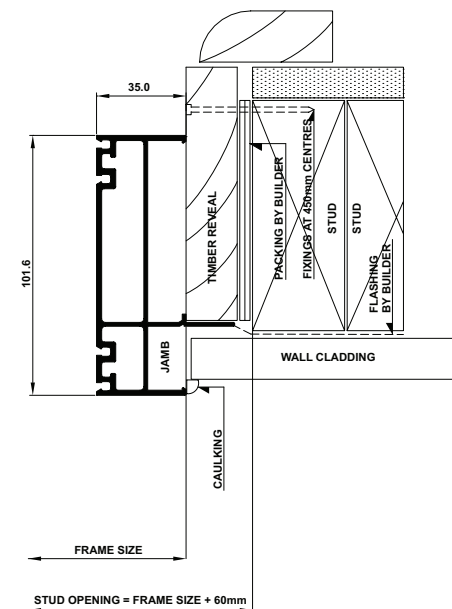
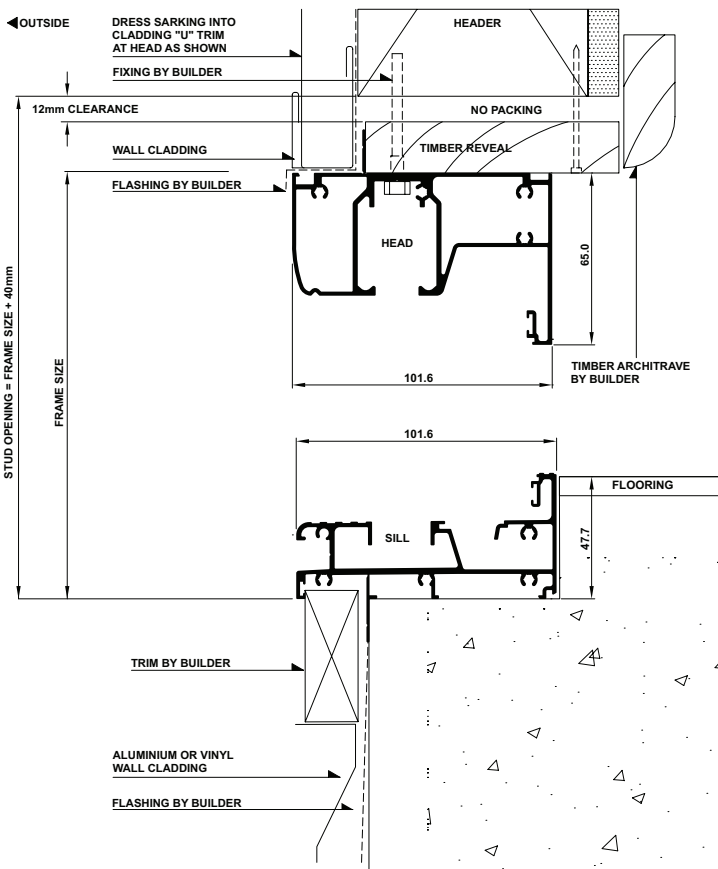
- Fit flashing to door surround (refer to drawing below).
- Measure the frame opening to ensure that there is sufficient room for the product and additional packing.

**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).
- **Build-in 3mm camber to head.**
- **Bifolds top-hung - beam must support weight.**
- Ensure outside finish does not block sill drainage holes.

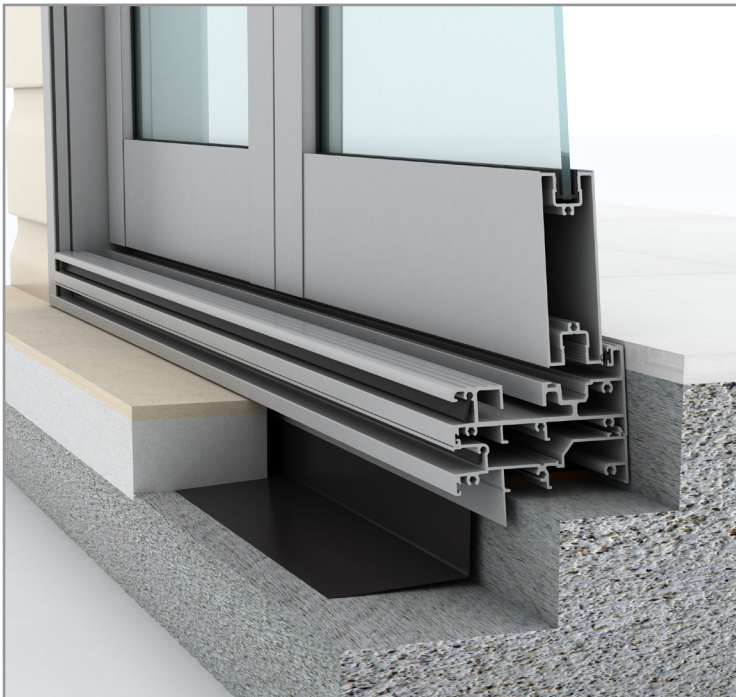




# Bifold Door - Installation

Building In Detail | Cladding on Studwall | Sump Sill

## INSTALLING FRAME CORRECTLY

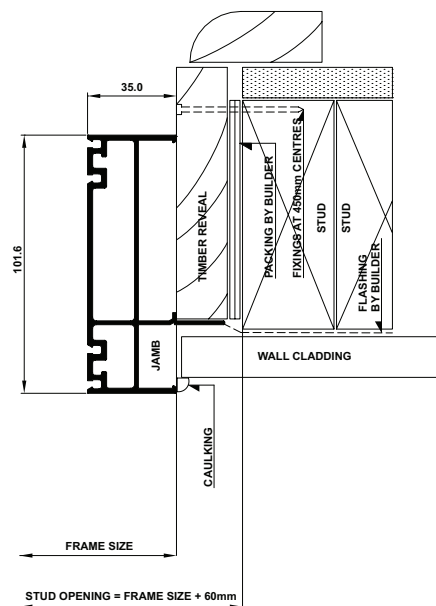
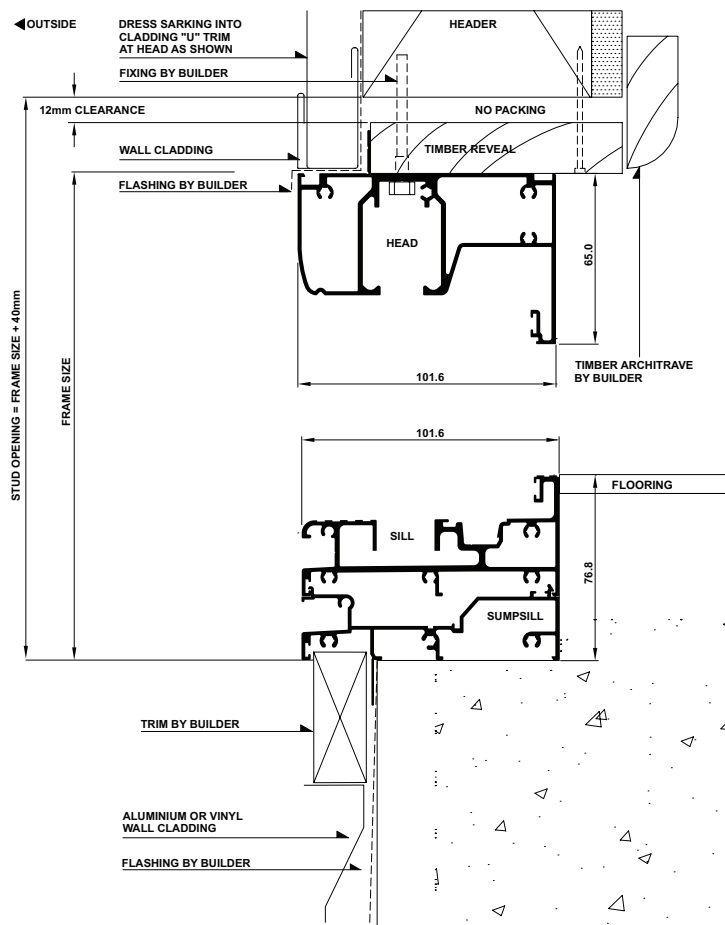


- Fit flashing to door surround (refer to drawing below).
- Measure the frame opening to ensure that there is sufficient room for the product and additional packing.

### Stud Opening:

Height = Frame Size + 40mm  
Width = Frame Size + 60mm

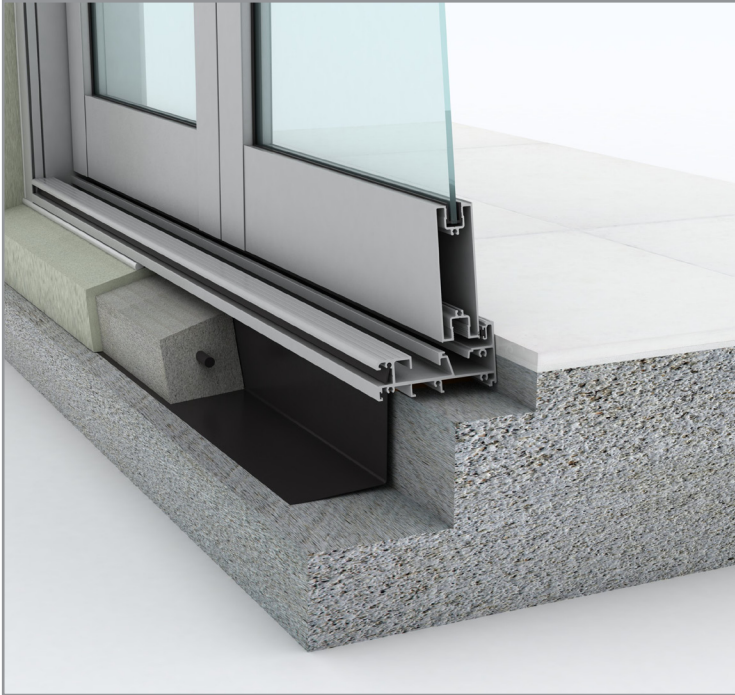
- Secure aluminum door by nailing through reveal into studwork - fixing at 450mm maximum centres.
- Header beam should be at least 12mm clear of window frame.
- Do not permit weight of eaves or arch bars to bear on any window or door frame. **(Windows and doors are not load bearing.)**
- To ensure the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



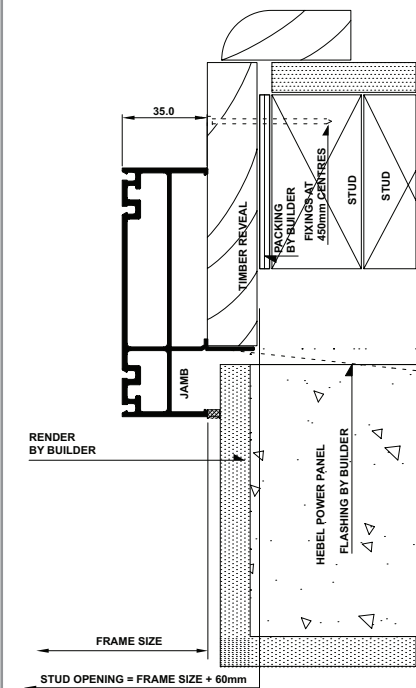
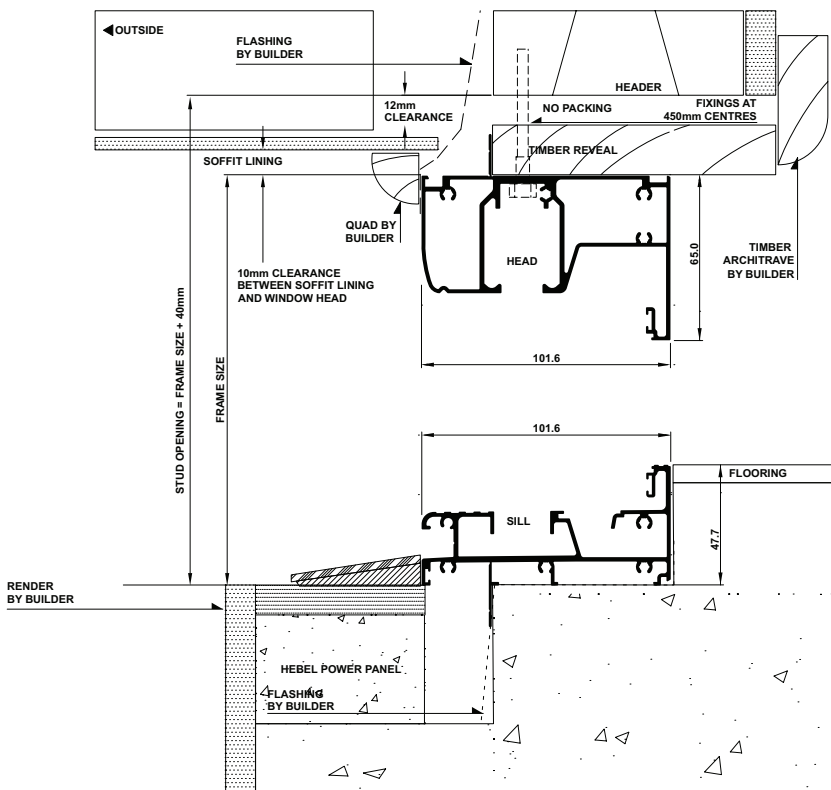
## INSTALLING FRAME CORRECTLY

- 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

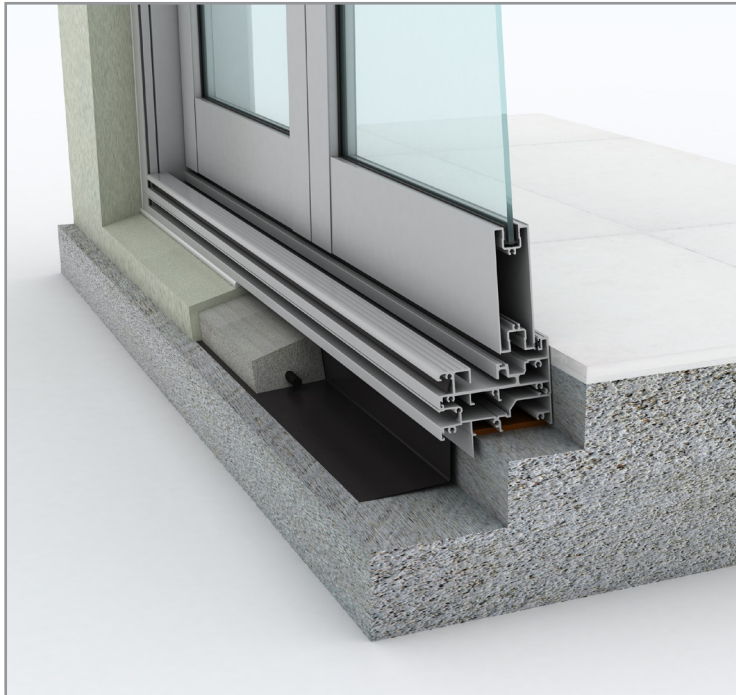
- Secure aluminum door by nailing through reveal into studwork - fixing at 450mm maximum centres.
- Header beam should be at least 12mm clear of window frame.
- Do not permit weight of eaves or arch bars to bear on any window or door frame. **(Windows and doors are not load bearing.)**
- To ensure the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





# Bifold Door - Installation

Building In Detail | Hebel Power Panel | Sump Sill



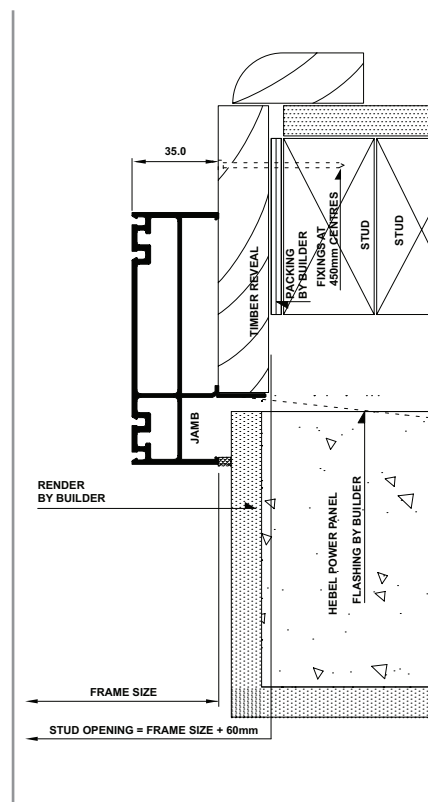
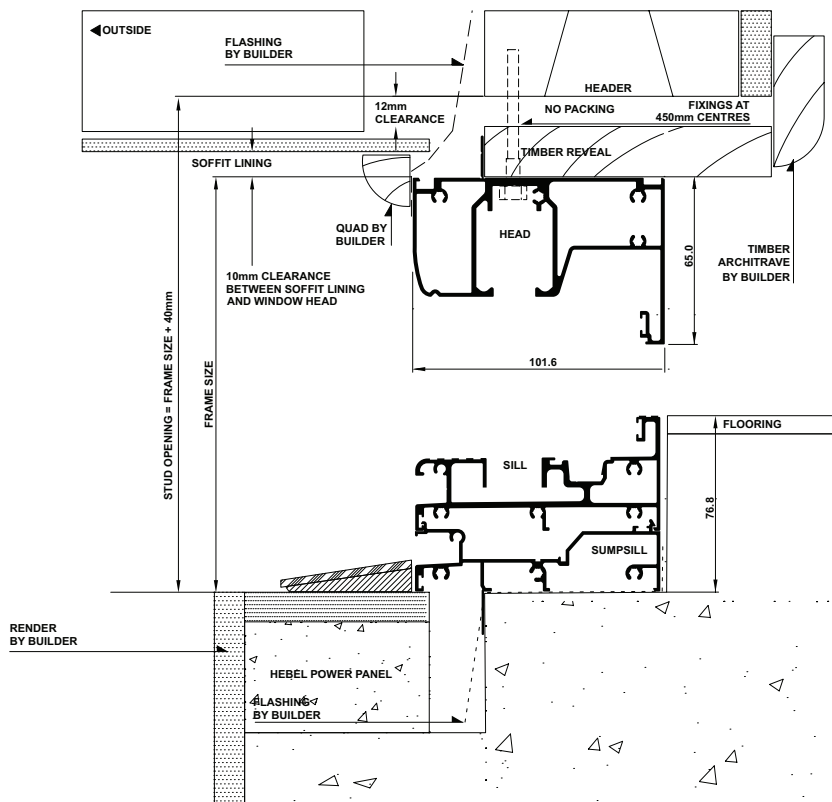
## INSTALLING FRAME CORRECTLY

- 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:

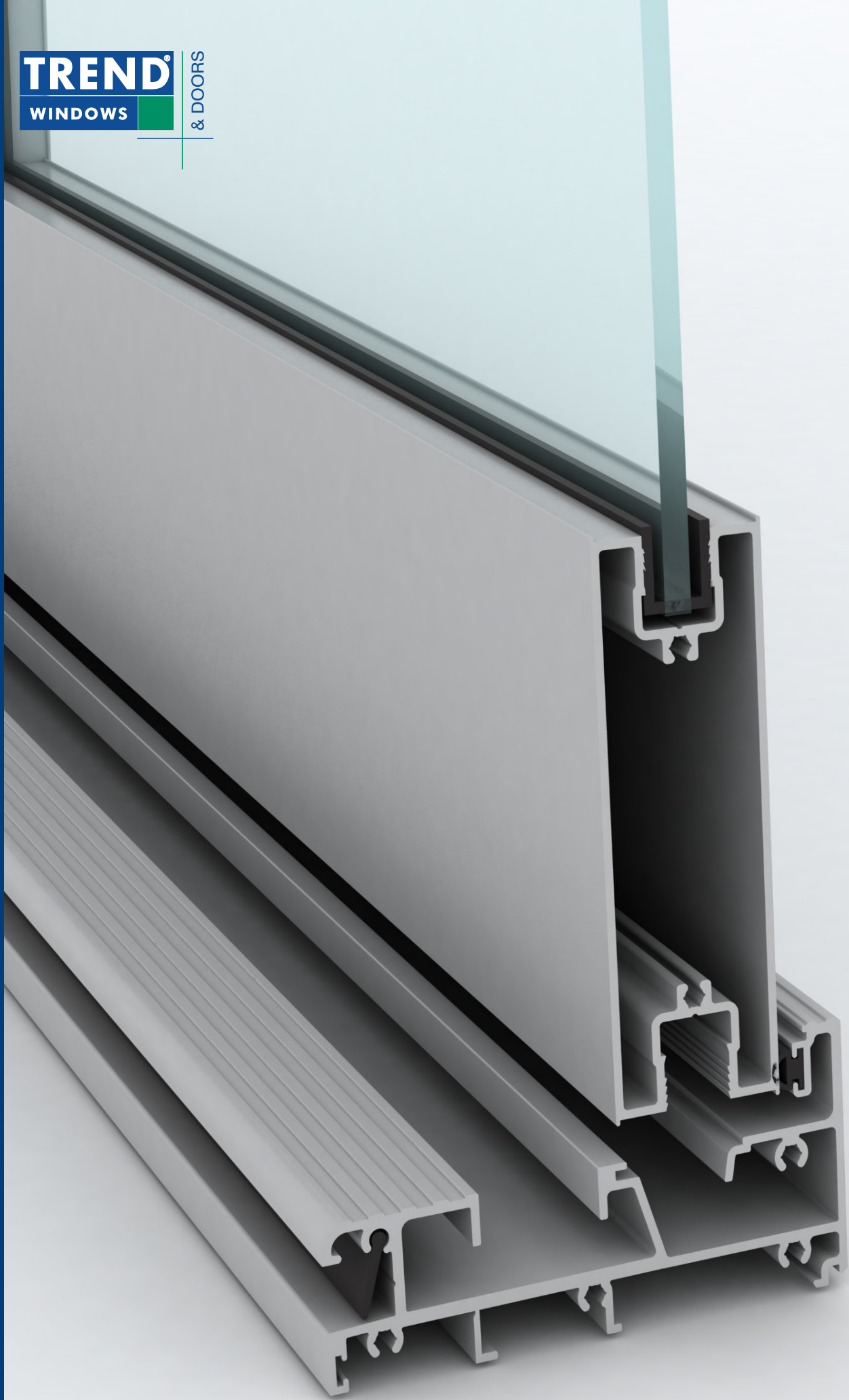
Height = Frame Size + 40mm  
Width = Frame Size + 60mm

- 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.
- 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.



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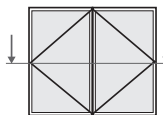
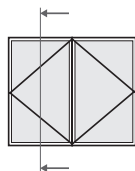
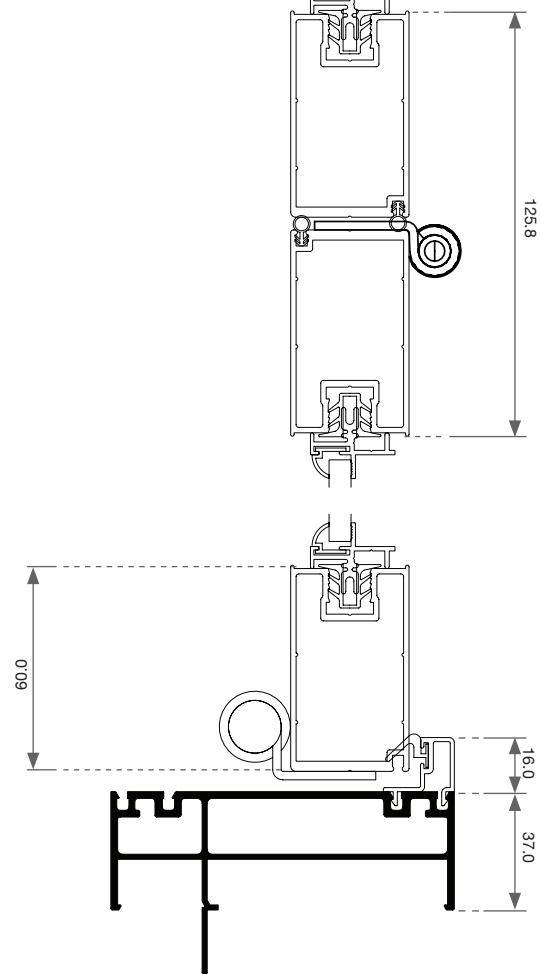
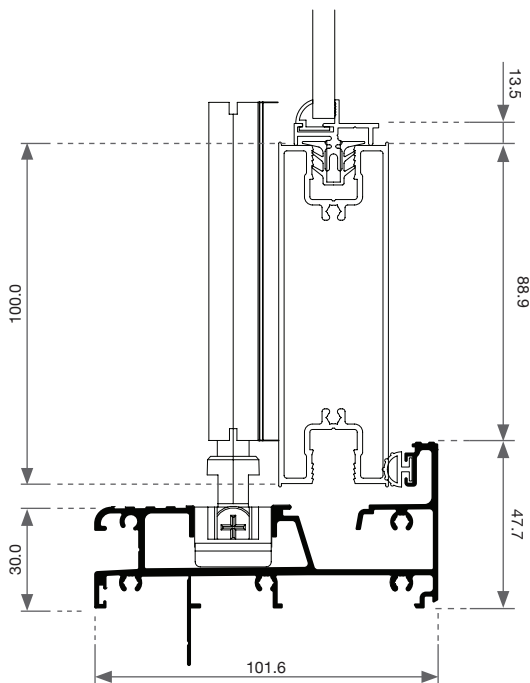
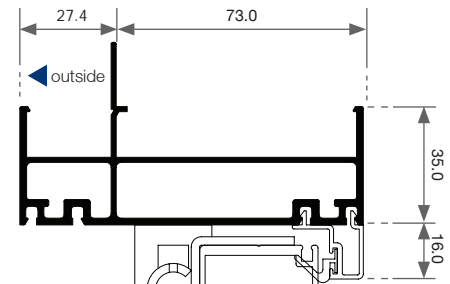
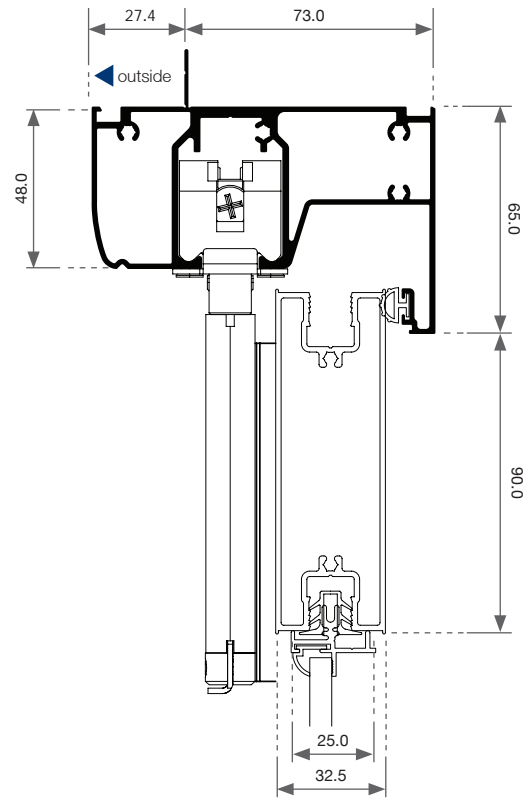
# Quantum<sup>®</sup> Bifold Door

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## Cross Sectional Views

## Bifold Door - Cross Sectional Views

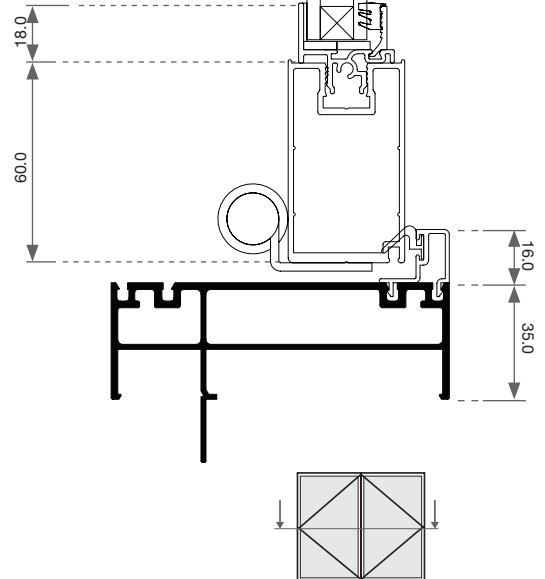
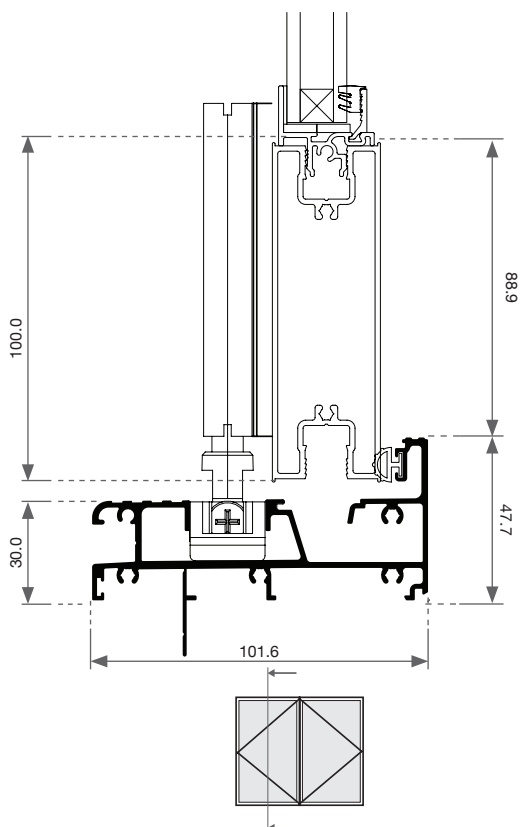
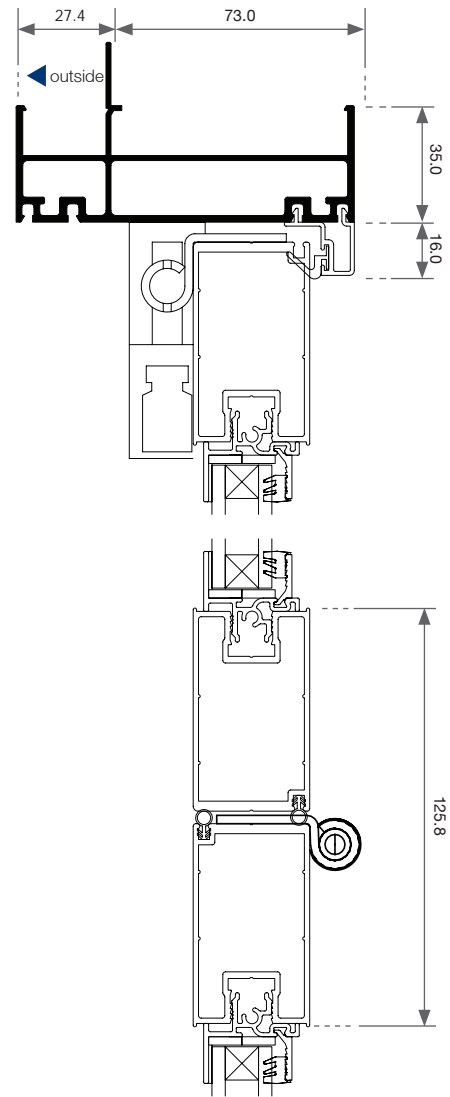
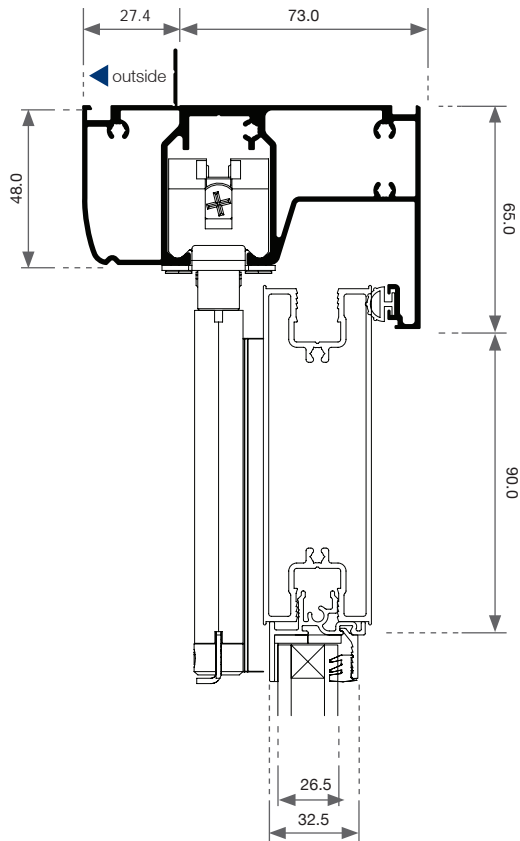
### Two Panel





# Bifold Door - Cross Sectional Views

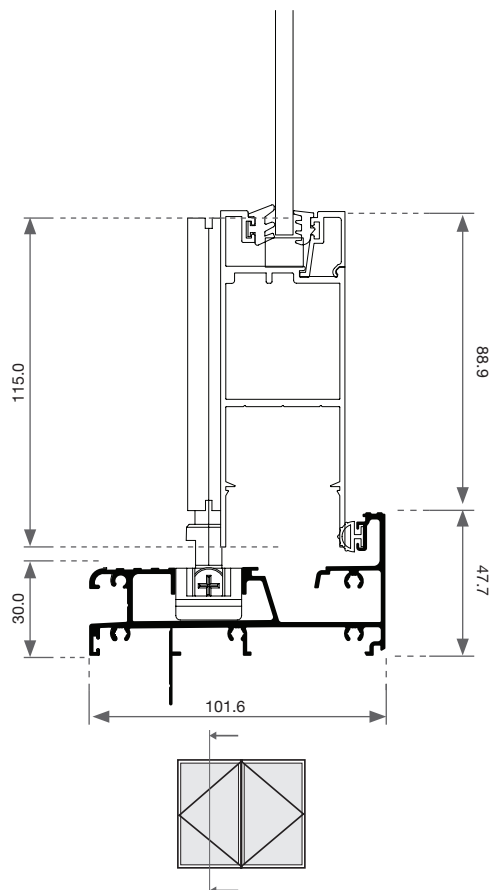
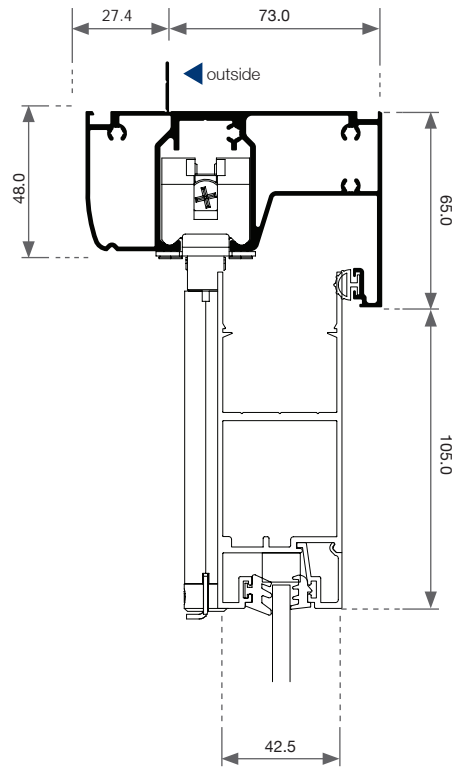
Two Panel | Thermashield



Please note that drawings displayed are not to scale

## Bifold Door - Cross Sectional Views

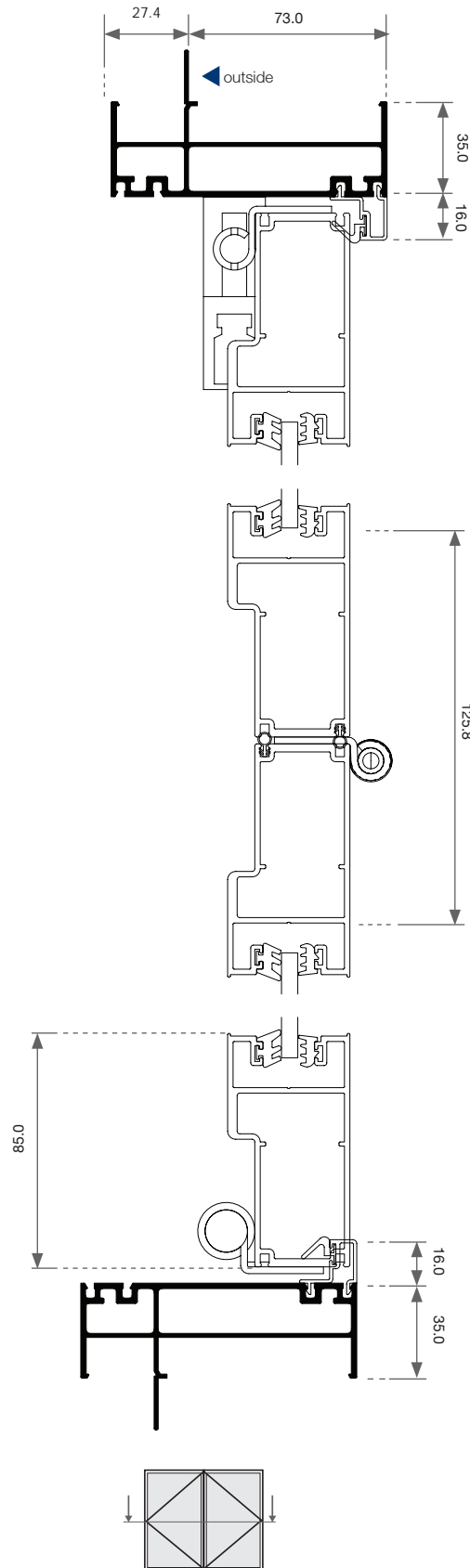
Two Panel | Heavy Duty | Elevation





# Bifold Door - Cross Sectional Views

Two Panel | Heavy Duty | Plan



Please note that drawings displayed are not to scale