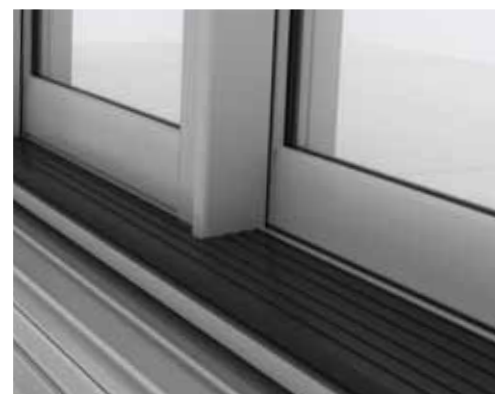


Crestlite® Windows & Doors Series COMMERCIAL DESIGN MANUAL



 **CRESTLITE®**



Index

200 CENTRE GLAZED DOUBLE GLAZED WINDOW

Features and Benefits	1
Installation	5
Cross Sectional Views	9

300 CENTRE GLAZED WINDOW

Features and Benefits	13
Installation	17
Cross Sectional Views	21

350 AWNING WINDOW

Features and Benefits	25
Installation	29
Cross Sectional Views	33

350 CASEMENT WINDOW

Features and Benefits	37
Installation	41
Cross Sectional Views	45

480 SLIDING WINDOW

Features and Benefits	49
Installation	53
Cross Sectional Views	57

600 FRONT GLAZED WINDOW

Features and Benefits	63
Installation	67
Cross Sectional Views	71

650 INLINE AWNING WINDOW

Features and Benefits	79
Installation	83
Cross Sectional Views	87

650 OVERLAP AWNING WINDOW

Features and Benefits	81
Installation	95
Cross Sectional Views	99

VISCOUNT SLIDING DOOR

Features and Benefits	103
Installation	107
Cross Sectional Views	111

VISCOUNT SLIDING STACKER DOOR

Features and Benefits	125
Installation	129
Cross Sectional Views	133

WINDSOR SLIDING DOOR

Features and Benefits	149
Installation	153
Cross Sectional Views	157

WINDSOR SLIDING STACKER DOOR

Features and Benefits	165
Installation	169
Cross Sectional Views	173

HINGE DOOR

Features and Benefits	195
Installation	199
Cross Sectional Views	205

PIVOT DOOR

Features and Benefits	213
Installation	217
Cross Sectional Views	221

CARE & MAINTENANCE

225

Confidentiality Notice: This document and the information it contains are copyright and confidential to Trend® Windows & Doors Pty Limited. Disclosure, use and copying in any form whatsoever, except as authorised by Trend® Windows & Doors in writing, are strictly prohibited. Patents and Design Registrations pending.

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

Crestlite® 200 Centre Glazed Double Glazed **Features & Benefits**

200 Centre Glazed Double Glazed - Features & Benefits

FRAME

- Robust commercial aluminium window frame - ideal for larger fixed lite applications.
- Frame profile measures 50mm x 102mm.
- Frames can be glazed from inside or outside - must be specified on order.
- Commercial look for apartments, units or high end residential projects

SILL

- Modern sill provides a clean appearance from the inside and the outside.

GLAZING & ENERGY EFFICIENCY

- All Trend® Windows and Doors comply with AS1288, AS/NZS466, AS/NZA1170 and AS/NZS1664.
- Frame contains deep pockets allowing for greater overlapping of glass.
- Glazing options from 18mm to 24mm insulated glazed units (IGUs).
- Maximum single fixed lite panel is up to 8 sqm each.
- Maximum multiple fixed lite panels is up to 6 sqm each.
- Secure captive wedge used for glazing frames.
- Energy efficiency options available to help reduce 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 or STC ratings available.
-

FRAME ADAPTABILITY

- Crestlite® hinge door, pivot door and awning sashes are designed to be adapted to this frame.

Note: To obtain maximum rating detail contact your nearest Trend Architectural Consultant.

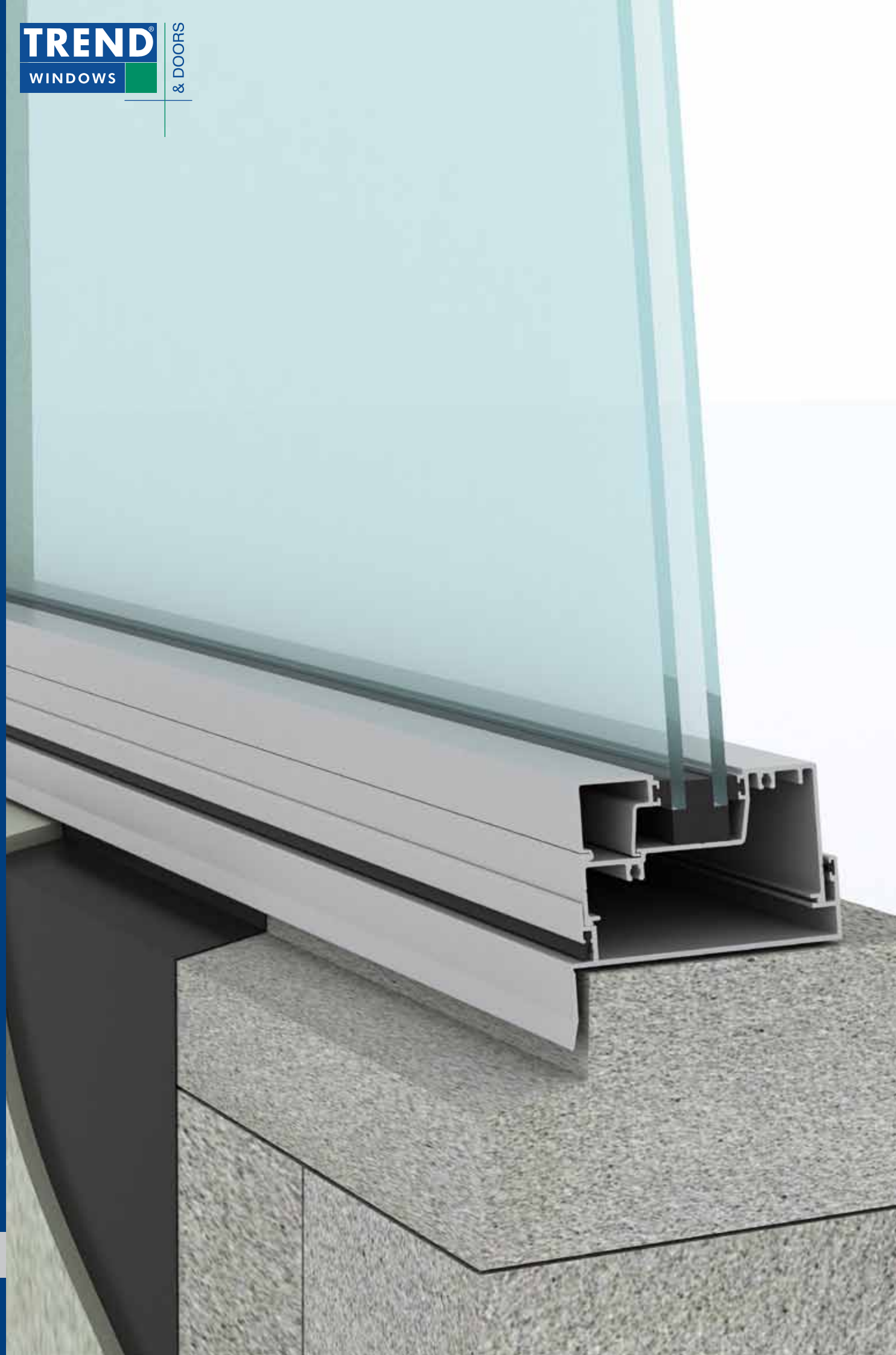


WIND & WATER RATINGS

- All Trend® Windows and Doors are designed to meet and surpass 700Pa wind velocity rating and 150Pa water penetration rating and comply with AS2047.
- Pascal deflection rates up to 2200Pa.
- Centre glazed double glazed rated at an air infiltration of 0.84L/s m² (below the the National Construction Code (NCC) for Air conditioned spaces of 1.00L/s m²) perfect for both air conditioned and non-air conditioned spaces.

FINISHES

- Wide range of powdercoat finishes are available (including warranty powders and anodised options).



Crestlite® 200 Centre Glazed Double Glazed **Installation**

200 Centre Glazed Double Glazed - Installation

Building In Detail | **Blockwork**



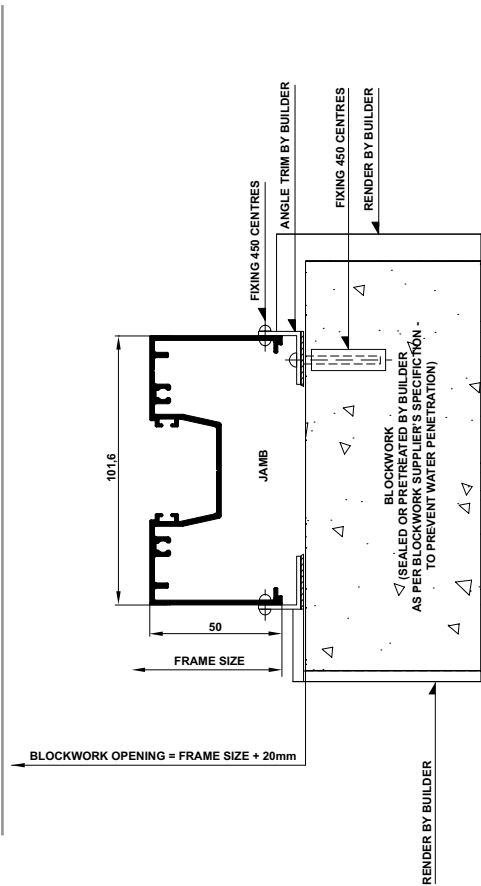
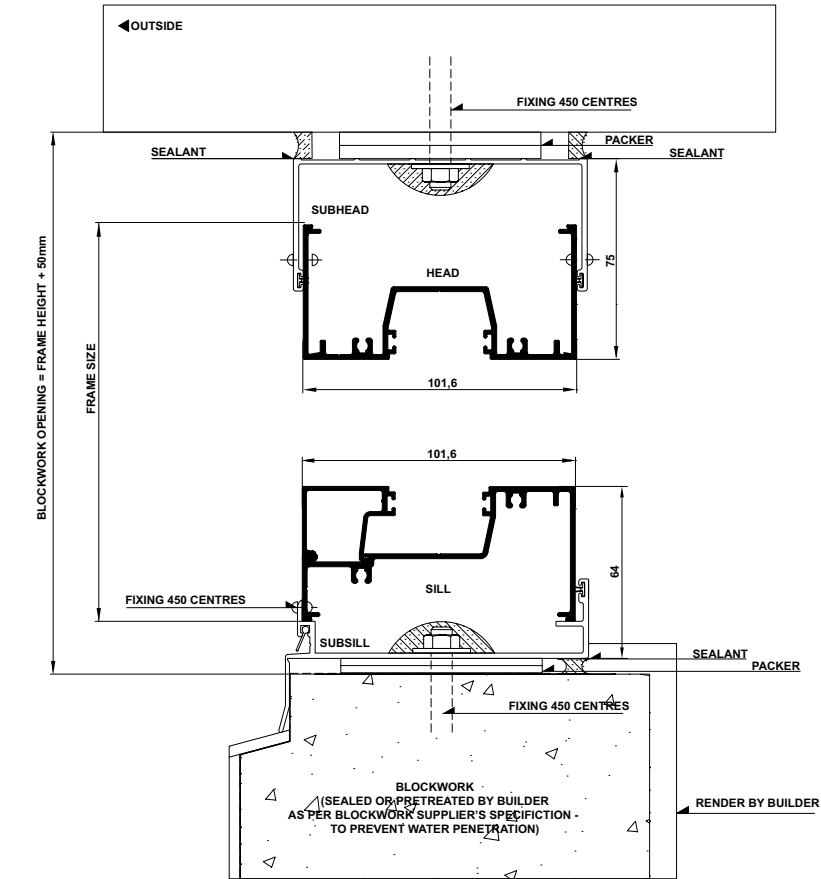
INSTALLING FRAME CORRECTLY

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

Blockwork Opening:

Height = Frame Size + 50mm
Width = Frame Size + 20mm

- Header beam should be at least 12mm clear of window frame.
- 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.)**

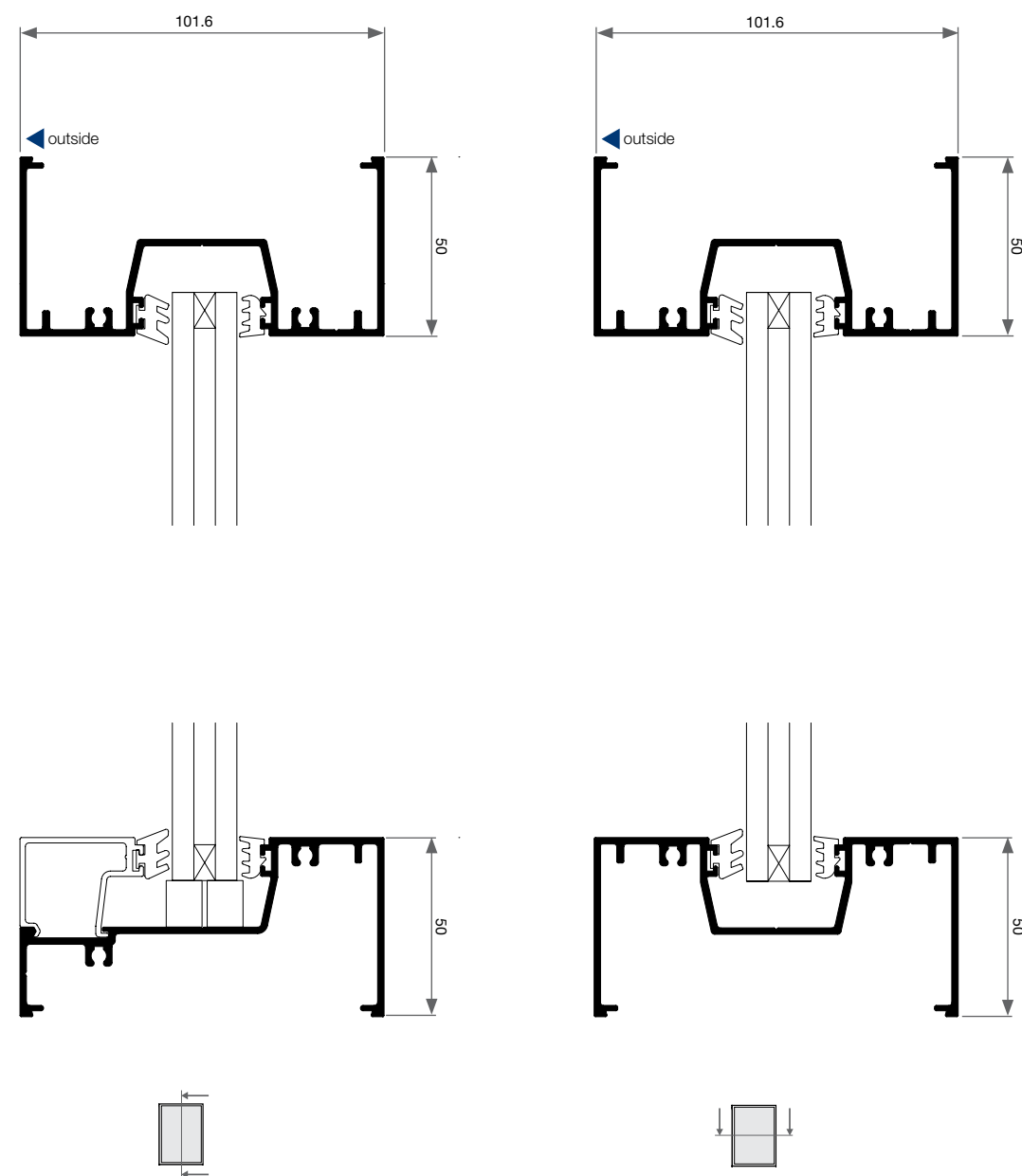




Crestlite® 200 Centre Glazed Double Glazed **Cross Sectional Views**

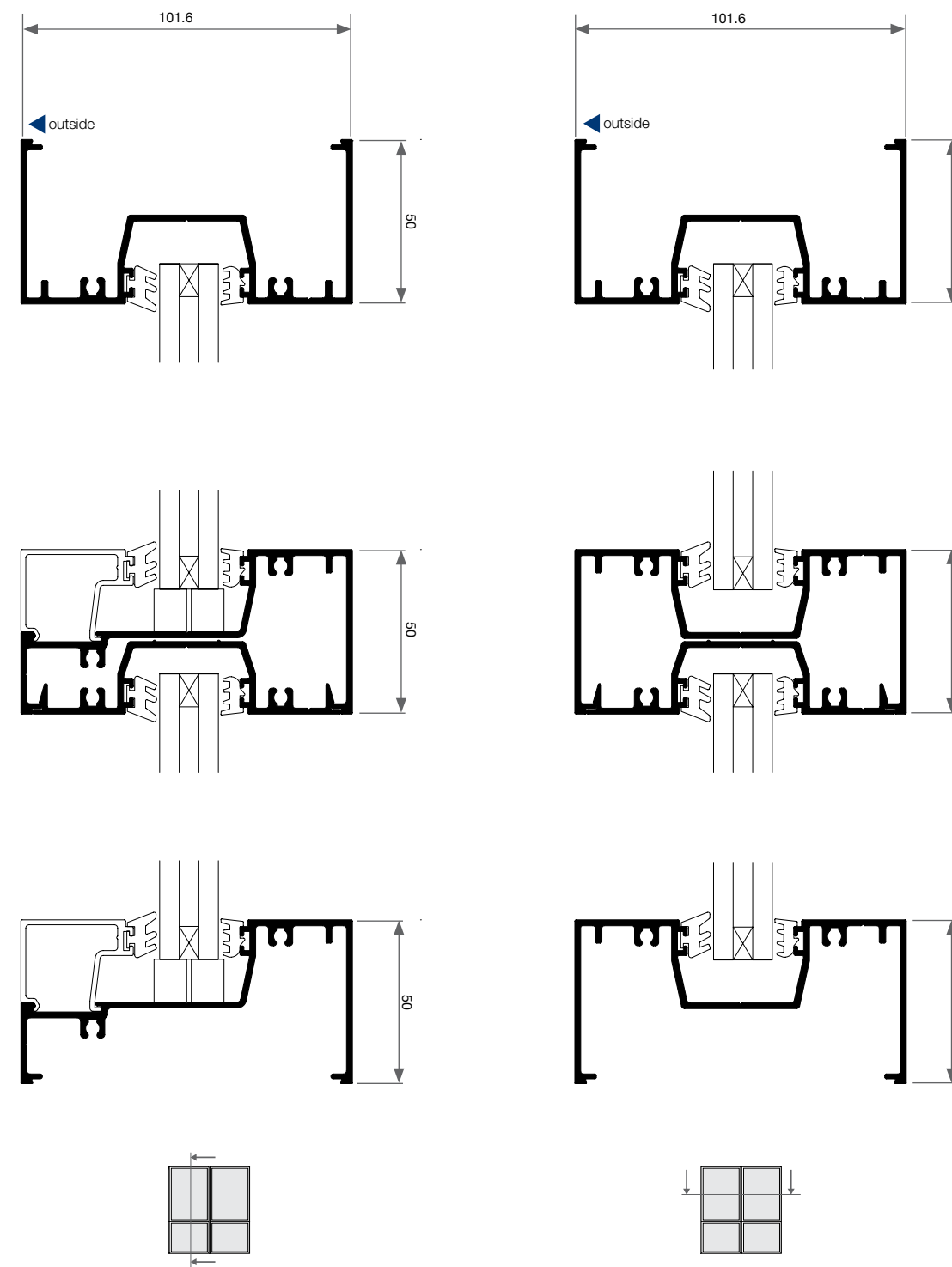
200 Centre Glazed Double Glazed - Cross Sectional View

Single Lite



200 Centre Glazed Double Glazed - Cross Sectional View

Two Lite with Lowlite



Crestlite® 300 Centre Glazed Features & Benefits



300 Centre Glazed - Features & Benefits

FRAME

- Robust commercial aluminium window frame - ideal for larger fixed lite applications.
- Overall frame profile measures 45mm x 102mm.
- Frames can be glazed from inside or outside - must be specified on order.
- Commercial look for apartments, units or high end residential projects.

SILL

- Modern sill provides a clean appearance from the inside and the outside.

GLAZING & ENERGY EFFICIENCY

- All Trend® Windows and Doors comply with AS1288, AS/NZS4666, AS/NZS1170 and AS/NZS1664.
- Frame contains deep pockets allowing for greater overlapping strength of glass.
- Glazing options from 5mm to 12.38mm thickness.
- Secure captive wedge used for glazing frames.
- Maximum single fixed lite panel is up to 8 sqm each.
- Maximum multiple fixed lite panels is up to 6 sqm each.
- Energy efficiency options available to help reduce energy consumption.
- All glazing options are Window Energy Rating Scheme (WERS) rated - providing a wide range of energy efficient solutions.

FRAME ADAPTABILITY

- Crestlite® hinge door, pivot door and awning sash inserts are designed to be adapted to this frame.

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 AS2047.
- Pascal deflection rates up to 2200Pa.
- Centre glazed is rated at an air infiltration of 0.84L/s m² (below the the National Construction Code (NCC) for Air conditioned spaces of 1.00L/s m²) perfect for both air conditioned and non-air conditioned spaces.

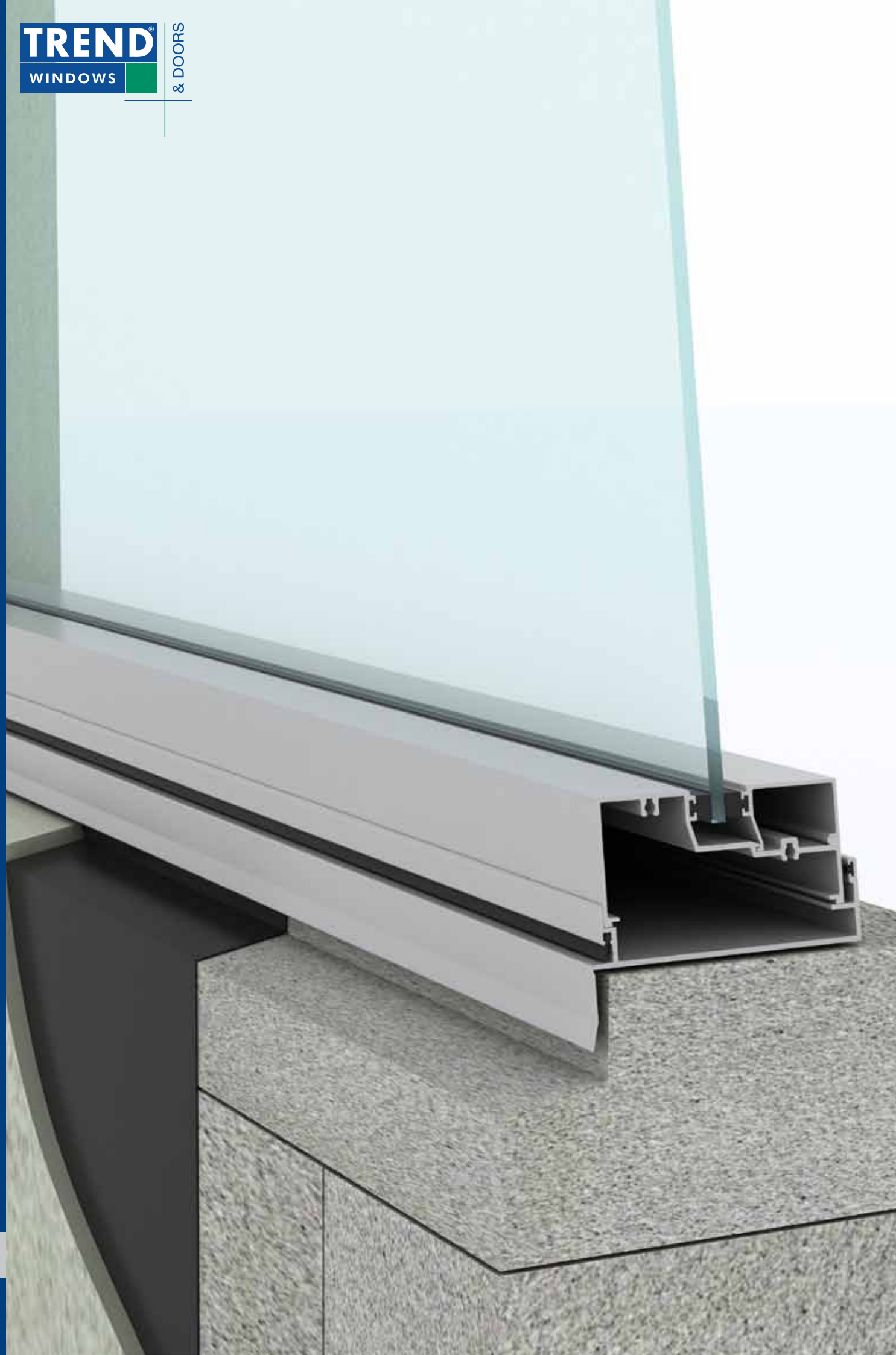
FINISHES

- Wide range of powdercoat finishes are available (including warranty powders and anodised options).



Note: To obtain maximum rating detail contact your nearest Trend Architectural Consultant.





Crestlite® 300 Centre Glazed Installation

300 Centre Glazed - Installation

Building In Detail | **Blockwork**



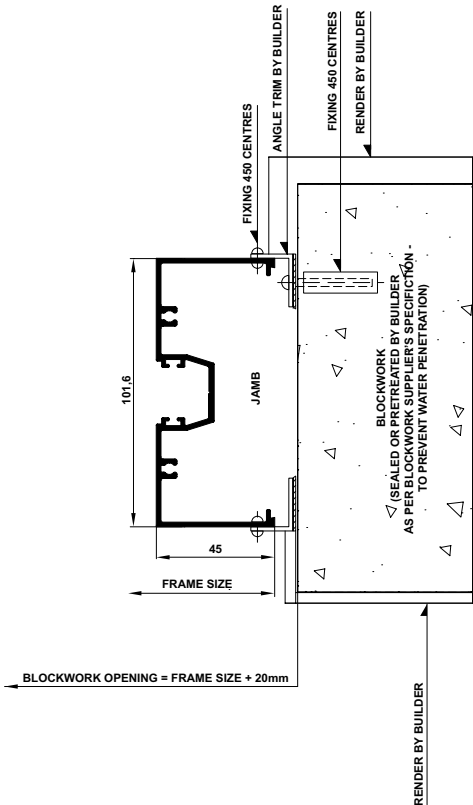
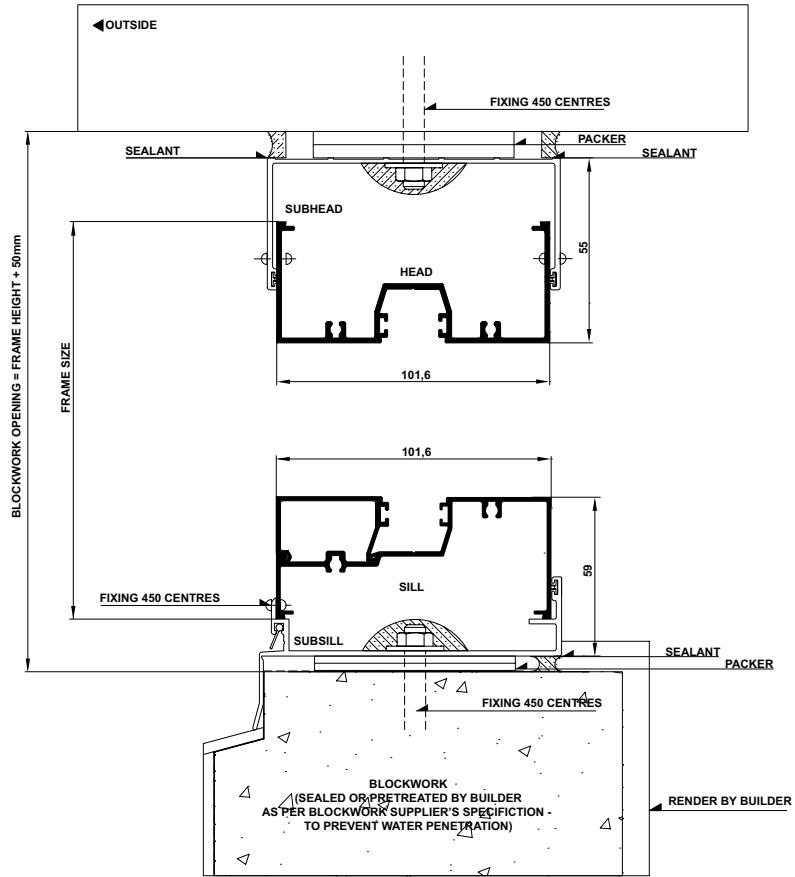
INSTALLING FRAME CORRECTLY

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

Blockwork Opening:

Height = Frame Size + 50mm
Width = Frame Size + 20mm

- Header beam should be at least 12mm clear of window frame.
- 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

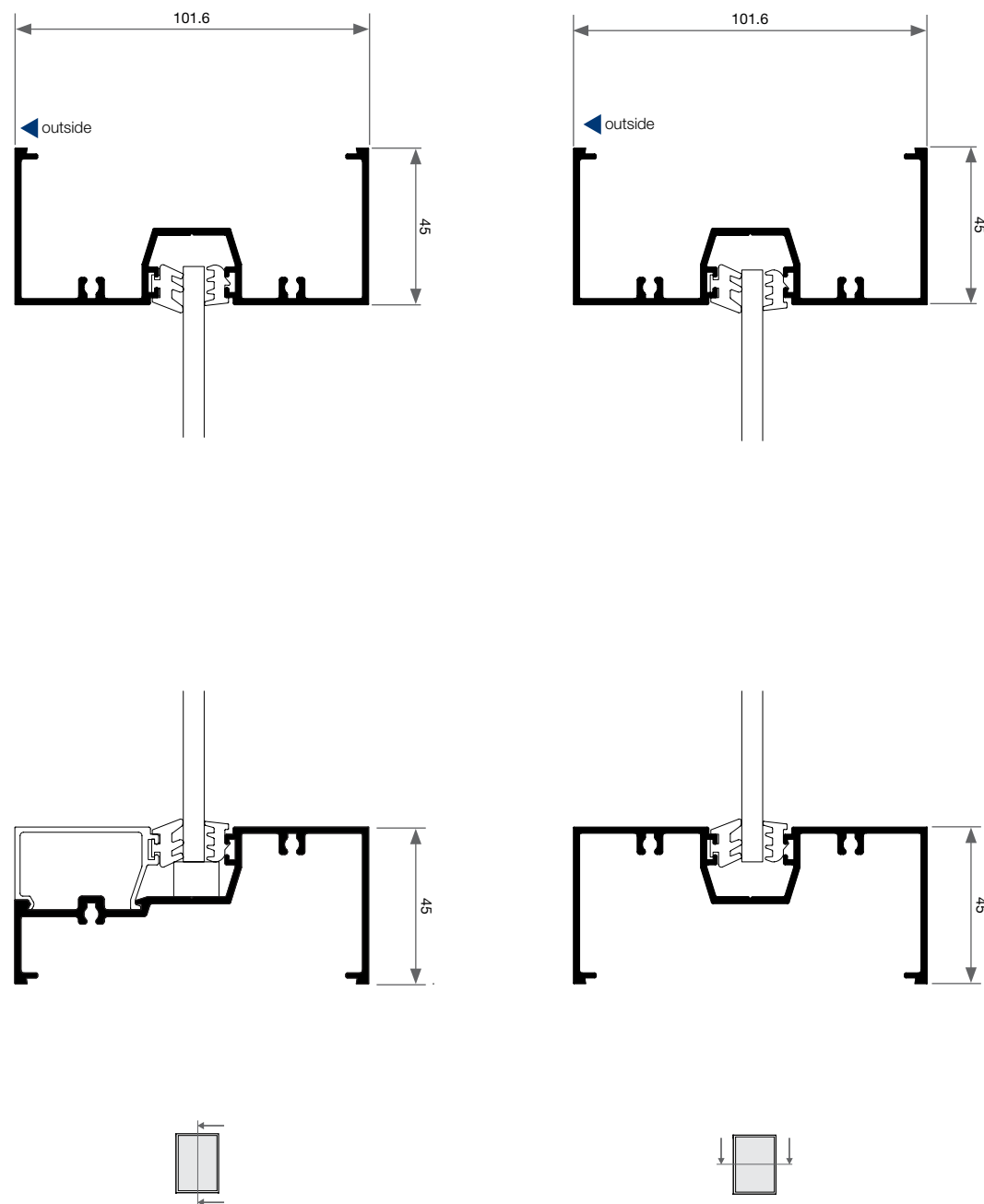
Please note that drawings displayed are not to scale

Crestlite® 300 Centre Glazed Cross Sectional Views



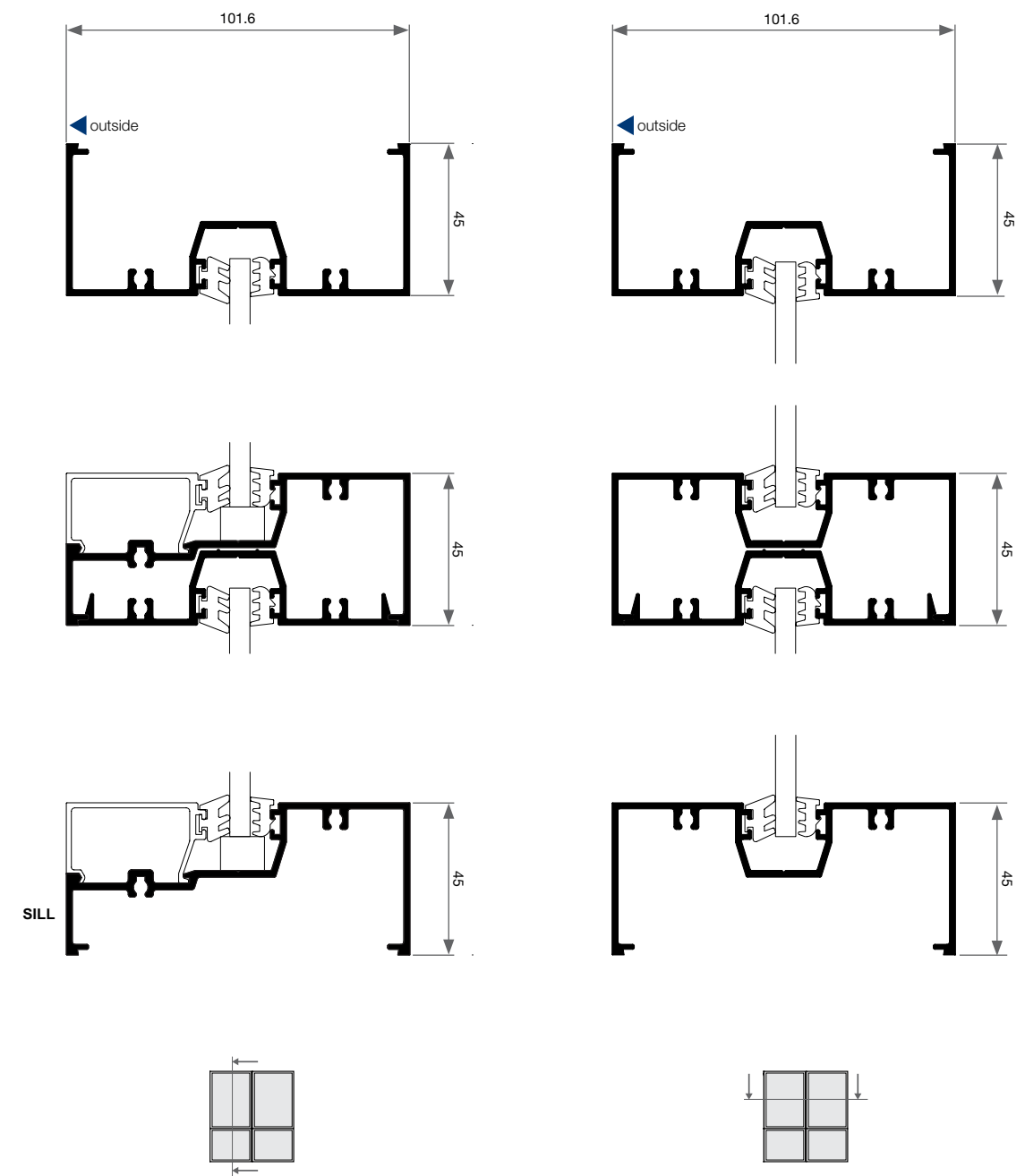
300 Centre Glazed - Cross Sectional View

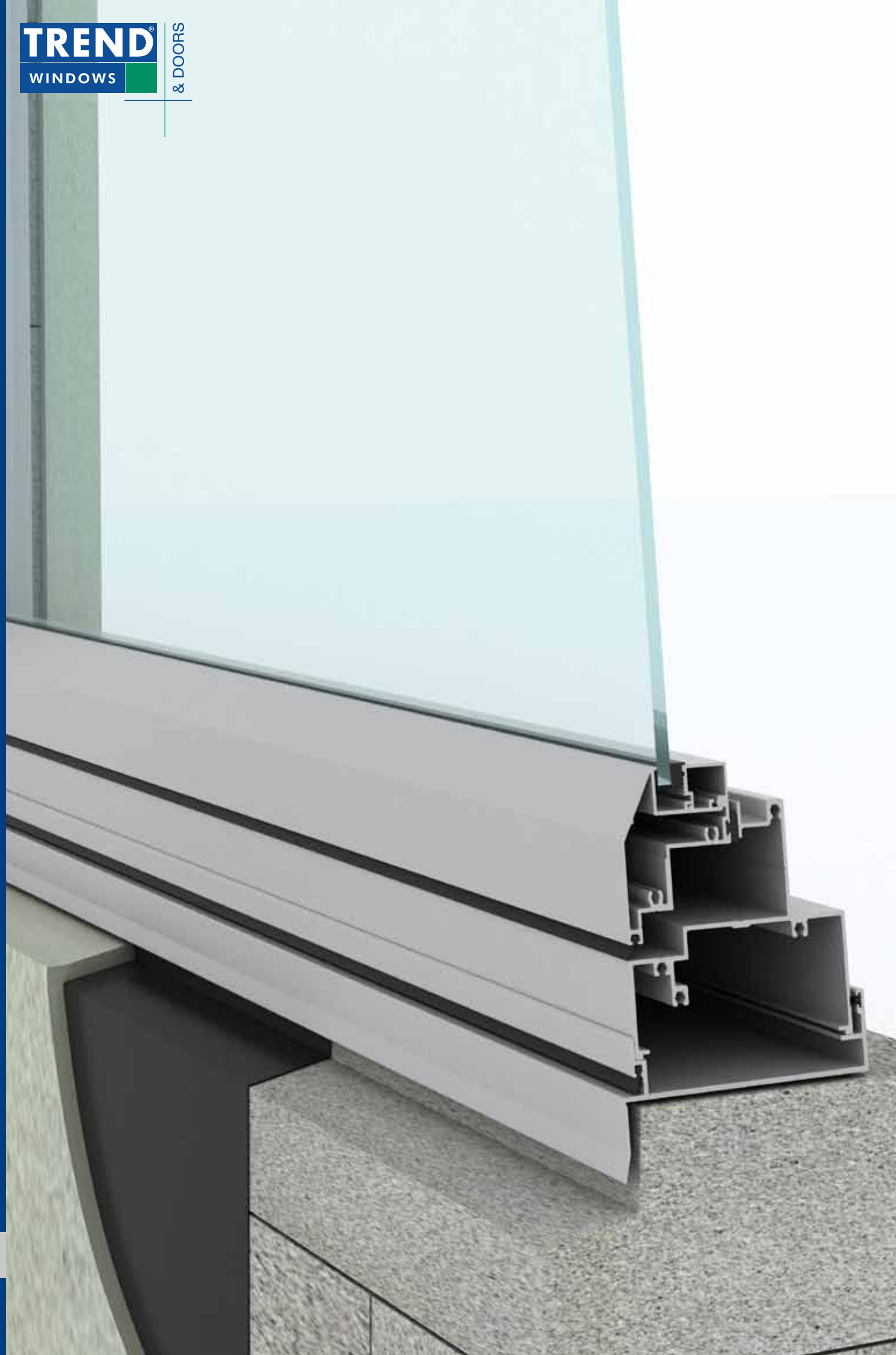
Single Lite



300 Centre Glazed - Cross Sectional View

Two Lite with Lowlite





Crestlite® 350 Awning Window

Features & Benefits

350 Awning Window - Features & Benefits

FRAME

- Robust semi commercial aluminium window frame - ideal for larger fixed lite applications.
- Overall frame profile measures 45mm x 102mm.
- Frames are glazed from inside.
- Commercial look for apartments, units or high end residential projects.

SASH

- Awning window has a 62mm sash that allows for large operable applications.
- Large single lite windows are available.

GLAZING & ENERGY EFFICIENCY

- All Trend® Windows and Doors comply with AS1288, AS/NZS466, AS/NZS1170 and AS/NZS1664.
- Glazing options from 5mm glass to 24mm insulated glazed units (IGUs).
- Energy efficiency options available to help reduce 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 or STC ratings available.

HARDWARE

- High performance key lock scissor action winder mechanism.
- **Infinity** black hardware is supplied as standard.
- Optional colours available
 - Pearl White
 - Stone Beige
 - Anodic Natural Matt
 - Satin Chrome
- Window locks can be keyed alike to other Trend® products for ease of use.

Note: To obtain maximum rating detail contact your nearest Trend Architectural Consultant.



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 AS2047.
- Pascal deflection rates up to 2200Pa.
- Awning Window rated at an air infiltration of 0.4L/s m² (below the the National Construction Code (NCC) for Air conditioned spaces of 1.00L/s m²) perfect for both air conditioned and non-air conditioned spaces.

FINISHES

- Wide range of powdercoat finishes are available (including warranty powders and anodised options).

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





Crestlite® 350 Awning Window Installation



350 Awning Window - Installation

Building In Detail | **Blockwork**



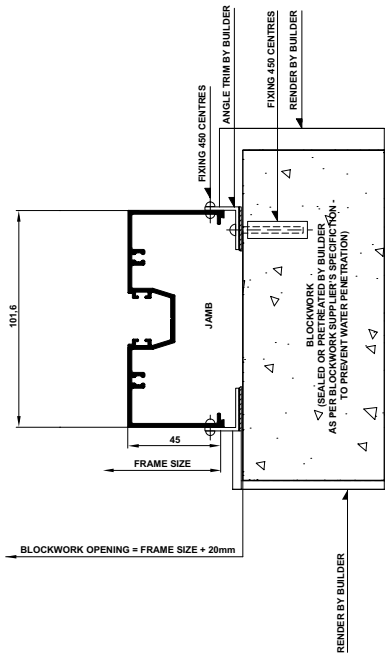
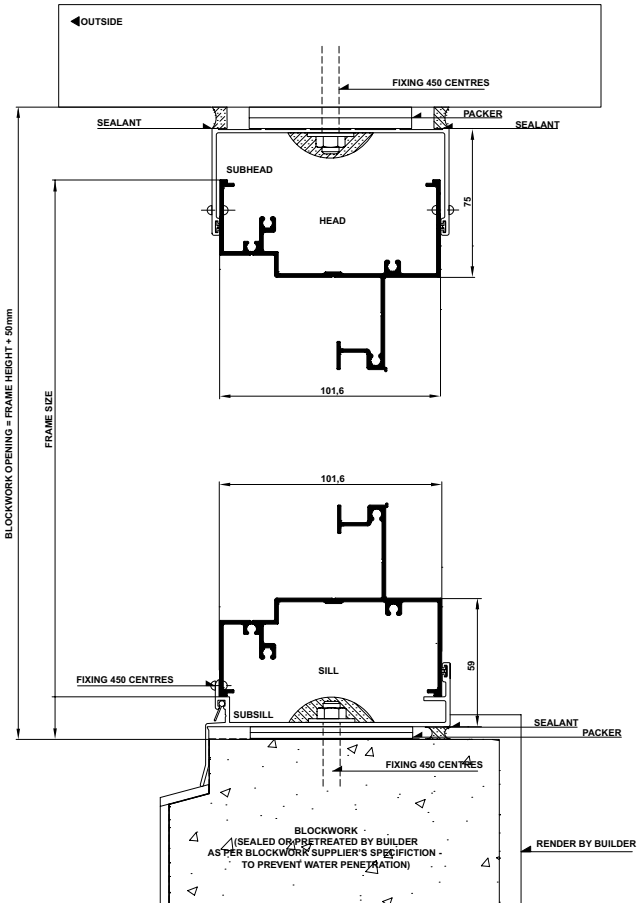
INSTALLING FRAME CORRECTLY

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

Blockwork Opening:

Height = Frame Size + 50mm
Width = Frame Size + 20mm

- Header beam should be at least 12mm clear of window frame.
- 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

Please note that drawings displayed are not to scale

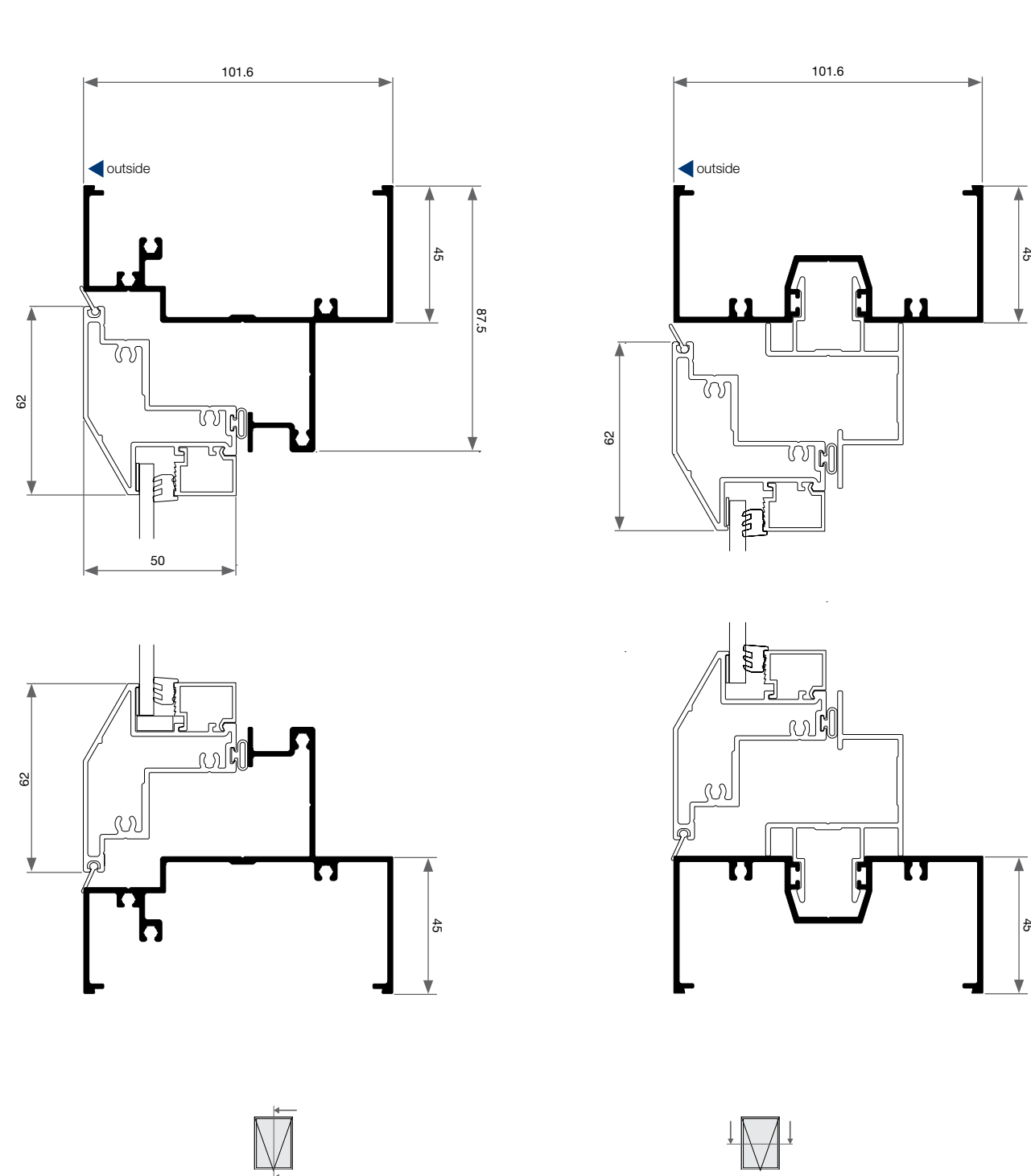


Crestlite® 350 Awning Window

Cross Sectional View

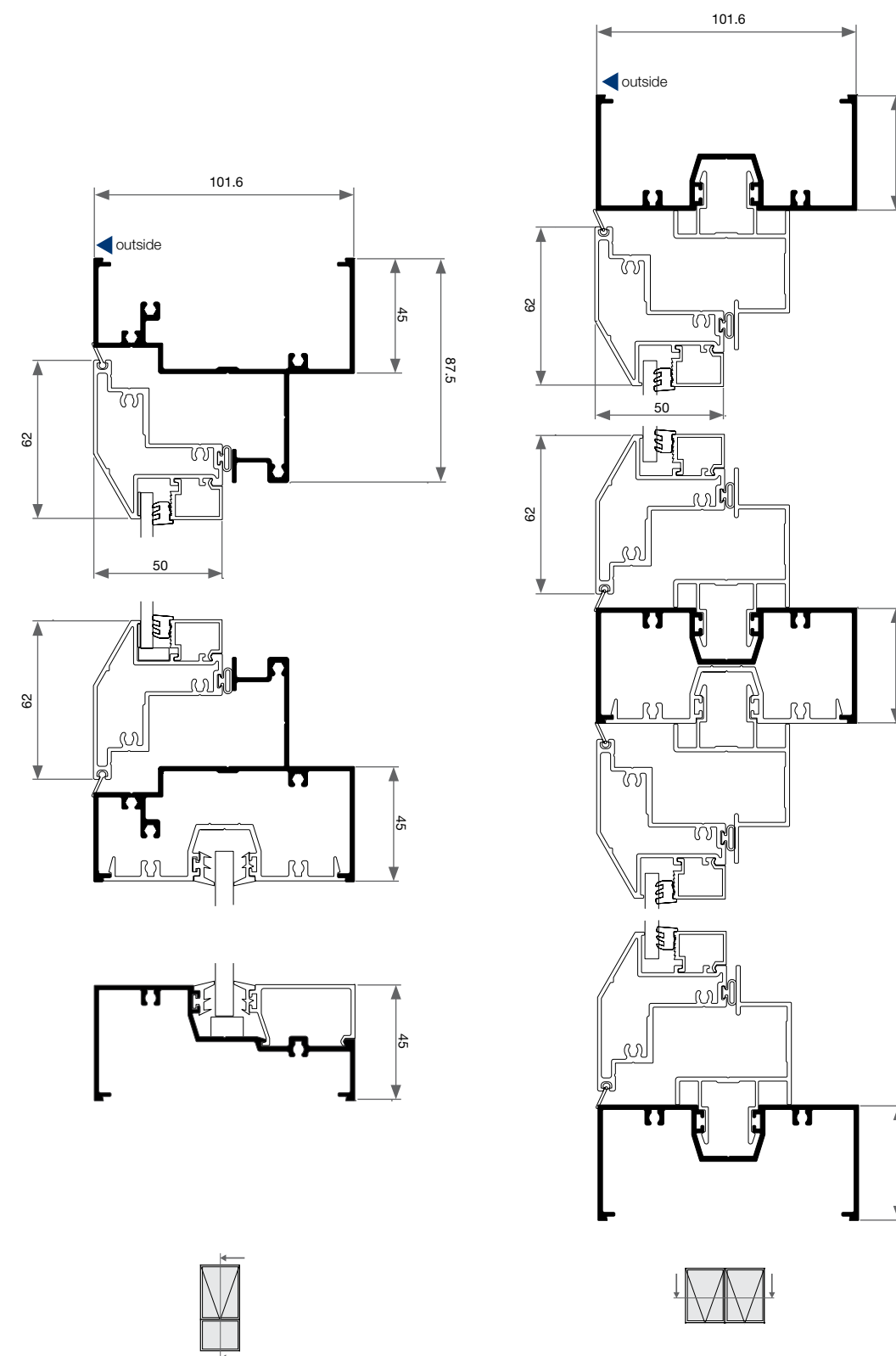
350 Awning Window - Cross Sectional View

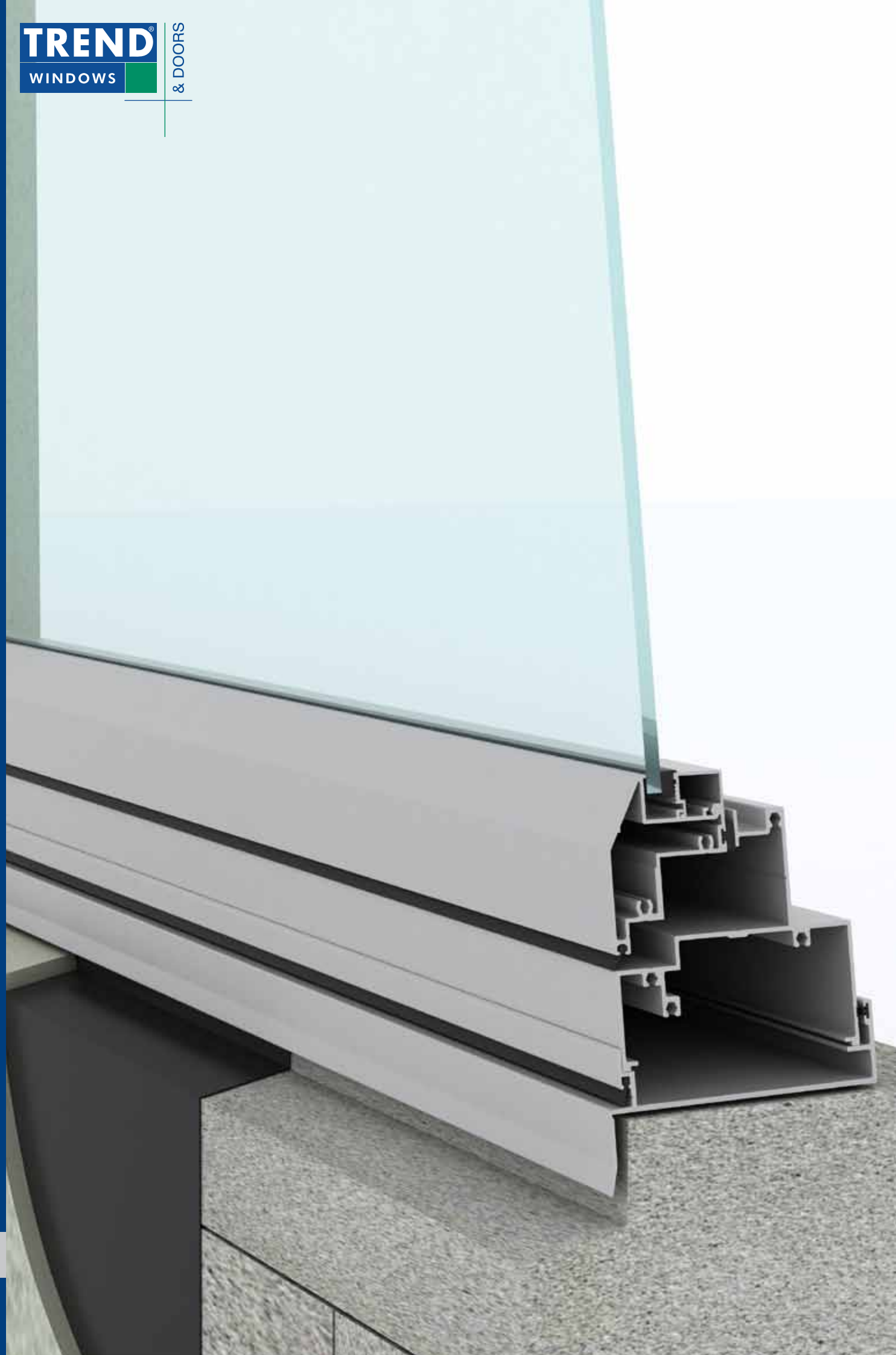
Single Lite



350 Awning Window - Cross Sectional View

Two Lite





Crestlite® 350 Casement Window

Features & Benefits

350 Casement Window - Features & Benefits

FRAME

- Robust semi commercial aluminium window frame - ideal for larger fixed lite applications.
- Overall frame profile measures is 45mm x 102mm.
- Frames are glazed from inside.
- Commercial look for apartments, units or high end residential projects.

SASH

- Casement window has a 62mm sash that allows for large operable applications.
- The 90° opening sash allows for easy cleaning and greater ventilation.
- Sash glass can be upgraded without changing sash.

GLAZING & ENERGY EFFICIENCY

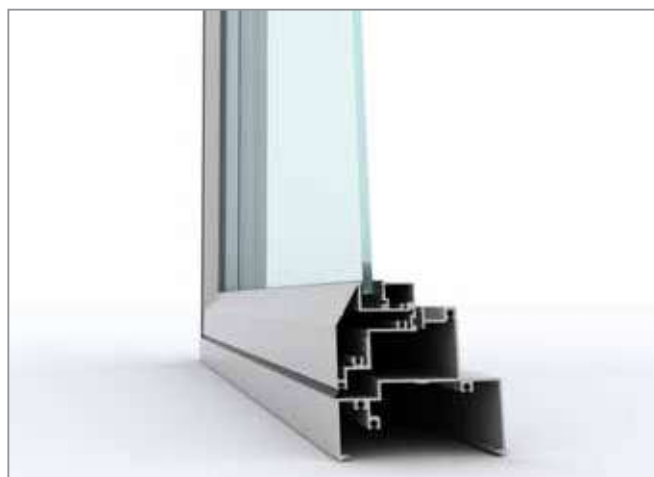
- All Trend® Windows and Doors comply with AS1288, AS/NZS466, AS/NZS1170 and AS/NZS1664.
- Glazing options from 5mm glass to 25mm insulated glazed units (IGUs).
- Energy efficiency options available to help reduce energy consumption.
- All glazing options are Window Energy Rating Scheme (WERS) rated - providing a wide range of energy efficient solutions.

ACOUSTICS

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

HARDWARE

- Operator can be supplied as key lock or non-key lock.
- Foldaway operator handle allows for overhanging curtains or blinds.
- **Infinity** black hardware is supplied as standard.
- Optional colours available
 - Pearl White
 - Stone Beige
 - Anodic Natural Matt
 - Satin Chrome
- Window locks can be keyed alike to other Trend® products for ease of use.



Note: To obtain maximum rating detail contact your nearest Trend Architectural Consultant.

350 Casement 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 AS2047.
- Pascal deflection rates up to 2200Pa.
- Casement window rated at an air infiltration of 0.49L/s m² (below the the National Construction Code (NCC) for Air conditioned spaces of 1.00L/s m²) perfect for both air conditioned and non-air conditioned spaces.

FLYSCREENS

- Integrated flyscreen is available as standard.
- Flyscreen is mounted back on the inside so that it can be removed for cleaning.

FINISHES

- Wide range of powdercoat finishes are available (including warranty powders and anodised options).

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



Crestlite® 350 Casement Window Installation



350 Casement Window - Installation

Building In Detail | **Blockwork**



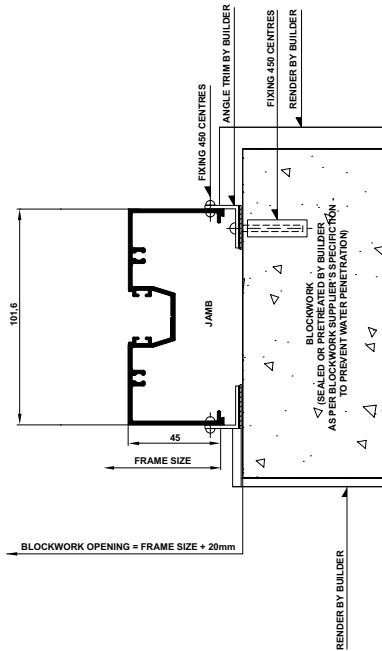
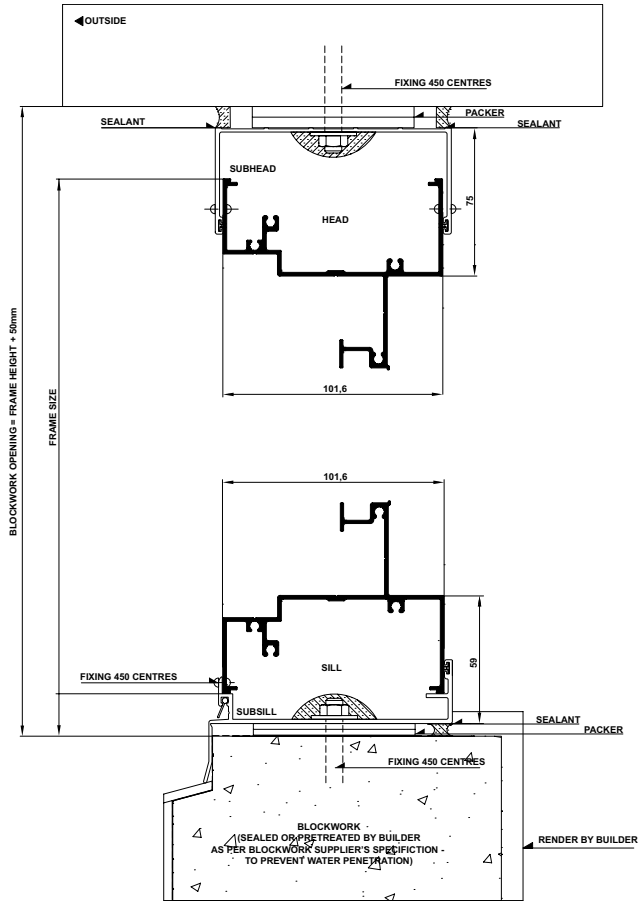
INSTALLING FRAME CORRECTLY

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

Blockwork Opening:

Height = Frame Size + 50mm
Width = Frame Size + 20mm

- Header beam should be at least 12mm clear of window frame.
- 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

Please note that drawings displayed are not to scale

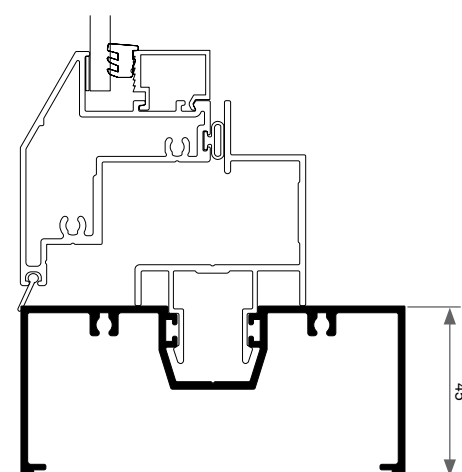
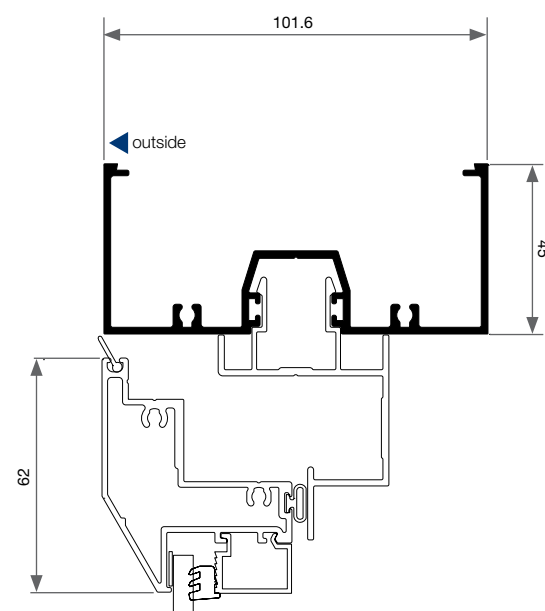
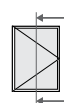
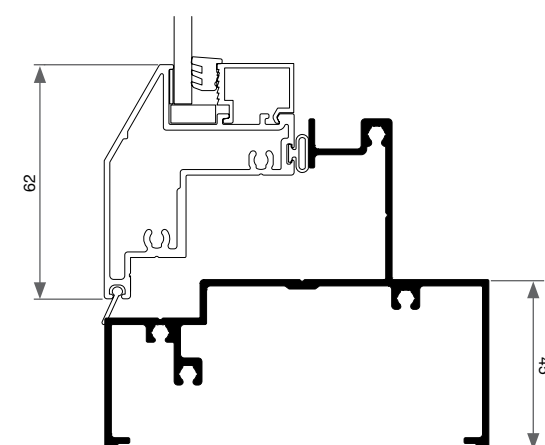
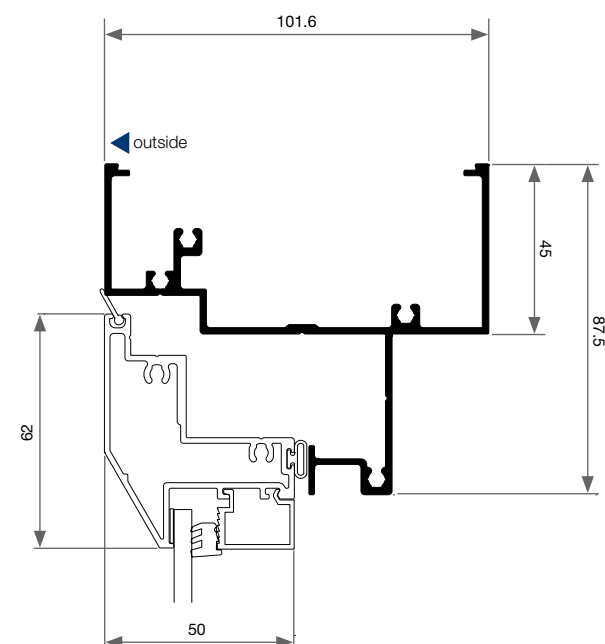


Crestlite® 350 Casement Window

Cross Sectional Views

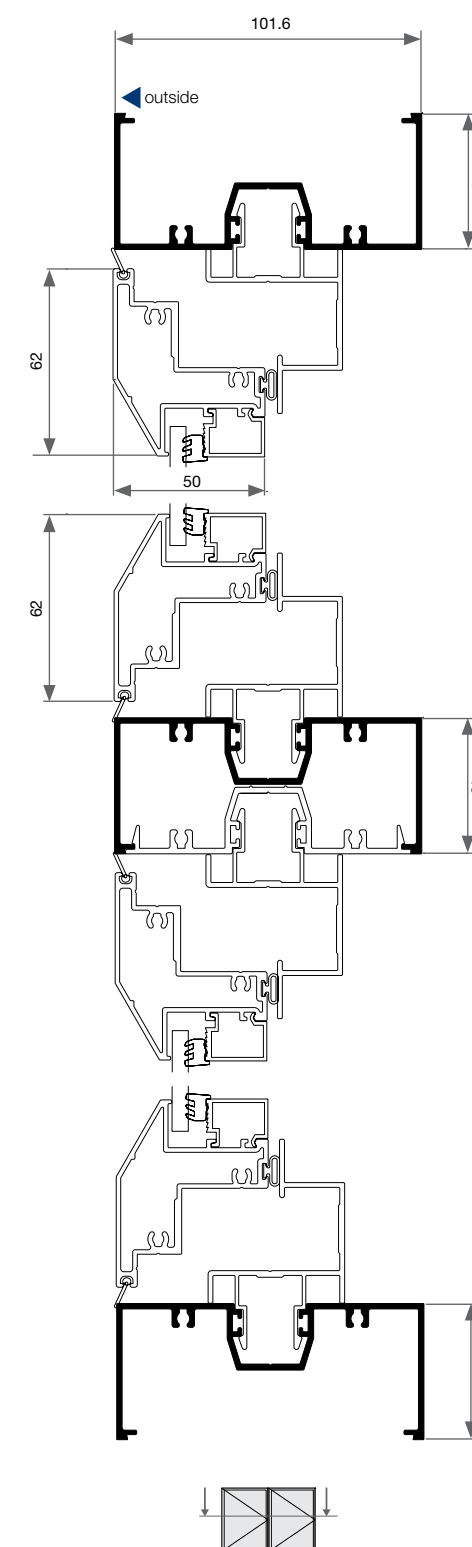
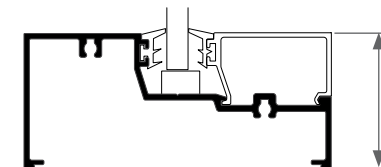
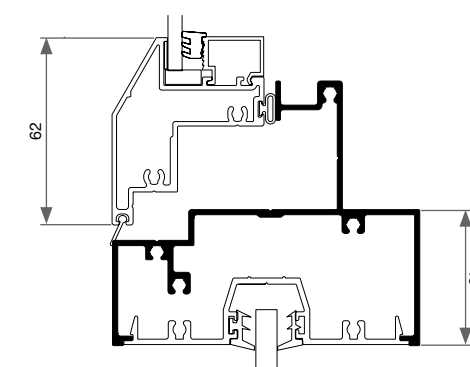
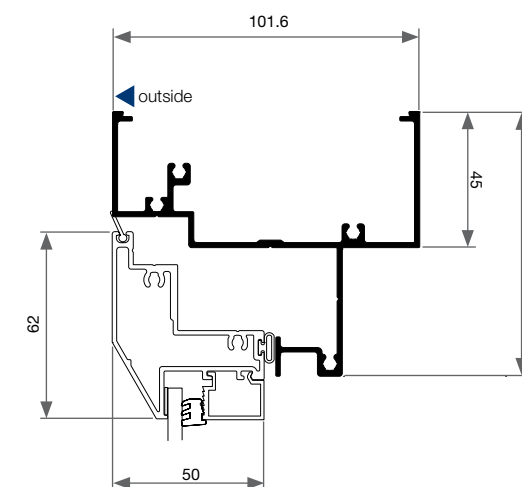
350 Casement Window - Cross Sectional Views

Single Lite



350 Casement Window- Cross Sectional Views

Two Lite | Transom



Crestlite® 480 Sliding Window

Features & Benefits

480 Sliding Window - Features & Benefits

480 Sliding Window - Features & Benefits

FRAME

- Robust semi commercial aluminium window frame - ideal for larger fixed lite applications.
- Overall frame profile measures 45mm x 102mm.
- Frames can be glazed internally.
- Commercial look for apartments, units or high end residential projects.

SASH

- Sashes are easily removable for maintenance.

GLAZING & ENERGY EFFICIENCY

- All Trend® Windows and Doors comply with AS1288, AS/NZS4666, AS/NZS1170 and AS/NZS1664.
- Glazing options from 4mm glass to 18mm insulated glazed units (IGUs).
- Energy efficiency options available to help reduce 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 or STC ratings available.

HARDWARE

- Key-lockable option for window lock available.
- Ventlock option is available.
- **Infinity** black hardware is supplied as standard.
- Optional colours available
 - Pearl White
 - Stone Beige
 - Anodic Natural Matt
- Window locks can be keyed alike to other Trend® products for ease of use.

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 AS2047.
- Pascal deflection rates up to 2200Pa.
- Sliding window rated at an air infiltration of 0.66L/s m² (below the the National Construction Code (NCC) for Air conditioned spaces of 1.00L/s m²) perfect for both air conditioned and non-air conditioned spaces.

FLYSCREENS

- Flyscreen is available.

FINISHES

- Wide range of powdercoat finishes are available (including warranty powders and anodised options).



Note: To obtain maximum rating detail contact your nearest Trend Architectural Consultant.

Please note that drawings displayed are not to scale

Please note that drawings displayed are not to scale



Crestlite® 480 Sliding Window Installation

480 Sliding Window - Installation

Building In Detail | **Blockwork**



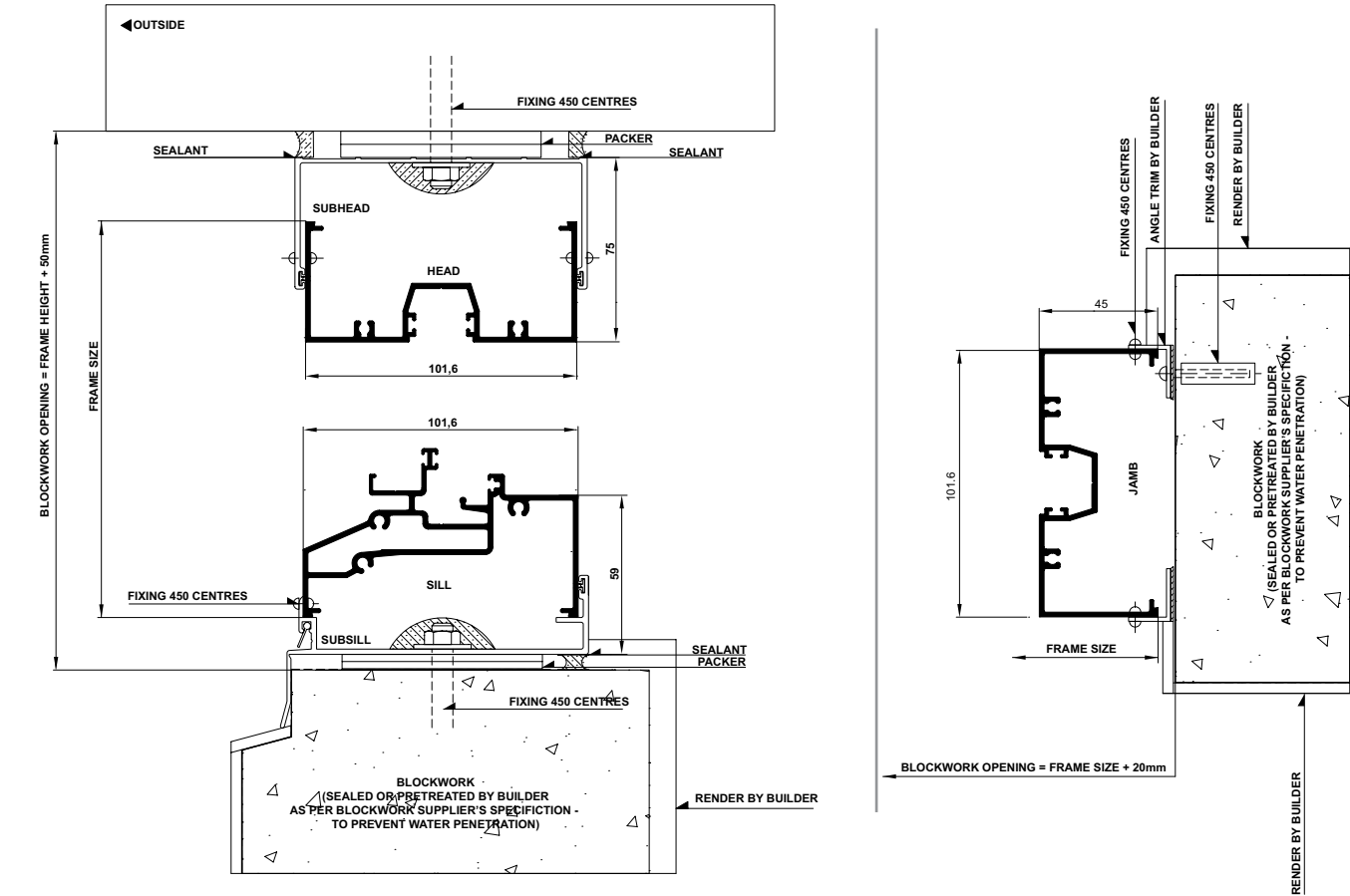
INSTALLING FRAME CORRECTLY

- 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.

Blockwork Opening:

Height = Frame Size + 50mm
Width = Frame Size + 20mm

- 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.)**
- 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



Please note that drawings displayed are not to scale

Please note that drawings displayed are not to scale

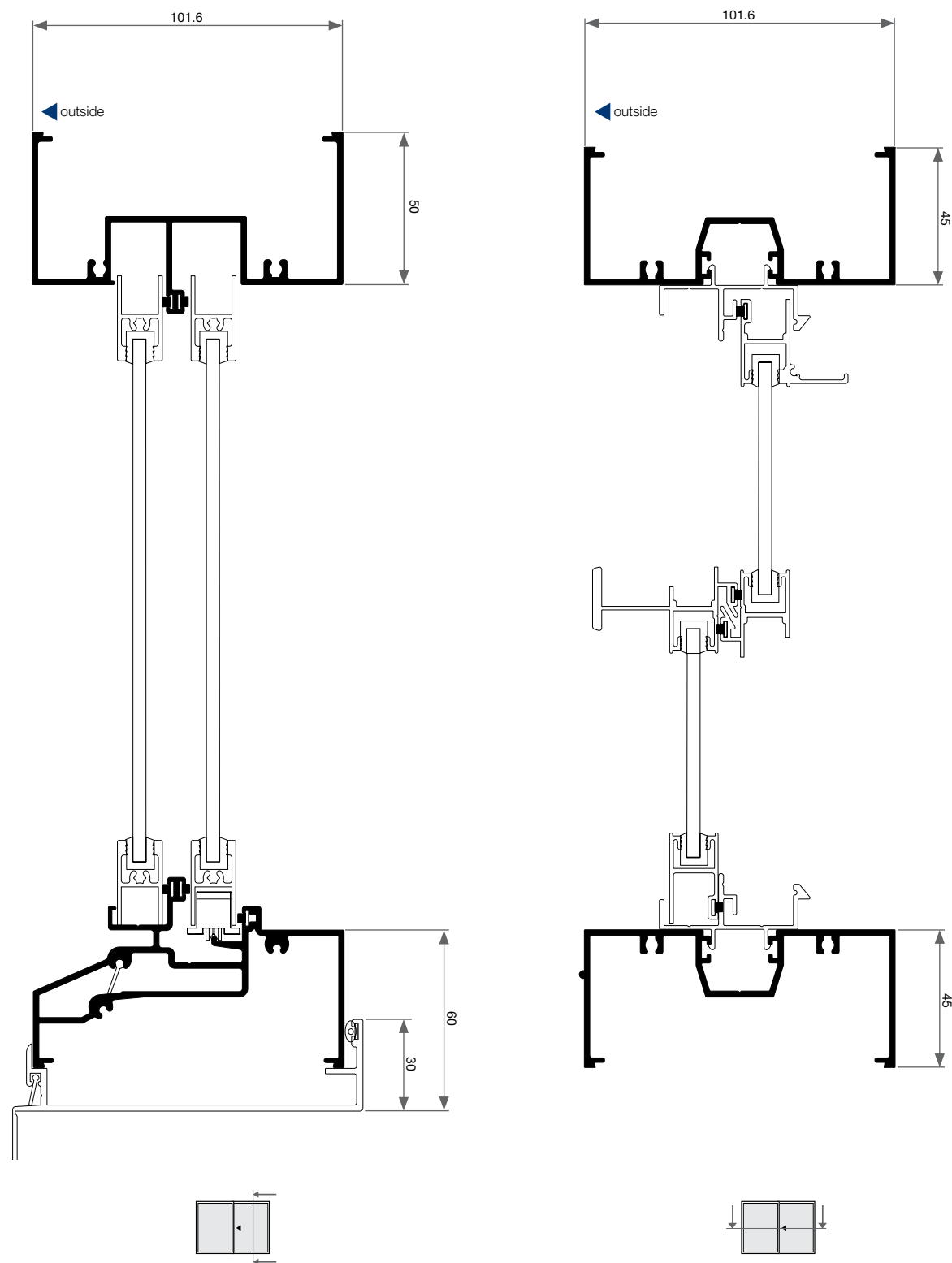


Crestlite® 480 Sliding Window

Cross Sectional Views

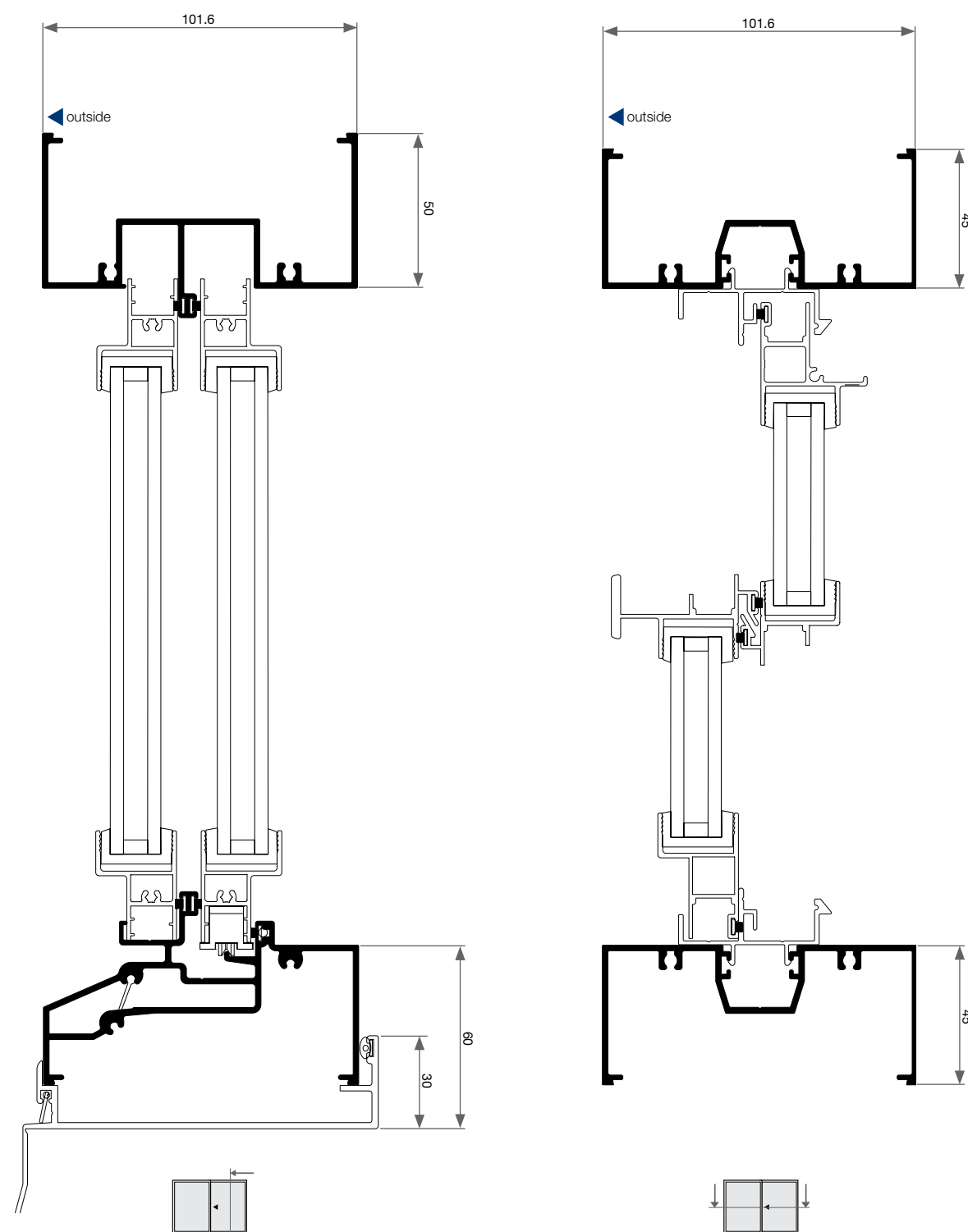
480 Sliding Window - Cross Sectional View

Two Lite



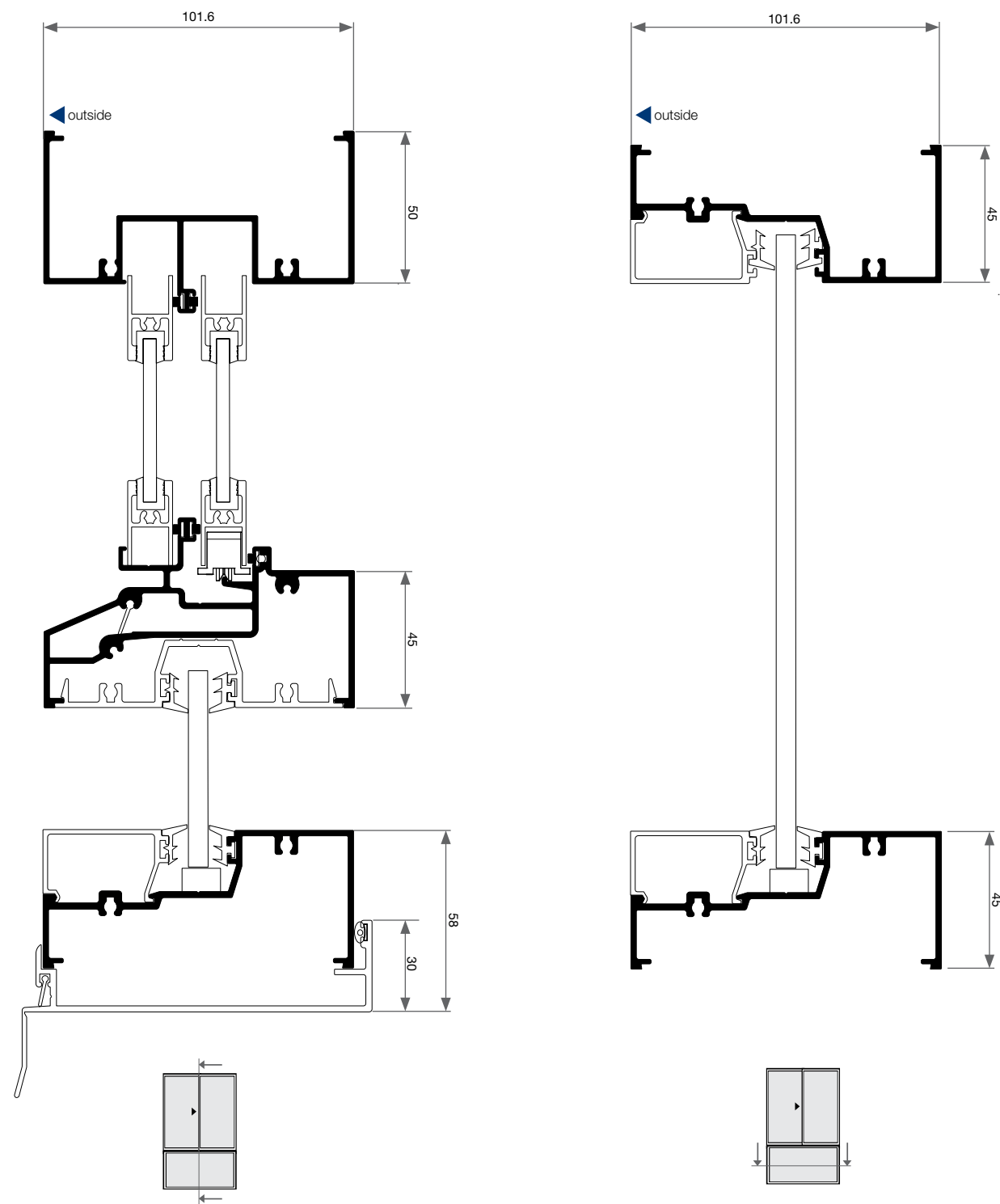
480 Sliding Window - Cross Sectional View

Two Lite | Double Glazed



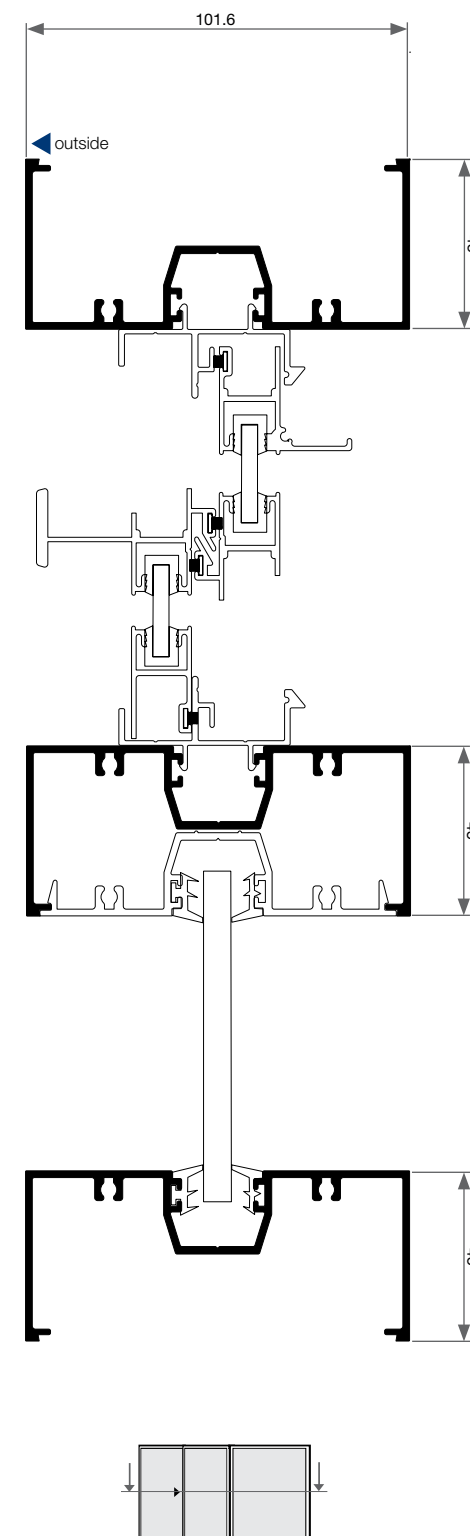
480 Sliding Window - Cross Sectional View

Two Lite | Transom



480 Sliding Window - Cross Sectional View

Two lite | Side Lite





Crestlite® 600 Front Glazed **Features & Benefits**

600 Front Glazed - Features & Benefits

FRAME

- Robust commercial aluminium window frame - ideal for larger fixed lite applications.
- Overall frame profile measures is 50mm x 102mm.
- Frames are glazed internally.
- Frame can be glazed with top or bottom bead.
- Commercial look for developments, apartments, units or high end residential projects.

GLAZING & ENERGY EFFICIENCY

- All Trend® Windows and Doors comply with AS1288, AS/NZS4666, AS/NZS1170 and AS/NZS1664.
- Frame contains deep pockets allowing for greater overlapping strength of glass.
- Clean glazing line to exterior aspect.
- Frames are glazed internally or externally.
- Glazing options from 5mm to 12.38mm thickness.
- Maximum single fixed lite panel is up to 8sqm each.
- Maximum multiple fixed lite panels is up to 6sqm each
- Secure captive wedge used for glazing frames.
- Energy efficiency options available to help reduce 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 or STC ratings available.

FRAME ADAPTABILITY

- Crestlite® hinge door, pivot door and awning sash inserts are designed to be adapted to this frame.

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 AS2047.
- Pascal deflection rates up to 2200Pa.
- Front glazed commercial suite contains a concealed drainage hole for high water ratings as well as additional front screw holes for stronger frame fixing for higher wind load areas.
- Front glazed is rated at an air infiltration of 0.19L/s m² (below the the National Construction Code (NCC) for Air conditioned spaces of 1.00L/s m²) perfect for both air conditioned and non-air conditioned spaces.

FINISHES

- Wide range of powdercoat finishes are available (including warranty powders and anodised options).



Note: To obtain maximum rating detail contact your nearest Trend Architectural Consultant.

600 Front Glazed - Features & Benefits



Crestlite® 600 Front Glazed Installation

600 Front Glazed - Installation

Building In Detail | **Blockwork**



INSTALLING FRAME CORRECTLY

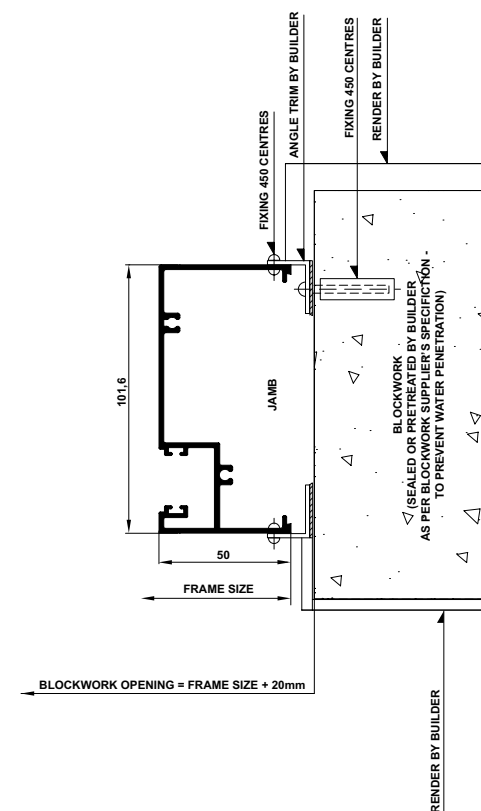
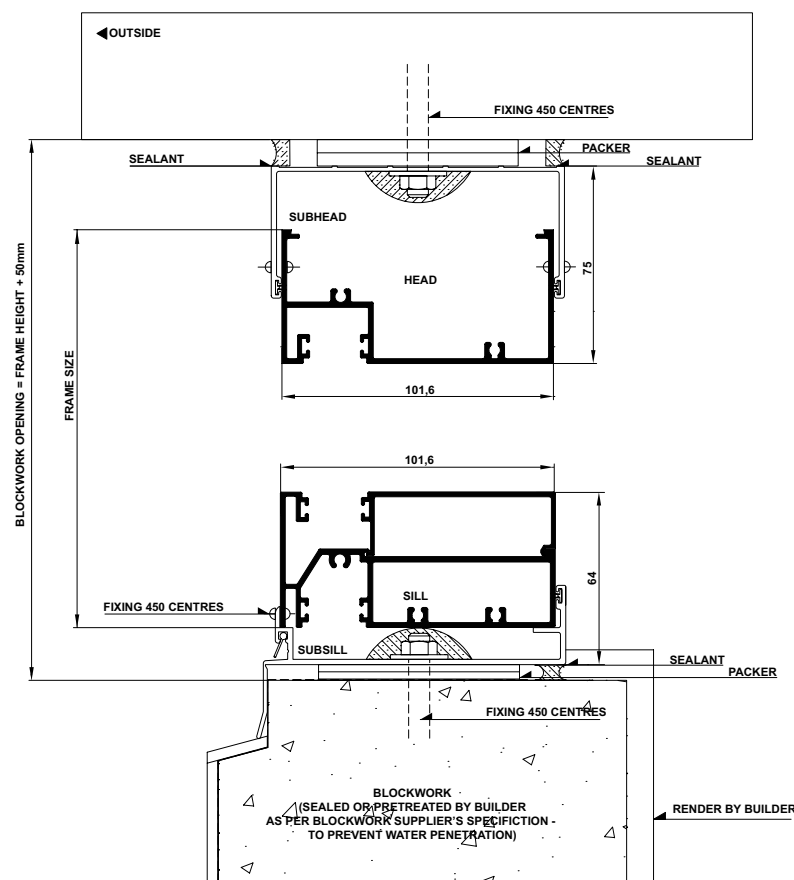
- Measure the frame opening to ensure that there is sufficient room for the product and additional packing.

Blockwork Opening:

Height = Frame Size + 50mm

Width = Frame Size + 20mm

- Header beam should be at least 12mm clear of window frame.
- 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.

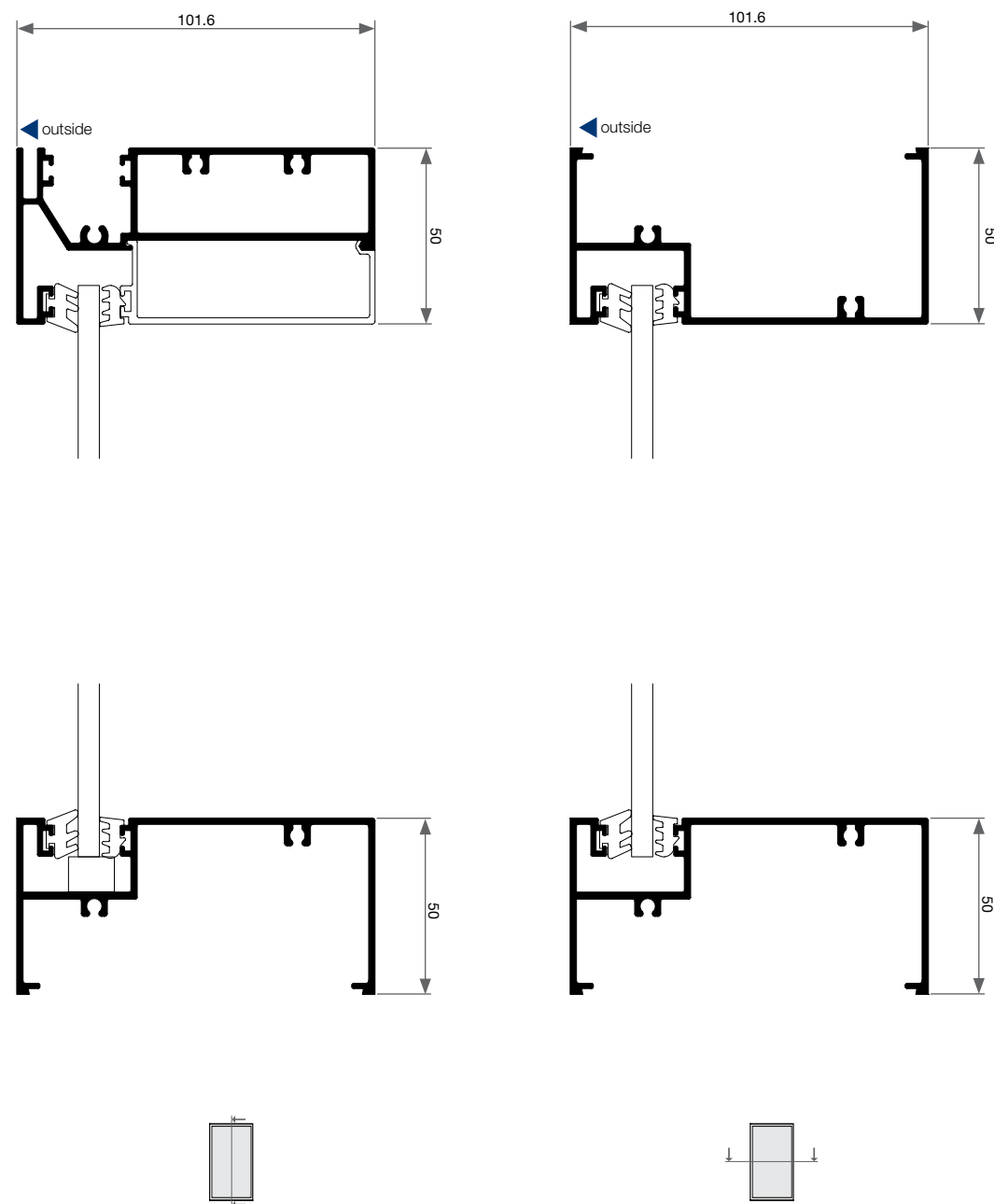




Crestlite® 600 Front Glazed Cross Sectional Views

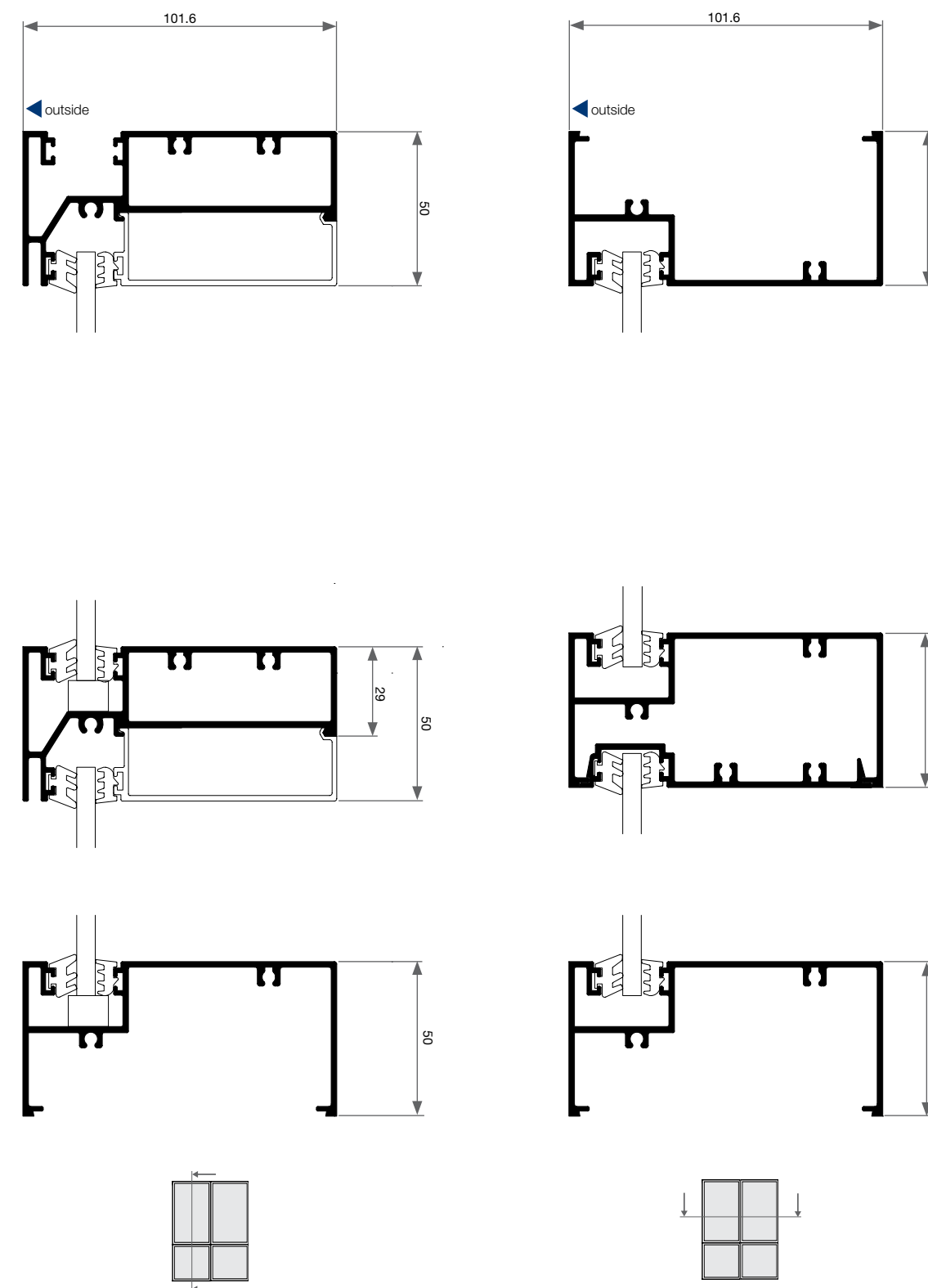
600 Front Glazed - Cross Sectional View

Single Lite Top Beaded



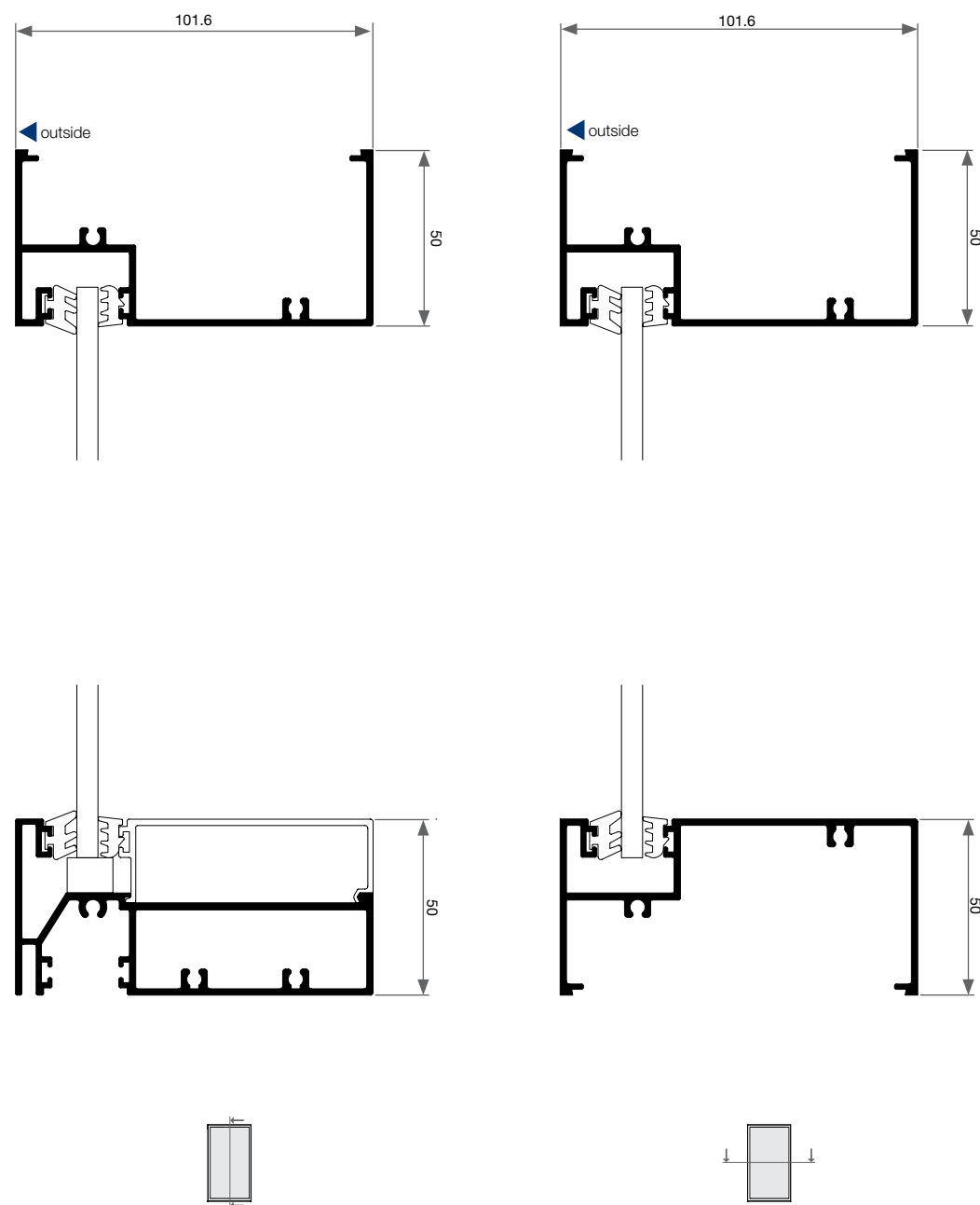
600 Front Glazed - Cross Sectional View

Two Lite with Lowlite - Top Beaded



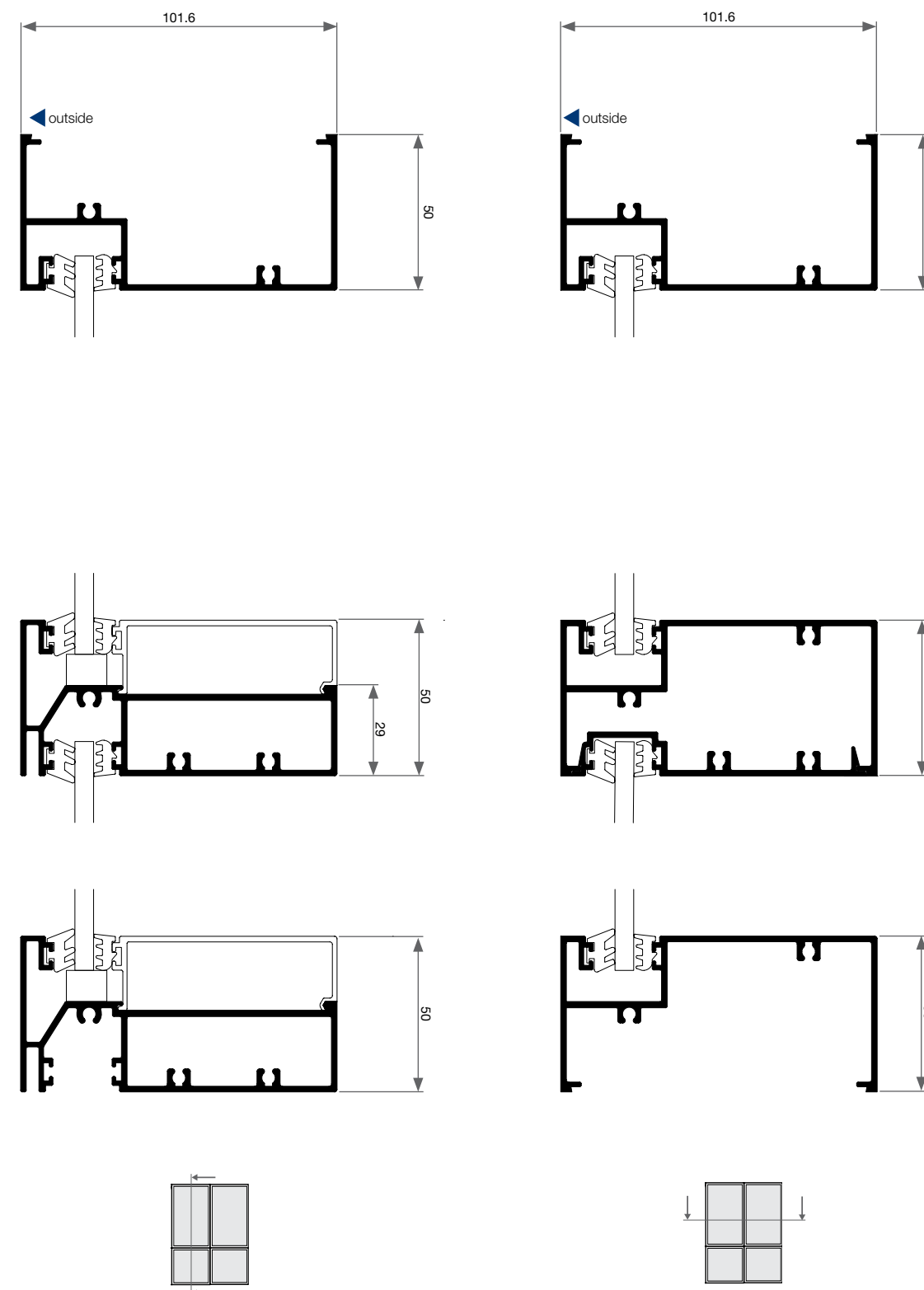
600 Front Glazed - Cross Sectional View

Single Lite - Bottom Beaded



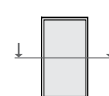
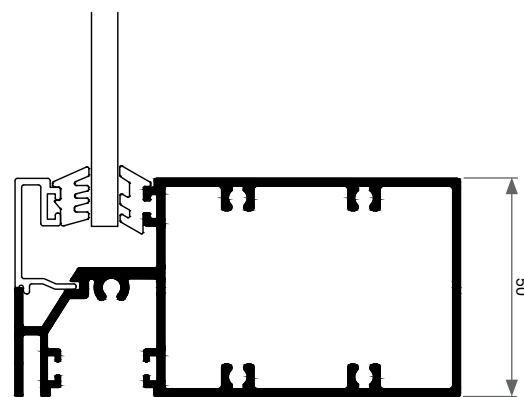
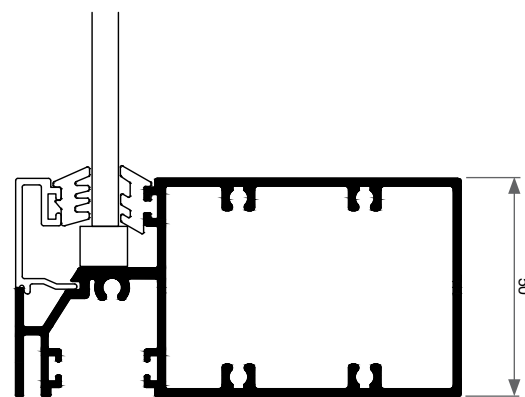
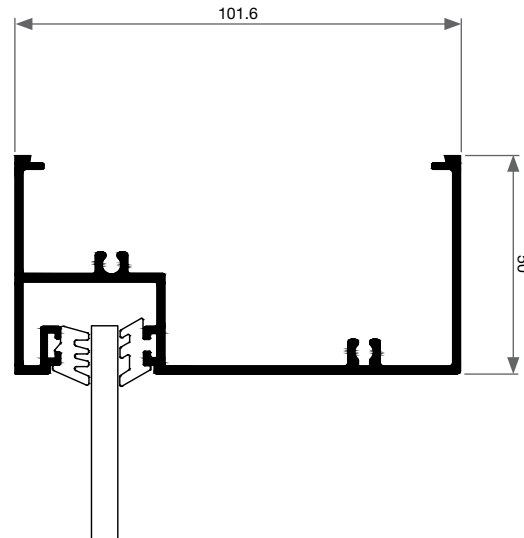
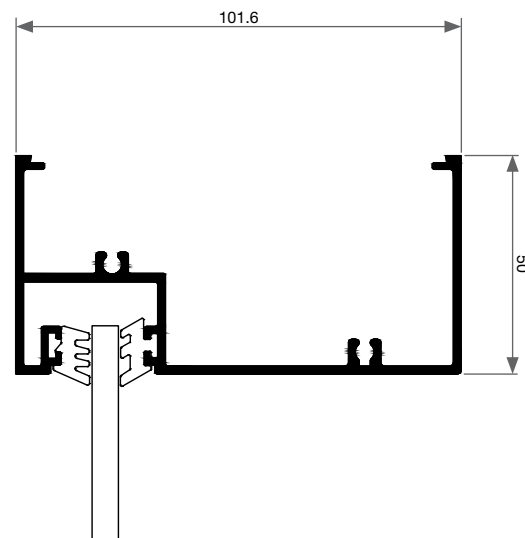
600 Front Glazed - Cross Sectional View

Two Lite with Lowlite - Bottom Beaded



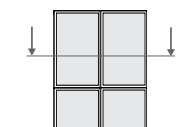
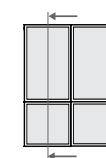
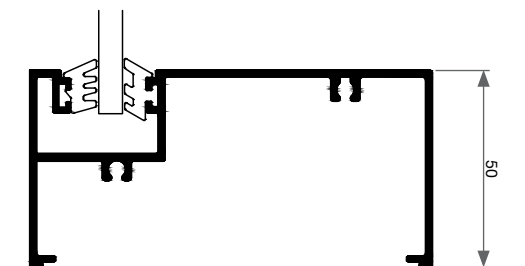
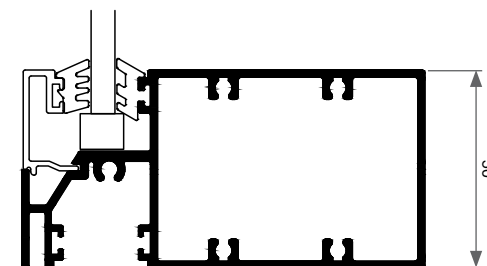
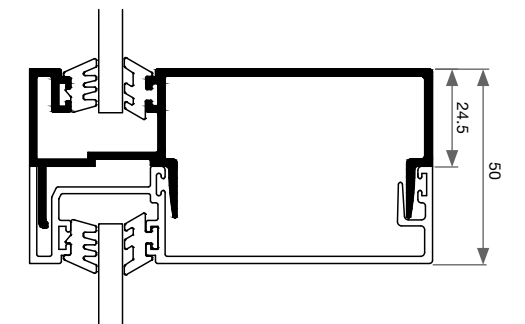
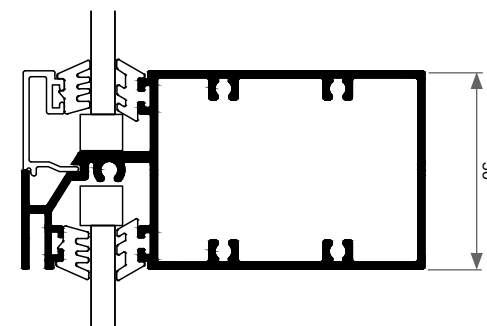
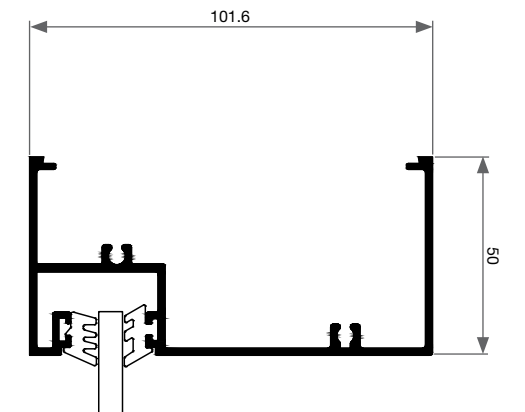
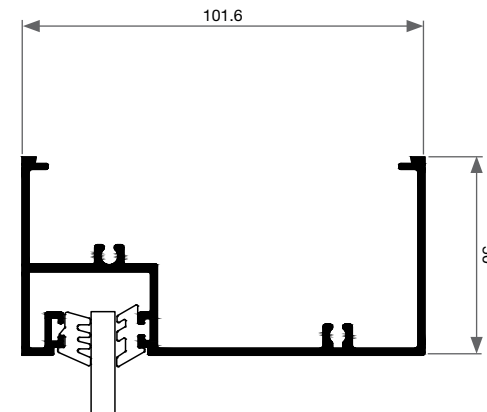
600 Front Glazed - Cross Sectional View

Single Lite - Externally Beaded



600 Front Glazed - Cross Sectional View

Two Lite with Lowlite - Externally Beaded



Crestlite® 650 Inline Awning Window **Features & Benefits**



650 Inline Awning Window - Features & Benefits

FRAME

- Robust semi commercial aluminium window frame - ideal for larger fixed lite applications.
- Overall frame profile measures is 50mm x 102mm.
- Frames can be glazed internally.
- Frame can be glazed with top or bottom bead.
- Commercial look for developments, apartments, units or high end residential projects.

SASH

- 38mm awning sash incorporates a flush double sealing system on the frame to improve weathering performance.
- The sash is flush to the frame giving clean lines to the overall appearance.
- Awning is available in front pocket framing section adaptable with centre pocket framing.

GLAZING & ENERGY EFFICIENCY

- All Trend® Windows and Doors comply with AS1288, AS/NZS4666, AS/NZS1170 and AS/NZS1664.
- Frame contains deep pockets allowing for greater overlapping strength of glass.
- Clean glazing line to exterior aspect.
- Glazing options from 6mm to 24mm insulated glazed unit (IGU).
- Secure captive wedge used for glazing frames.
- Energy efficiency options available to help reduce 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 or STC ratings available.

HARDWARE

- Key lock is supplied as standard.
- **Infinity** black hardware is supplied as standard.
- Optional colours available
 - Pearl White
 - Stone Beige
 - Anodic Natural Matt
 - Satin Chrome
- Window locks can be keyed alike to other Trend® products for ease of use.
- Restricted openings are also standard for high rise situations.



Note: To obtain maximum rating detail contact your nearest Trend Architectural Consultant.

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 AS2047.
- Pascal deflection rates up to 2200Pa.
- Front glazed commercial suite contains a concealed drainage hole for high water ratings as well as additional front screw holes for stronger frame fixing for higher wind load areas.
- Inline awning window rated at an air infiltration of 0.4L/s m² (below the the National Construction Code (NCC) for Air conditioned spaces of 1.00L/s m²) perfect for both air conditioned and non-air conditioned spaces.

FINISHES

- Wide range of powdercoat finishes are available (including warranty powders and anodised options).





Crestlite® 650 Inline Awning Window Installation

650 Inline Awning Window - Installation

Building In Detail | **Blockwork**



INSTALLING FRAME CORRECTLY

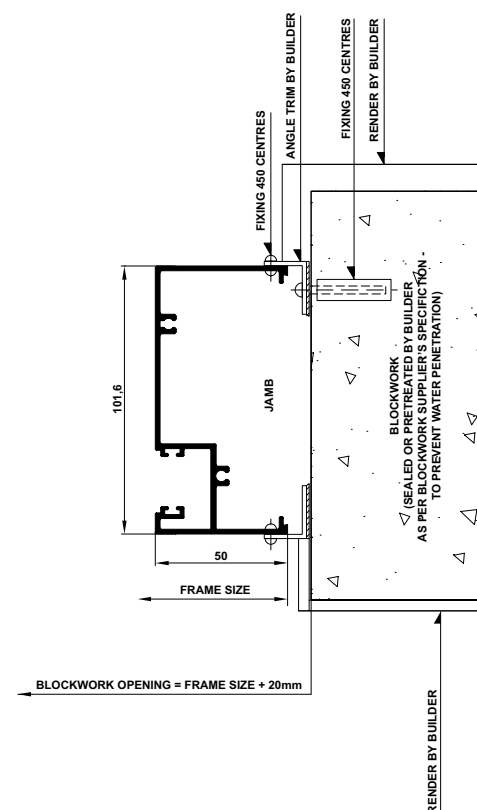
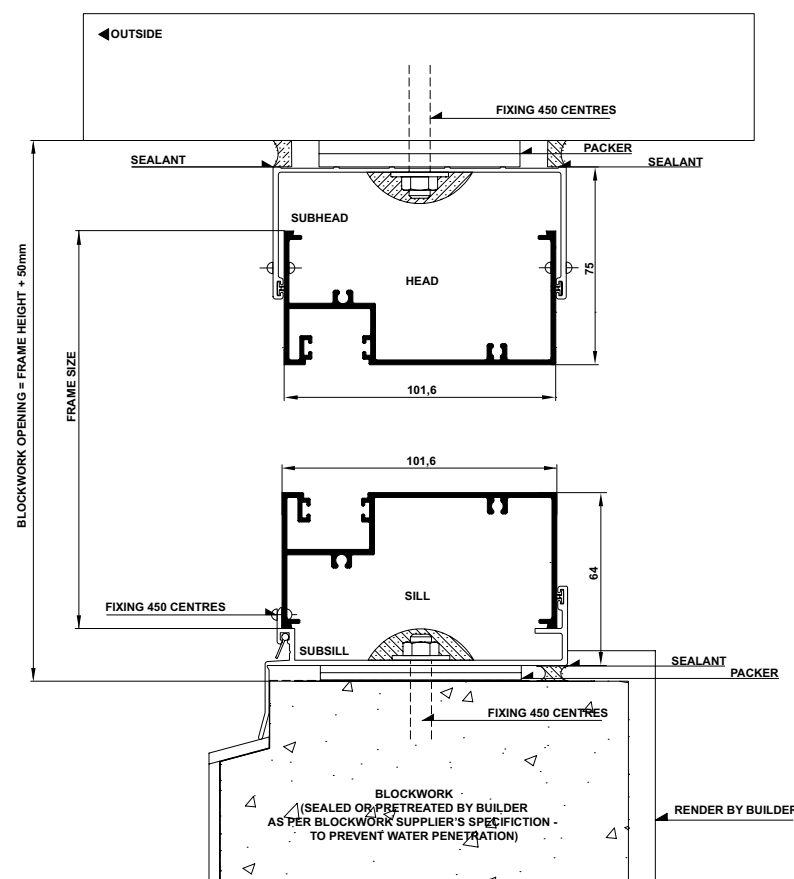
- Measure the frame opening to ensure that there is sufficient room for the product and additional packing.

Blockwork Opening:

Height = Frame Height + 50mm

Width = Frame Size + 20mm

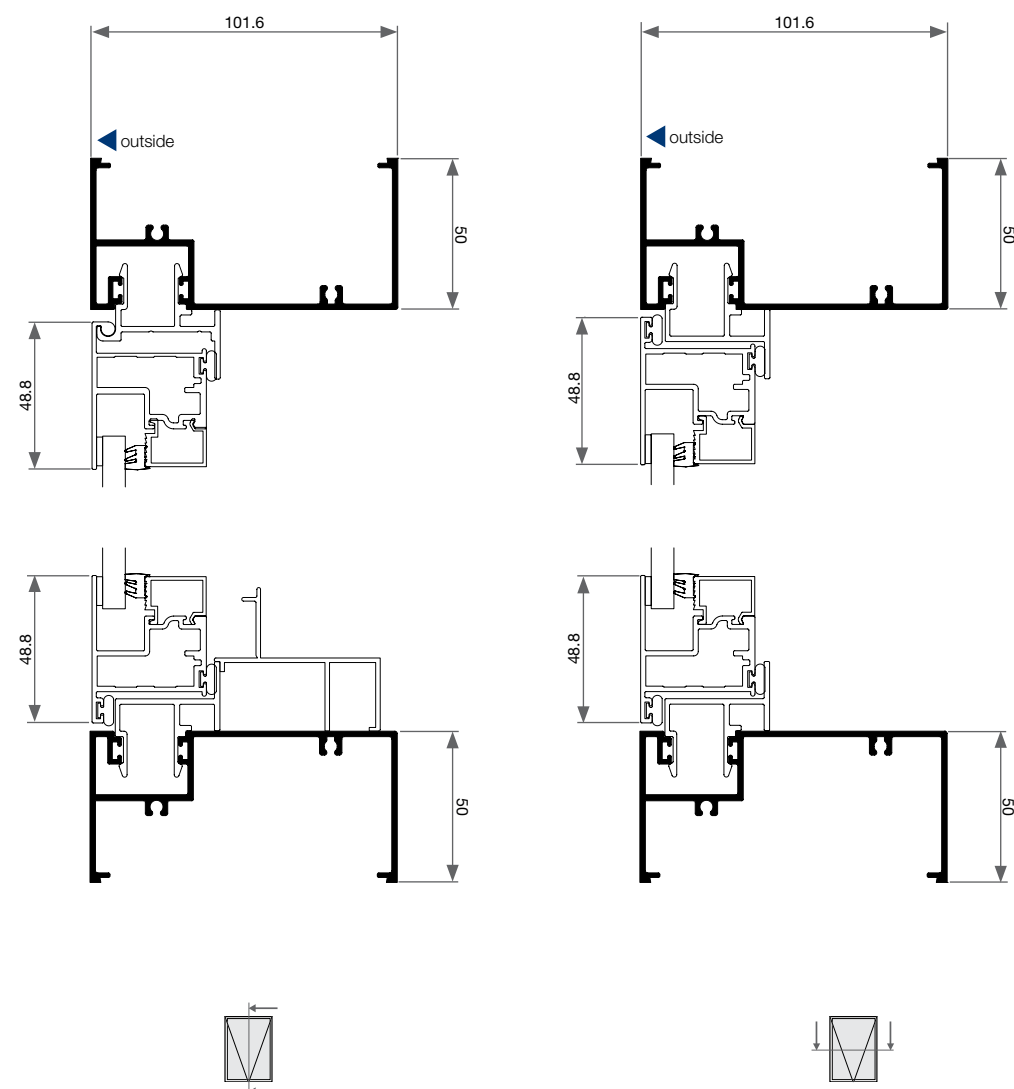
- Header beam should be at least 12mm clear of window frame.
- Fit subframe to opening and seal fixings.
- Fit window to subframe (screw or pop-rivet).
- Do not permit weight of eaves or arch bars to bear on any window or door frame. **(Windows and doors are not load bearing.)**
- To ensure the satisfactory long term performance of doors, sill must be fully supported.
- Ensure outside finish does not block sill drainage holes.



Crestlite® 650 Inline Awning **Cross Sectional Views**

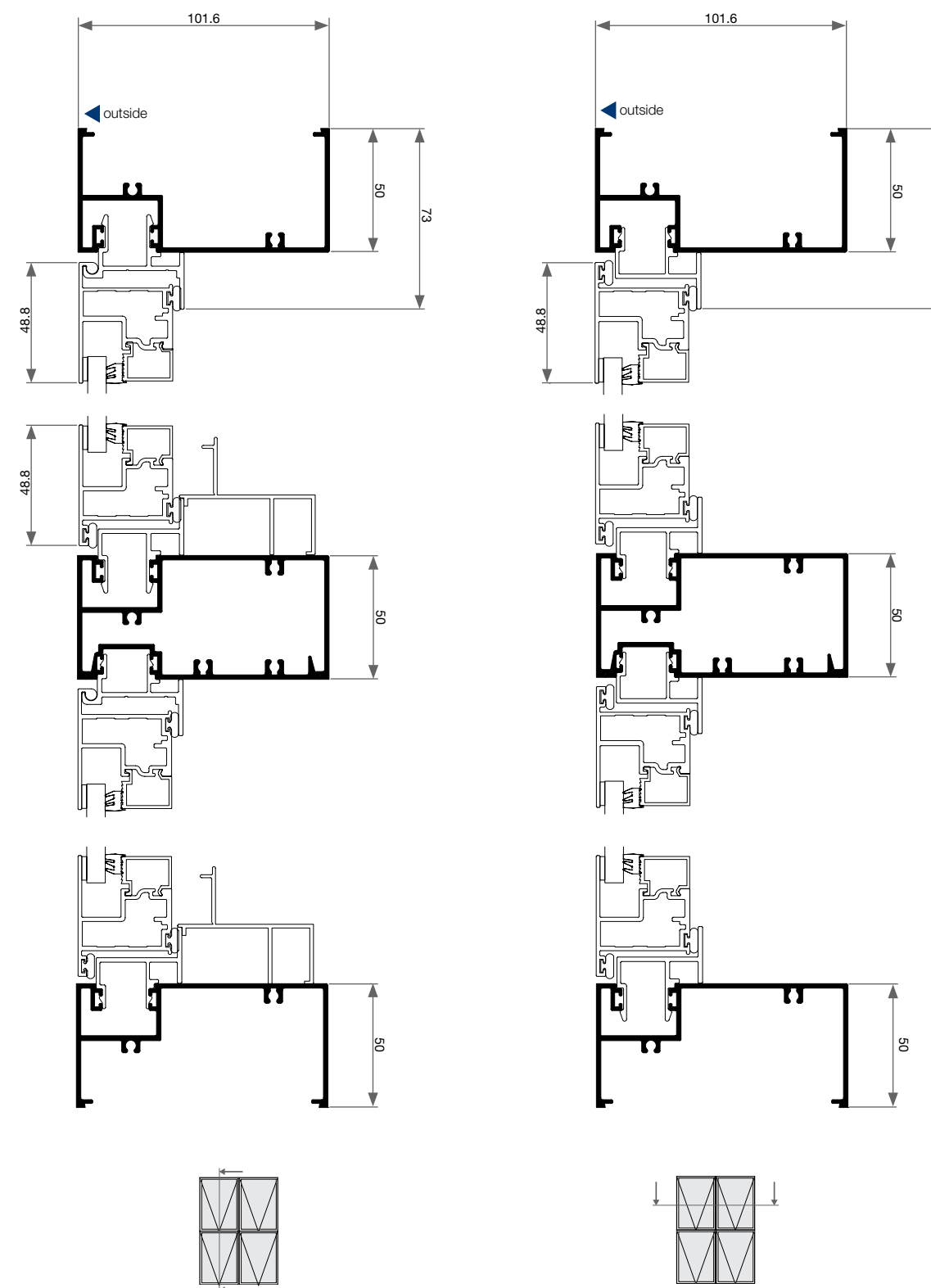
650 Inline Awning Window - Cross Sectional Views

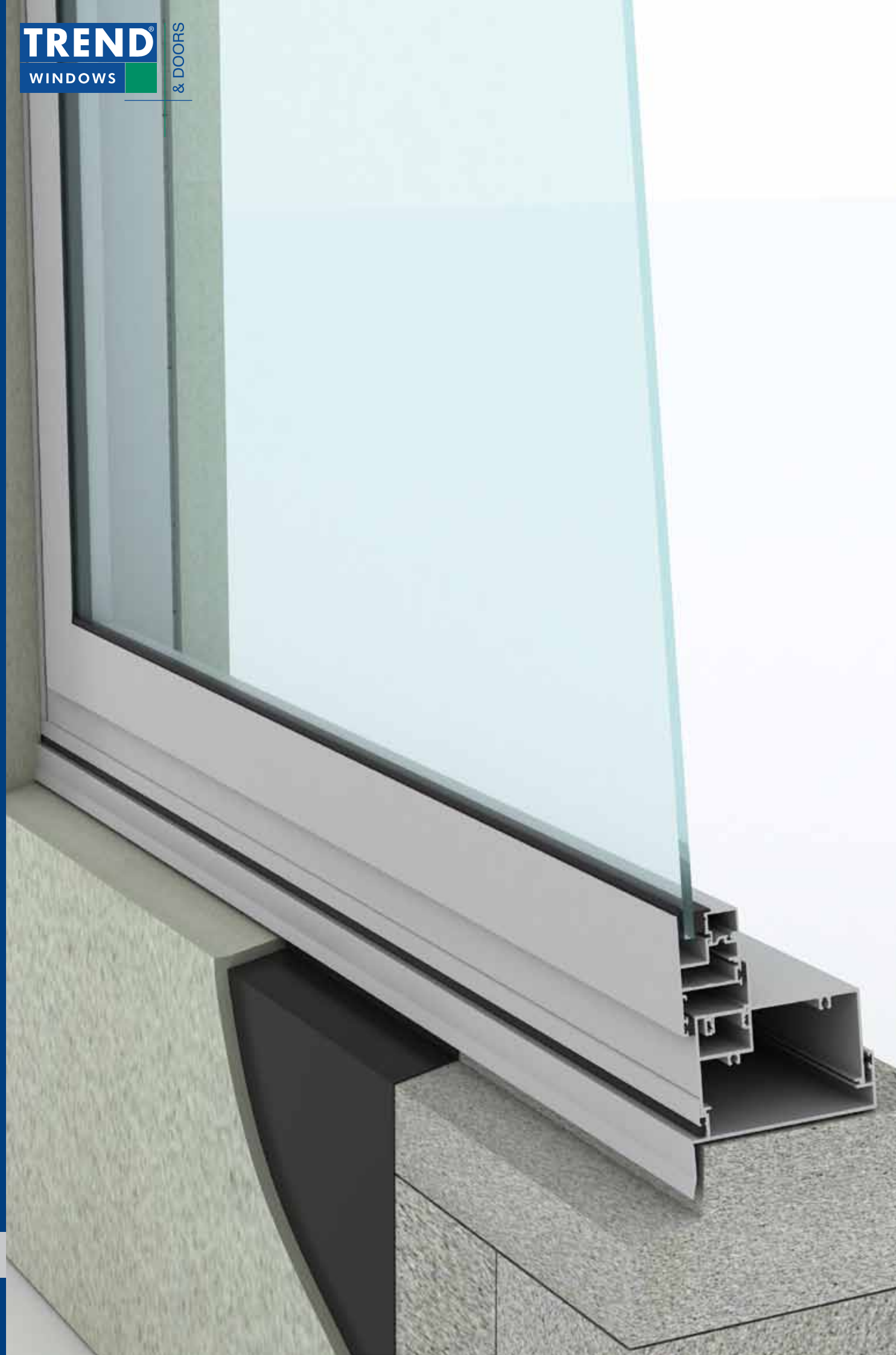
Single Lite



650 Inline Awning Window - Cross Sectional Views

Two Lite





Crestlite® 650 Overlap Awning Window

650 Overlap Awning Window - Features & Benefits

FRAME

- Robust semi commercial aluminium window frame - ideal for larger fixed lite applications.
- Overall frame profile measures 50mm x 102mm.
- Frames can be glazed internally or externally - must be specified at time of order.
- Frame can be glazed with top or bottom bead.
- Commercial look for developments, apartments, units or high end residential projects.

SASH

- 38mm profile awning sash incorporates a flush double sealing system on the frame.
- Sash overlaps the exterior frame - increases performance and sealing.
- Large single lite windows are available.

GLAZING & ENERGY EFFICIENCY

- All Trend® Windows and Doors comply with AS1288, AS/NZS4666, AS/NZS1170 and AS/NZS1664.
- Frame contains deep pockets allowing for greater overlapping strength of glass.
- Clean glazing line to exterior aspect.
- Glazing options from 6mm to 24mm insulated glazed unit (IGU).
- Secure captive wedge used for glazing frames.
- Energy efficiency options available to help reduce 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 or STC ratings available.

FRAME ADAPTABILITY

- Crestlite® hinge door, pivot door and awning sash inserts are designed to be adapted to this frame.

Note: To obtain maximum rating detail contact your nearest Trend Architectural Consultant.



WIND & WATER RATINGS

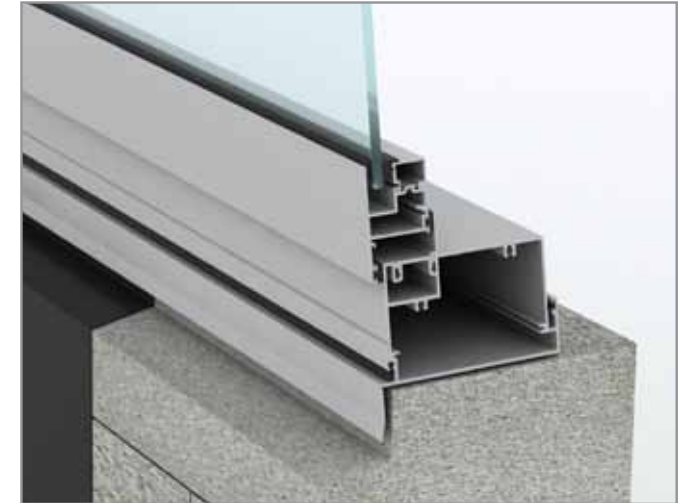
- All Trend® Windows and Doors are designed to meet and surpass 700Pa wind velocity rating and 150Pa water penetration rating and comply with AS2047.
- Pascal deflection rates up to 2200Pa.
- Front glazed commercial suite contains a concealed drainage hole for high water ratings as well as additional front screw holes for stronger frame fixing for higher wind load areas.
- Overlap awning window rated at an air infiltration of 0.4L/s m² (below the the National Construction Code (NCC) for Air conditioned spaces of 1.00L/s m²) perfect for both air conditioned and non-air conditioned spaces.

HARDWARE

- Key lock is supplied as standard.
- **Infinity** black hardware is supplied as standard.
- Optional colours available
 - Pearl White
 - Stone Beige
 - Anodic Natural Matt
 - Satin Chrome
- Window locks can be keyed alike to other Trend® products for ease of use.
- Restricted openings are also standard for high rise situations.

FINISHES

- Wide range of powdercoat finishes are available (including warranty powders and anodised options).





Crestlite® 650 Overlap Awning Window

650 Overlap Awning Window - Installation

Building In Detail | **Blockwork**



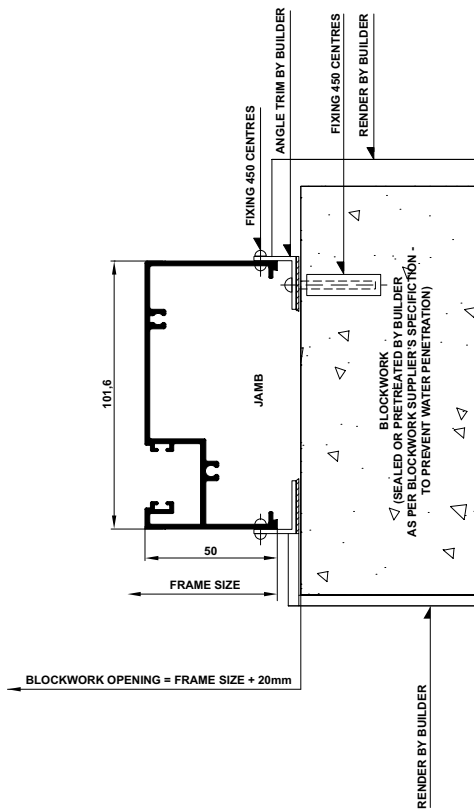
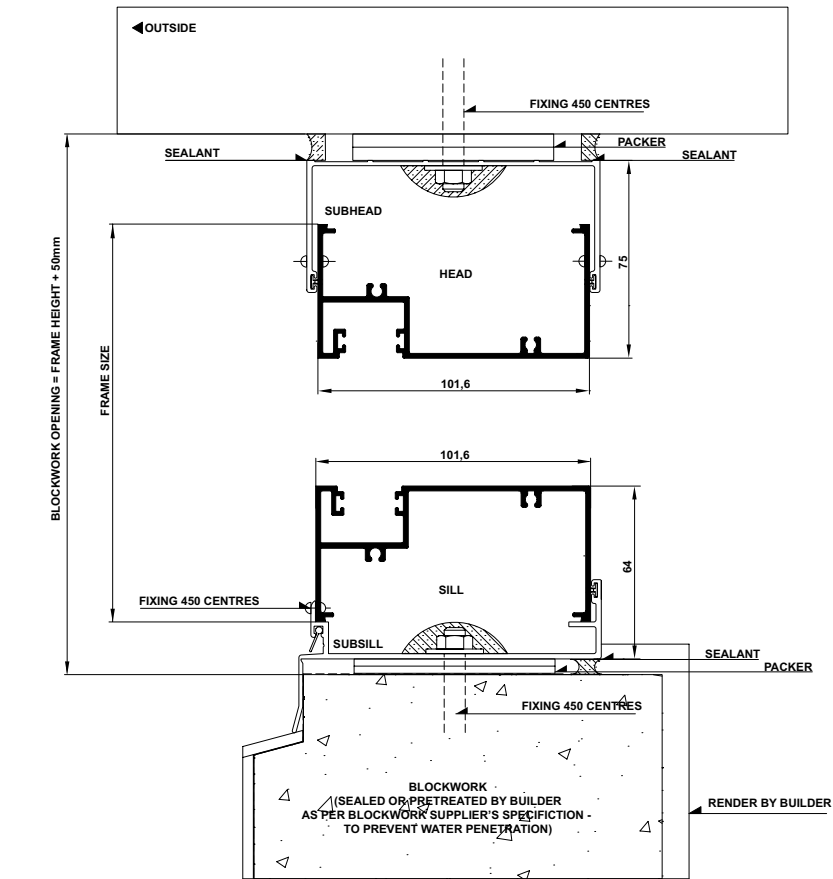
INSTALLING FRAME CORRECTLY

- 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.

Blockwork Opening:

Height = Frame Size + 50mm
Width = Frame Size + 20mm

- 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, sill must be fully supported.
- Ensure outside finish does not block sill drainage holes.



Please note that drawings displayed are not to scale

Trend® Windows & Doors | Design Manual | C-Mk-1 | February 2016

Confidentiality Notice: This document and the information it contains are copyright and confidential to Trend® Windows & Doors Pty Limited. Disclosure, use and copying in any form whatsoever, except as authorised by Trend® Windows & Doors in writing, are strictly prohibited. Patents and Design Registrations pending

Please note that drawings displayed are not to scale

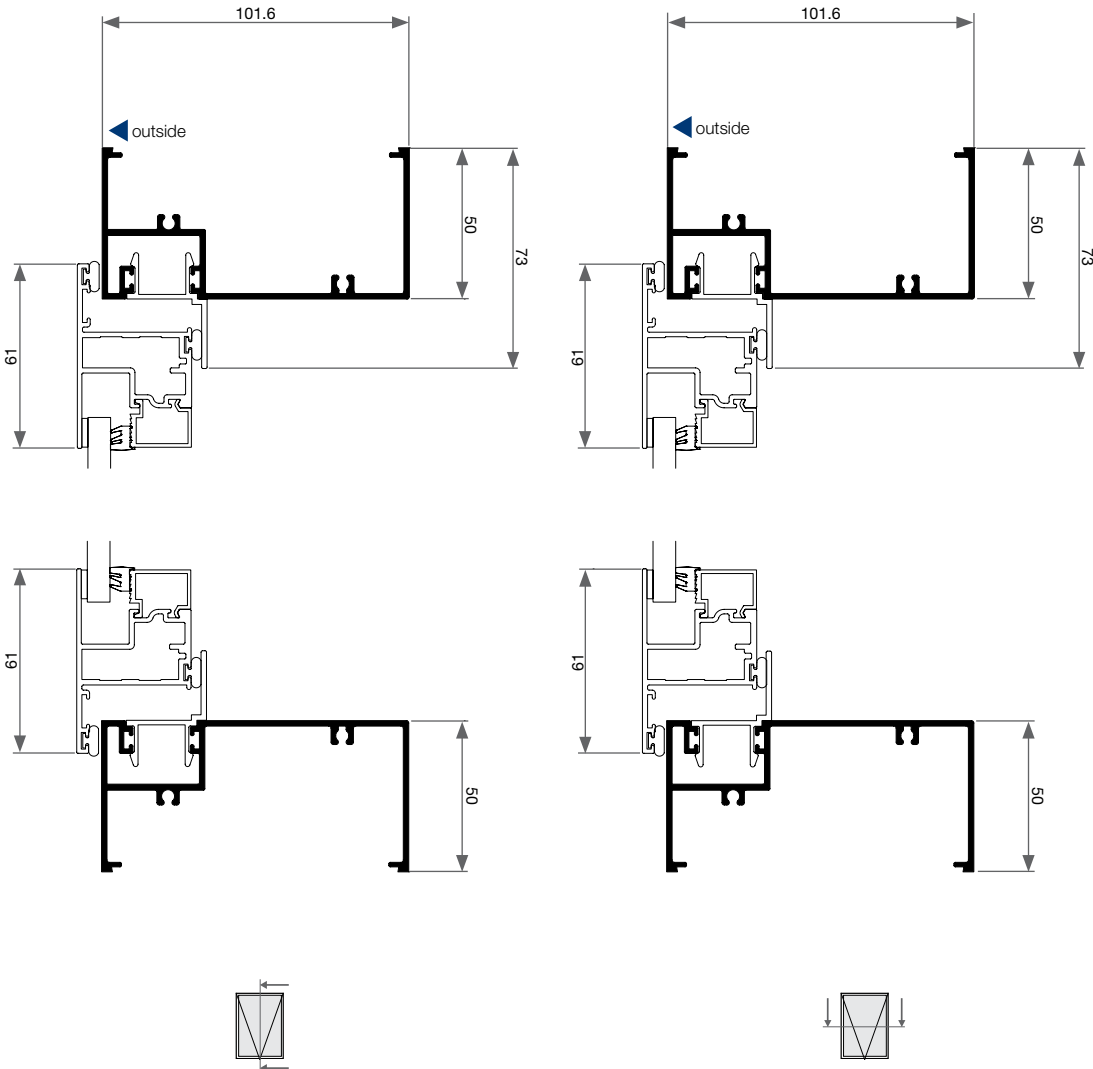
Trend® Windows & Doors | Design Manual | C-Mk-1 | February 2016

Confidentiality Notice: This document and the information it contains are copyright and confidential to Trend® Windows & Doors Pty Limited. Disclosure, use and copying in any form whatsoever, except as authorised by Trend® Windows & Doors in writing, are strictly prohibited. Patents and Design Registrations pending

Crestlite® 650 Overlap Awning Window

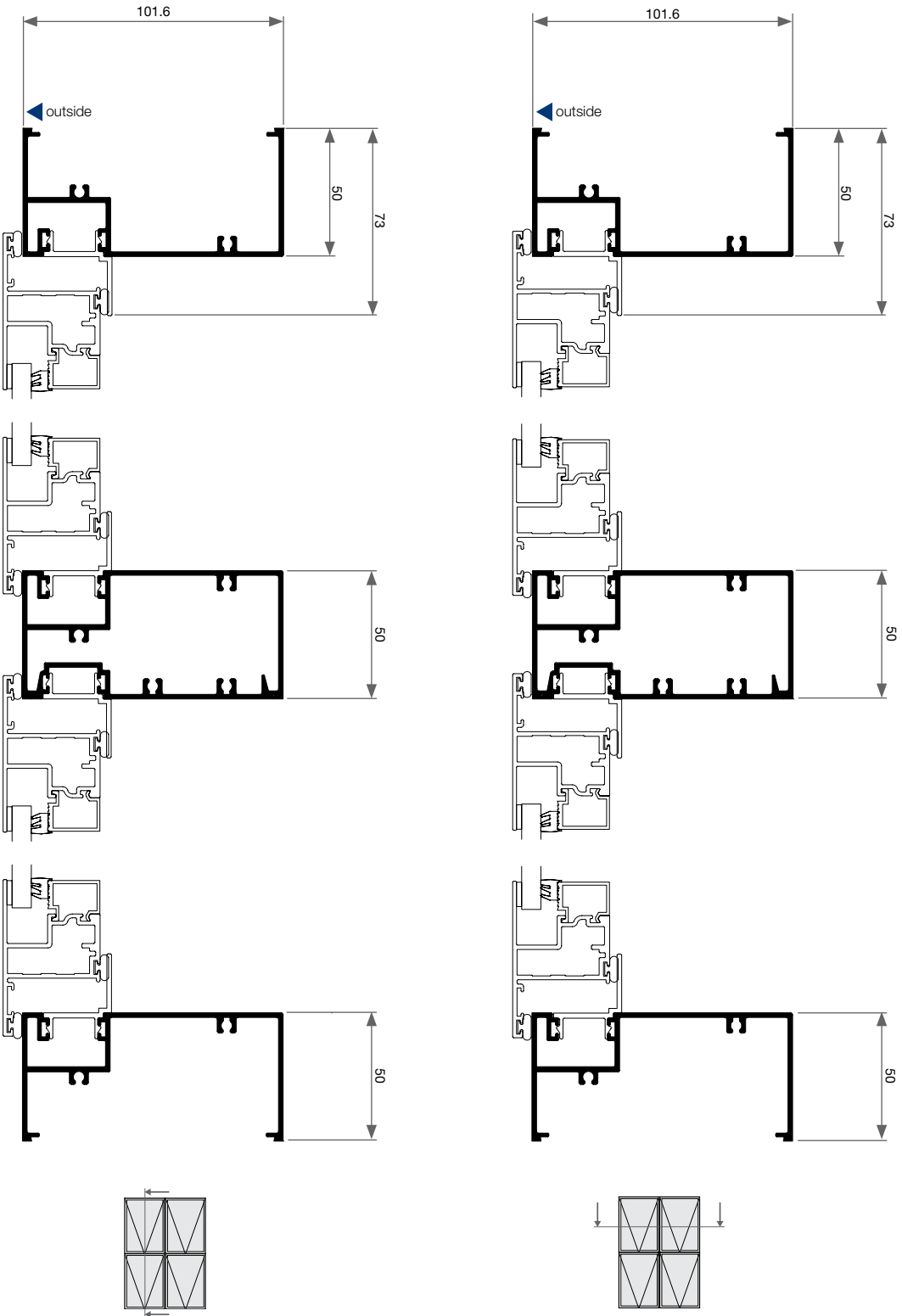
650 Overlap Awning Window - Cross Sectional View

Single Lite



650 Overlap Awning Window - Cross Sectional View

Two Lite with Lowlite





Crestlite® Viscount Sliding Doors

Features & Benefits

Viscount Sliding Doors - Features & Benefits

FRAME

- Robust 102mm semi commercial aluminium door frame.

PANEL

- Door panels - 50mm rounded profile on rails and stiles and can be resealed.
- Maximum door height is 3000mm.
- Maximum door panel is 1500mm
- Sash punched holes are fitted with infill caps.

SILL

- Sill threshold complies with disability standards.

GLAZING & ENERGY EFFICIENCY

- All Trend® Windows and Doors comply with AS1288.
- Glazing options from 4mm toughened glazed to 18mm insulated glazed units (IGUs) .
- Available in a range of glazing options.
- Energy efficiency options available to help reduce 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 .
-

PRODUCT OPTIONS

- Internal sliding
- External sliding
- Stacker doors (internal or external)
- Multi stacking doors
- Corner opening doors



Note: To obtain maximum rating detail contact your nearest Trend Architectural Consultant.

Viscount Sliding Doors - 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 AS2047.
- Pascal deflection rates up to 2200Pa.
- Viscount sliding doors glazed commercial suite contains a concealed drainage hole for high water ratings as well as additional front screw holes for stronger frame fixing for higher wind load areas.
- Sliding doors rated at an air infiltration of 1.33L/s m²

HARDWARE

- Doors are fitted with heavy duty double bogey rollers.
- Doors have dual beak locks.
- Infinity** “D” black hardware is supplied as standard.
- Optional colours available
 - Pearl White
 - Stone Beige
 - Anodic Natural Matt
 - Satin Chrome
- Door locks can be keyed alike to other Trend®

INSTALLATION

- Installation must be carried out by an authorised Trend Windows & Doors installer.

FINISHES

- Wide range of powdercoat finishes are available (including warranty powders and anodised options).





Crestlite® Viscount Sliding Doors Installation

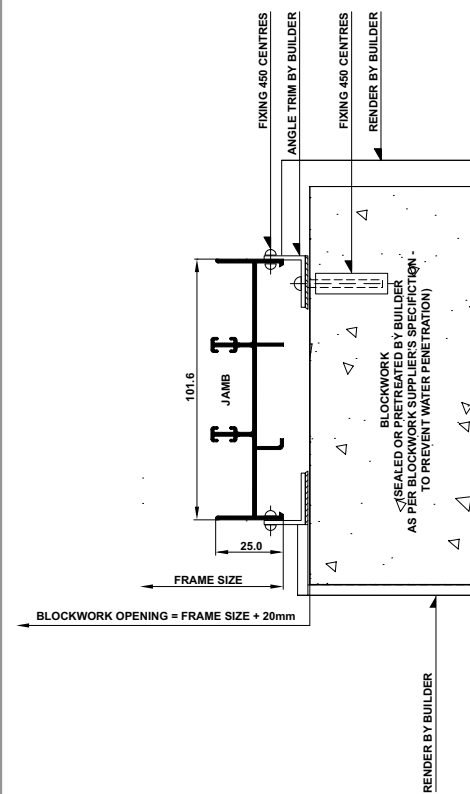
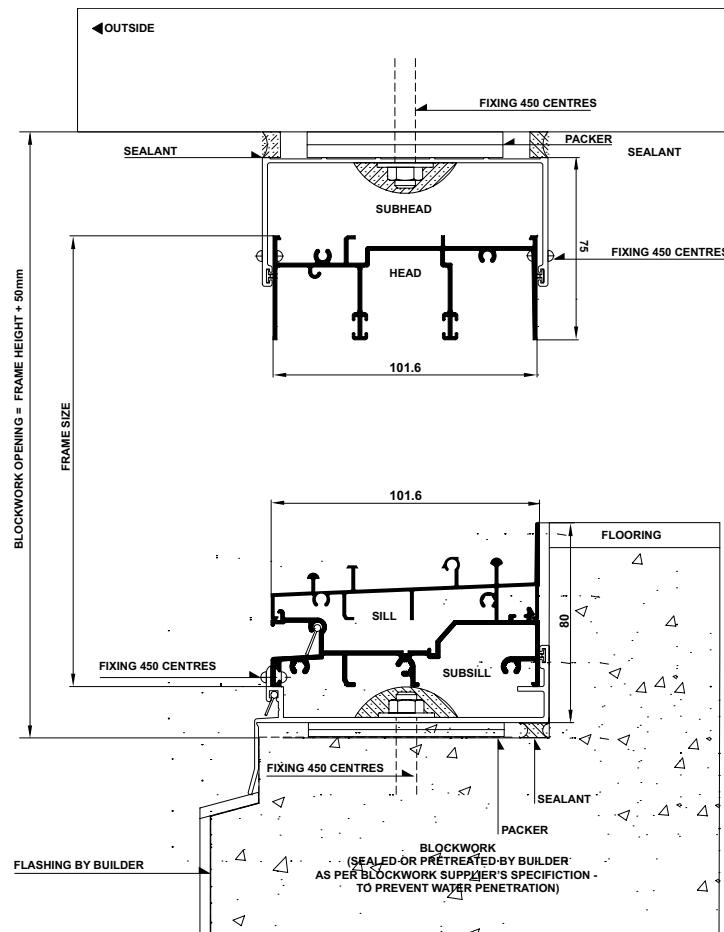
Viscount Sliding Doors - Installation

Building In Detail | **Blockwork with Sump Sill**



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 + 50mm
Width = Frame Size + 20mm
- Header beam should be at least 12mm clear of window frame.
 - Fit subframe to opening and seal fixings.
 - Fit door 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.



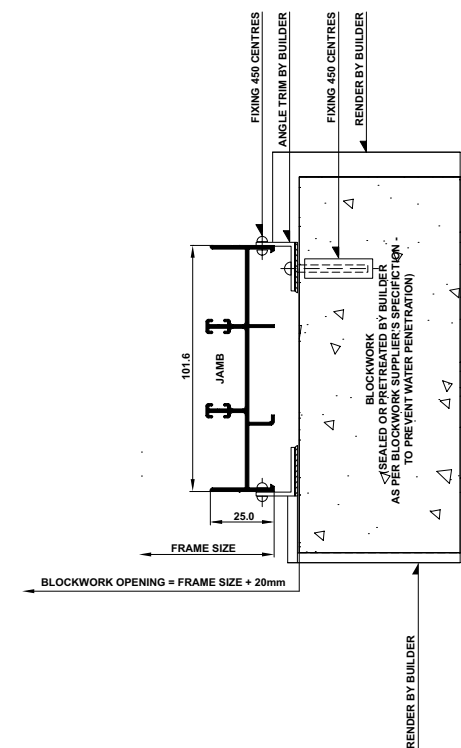
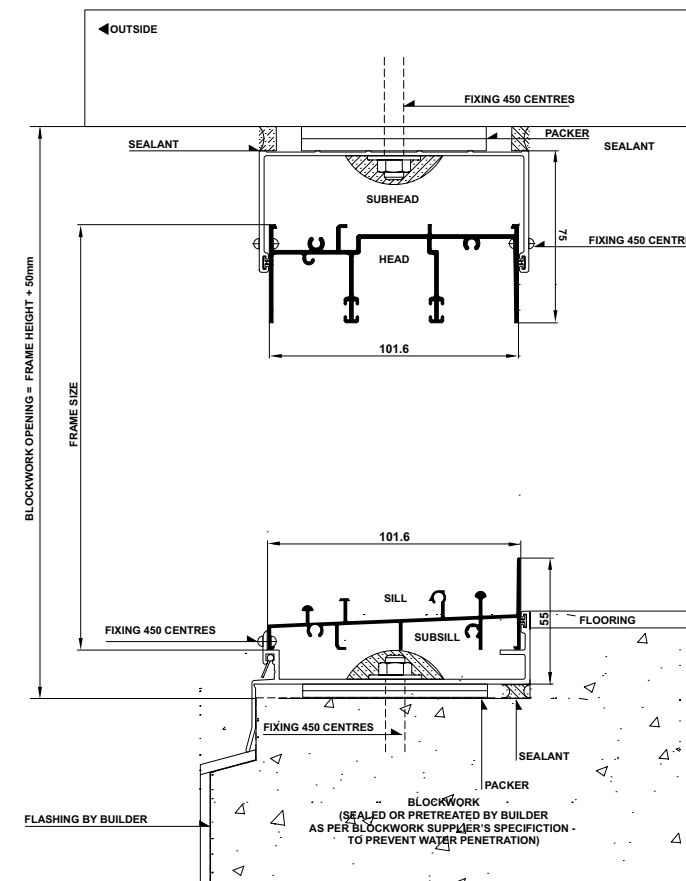
Viscount Sliding Doors - Installation

Building In Detail | **Blockwork with Sub Sill**



INSTALLING FRAME CORRECTLY

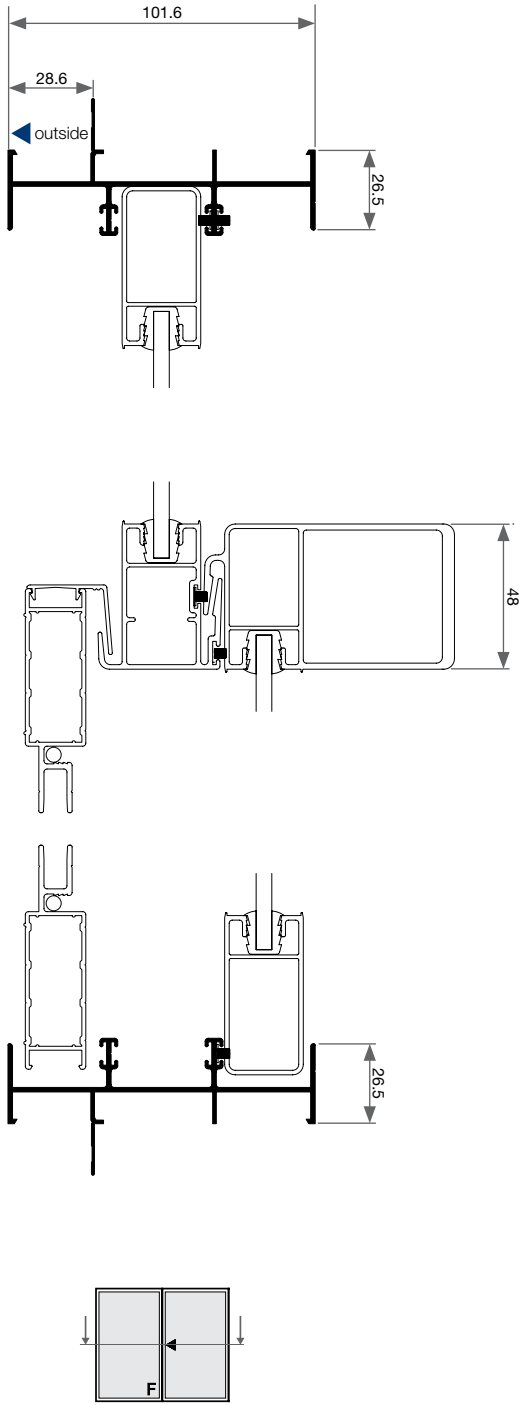
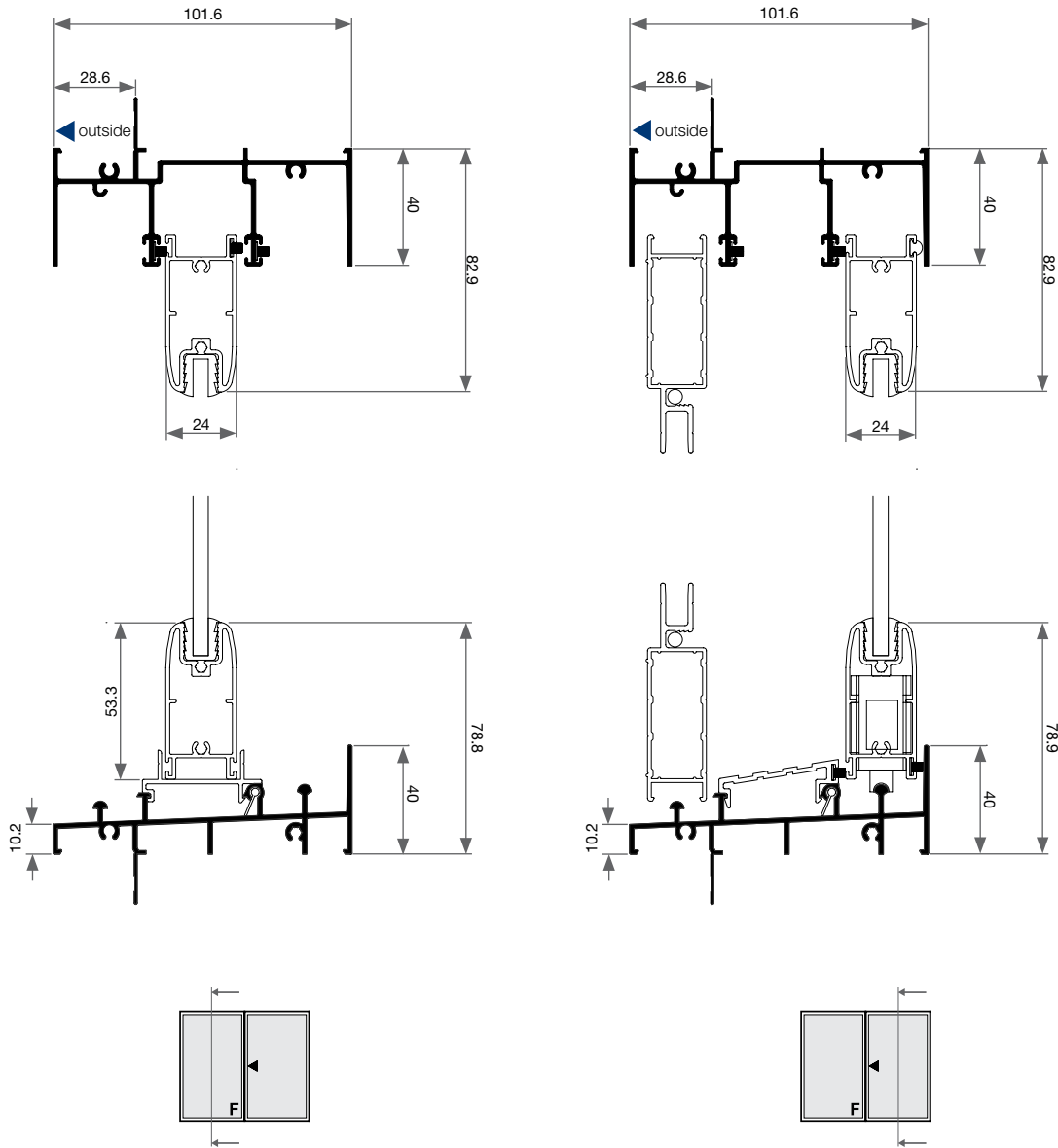
- Measure the frame opening to ensure that there is sufficient room for the product and additional packing.
- Blockwork Opening:**
Height = Frame Height + 50mm
Width = Frame Size + 20mm
- Header beam should be at least 12mm clear of window frame.
 - Fit subframe to opening and seal fixings.
 - Fit door 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.





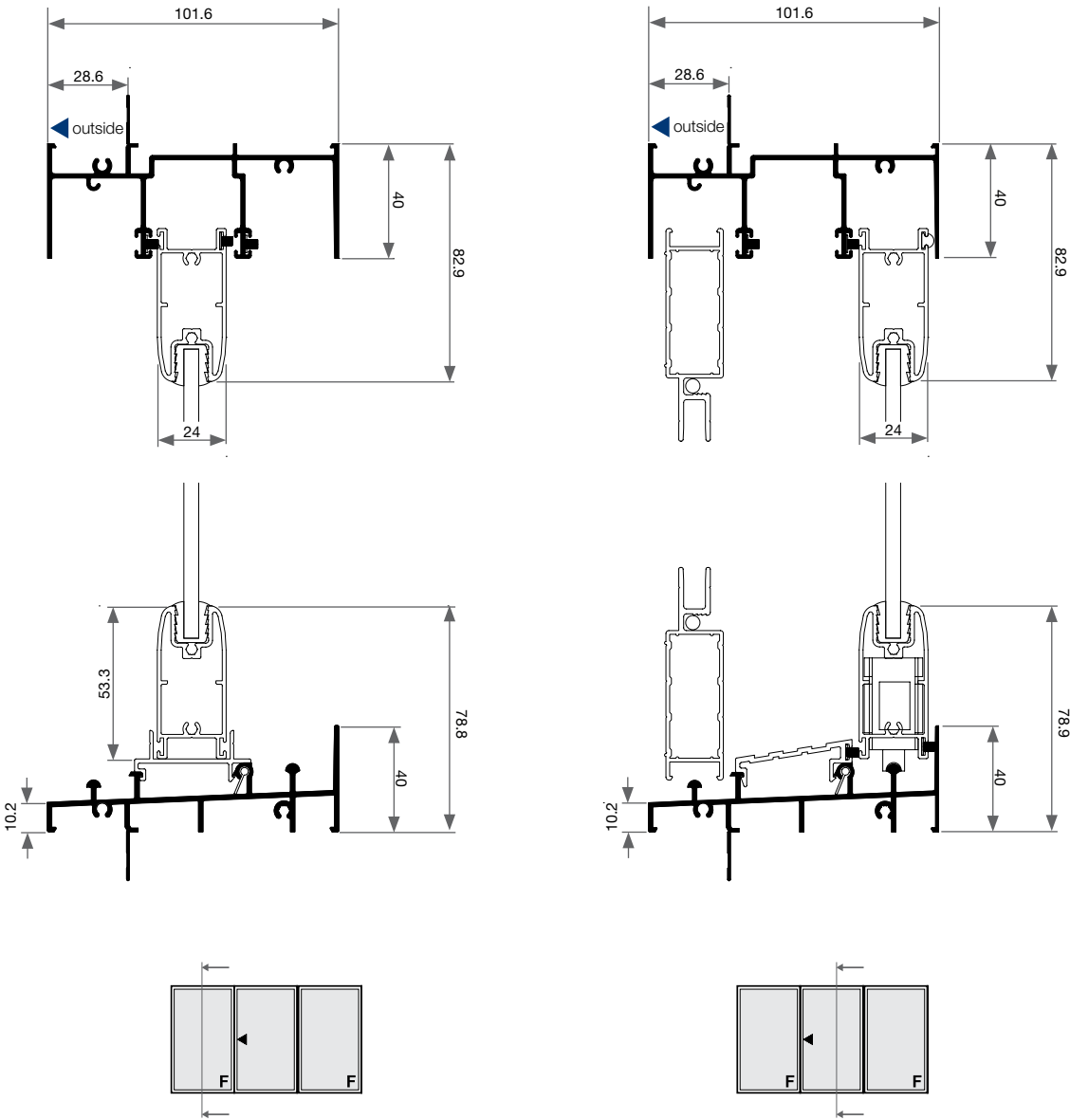
Crestlite® Viscount Sliding Doors

Cross Sectional Views



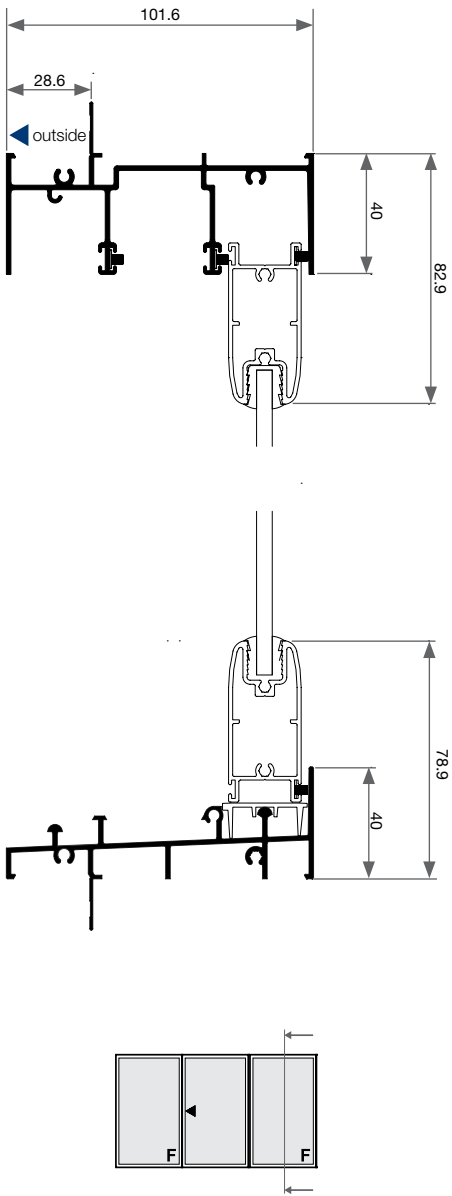
Viscount Sliding Doors - Cross Sectional Views

Three Lite | FXF



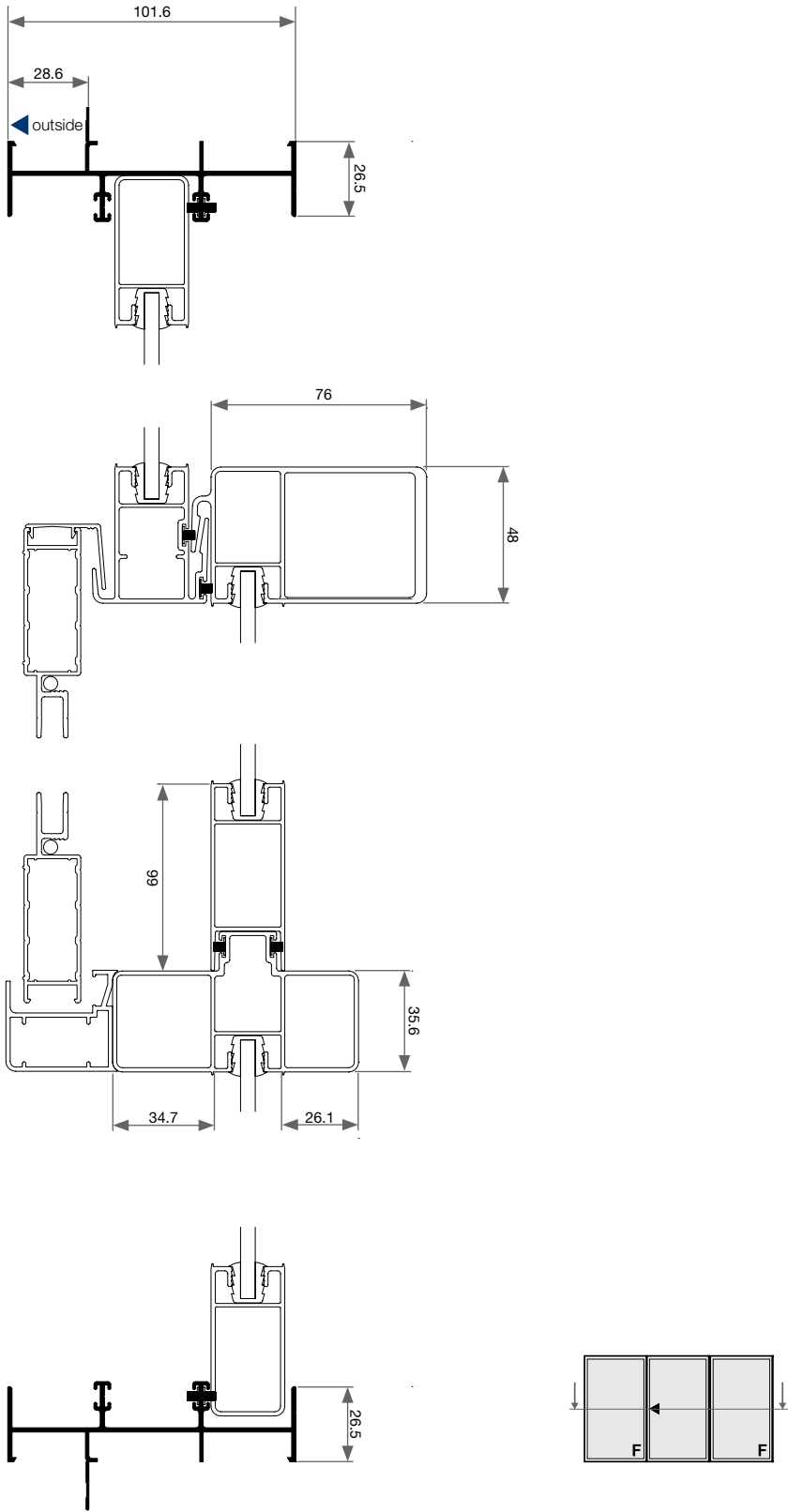
Viscount Sliding Doors - Cross Sectional Views

Three Lite | FXF



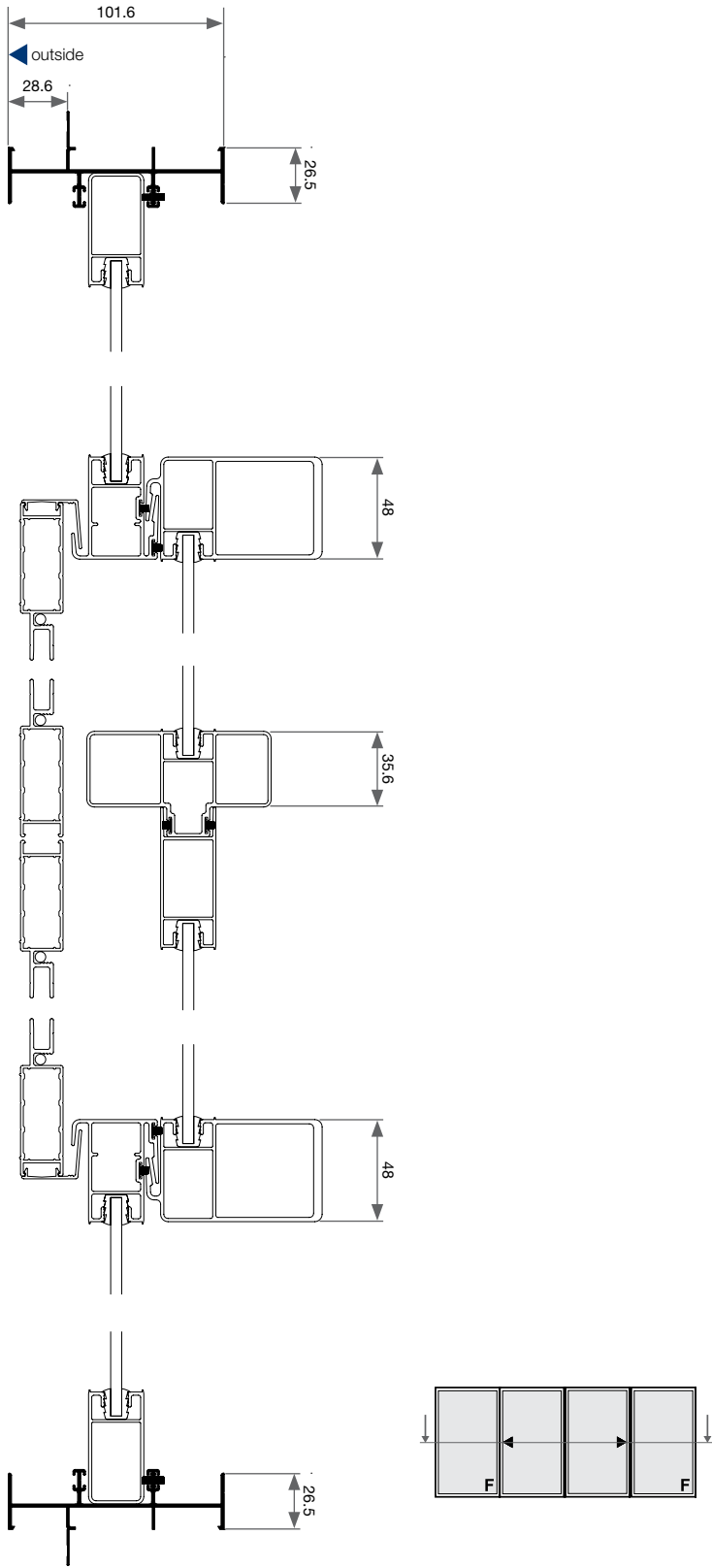
Viscount Sliding Doors - Cross Sectional Views

Three Lite | FXF



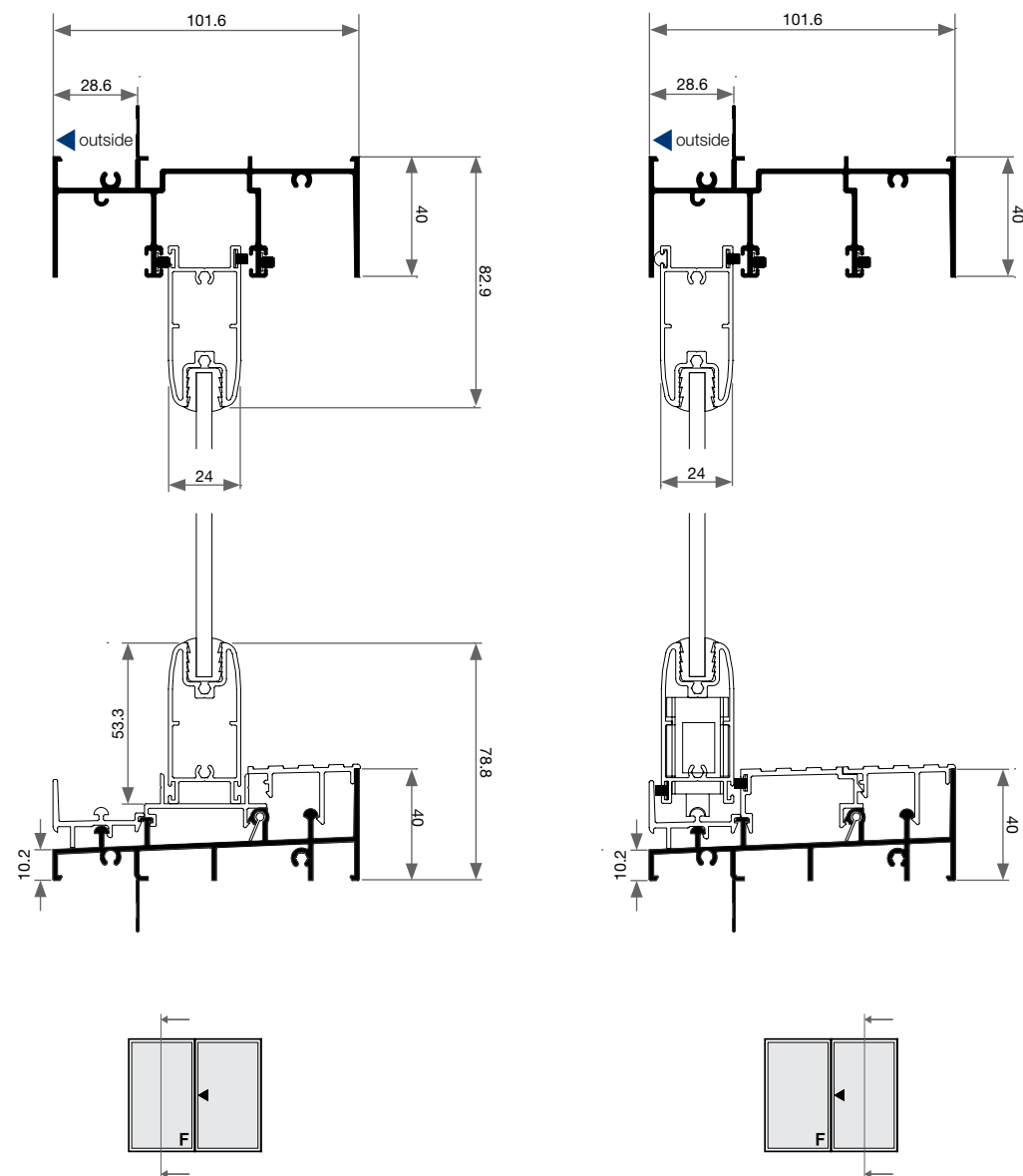
Viscount Sliding Doors - Cross Sectional Views

Four Lite | FXXF



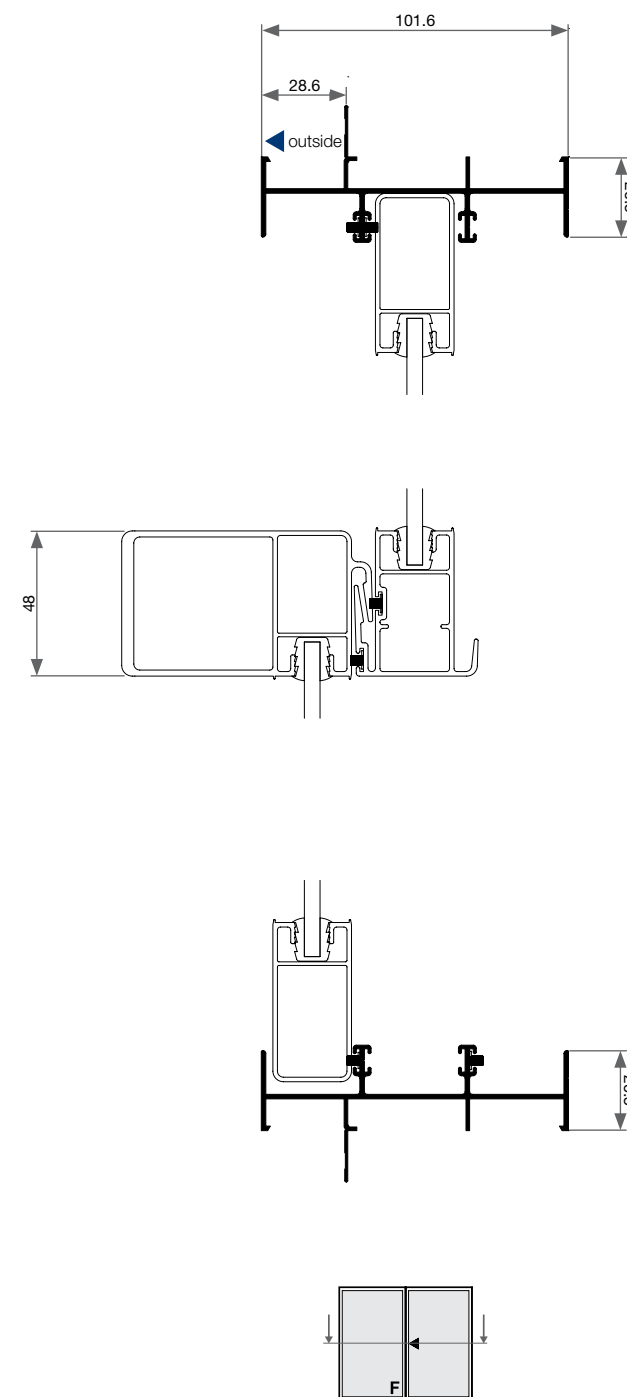
Viscount Sliding Doors - Cross Sectional Views

External Two Lite| FX



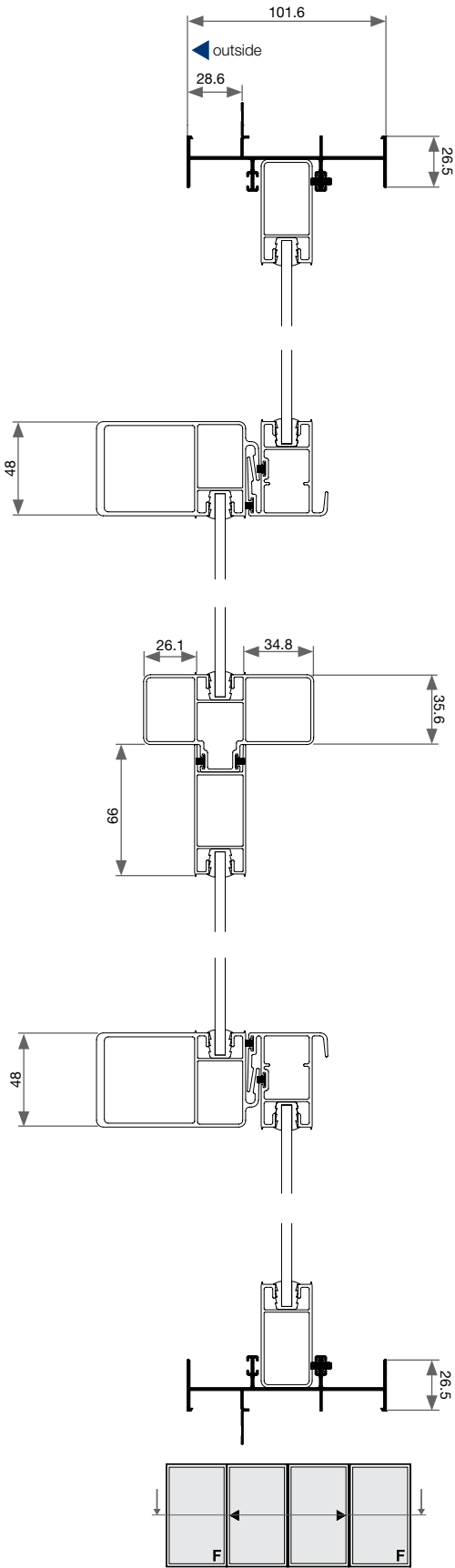
Viscount Sliding Doors - Cross Sectional Views

External Two Lite| FX



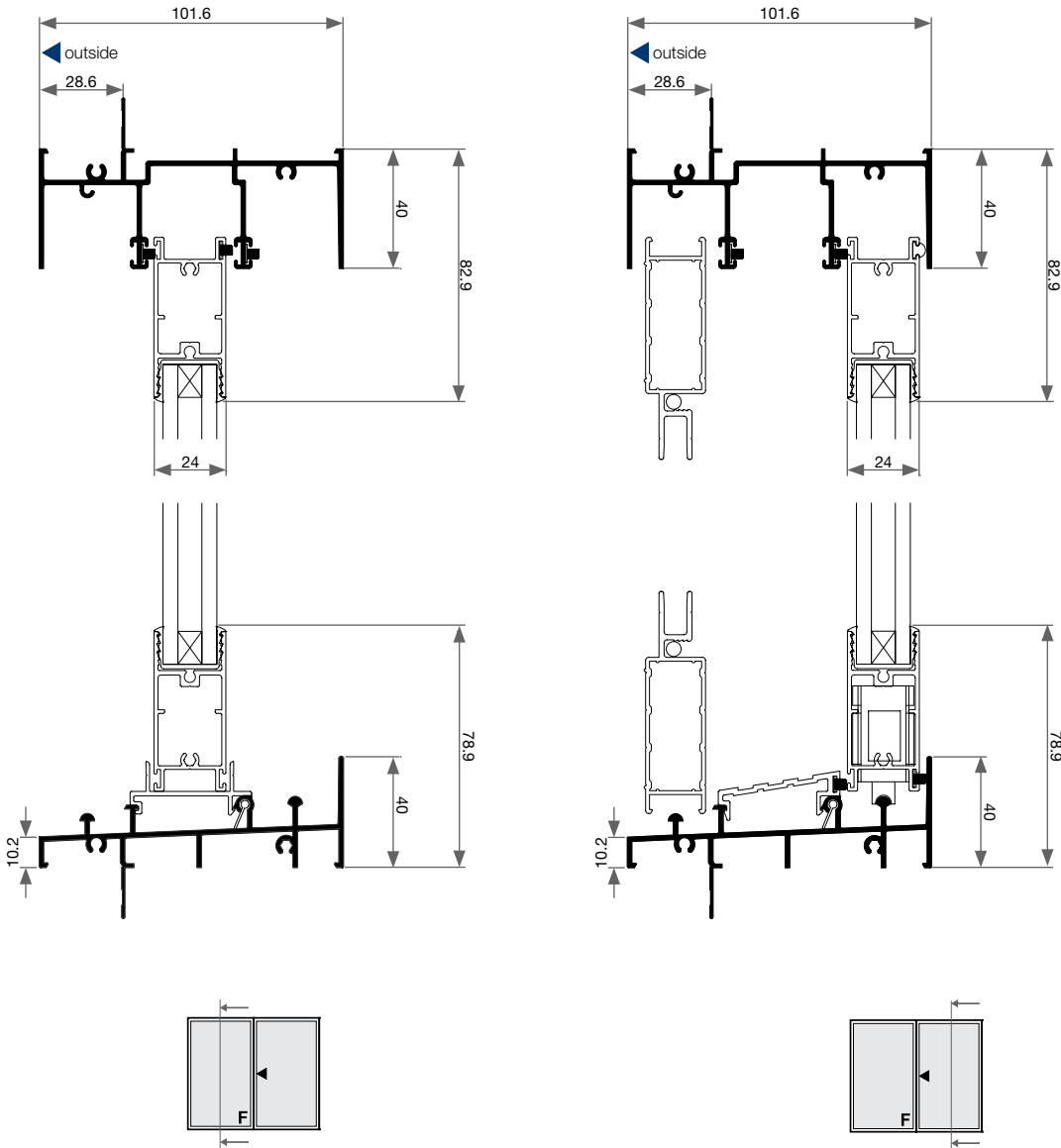
Viscount Sliding Doors - Cross Sectional Views

External Four Lite | FXXF



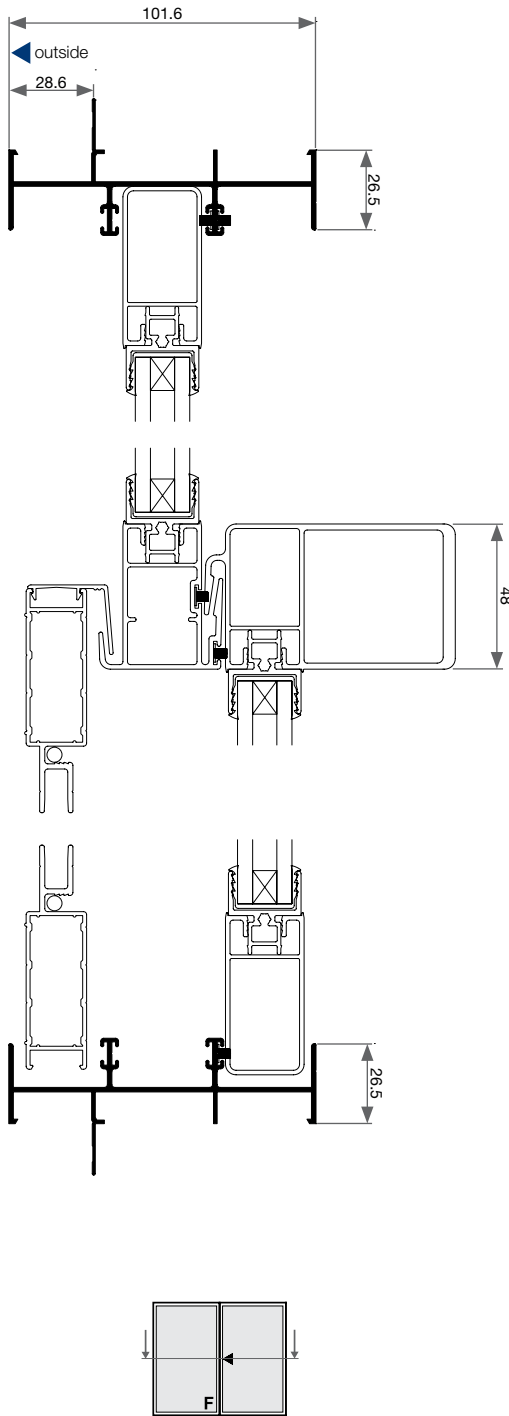
Viscount Sliding Doors - Cross Sectional Views

Two Lite | FX | Double Glazed



Viscount Sliding Doors - Cross Sectional Views

Two Lite | FX | Double Glazed



Crestlite® Viscount Sliding Stacker Doors

Features & Benefits

Viscount Sliding Stacking Doors - Features & Benefits

FRAME

- Robust 102mm semi commercial aluminium door frame.

PANEL

- Door panels - 50mm rounded profile on rails and stiles and can be revealed.
- Maximum door height is 3000mm.
- Maximum door panel is 1500mm (Note: this depends on terrain category)
- Sash punched holes are fitted with infill caps.

SILL

- Sill threshold complies with disability standards.

GLAZING & ENERGY EFFICIENCY

- All Trend® Windows and Doors comply with AS2047.
- Glazing options from 4mm toughened glazed to 18mm insulated glazed units (IGUs) .
- Available in a range of glazing option.
- Energy efficiency options available to help reduce 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 .

PRODUCT OPTIONS

- Internal sliding
- External sliding
- Stacker doors (internal or external)
- Multi stacking doors
- Corner opening doors

Note: To obtain maximum rating detail contact your nearest Trend Architectural Consultant.



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 AS2047.
- Pascal deflection rates up to 2200Pa.
- Sliding Stacker door commercial suite contains a concealed drainage hole for high water ratings as well as additional front screw holes for stronger frame fixing for higher wind load areas.
- Sliding Stacker doors rated at an air infiltration of 1.33L/s m².

HARDWARE

- Doors are fitted with heavy duty double bogey rollers.
- Doors have dual beak locks.
- Infinity** “D” black hardware is supplied as standard.
- Optional colours available
 - Pearl White
 - Stone Beige
 - Anodic Natural Matt
 - Satin Chrome
- Door locks can be keyed alike to other Trend®

INSTALLATION

- Installation must be carried out by an authorised Trend Windows & Doors installer.

FINISHES

- Wide range of powdercoat finishes are available (including warranty powders and anodised options).



Crestlite® Viscount Sliding Stacker Doors **Installation**

Viscount Sliding Stacking Doors - Installation

Building In Detail | **Blockwork no Rebate**

INSTALLING FRAME CORRECTLY

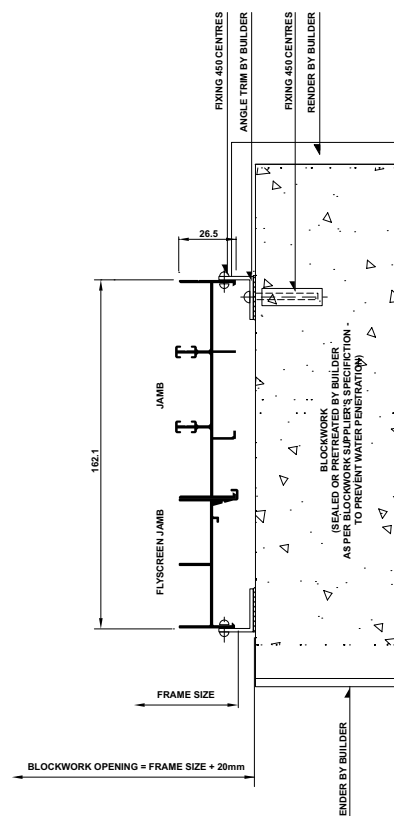
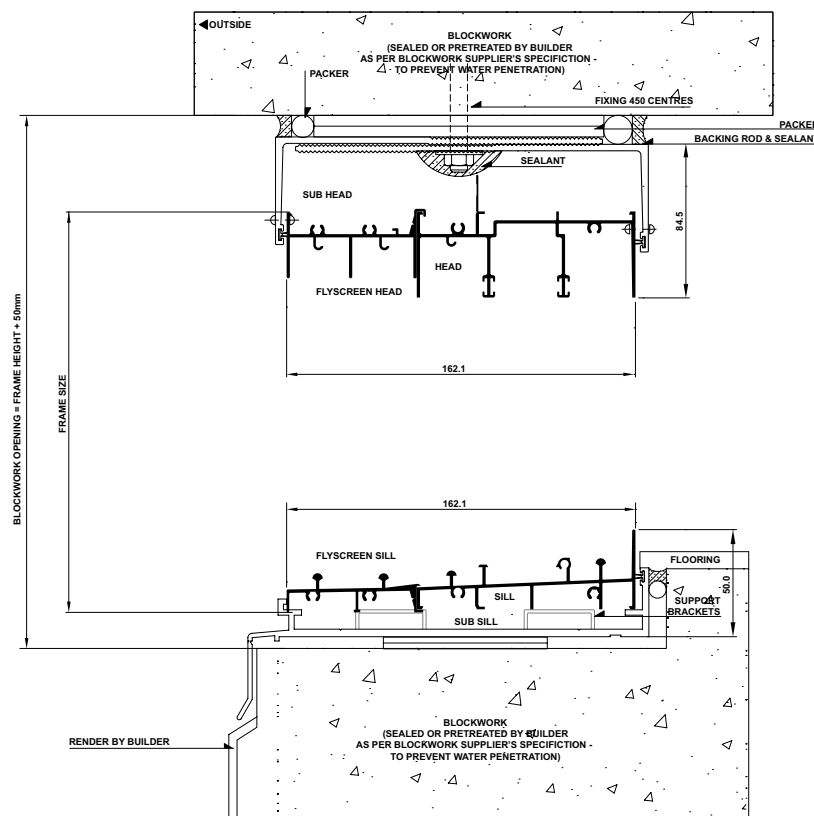
- Measure the frame opening to ensure that there is sufficient room for the product and additional packing.

Blockwork Opening:

Height = Frame Height + 50mm

Width = Frame Size + 20mm

- Header beam should be at least 12mm clear of window frame.
- Fit subframe to opening and seal fixings.
- Fit door 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.



INSTALLING FRAME CORRECTLY

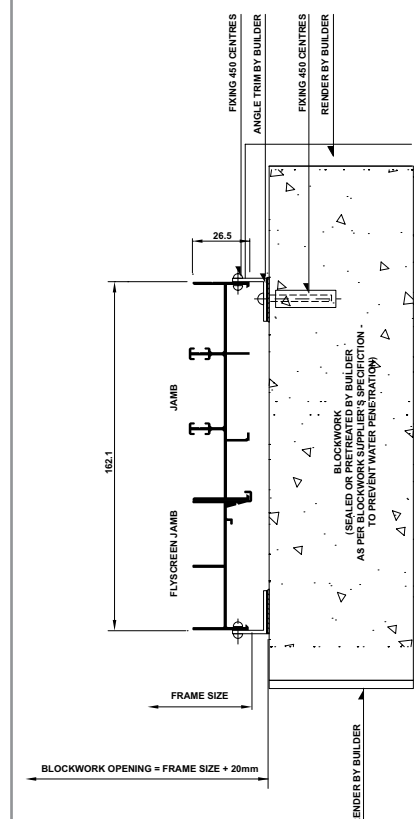
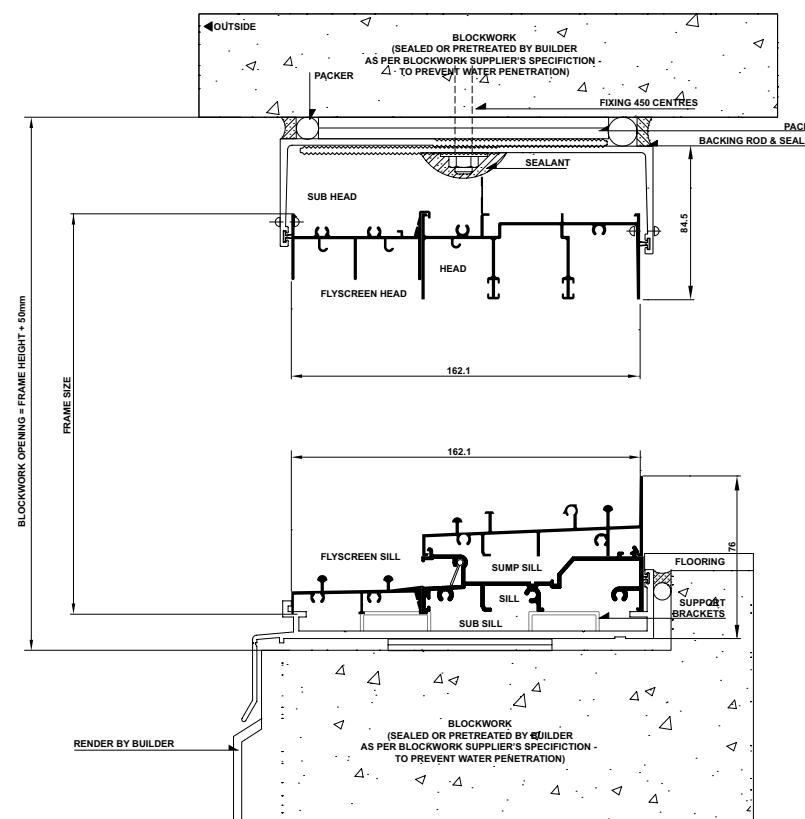
- Measure the frame opening to ensure that there is sufficient room for the product and additional packing.

Blockwork Opening:

Height = Frame Height + 50mm

Width = Frame Size + 20mm

- Header beam should be at least 12mm clear of window frame.
- Fit subframe to opening and seal fixings.
- Fit door 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.



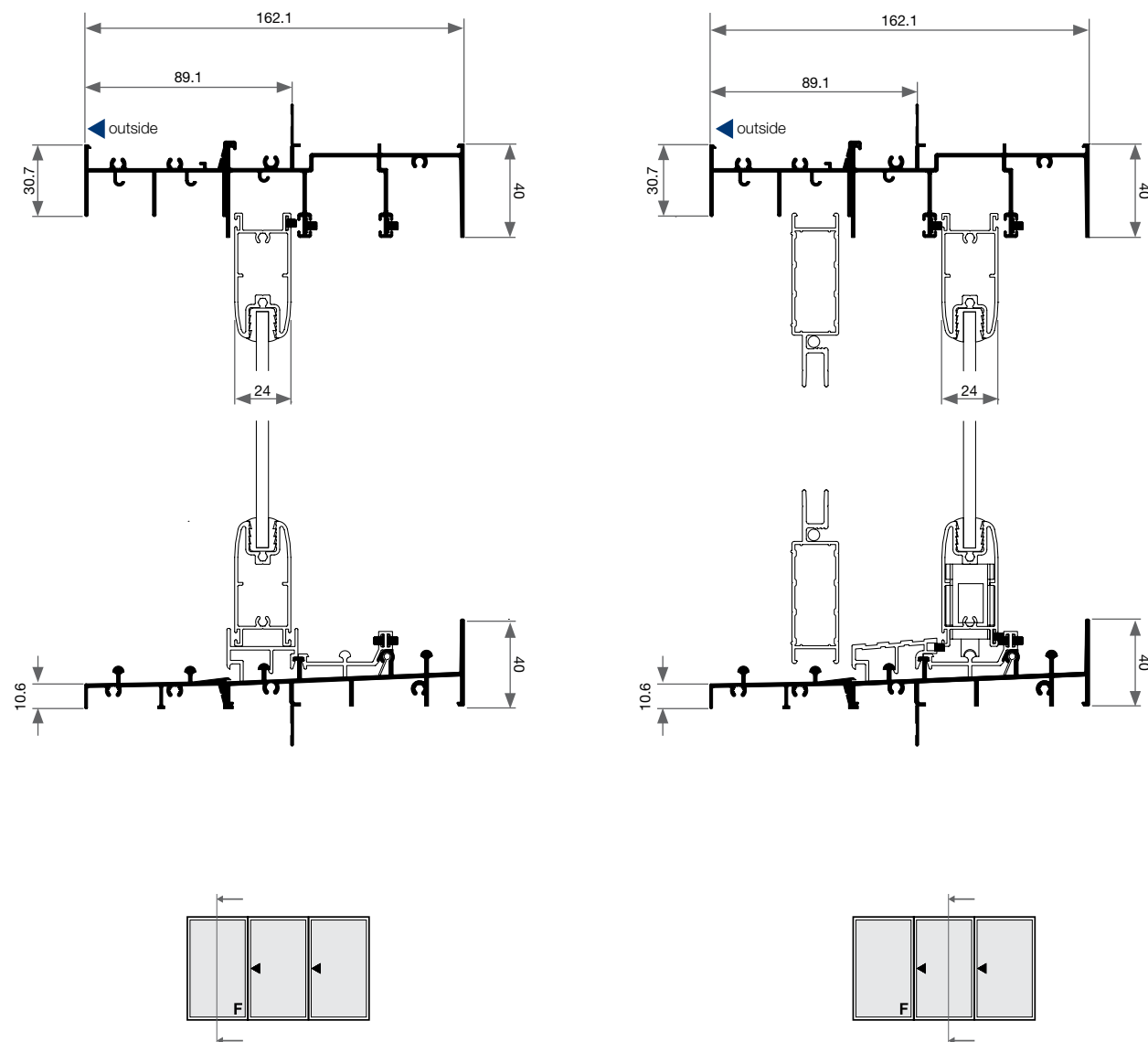


Crestlite® Viscount Sliding Stacker Doors

Cross Sectional Views

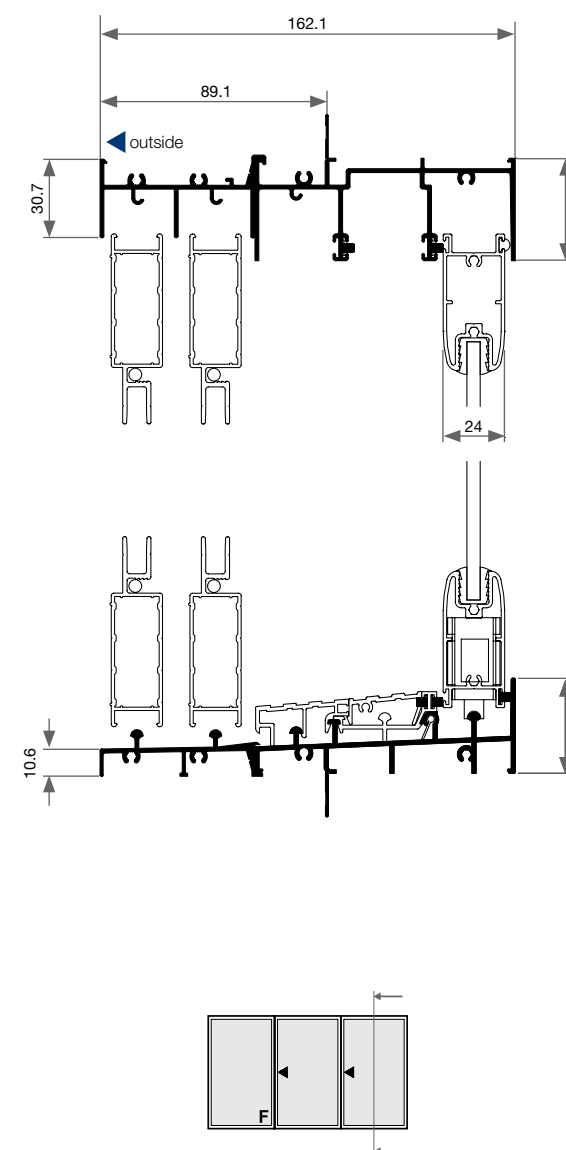
Viscount Sliding Stackers Doors - Cross Sectional Views

Three Lite | FXX



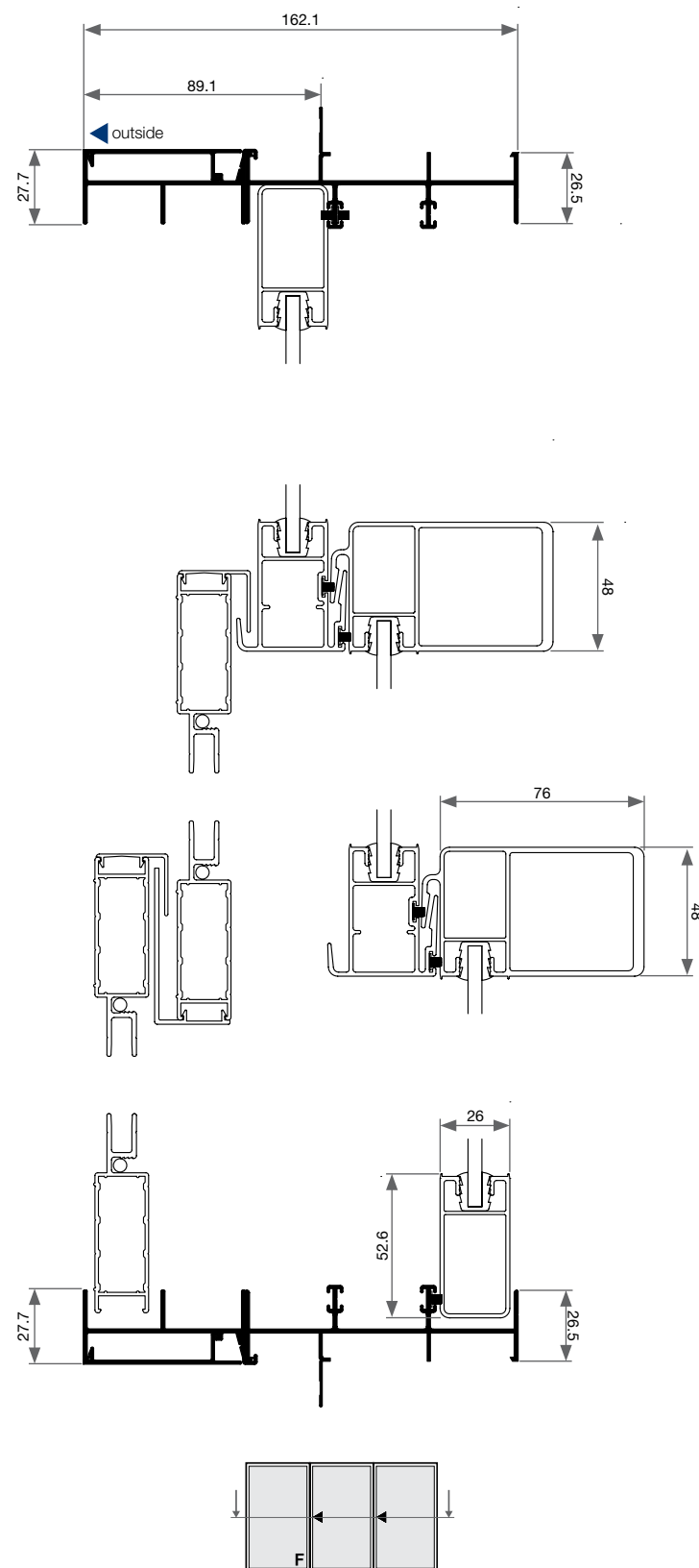
Viscount Sliding Stackers Doors - Cross Sectional Views

Three Lite | FXX



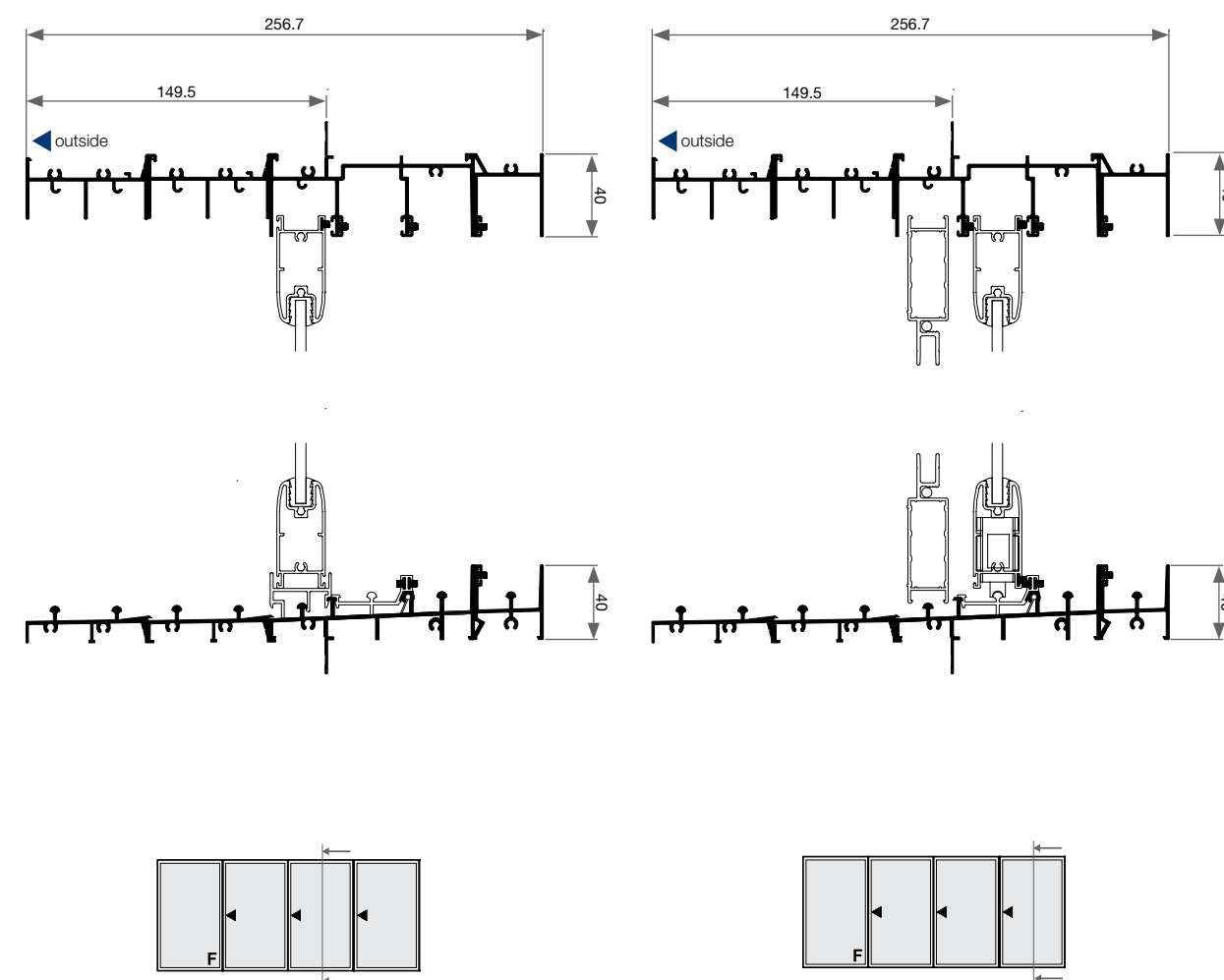
Viscount Sliding Stacker Doors - Cross Sectional Views

Three Lite | FXX



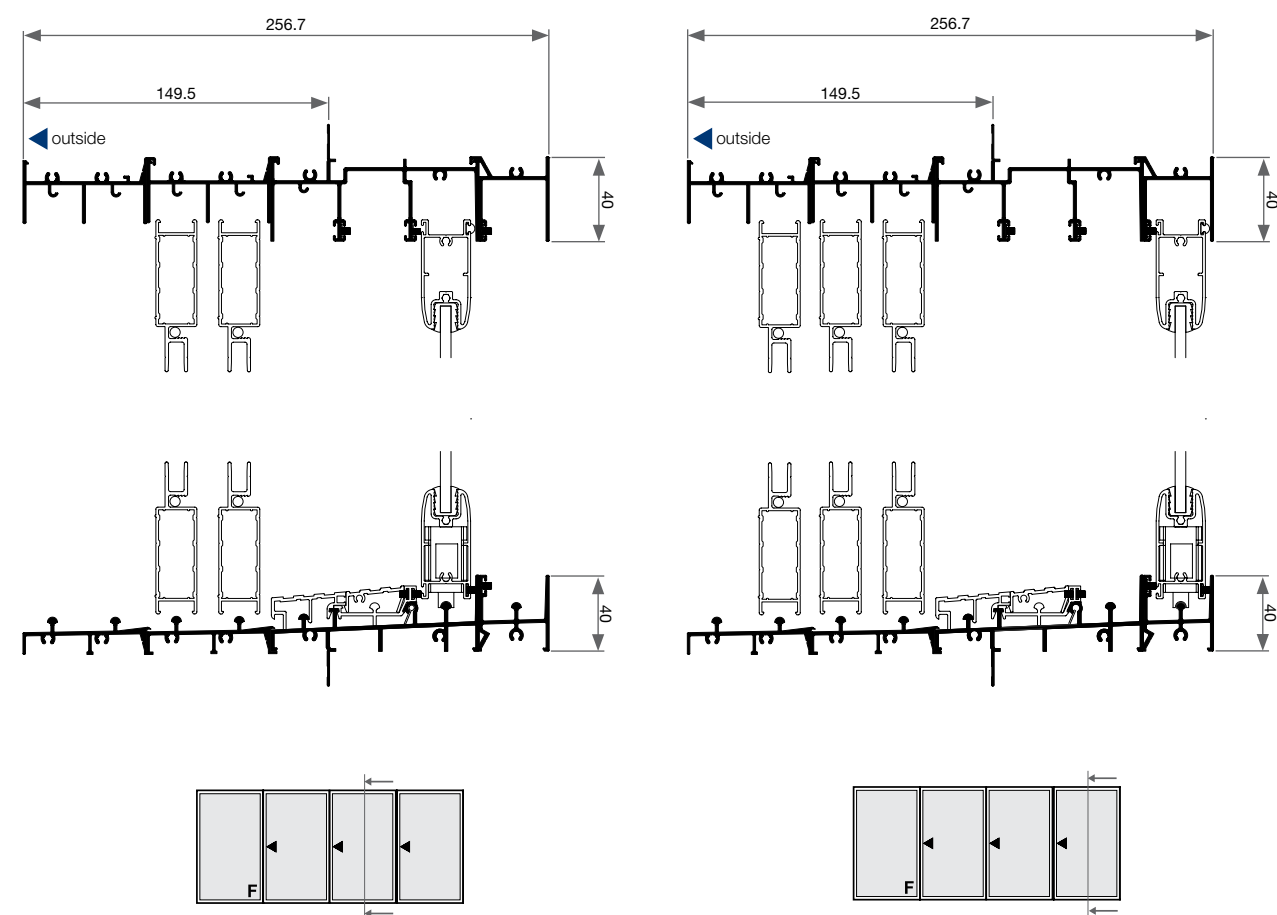
Viscount Sliding Stacker Doors - Cross Sectional Views

Four Lite | FXXX



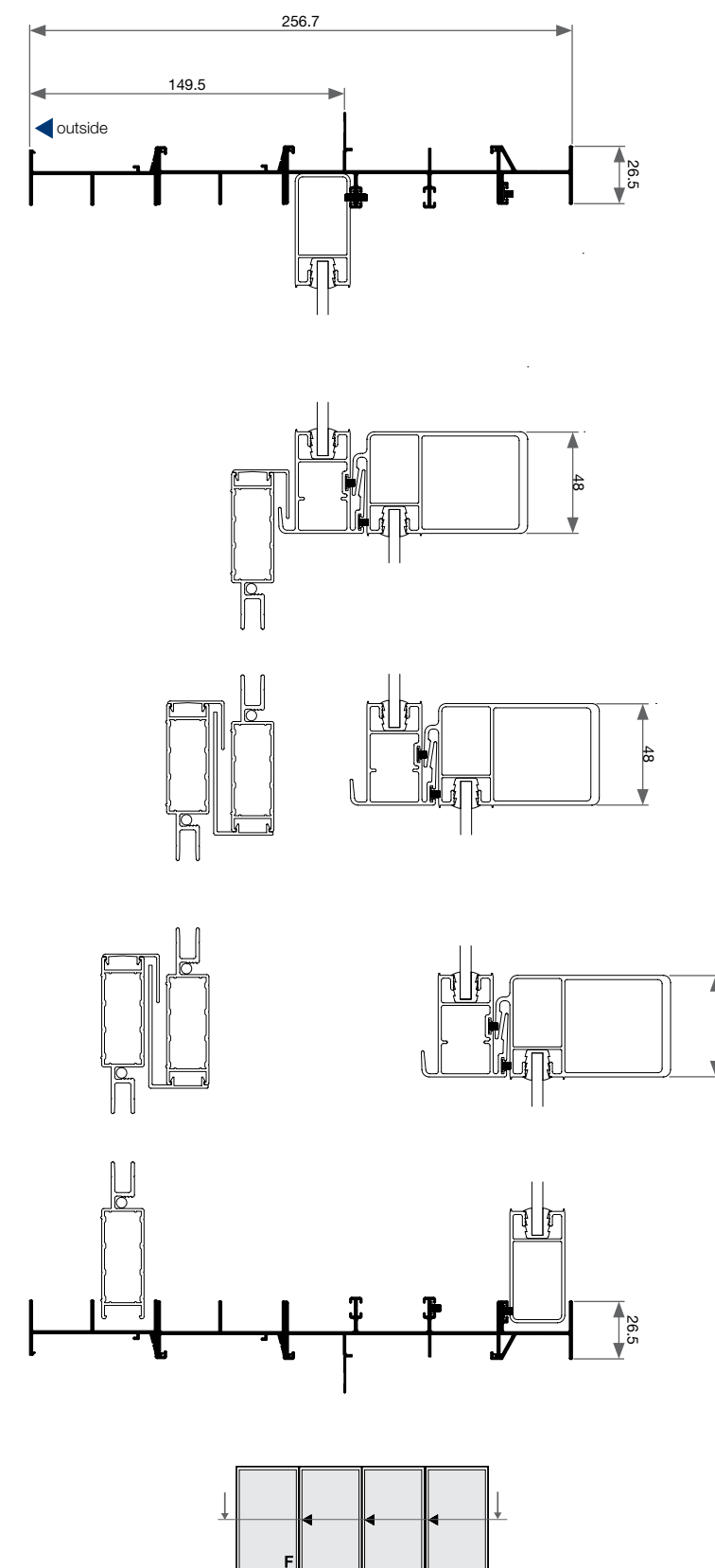
Viscount Sliding Stacker Doors - Cross Sectional Views

Four Lite | FXXX



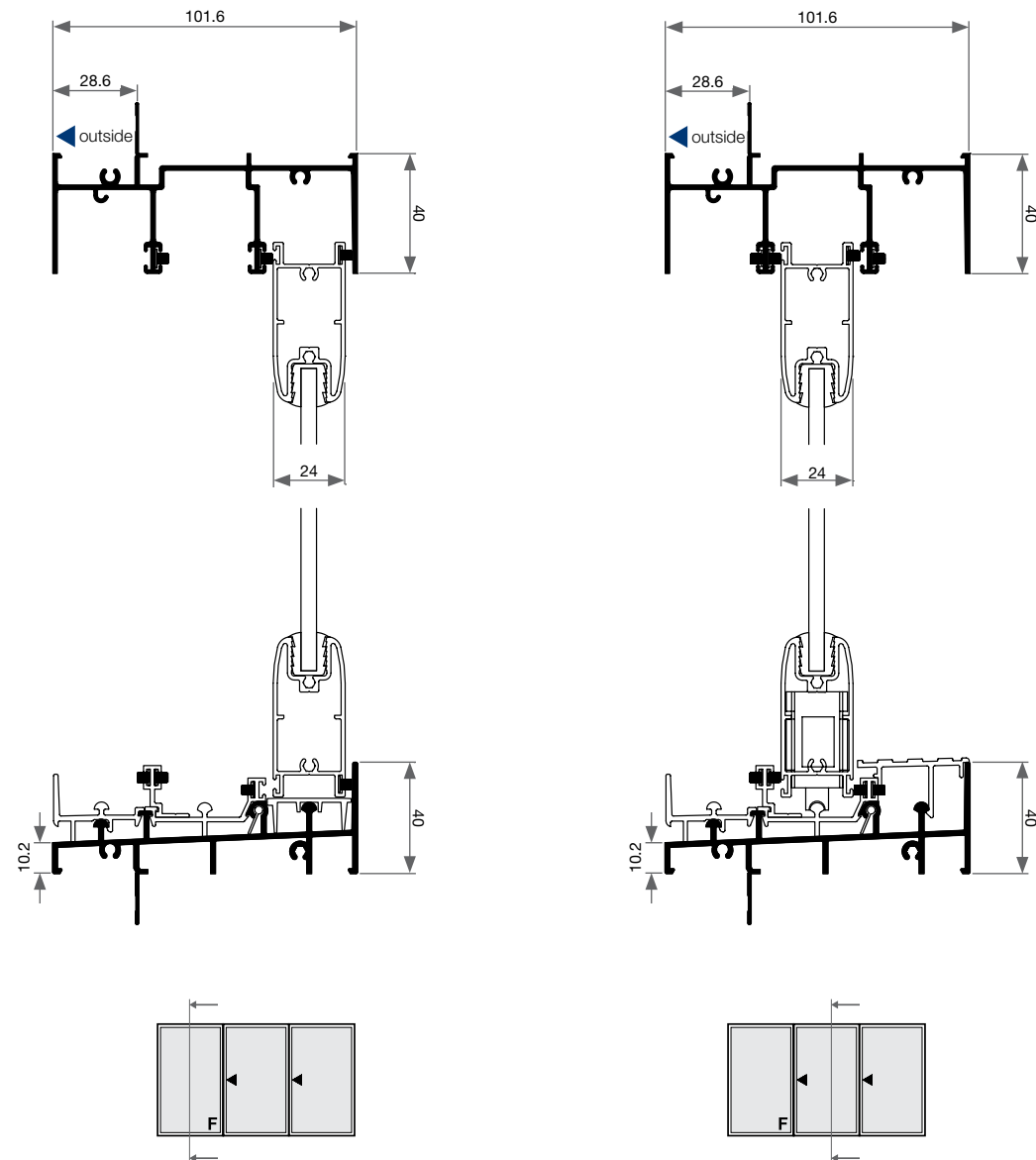
Viscount Sliding Stacker Doors - Cross Sectional Views

Four Lite | FXXX



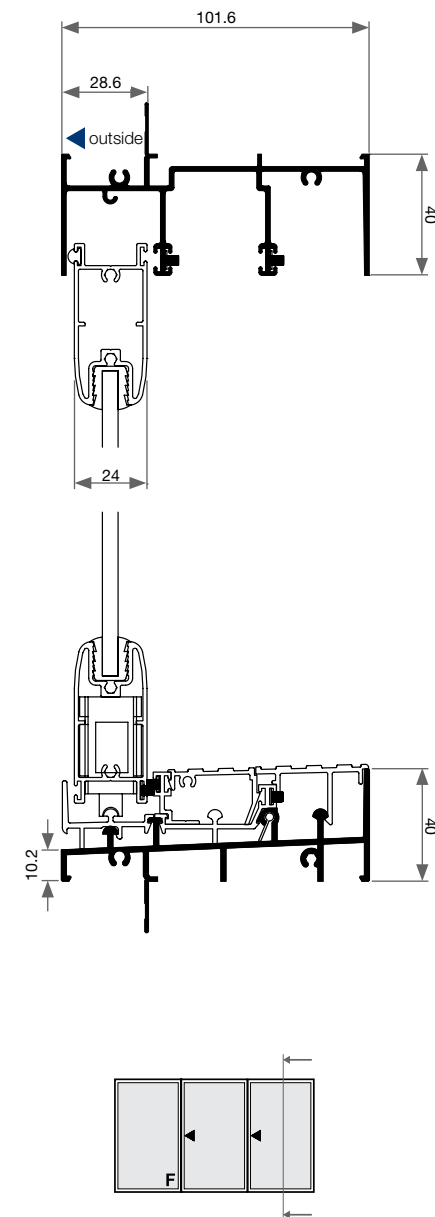
Viscount Sliding Stackers Doors - Cross Sectional Views

External 3 Lite | FXX



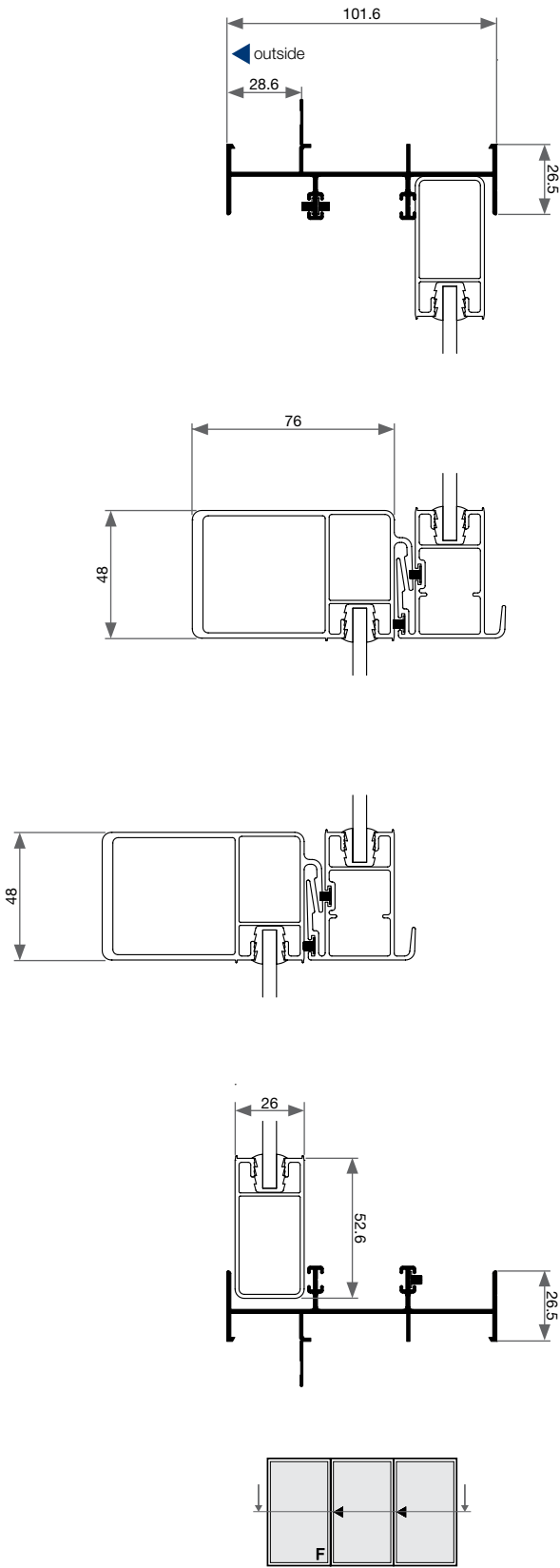
Viscount Sliding Stackers Doors - Cross Sectional Views

External Three Lite | FXX



Viscount Sliding Stacker Doors - Cross Sectional Views

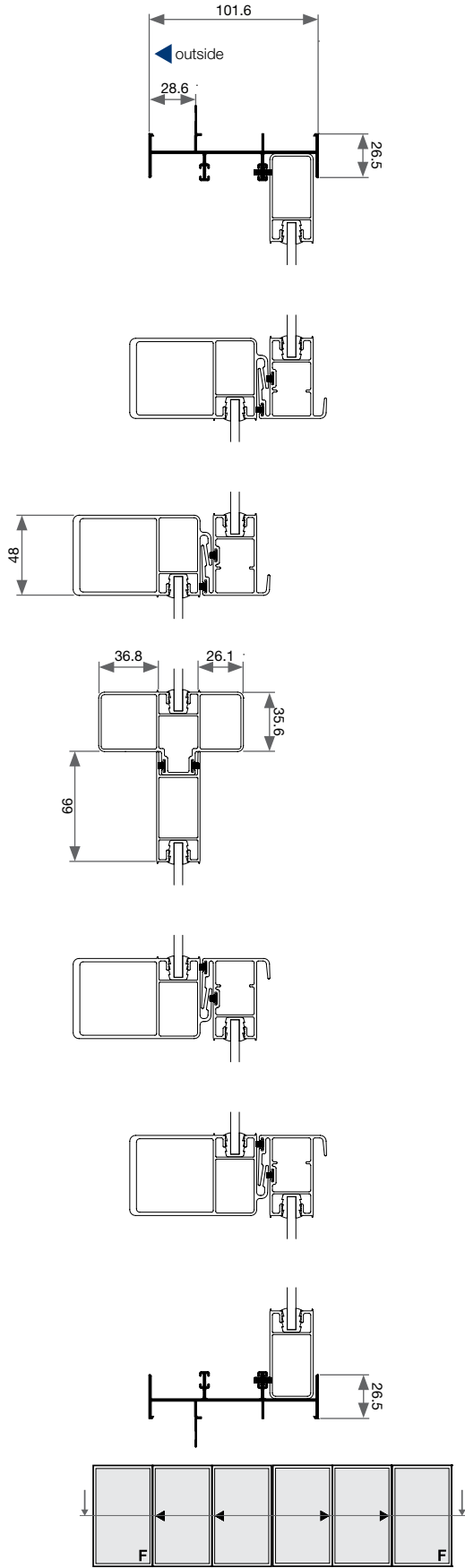
External Three Lite | FXX



Please note that drawings displayed are not to scale

Viscount Sliding Stacker Doors - Cross Sectional Views

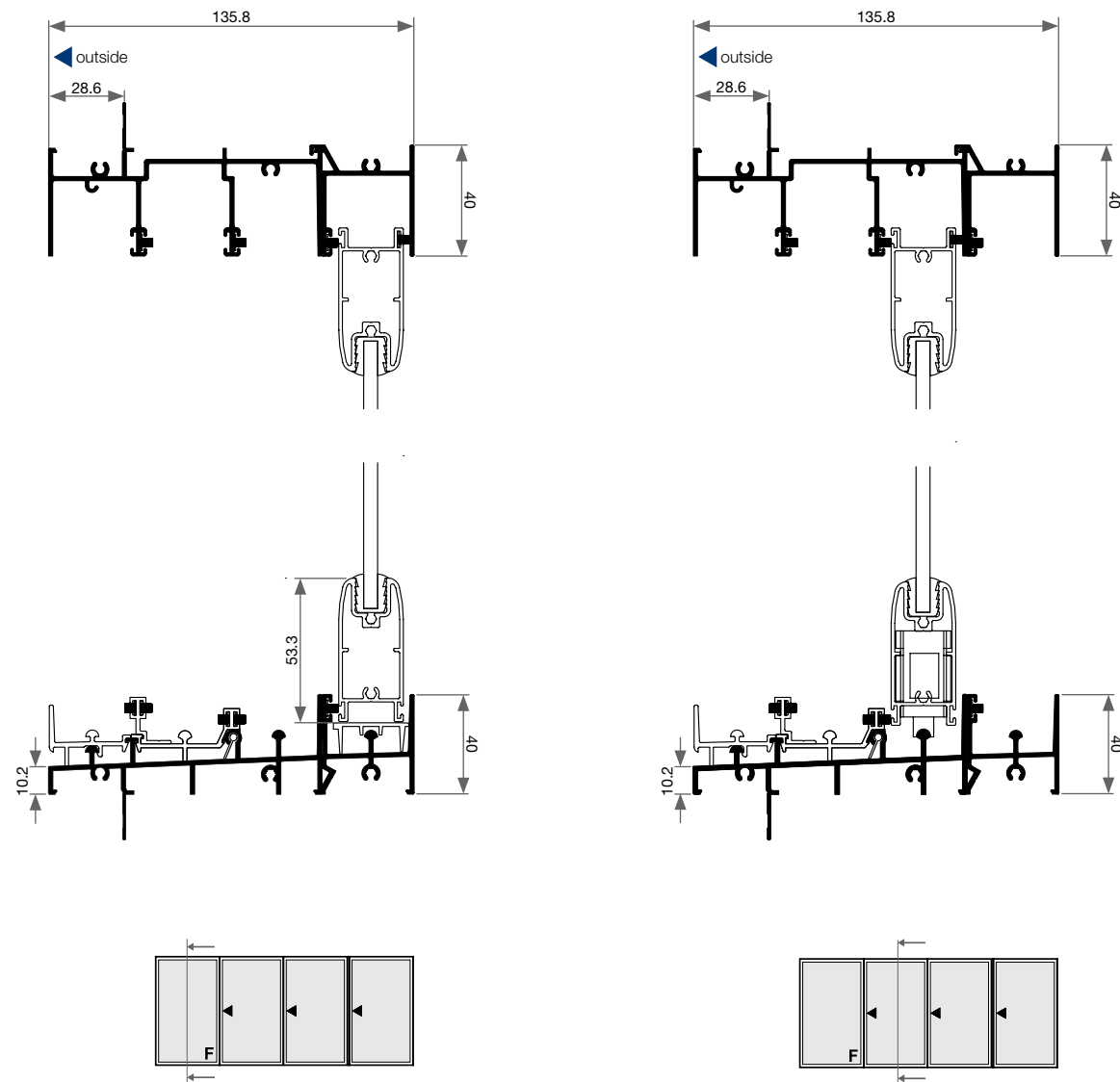
External Six Lite | FXXXXF



Please note that drawings displayed are not to scale

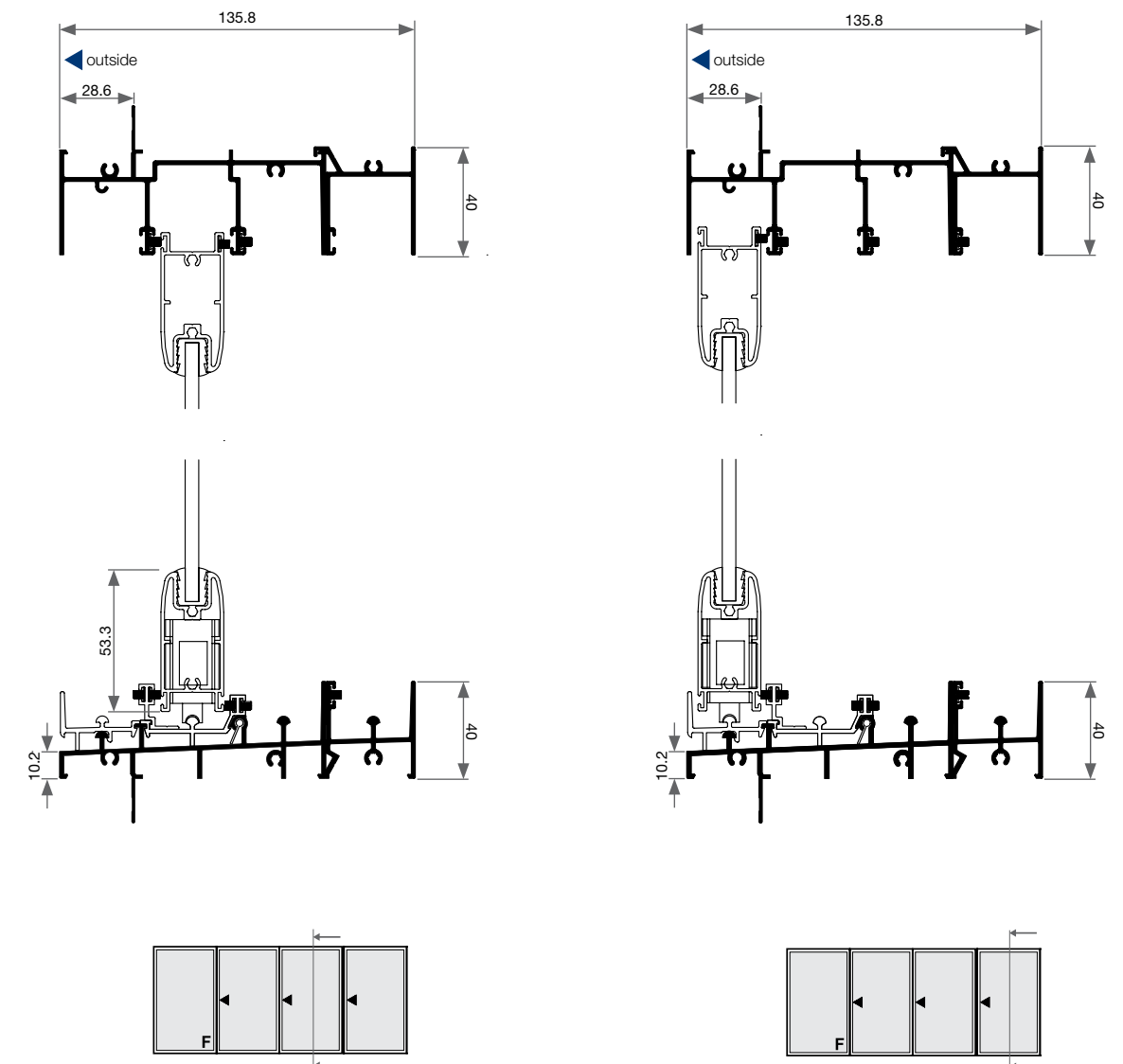
Viscount Sliding Stackers Doors - Cross Sectional Views

External Four Lite | FXXX



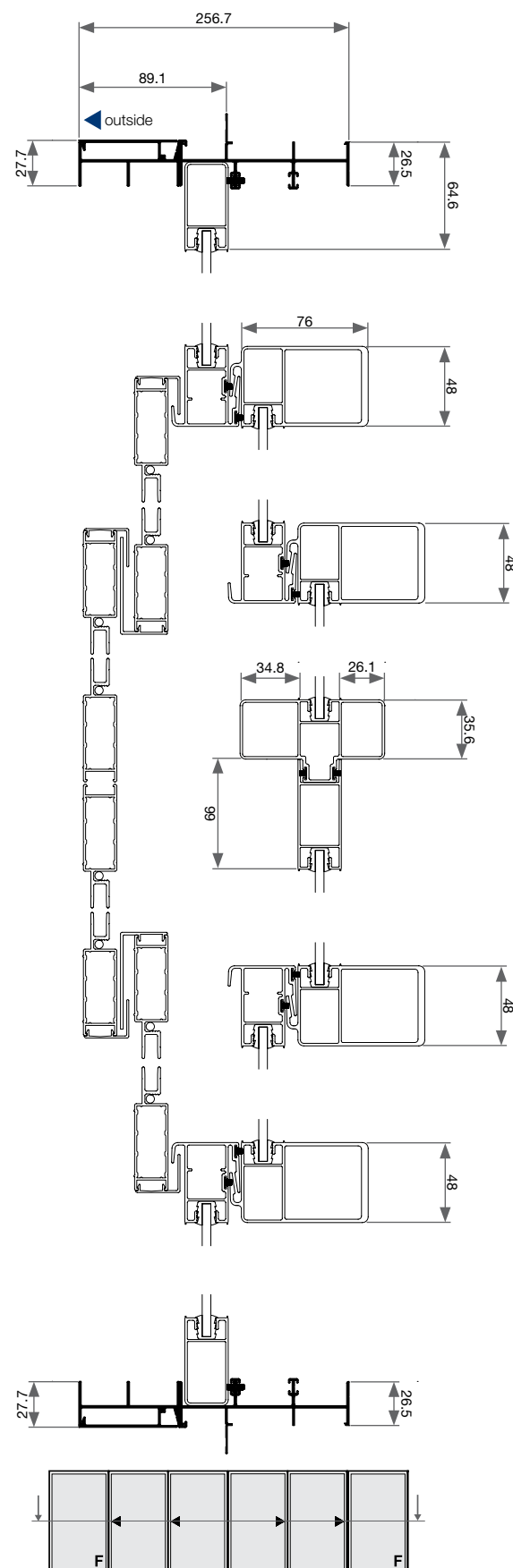
Viscount Sliding Stackers Doors - Cross Sectional Views

External Four Lite | FXXX



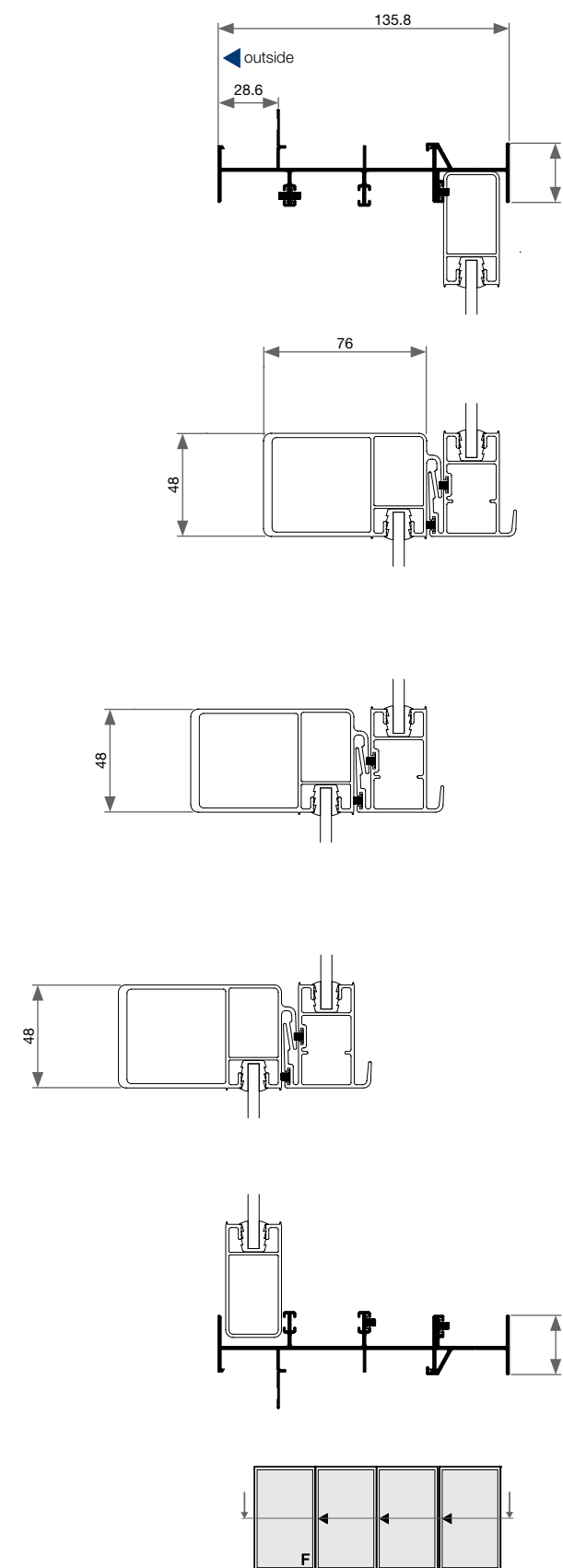
Viscount Sliding Stackers Doors - Cross Sectional Views

Six Lite | FXXXXF



Viscount Sliding Stackers Doors - Cross Sectional Views

External Four Lite | FXXX





Crestlite® Windsor Sliding Doors

Features & Benefits

Windsor Sliding Doors - Features & Benefits

FRAME

- Robust commercial aluminium door frame. Frames overall widths are available in:
 - 150mm
 - 204mm
 - 212mm
 - 252mm
 - 300mm
- Flyscreen only available for 150mm and 212mm frames.
- 102mm frames can be revealed.

PANEL

- Door panels - 63mm profile on rails and 100mm profile on stiles.
- Maximum door height is 3000mm.
- Maximum door panel is 1800mm
- Maximum sliding door opening 7200mm.
- Maximum weight 165kg per panel.
- Panel sizes may vary according to Pascal rating.

SILL

- Sill is always fitted with sub drainage sill.
- Sill threshold complies with disability code under AS1428.

GLAZING & ENERGY EFFICIENCY

- All Trend® Windows and Doors comply with AS2047.
- Glazing options from 4mm toughened glazed to 24mm insulated glazed units (IGUs) .
- Available in a range of glazing option.
- Energy efficiency options available to help reduce 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 .



Note: To obtain maximum rating detail contact your nearest Trend Architectural Consultant.

PRODUCT OPTIONS

- Internal sliding
- External sliding
- Stacker doors (internal or external)
- Multi stacking doors

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 AS2047.
- Pascal deflection rates up to 2200Pa.
- Sliding door commercial suite contains a concealed drainage hole for high water ratings as well as additional front screw holes for stronger frame fixing for higher wind load areas.
- Sliding doors rated at an air infiltration of 0.94L/s m² (below the the National Construction Code (NCC) for Air conditioned spaces of 1.00L/s m²) perfect for both air conditioned and non-air conditioned spaces.

HARDWARE

- Doors are fitted with heavy duty double bogey rollers.
- Commercial mortice lock or face mounted application.
- Infinity** black hardware is supplied as standard.
- Optional colours available
 - Pearl White
 - Stone Beige
 - Anodic Natural Matt
 - Satin Chrome
- Door locks can be keyed alike to other Trend®

INSTALLATION

- Installation must be carried out by an authorised Trend Windows & Doors installer.

FINISHES

- Wide range of powdercoat finishes are available (including warranty powders and anodised options).



Crestlite® Windsor Sliding Doors **Installation**

Windsor Sliding Doors - Installation

Building In Detail | **Blockwork with No Rebate**



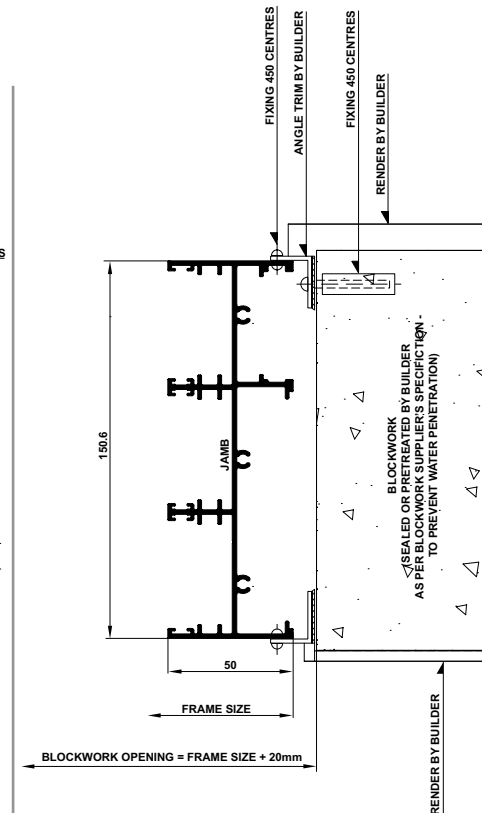
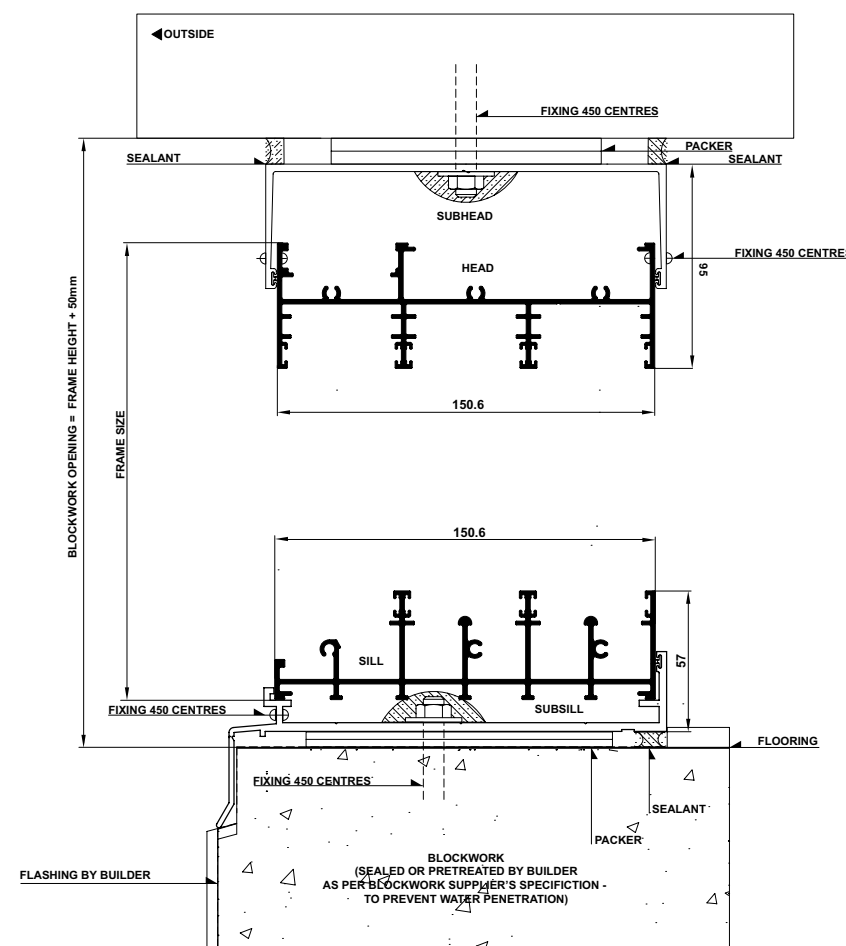
INSTALLING FRAME CORRECTLY

- 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.

Blockwork Opening:

Height = Frame Size + 50mm
Width = Frame Size + 20mm

- 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.



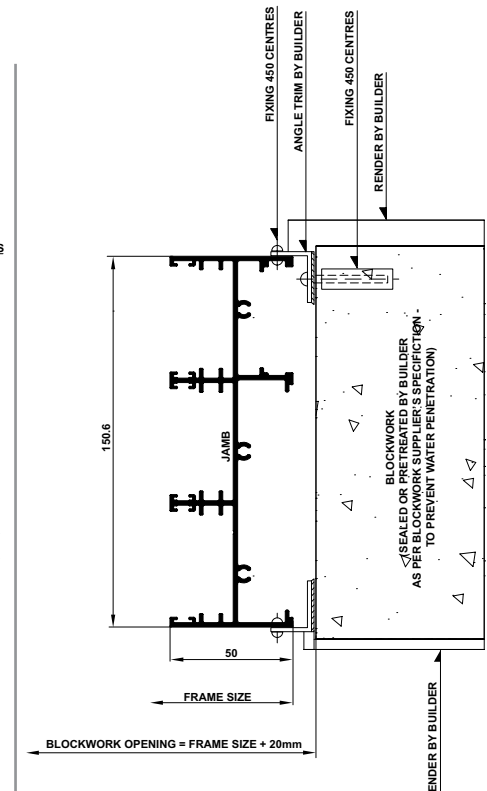
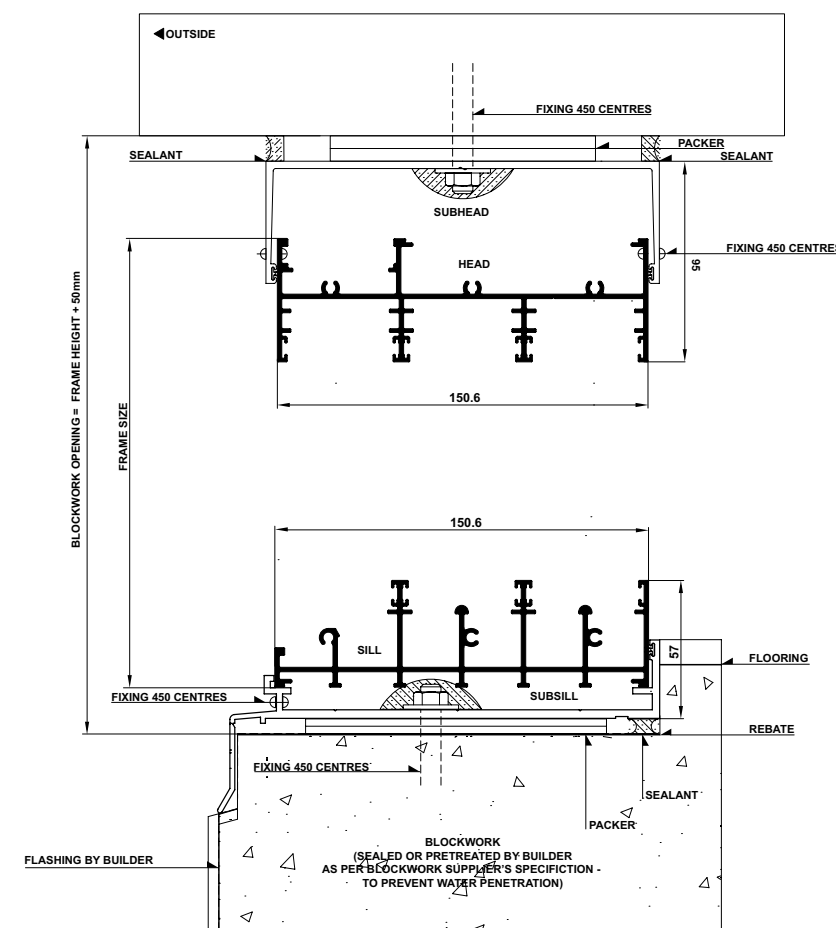
INSTALLING FRAME CORRECTLY

- 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.

Blockwork Opening:

Height = Frame Size + 50mm
Width = Frame Size + 20mm

- 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

Trend® Windows & Doors | Design Manual | C-Mk-1 | February 2016

Confidentiality Notice: This document and the information it contains are copyright and confidential to Trend® Windows & Doors Pty Limited. Disclosure, use and copying in any form whatsoever, except as authorised by Trend® Windows & Doors in writing, are strictly prohibited. Patents and Design Registrations pending

Please note that drawings displayed are not to scale

Trend® Windows & Doors | Design Manual | C-Mk-1 | February 2016

Confidentiality Notice: This document and the information it contains are copyright and confidential to Trend® Windows & Doors Pty Limited. Disclosure, use and copying in any form whatsoever, except as authorised by Trend® Windows & Doors in writing, are strictly prohibited. Patents and Design Registrations pending

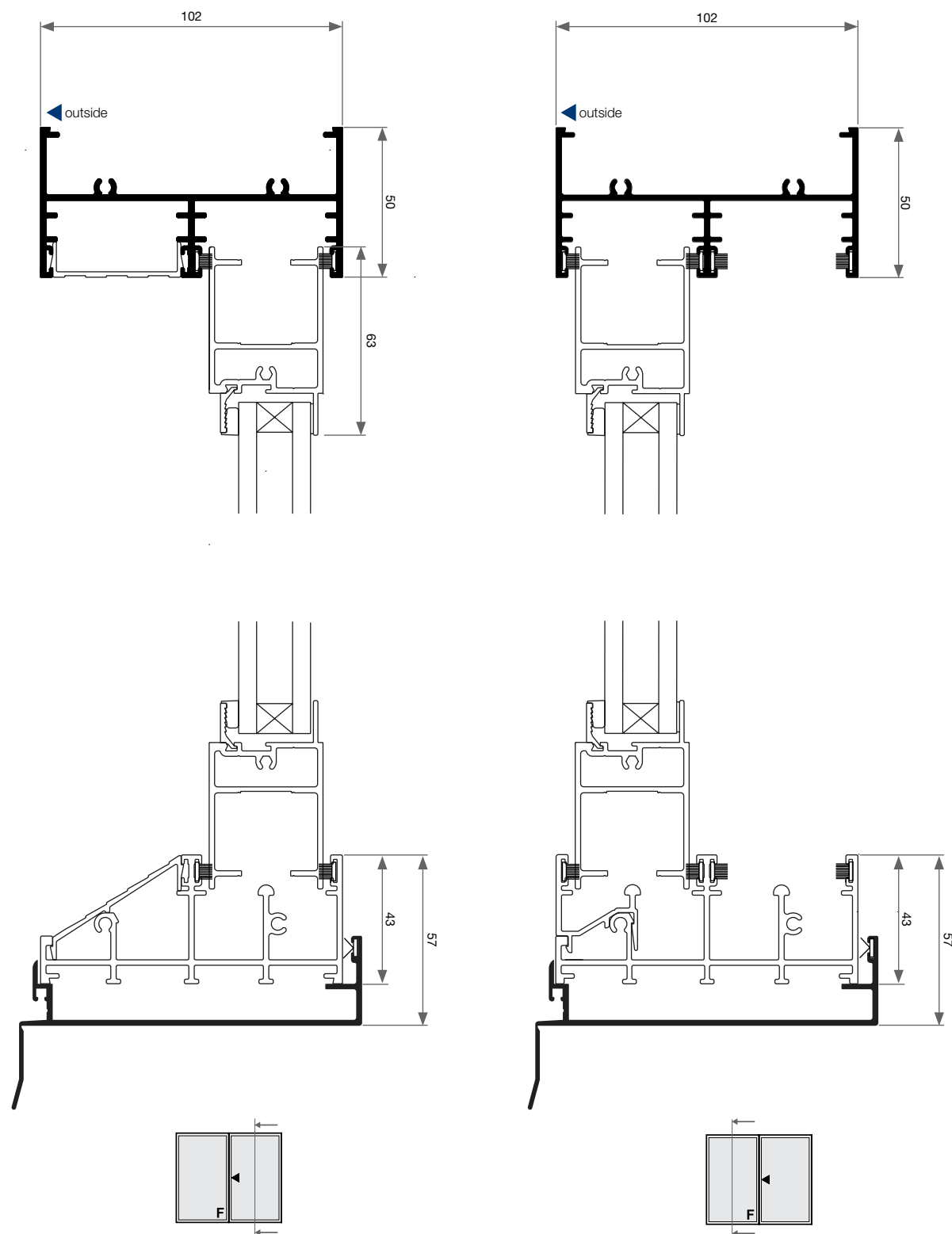


Crestlite® Windsor Sliding Doors

Cross Sectional Views

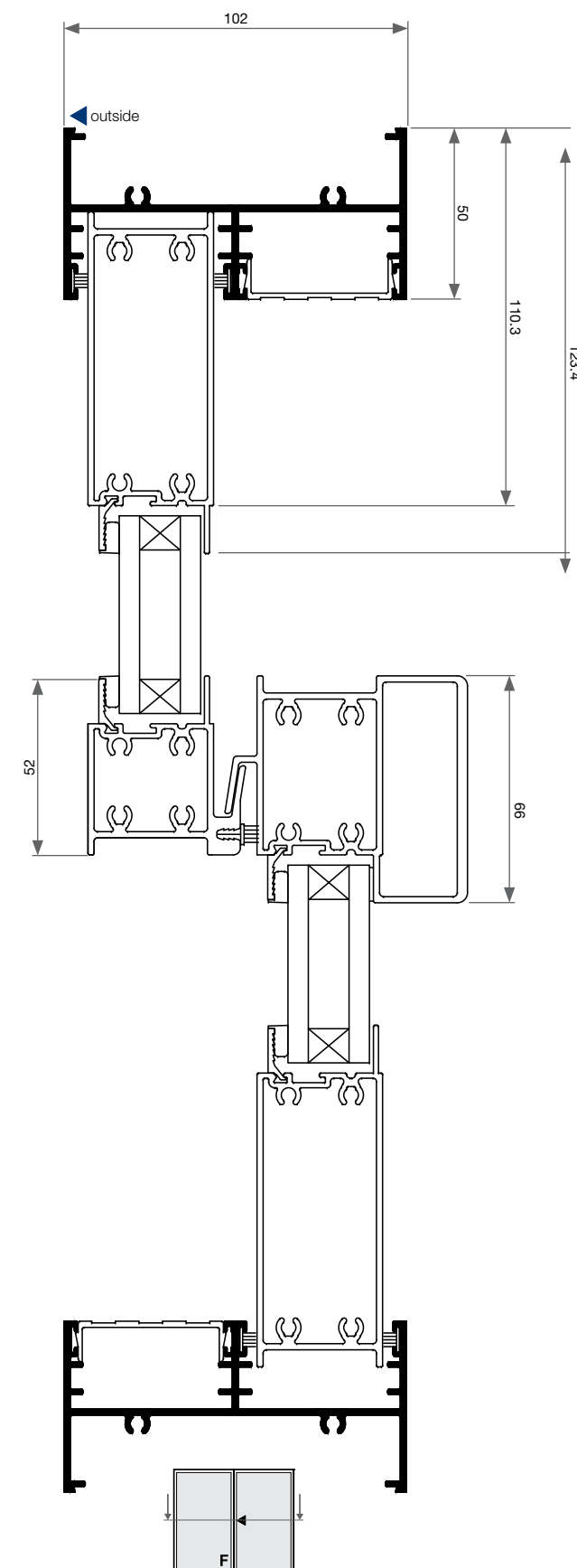
Windsor Sliding Doors - Cross Sectional View

Windsor Sliding Door | Two Panel 102mm Frame - FX - Elevation



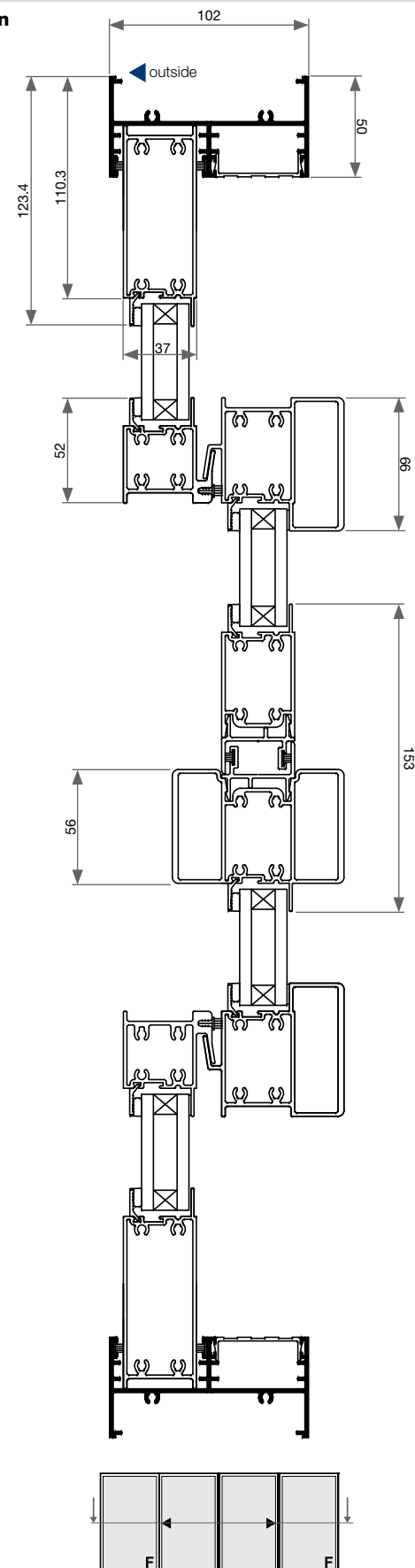
Windsor Sliding Doors - Cross Sectional View

Windsor Sliding Door | Two Panel 102mm Frame - FX - Plan



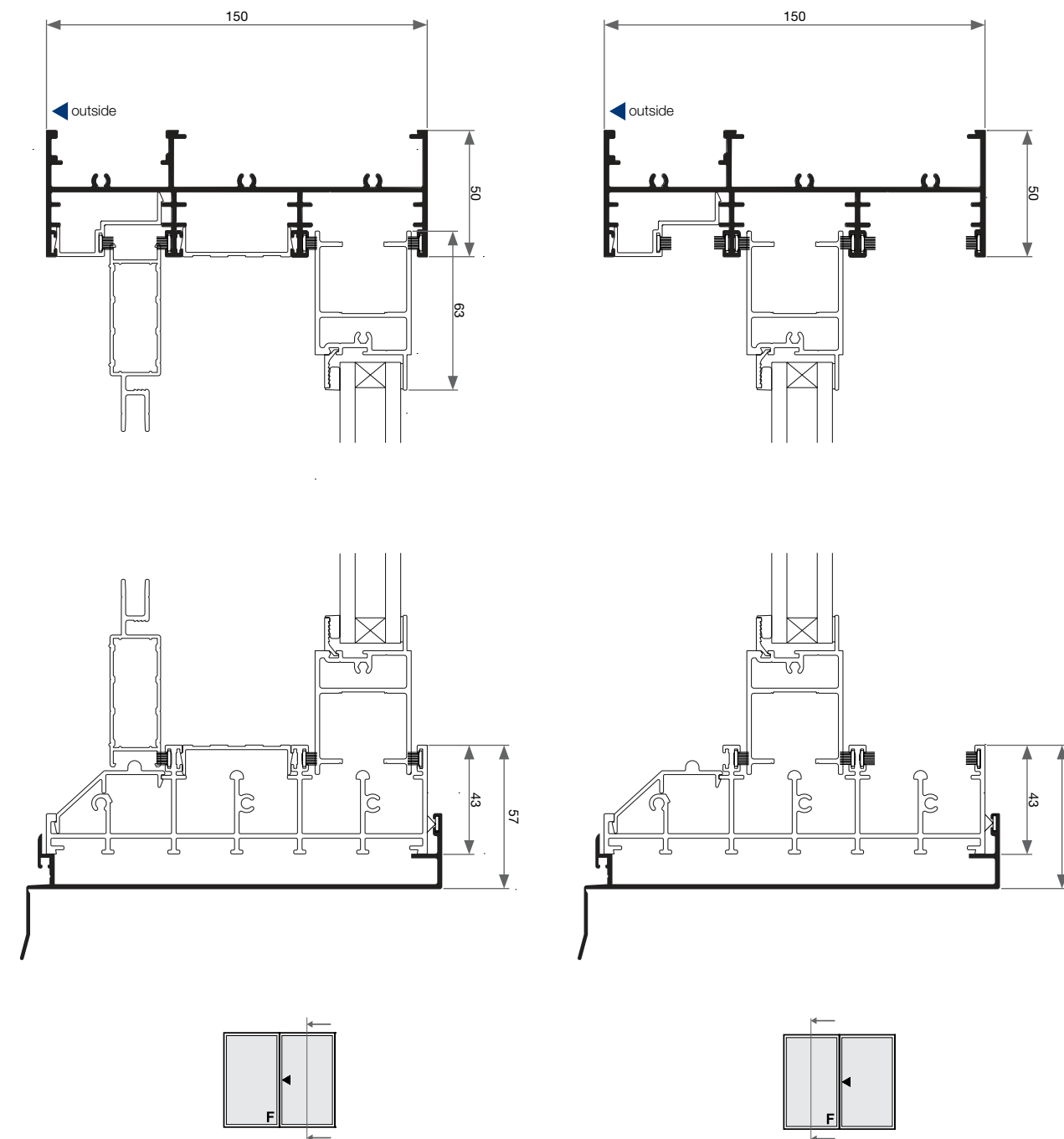
Windsor Sliding Doors - Cross Sectional View

Two Panel 102mm Frame - FXXF - Elevation



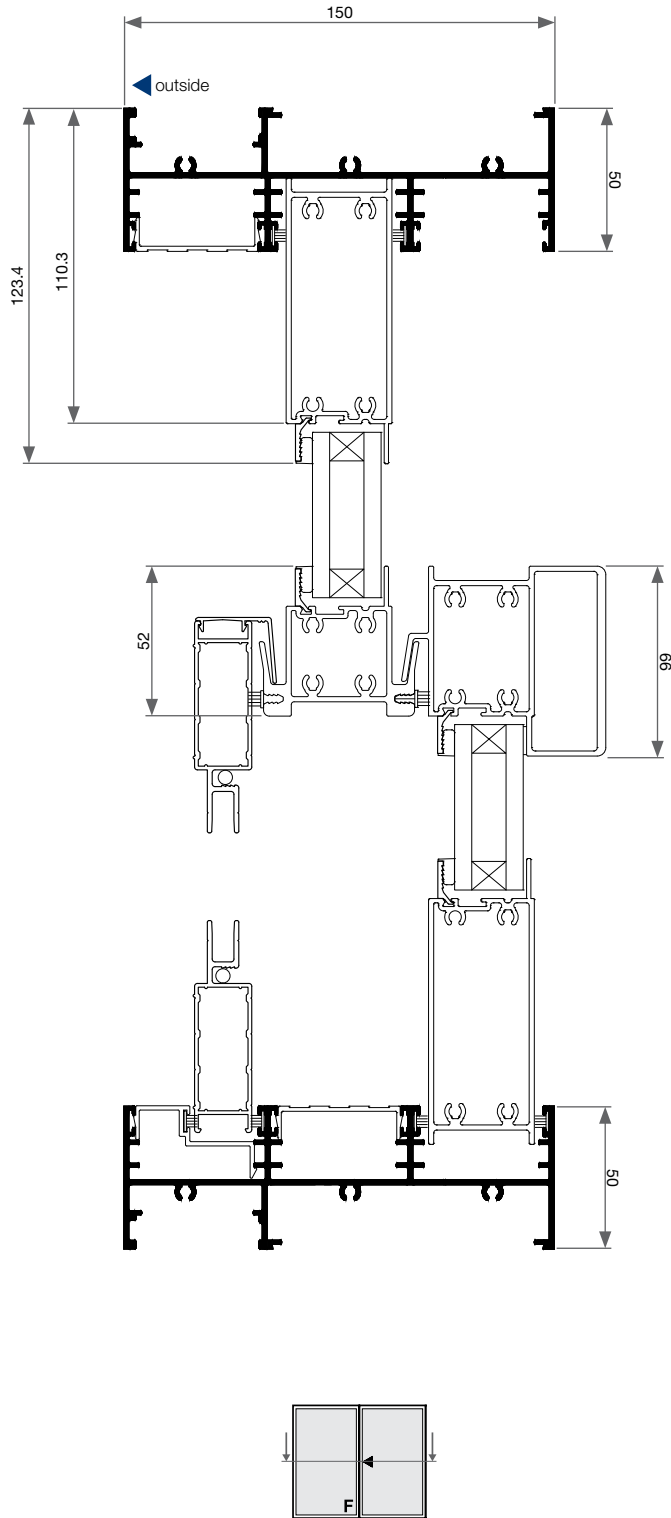
Windsor Sliding Doors - Cross Sectional View

Two Panel 150mm Frame - FX - Elevation



Windsor Sliding Doors - Cross Sectional View

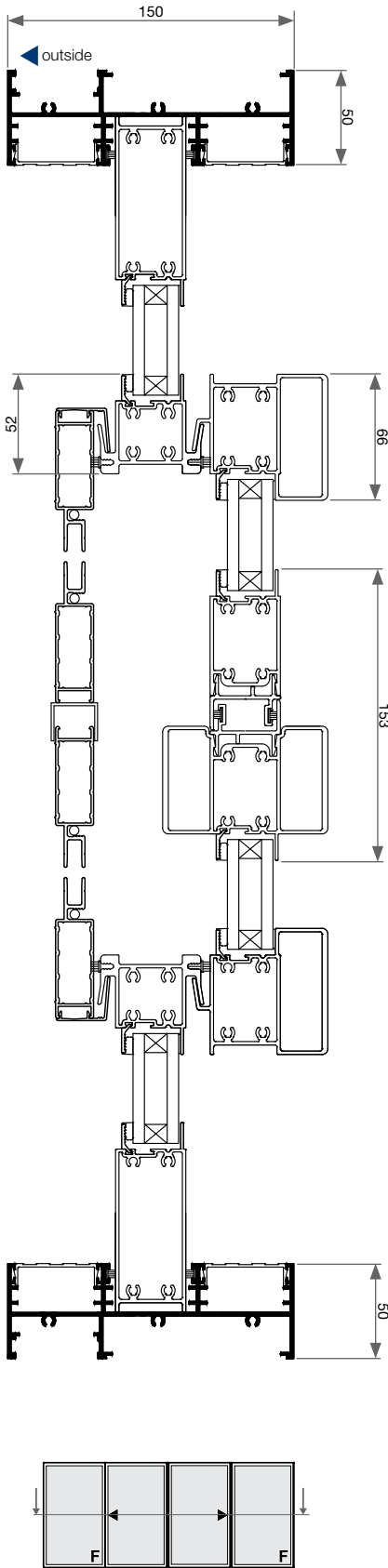
Four Panel 150mm Frame - FX - Plan



Please note that drawings displayed are not to scale

Windsor Sliding Doors - Cross Sectional View

Four Panel 150mm Frame - FXXF - Plan



Please note that drawings displayed are not to scale

Crestlite® Windsor Sliding Stacker Doors

Features & Benefits

Windsor Sliding Stacker Doors - Features & Benefits

FRAME

- Robust commercial aluminium door frame. Frames overall widths are available in:
 - 150mm
 - 204mm
 - 212mm
 - 252mm
 - 300mm
- Flyscreen only available for 150mm and 212mm frames.

PANEL

- Door panels - 63mm profile on rails and 100mm profile on stiles.
- Maximum door height is 3000mm.
- Maximum door panel is 1800mm (Note: this depends on terrain category)
- Maximum sliding door opening 7200mm.
- Maximum sliding stacker door opening 12 metres (3 -12 panels) subject to configuration.
- Maximum weight 165kg per panel.
- Panel sizes may vary according to Pascal rating.

SILL

- Sill is always fitted with sub drainage sill.
- Sill threshold complies with disability code under AS1428.

GLAZING & ENERGY EFFICIENCY

- All Trend® Windows and Doors comply with AS2047.
- Glazing options from 4mm toughened glazed to 24mm insulated glazed units (IGUs) .
- Available in a range of glazing option.
- Energy efficiency options available to help reduce 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 .



Note: To obtain maximum rating detail contact your nearest Trend Architectural Consultant.

Windsor Sliding Stacker Doors - Features & Benefits

PRODUCT OPTIONS

- Internal sliding
- External sliding
- Stacker doors (internal or external)
- Multi stacking doors

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 AS2047.
- Pascal deflection rates up to 2200Pa.
- Sliding door commercial suite contains a concealed drainage hole for high water ratings as well as additional front screw holes for stronger frame fixing for higher wind load areas.
- Sliding & Sliding Stacker doors rated at an air infiltration of 0.94L/s m² (below the the National Construction Code (NCC) for Air conditioned spaces of 1.00L/s m²) perfect for both air conditioned and non-air conditioned spaces.

HARDWARE

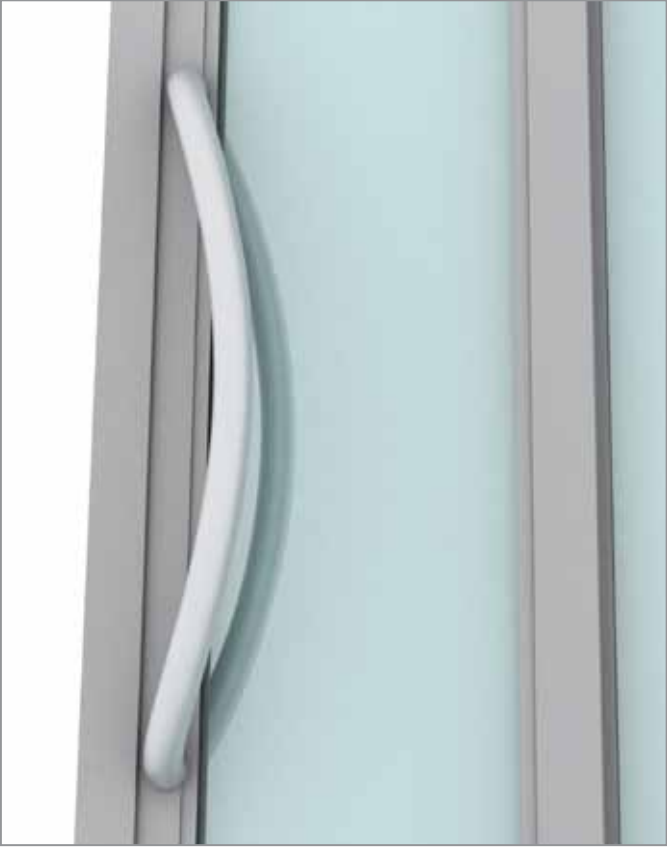
- Doors are fitted with heavy duty double bogey rollers.
- Commercial mortice lock or face mounted application.
- Infinity** black hardware is supplied as standard.
- Optional colours available
 - Pearl White
 - Stone Beige
 - Anodic Natural Matt
 - Satin Chrome
- Door locks can be keyed alike to other Trend®

INSTALLATION

- Installation must be carried out by an authorised Trend Windows & Doors installer.

FINISHES

- Wide range of powdercoat finishes are available (including warranty powders and anodised options).





Crestlite® Windsor Sliding Stacker Doors **Installation**

Windsor Sliding Stacker Doors - Installation

Building In Detail | Blockwork with No Rebate



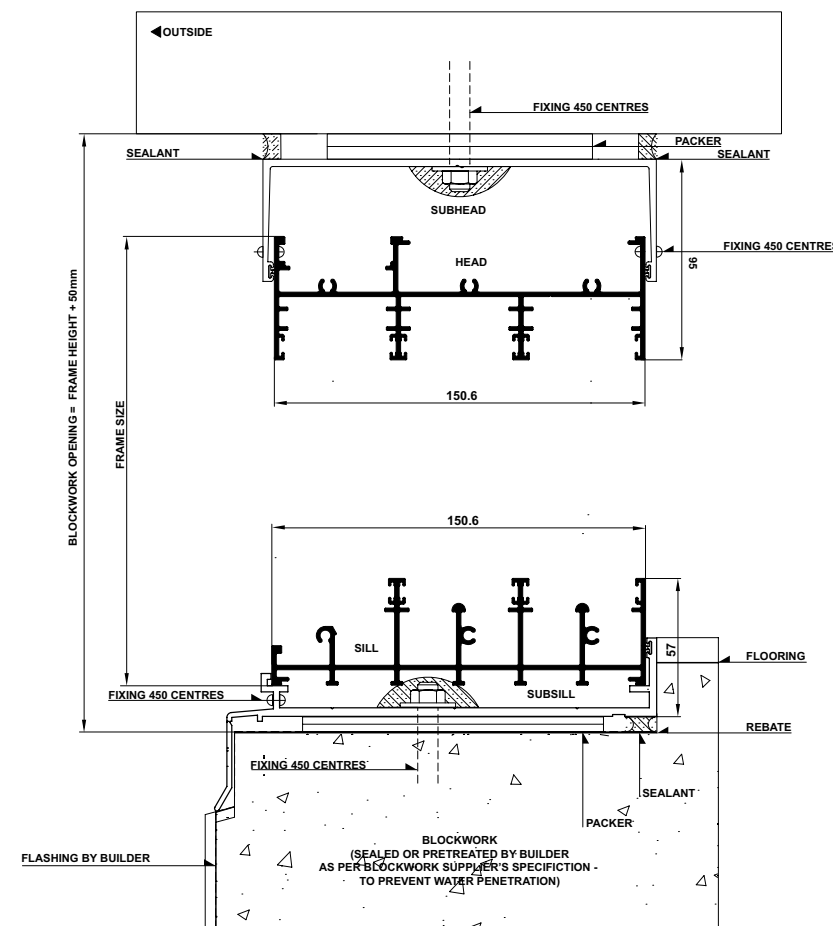
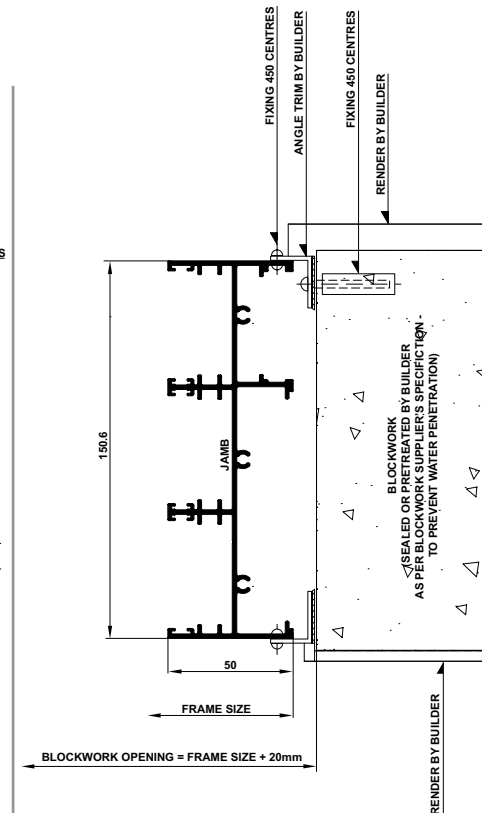
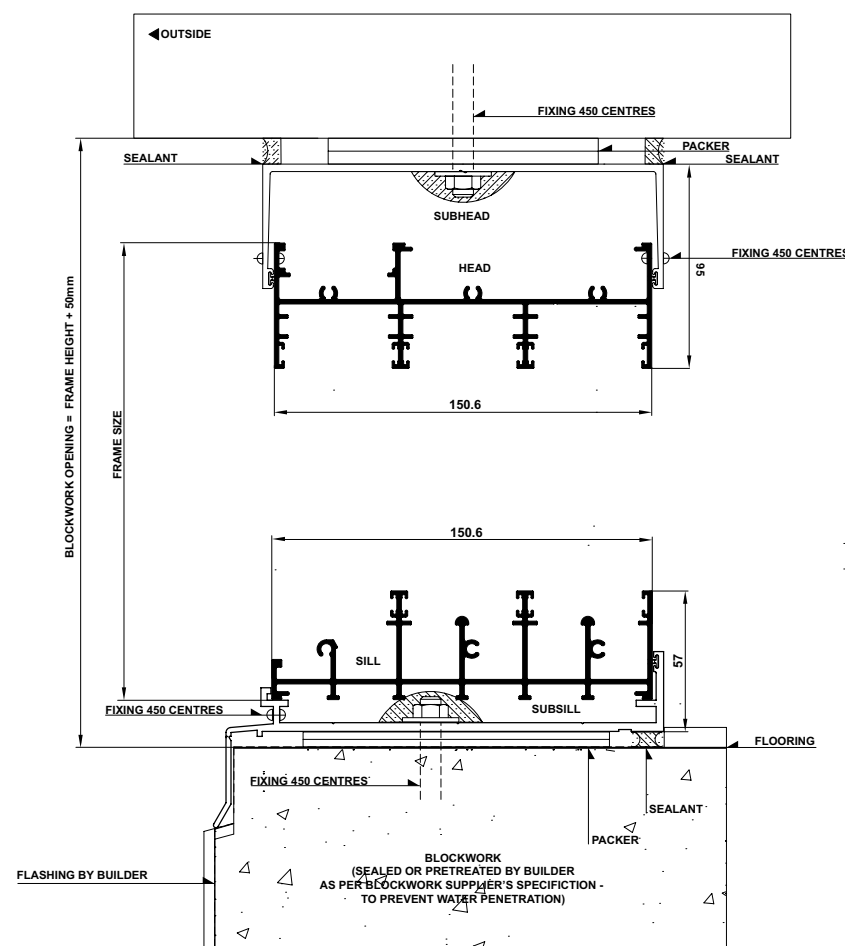
INSTALLING FRAME CORRECTLY

- 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.

Blockwork Opening:

Height = Frame Size + 50mm
Width = Frame Size + 20mm

- 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.



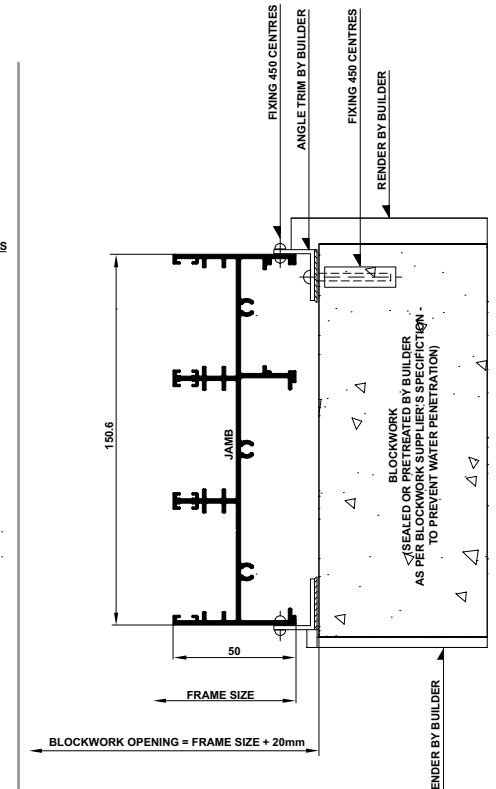
INSTALLING FRAME CORRECTLY

- 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.

Blockwork Opening:

Height = Frame Size + 50mm
Width = Frame Size + 20mm

- 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

Trend® Windows & Doors | Design Manual | C-Mk-1 | February 2016

Confidentiality Notice: This document and the information it contains are copyright and confidential to Trend® Windows & Doors Pty Limited. Disclosure, use and copying in any form whatsoever, except as authorised by Trend® Windows & Doors in writing, are strictly prohibited. Patents and Design Registrations pending

Please note that drawings displayed are not to scale

Trend® Windows & Doors | Design Manual | C-Mk-1 | February 2016

Confidentiality Notice: This document and the information it contains are copyright and confidential to Trend® Windows & Doors Pty Limited. Disclosure, use and copying in any form whatsoever, except as authorised by Trend® Windows & Doors in writing, are strictly prohibited. Patents and Design Registrations pending



Crestlite® Windsor Sliding Stacker Doors

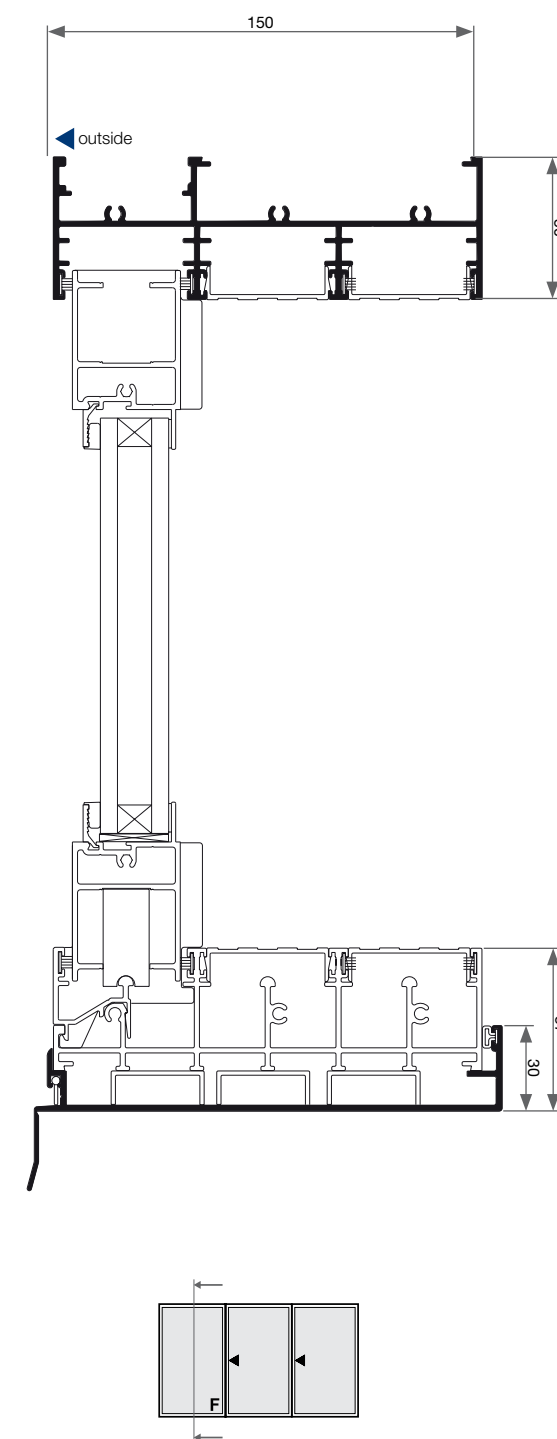
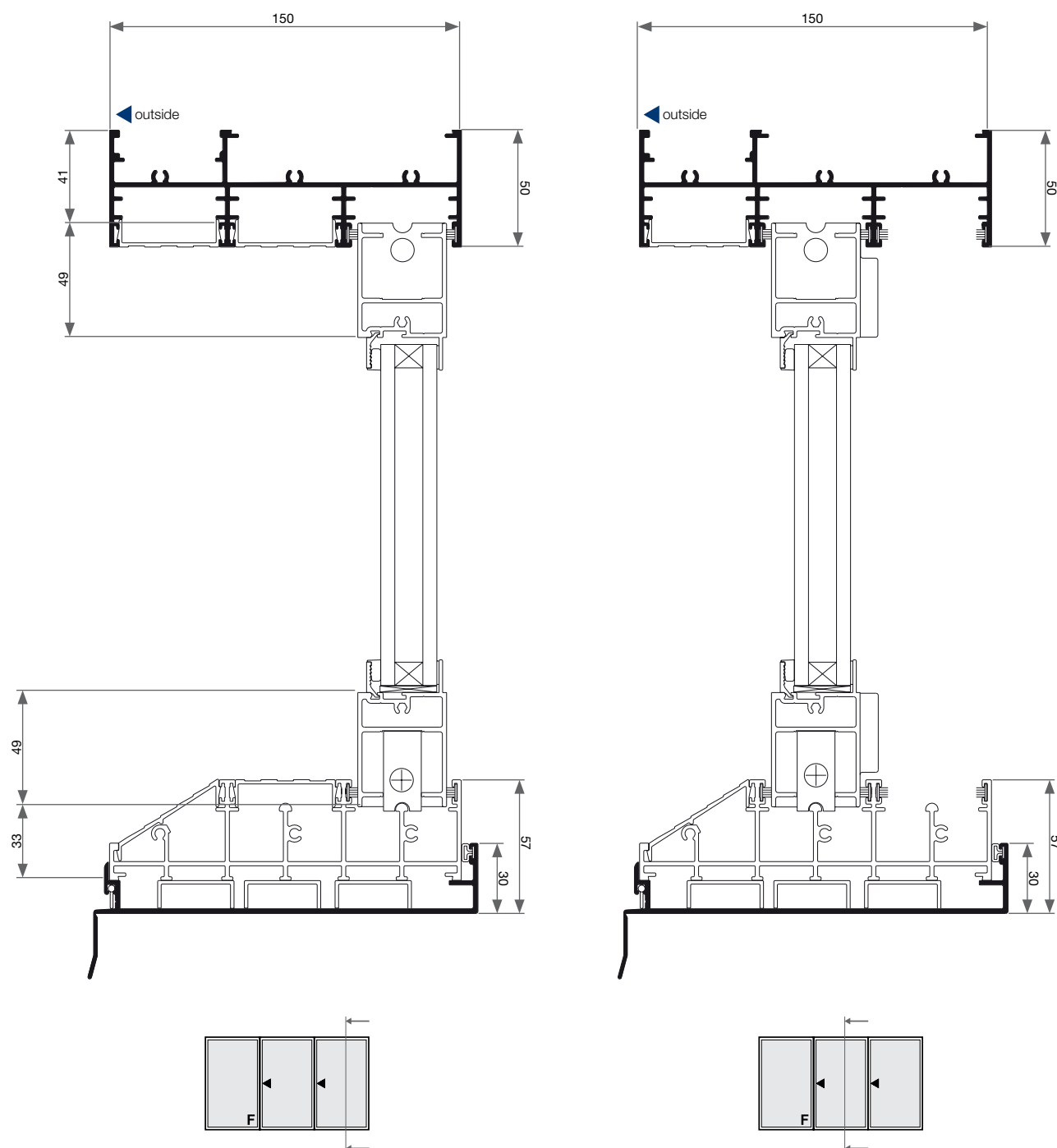
Cross Sectional Views

Windsor Sliding Stacker Doors - Cross Sectional View

Three Panel | 150mm Frame | Elevation

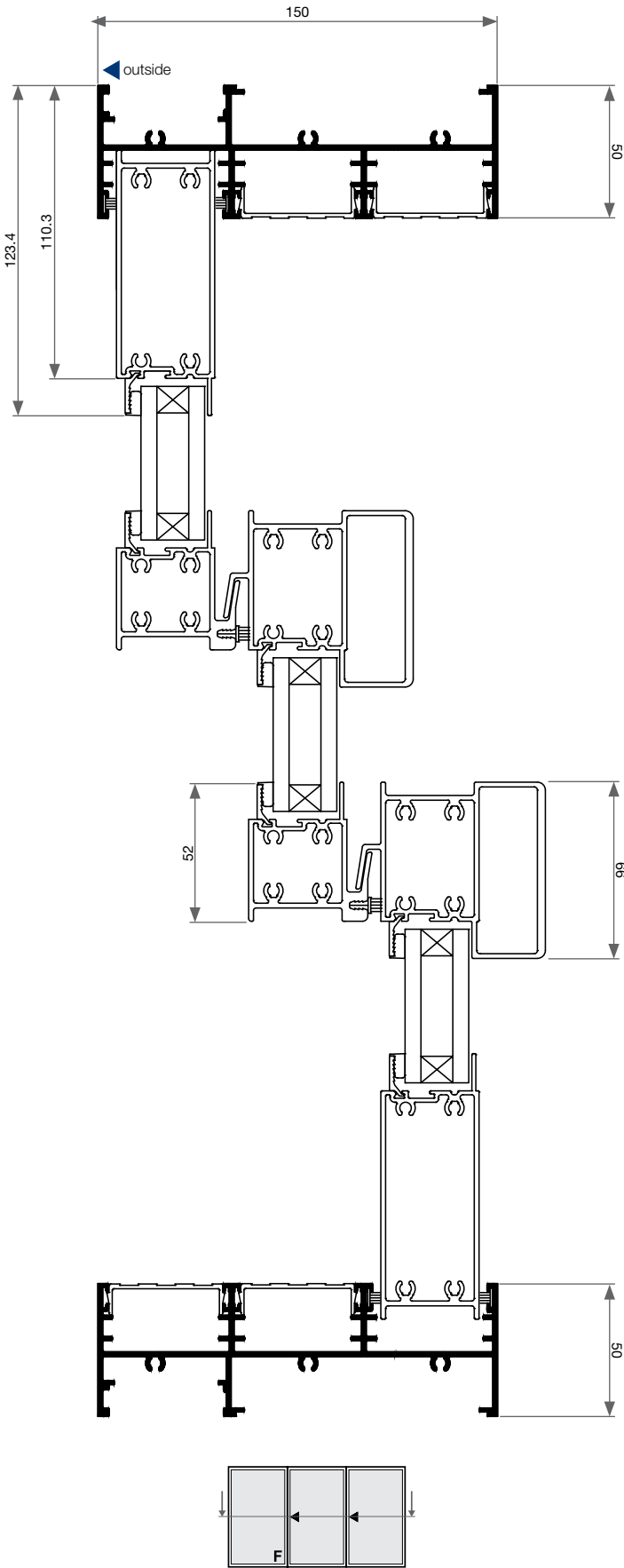
Windsor Sliding Stacker Doors - Cross Sectional View

Three Panel | 150mm Frame | Elevation



Windsor Sliding Stacker Doors - Cross Sectional View

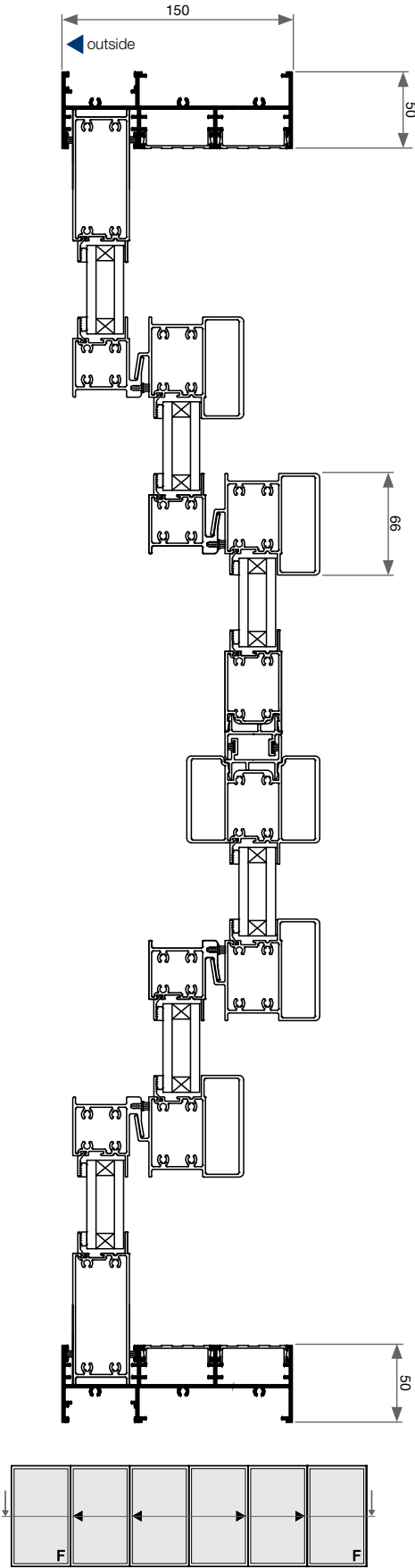
Three Panel | 150mm Frame | Plan



Please note that drawings displayed are not to scale

Windsor Sliding Stacker Doors - Cross Sectional View

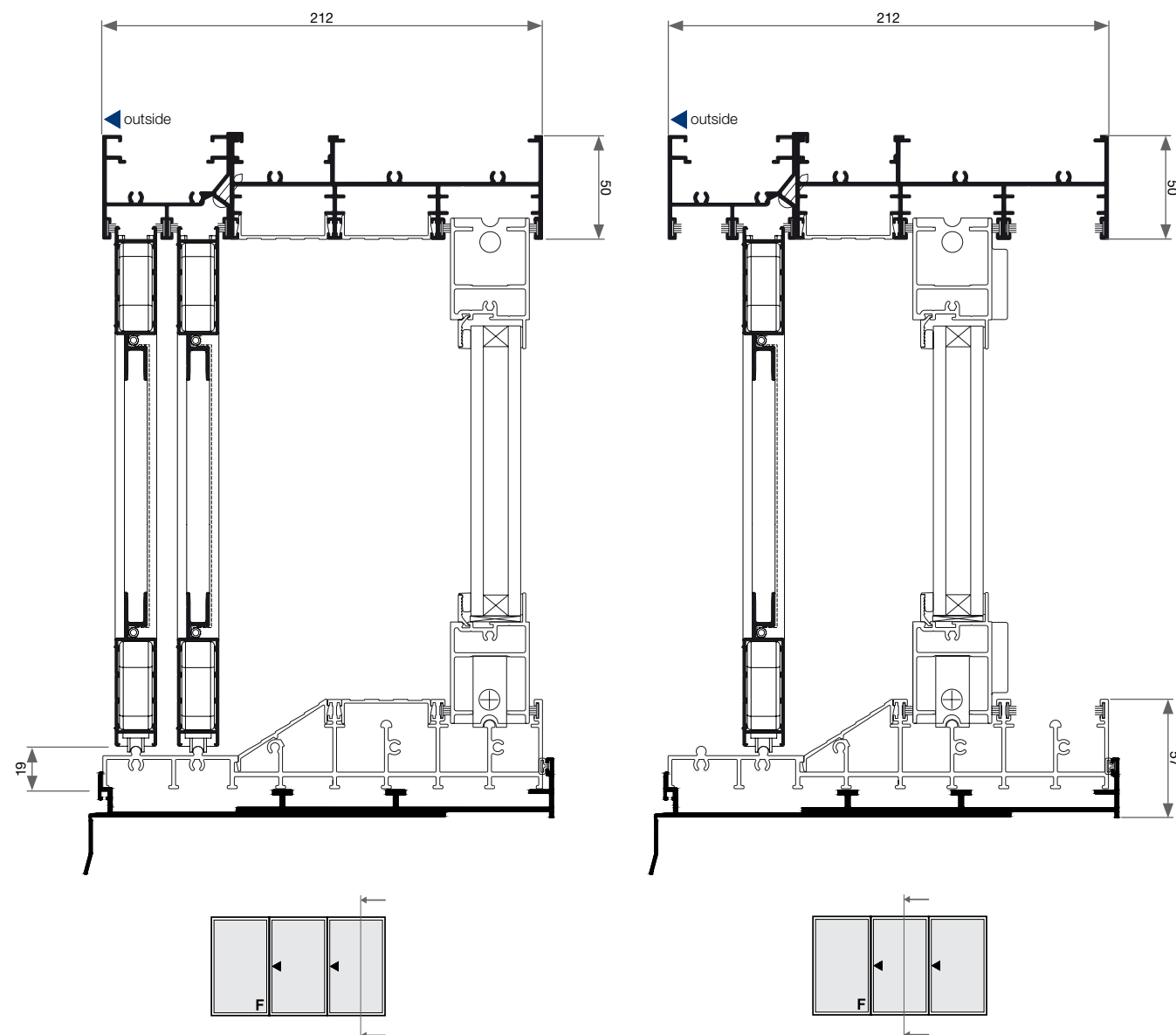
Six Panel | 150mm Frame | Plan



Please note that drawings displayed are not to scale

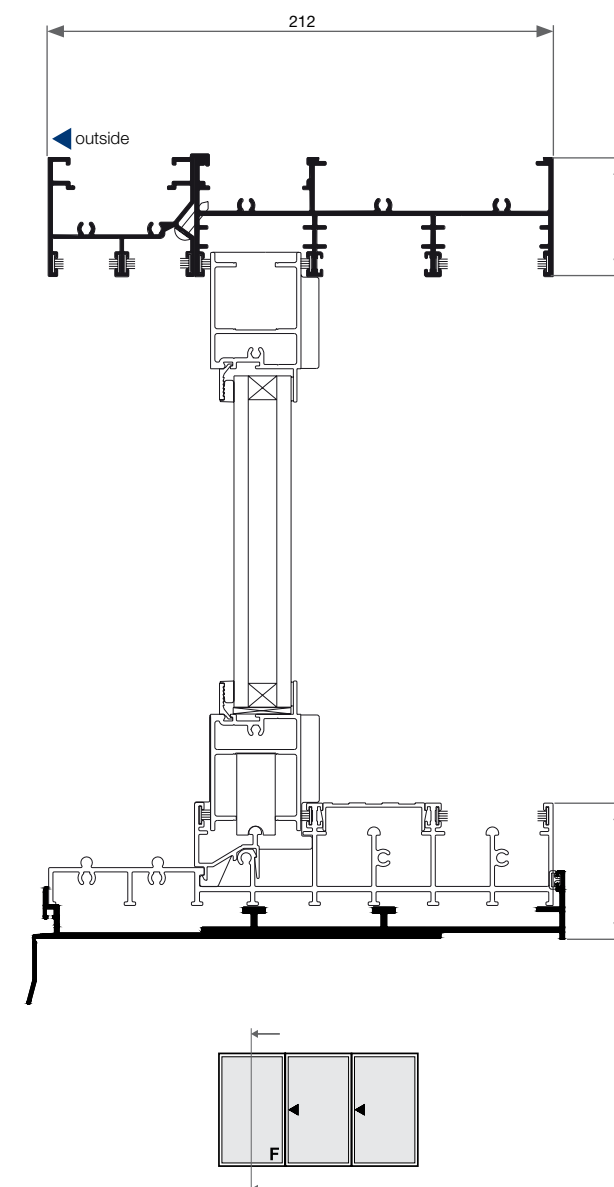
Windsor Sliding Stacker Doors - Cross Sectional View

Three Panel w/ Screens | 212mm Frame | Elevation



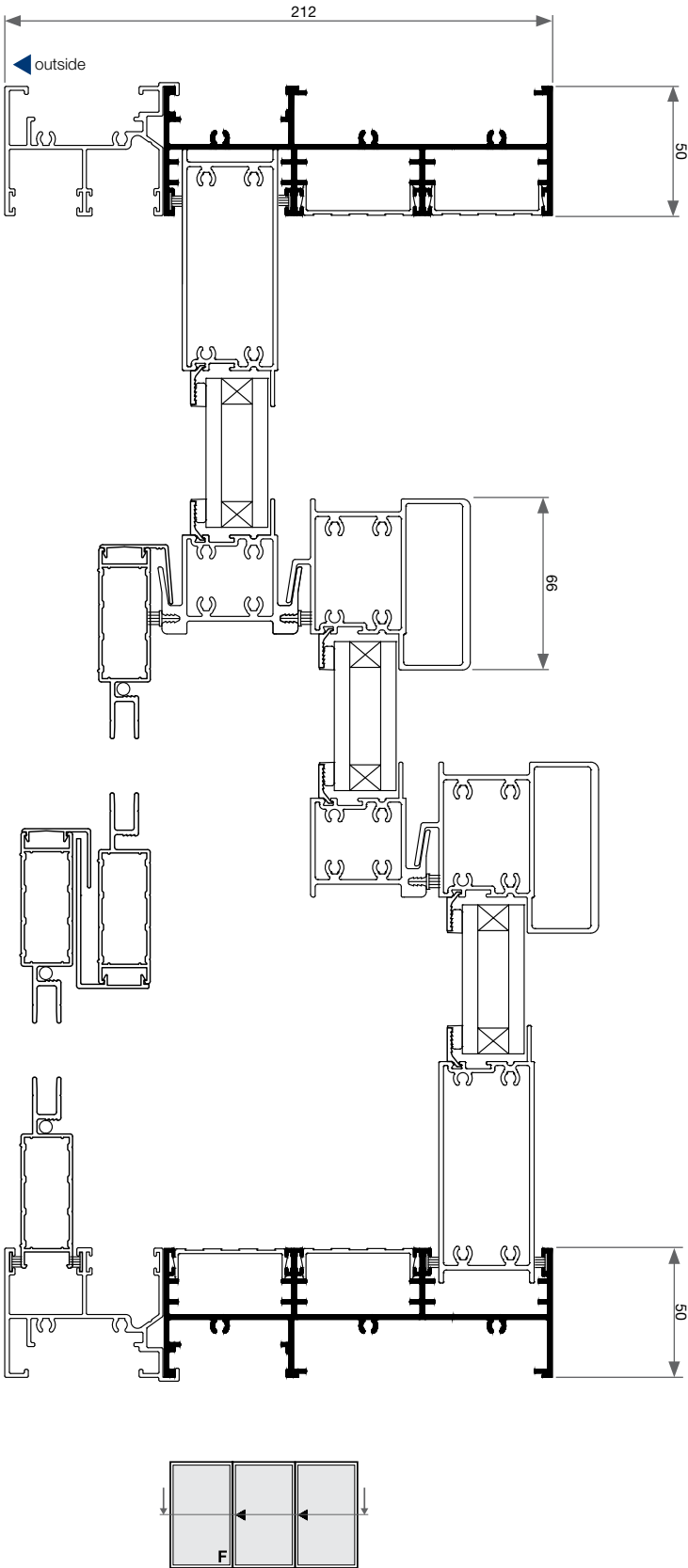
Windsor Sliding Stacker Doors - Cross Sectional View

Three Panel w/ Screens | 212mm | Elevation



Windsor Sliding Stacker Doors - Cross Sectional View

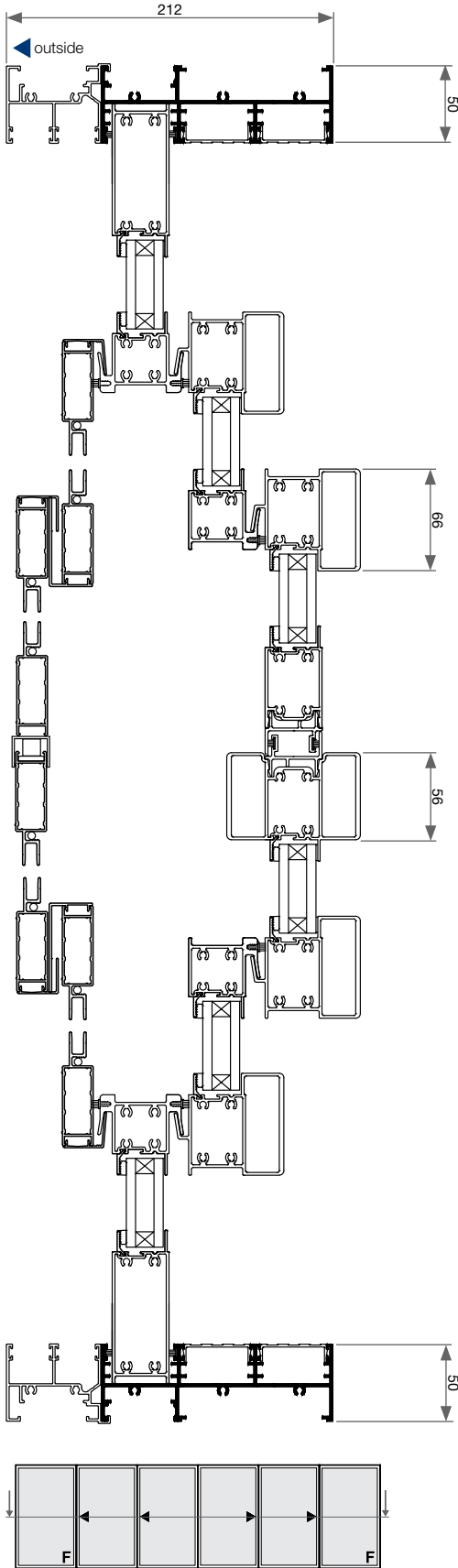
Three Panel w/ Screens | 212mm Frame | Plan



Please note that drawings displayed are not to scale

Windsor Sliding Stacker Doors - Cross Sectional View

Six Panel w/ Screens | 212mm Frame | Plan



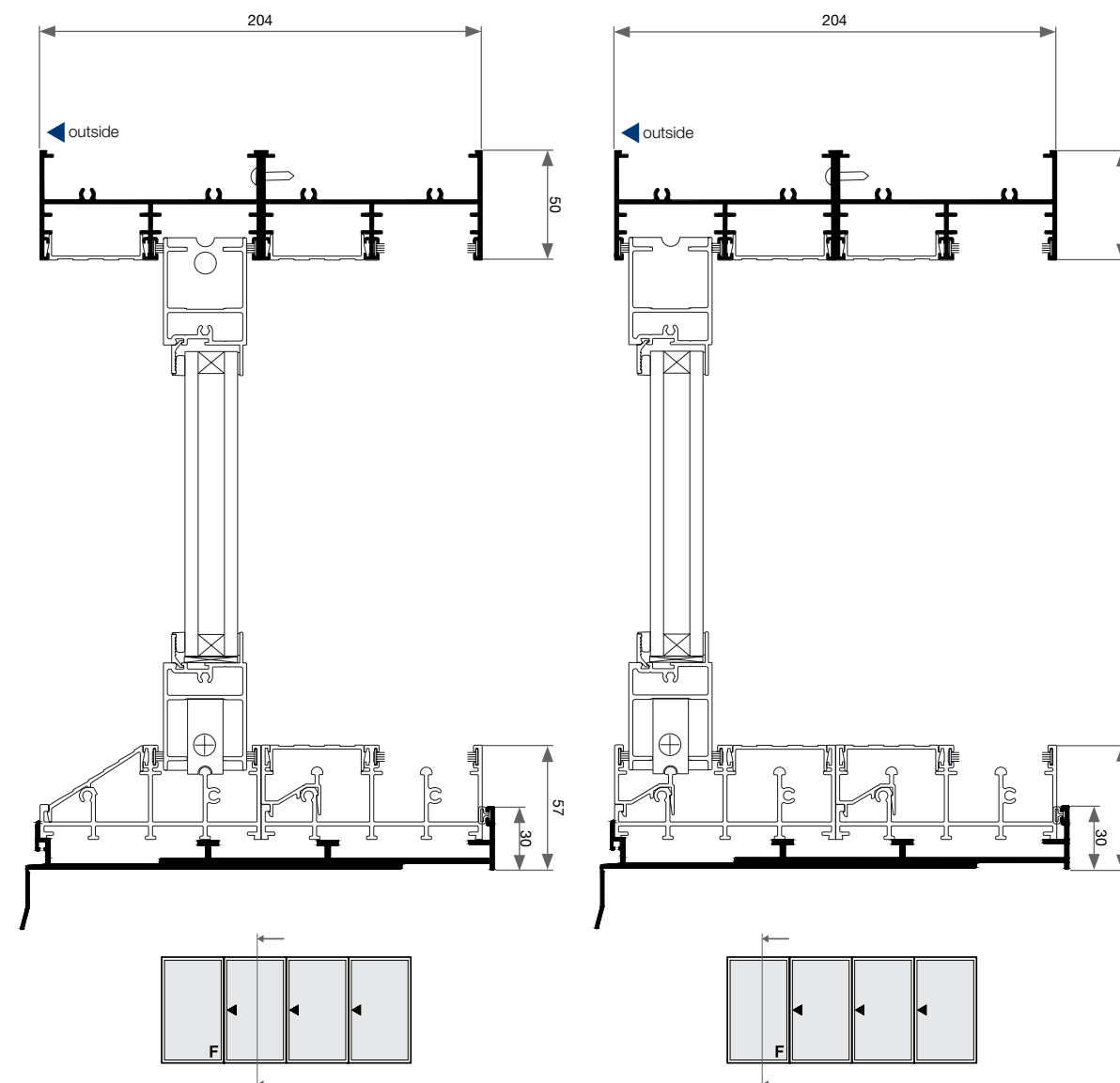
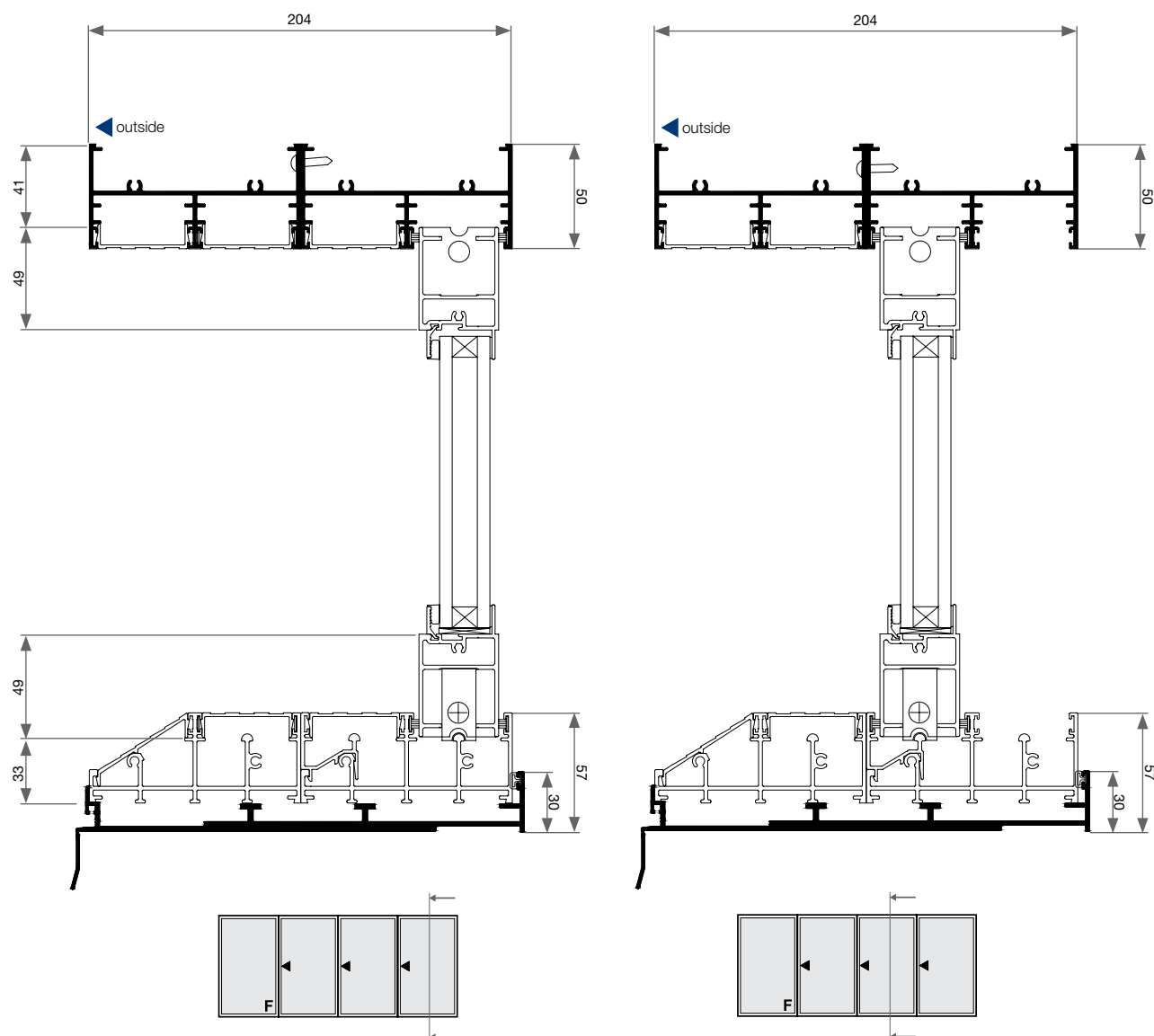
Please note that drawings displayed are not to scale

Windsor Sliding Stacker Doors - Cross Sectional View

Four Panel | 204mm Frame | Elevation

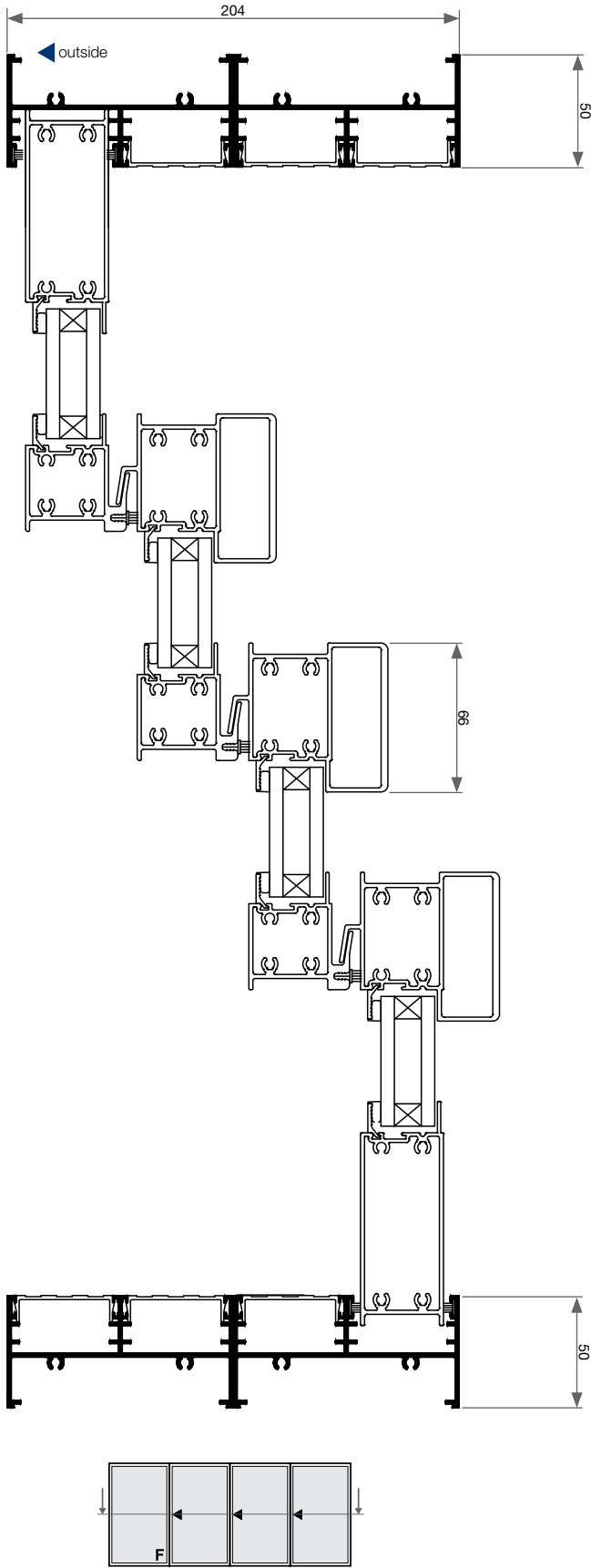
Windsor Sliding Stacker Doors - Cross Sectional View

Four Panel | 204mm Frame | Elevation



Windsor Sliding Stacker Doors - Cross Sectional View

Four Panel | 204mm Frame | Plan

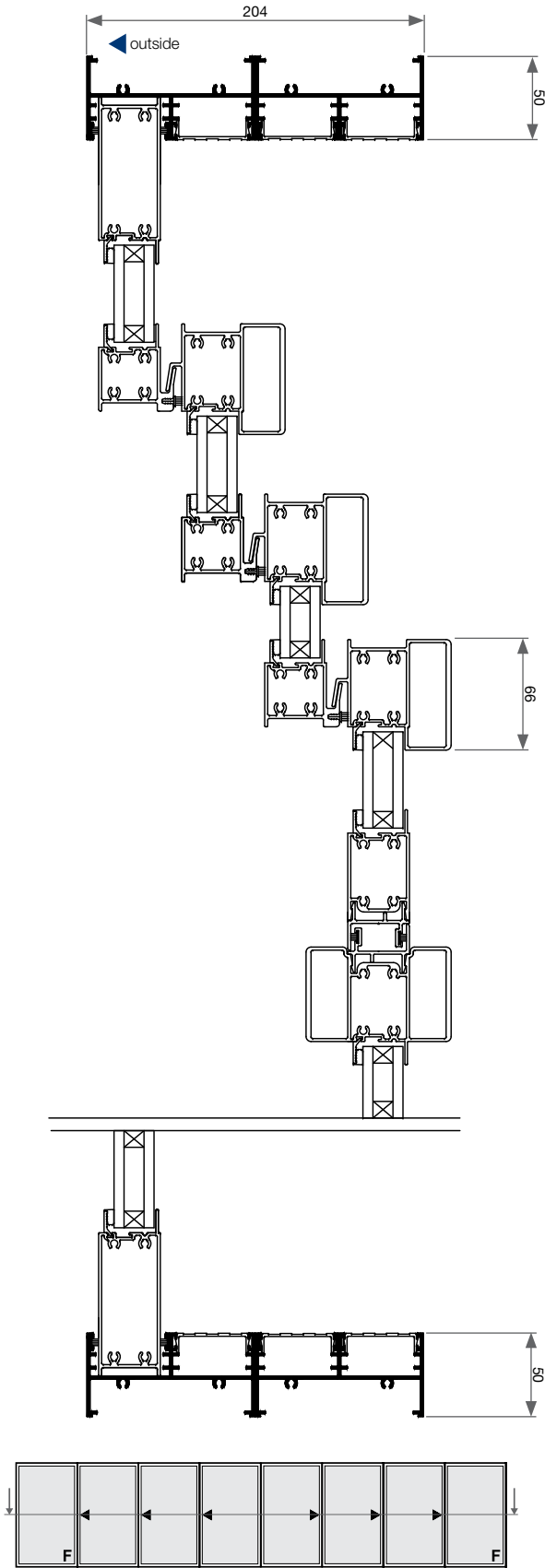


Please note that drawings displayed are not to scale



Windsor Sliding Stacker Doors - Cross Sectional View

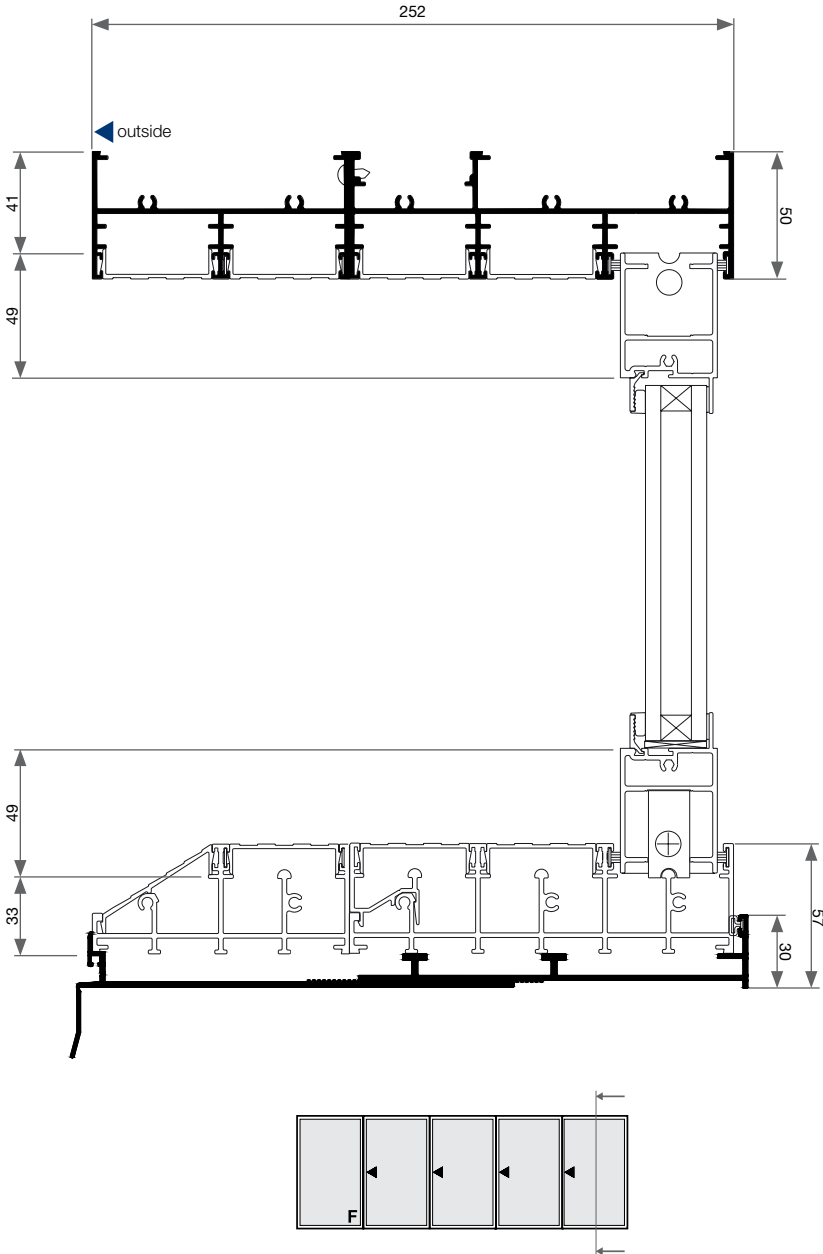
Eight Panel | 204mm Frame | Plan



Please note that drawings displayed are not to scale

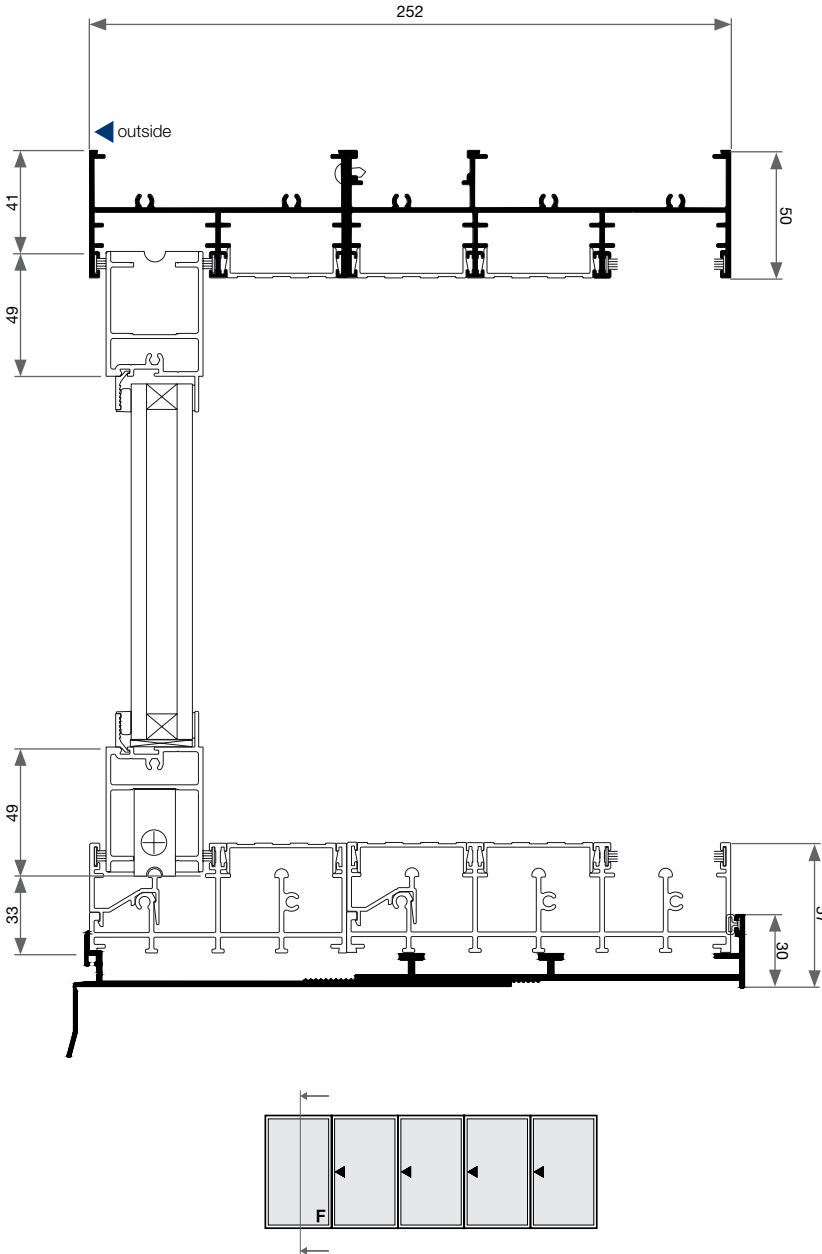
Windsor Sliding Stacker Doors - Cross Sectional View

Five Panel | 252mm Frame | Elevation



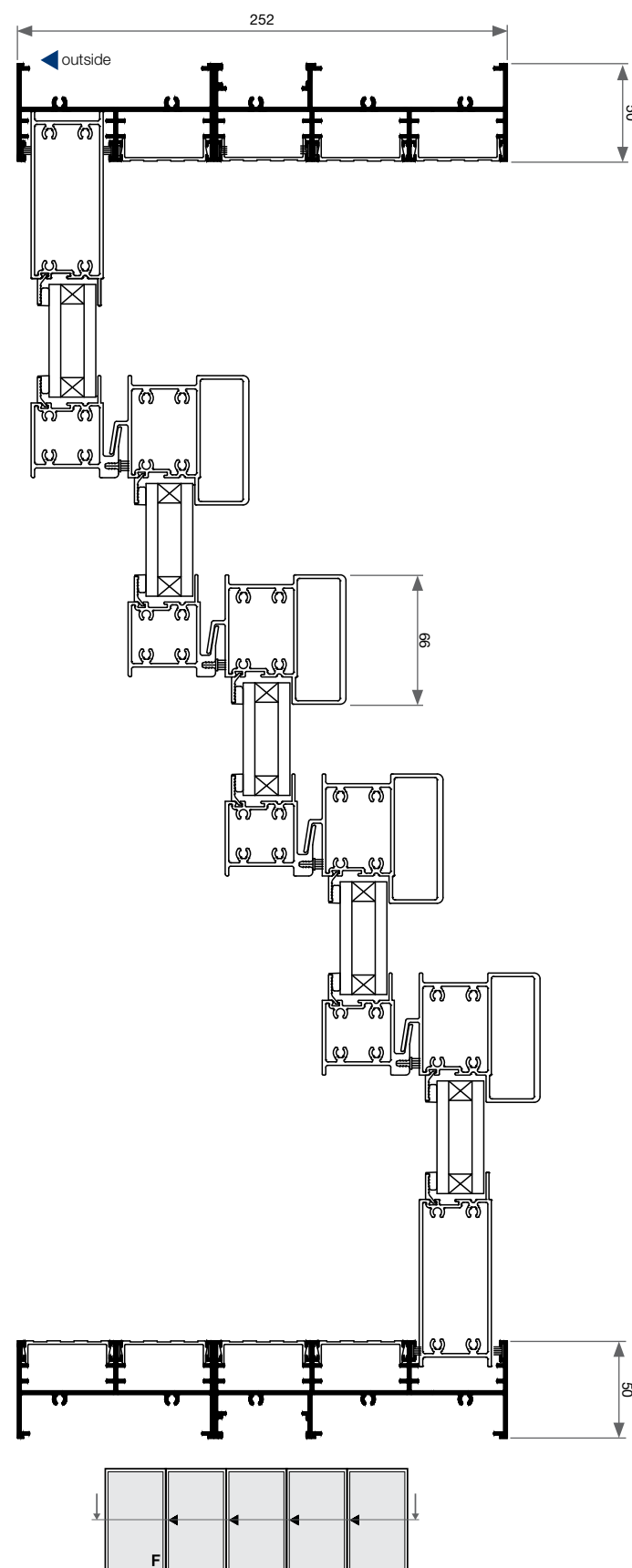
Windsor Sliding Stacker Doors - Cross Sectional View

Five Panel | 252mm Frame | Elevation



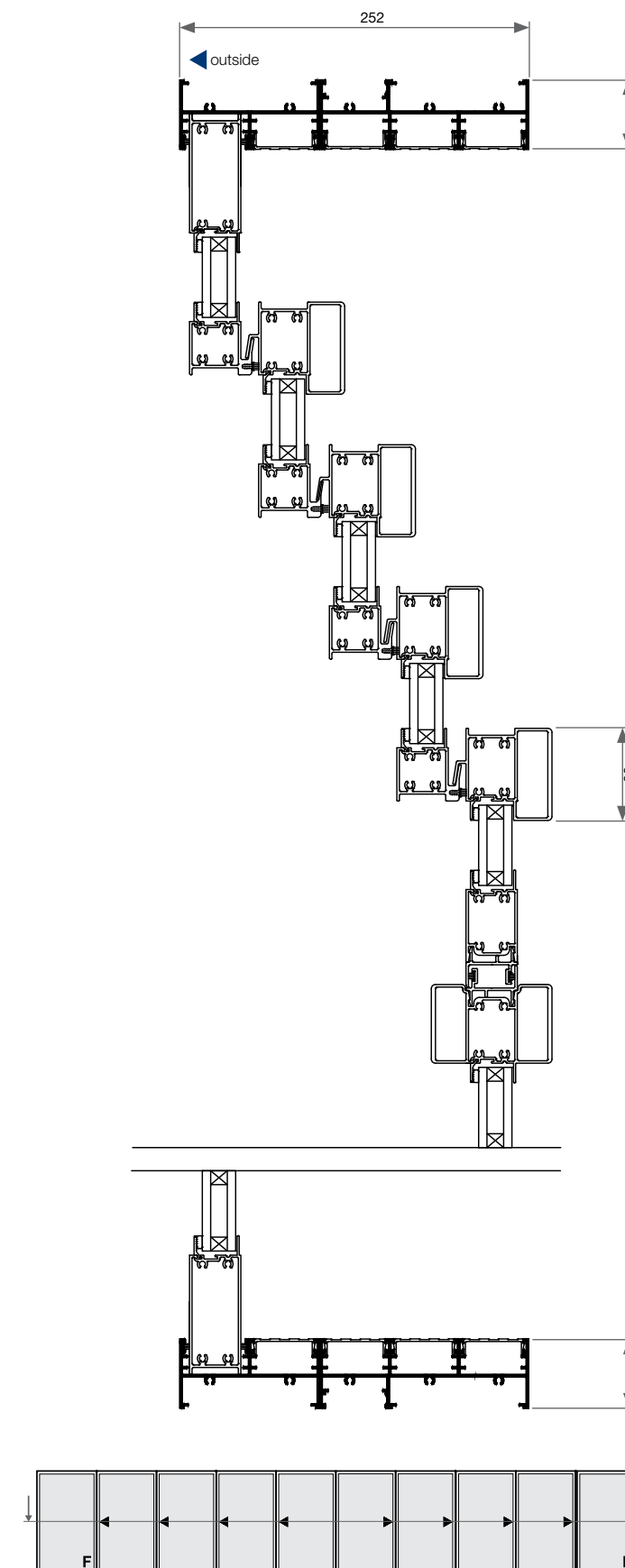
Windsor Sliding Stacker Doors - Cross Sectional View

Five Panel | 252mm Frame | Plan



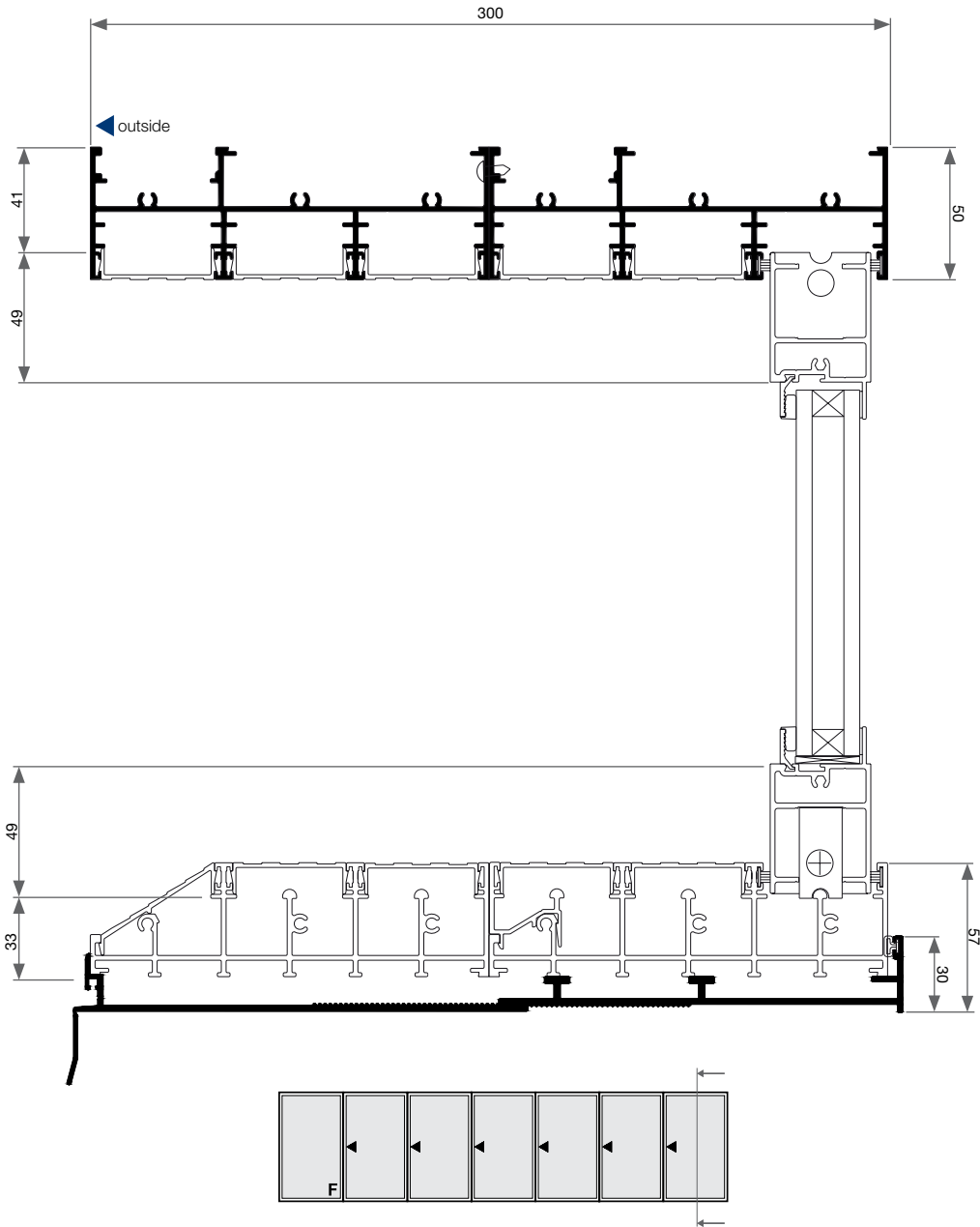
Windsor Sliding Stacker Doors - Cross Sectional View

Ten Panel | 252mm Frame | Plan



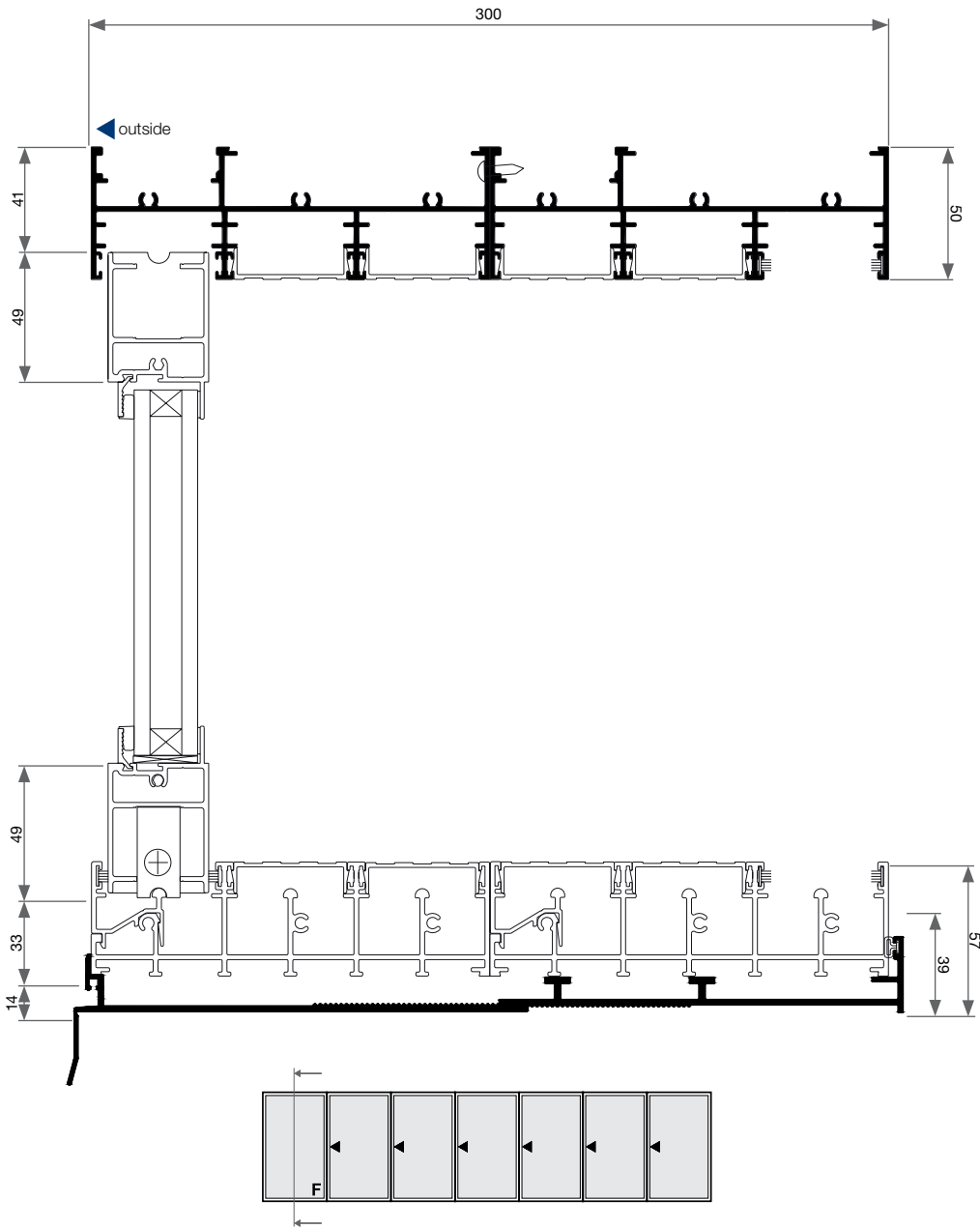
Windsor Sliding Stacker Doors - Cross Sectional View

Six Panel | 300mm Frame | Elevation



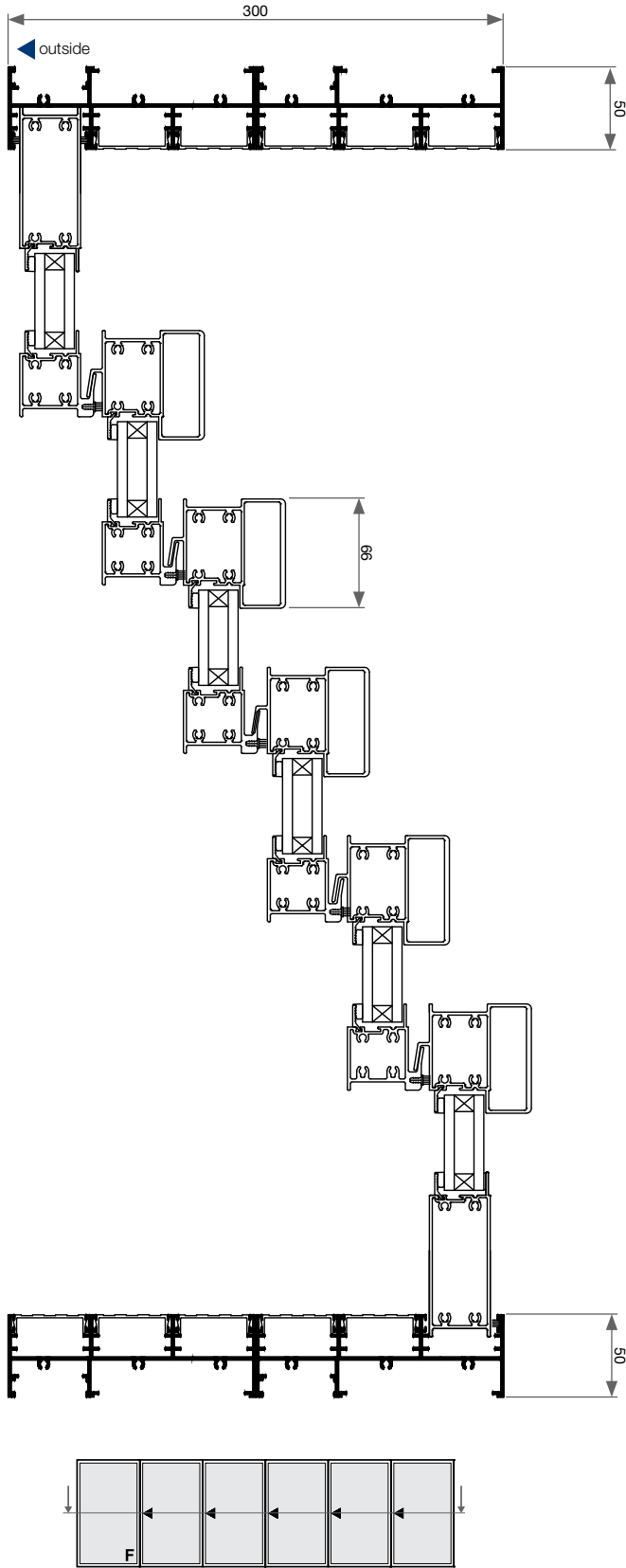
Windsor Sliding Stacker Doors - Cross Sectional View

Six Panel | 300mm Frame | Elevation



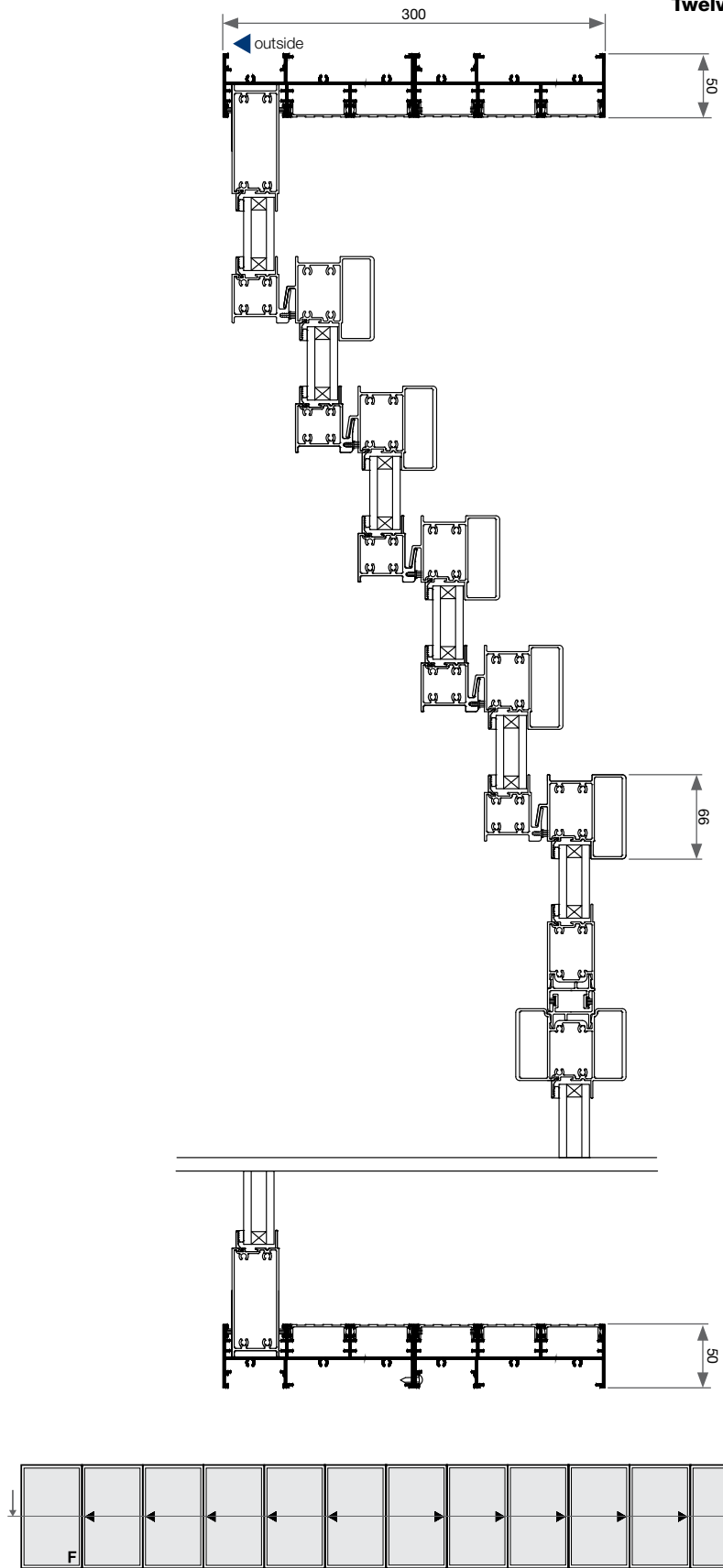
Windsor Sliding Stacker Doors - Cross Sectional View

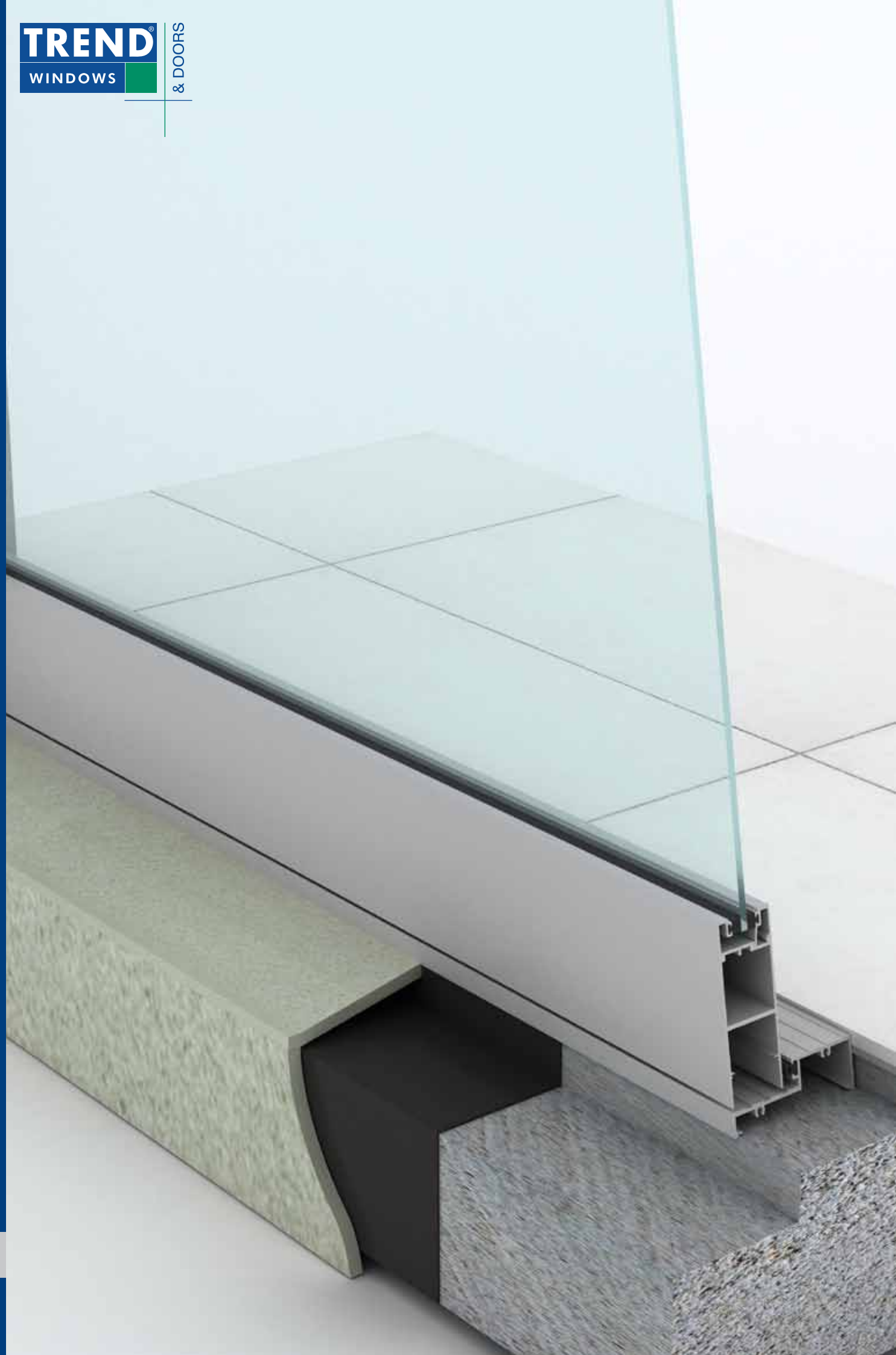
Six Panel | 300mm Frame | Plan



Windsor Sliding Stacker Doors - Cross Sectional View

Twelve Panel | 300mm Frame | Plan





Crestlite® Hinge Door Features & Benefits

Hinge Door - Features & Benefits

FRAME

- Single or paired doors are available.
- Robust 102mm commercial aluminium door frame.
- Inward or outward doors are available.

PANEL

- Door panels - 65mm rounded profile on rails and stiles and can be revealed.
- Stiles are available in 65mm or 115mm.
- Mid rail options of 50mm or 115mm are available.
- Optional 50mm glue on bars also available.
- Standard 65mm stiles can be supplied with 115mm midrail option.

SILL

-

GLAZING & ENERGY EFFICIENCY

- All Trend® Windows and Doors comply with AS2047.
- Glazing options from 5mm toughened glazed to 12.38m thickness.
- Frame contains deep pockets allowing for greater overlapping strength of glass.
- Secure captive wedge used for glazing frames.
- Thermashield option up to 18mm is available.
- Energy efficiency options available to help reduce 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.



Note: To obtain maximum rating detail contact your nearest Trend Architectural Consultant.

Hinge Door - 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 AS2047.
- Pascal deflection rates up to 2200Pa.
- Hinge door rated at an air infiltration of 1.00L/s m² (the National Construction Code (NCC) for Air conditioned spaces of 1.00L/s m²) perfect for both air conditioned and non-air conditioned spaces.

HARDWARE

- Stainless steel hinges are supplied as standard.
- Closers and specialised handles are available.
- Infinity** black hardware is supplied as standard.
- Optional colours available
 - Pearl White
 - Stone Beige
 - Anodic Natural Matt
- Door locks can be keyed alike to other Trend®

INSTALLATION

- Installation must be carried out by an authorised Trend Windows & Doors installer.

FINISHES

- Wide range of powdercoat finishes are available (including warranty powders and anodised options).



Crestlite® Hinge Door Installation

Hinge Door - Installation

Building In Detail | **Blockwork - No Rebate with Sub Sill**



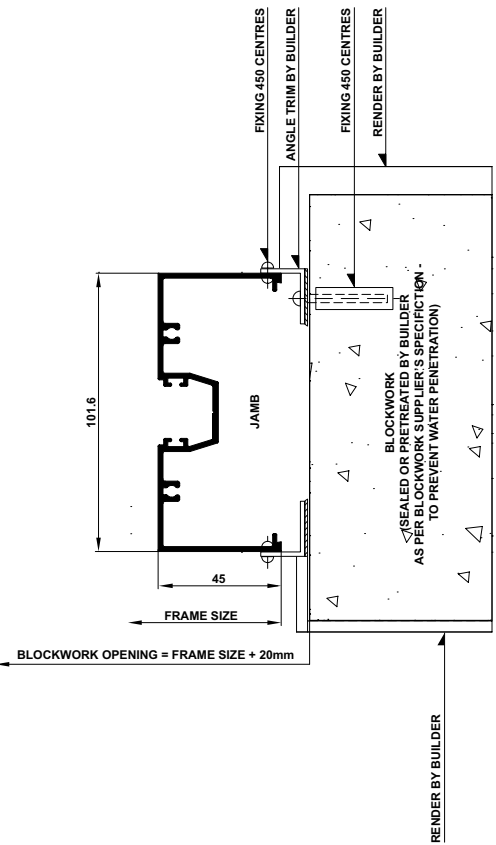
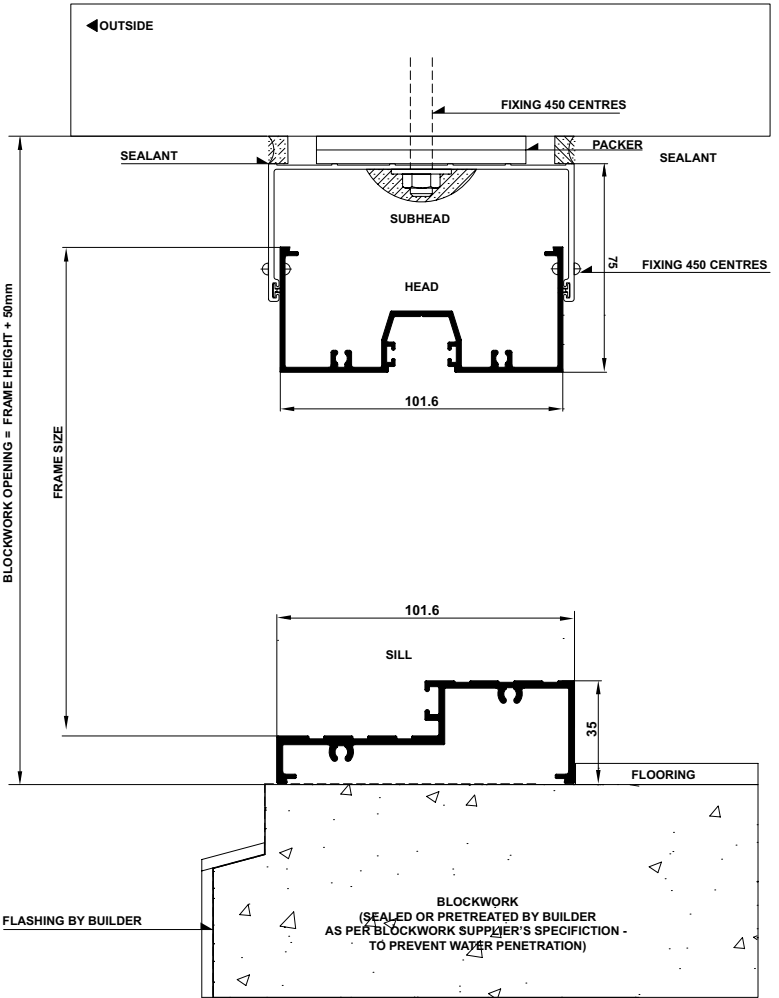
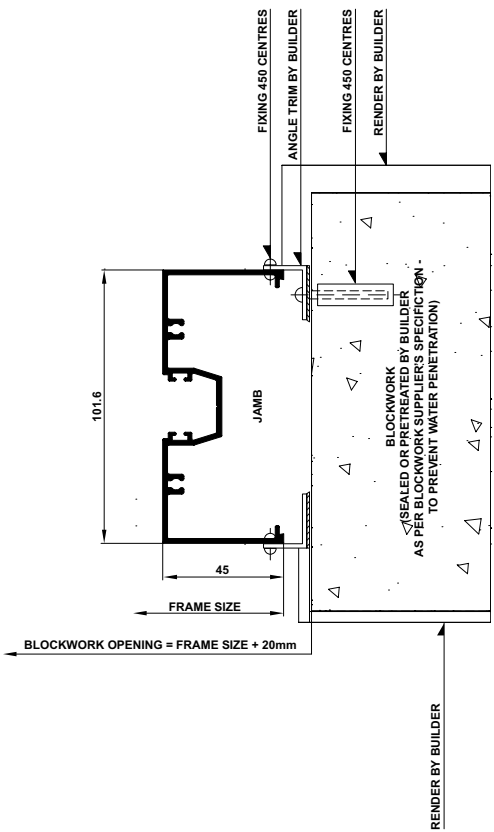
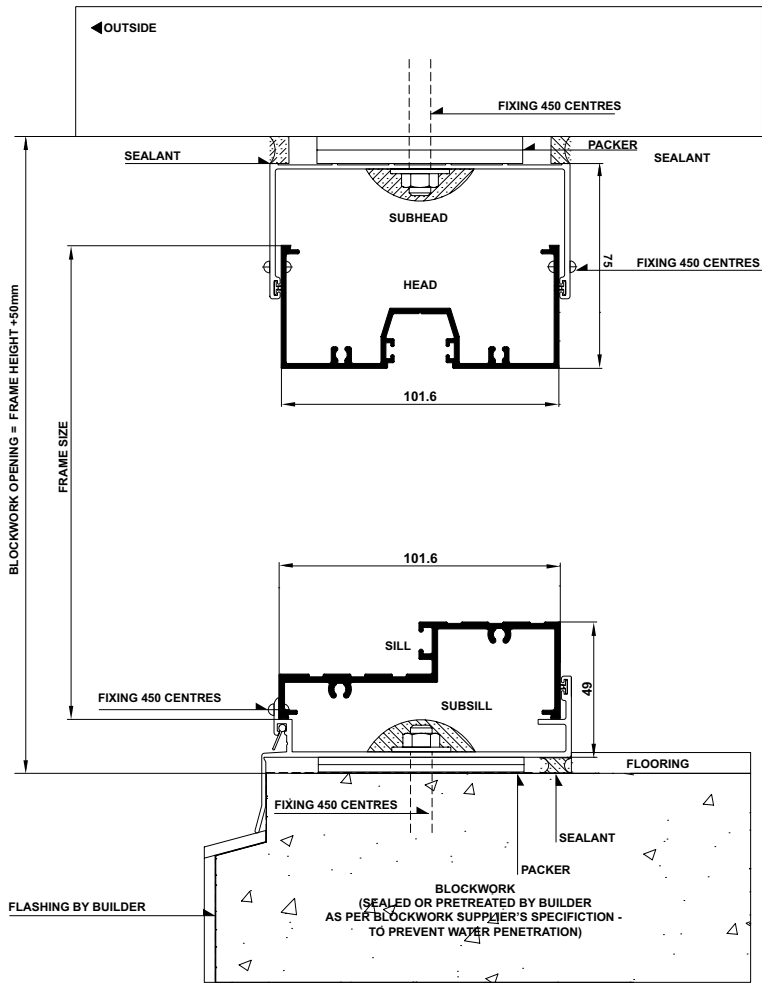
INSTALLING FRAME CORRECTLY

- Measure the frame opening to ensure that there is sufficient room for the product and additional packing.
- Blockwork Opening:**
Height = Frame Height + 50mm
Width = Frame Size + 20mm
- Header beam should be at least 12mm clear of window frame.
 - 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.



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 + 50mm
Width = Frame Size + 20mm
- Header beam should be at least 12mm clear of window frame.
 - 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

Please note that drawings displayed are not to scale

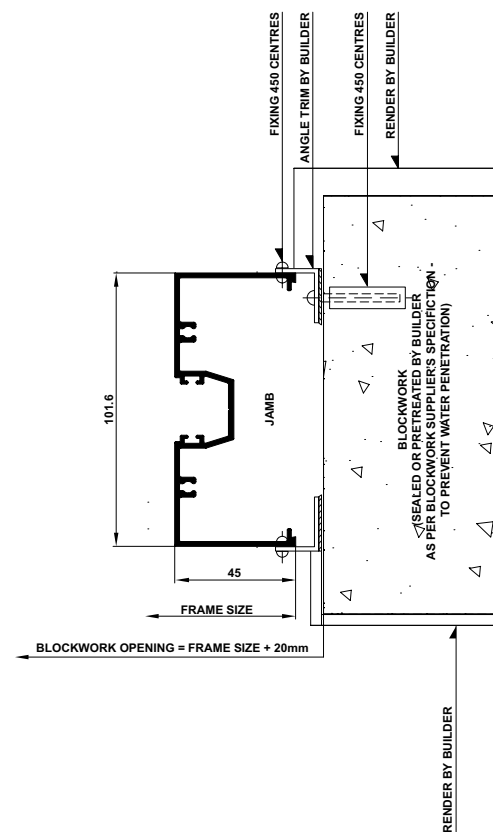
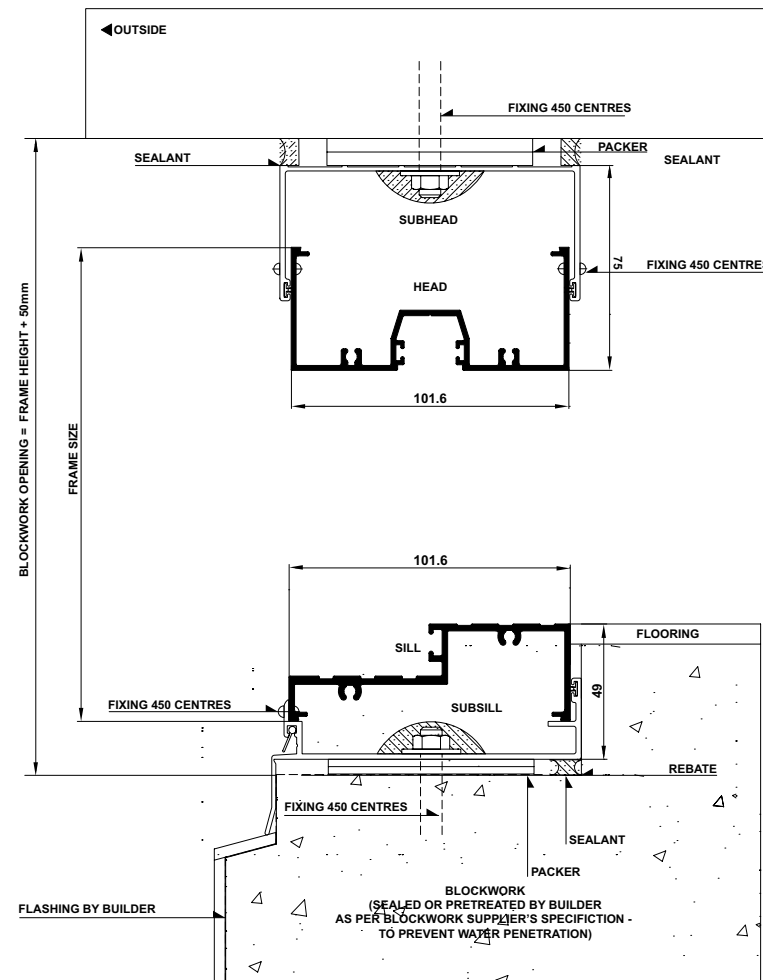
Hinge Door - Installation

Building In Detail | **Blockwork - Rebate with Sub Sill**



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 + 50mm
Width = Frame Size + 20mm
- Header beam should be at least 12mm clear of window frame.
 - 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

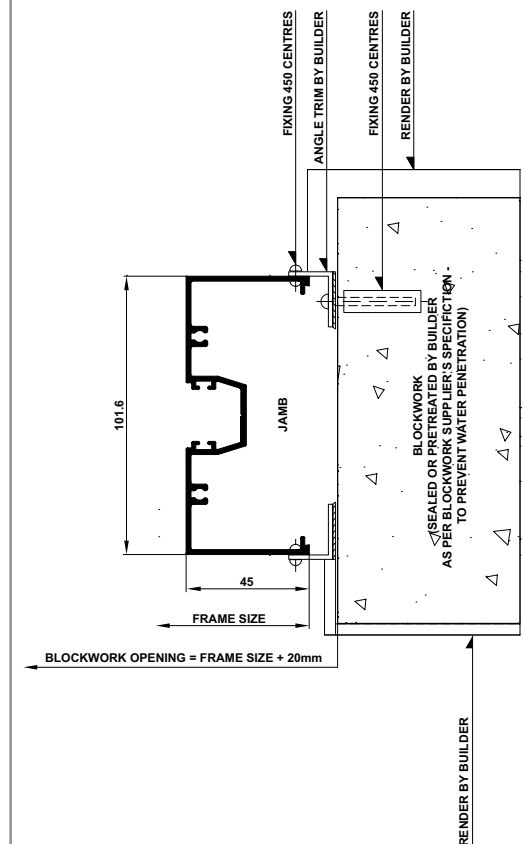
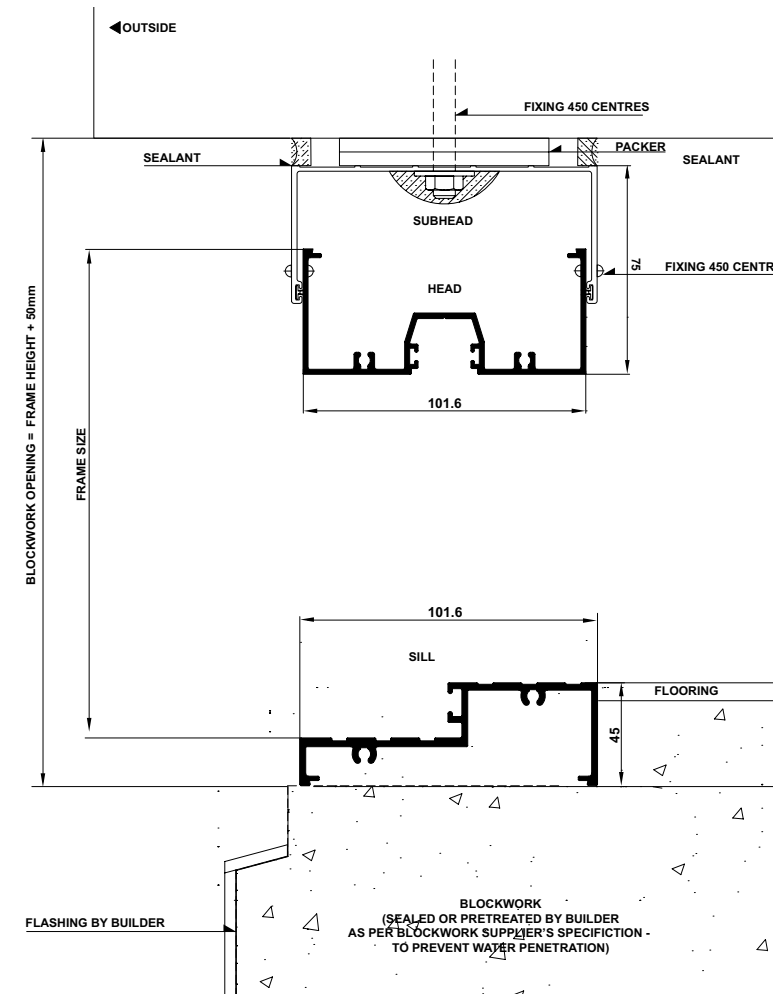
Hinge Door - Installation

Building In Detail | **Blockwork - Rebate with no Sub Sill**



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 + 50mm
Width = Frame Size + 20mm
- Header beam should be at least 12mm clear of window frame.
 - 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.

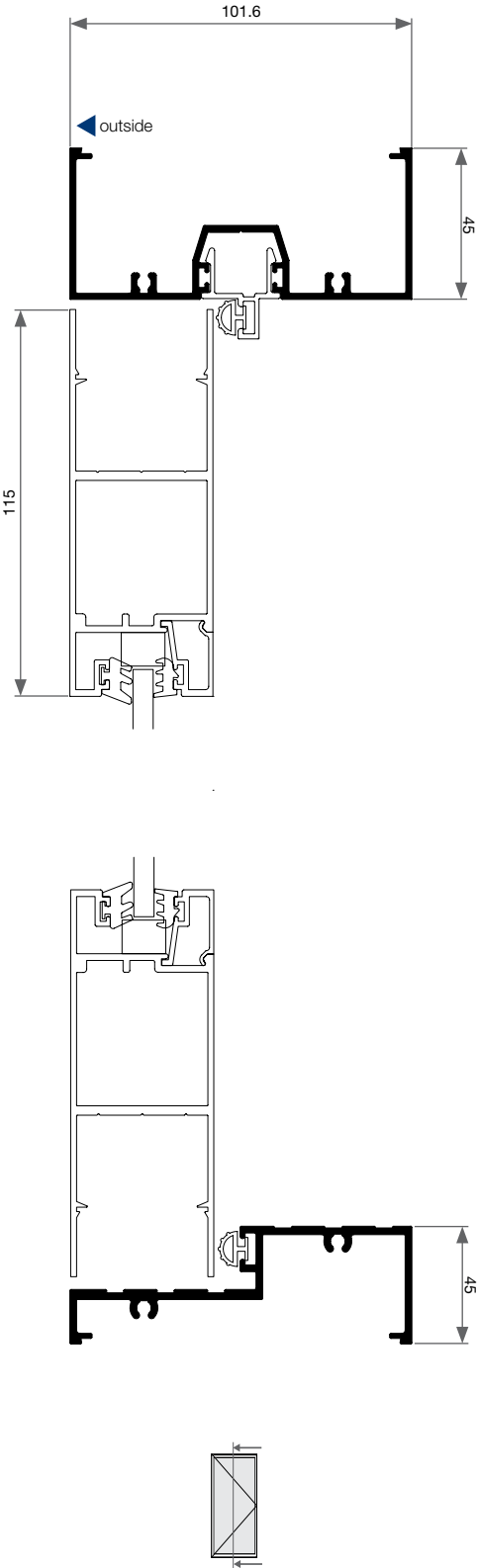


Please note that drawings displayed are not to scale

Crestlite® Hinge Door Cross Sectional Views

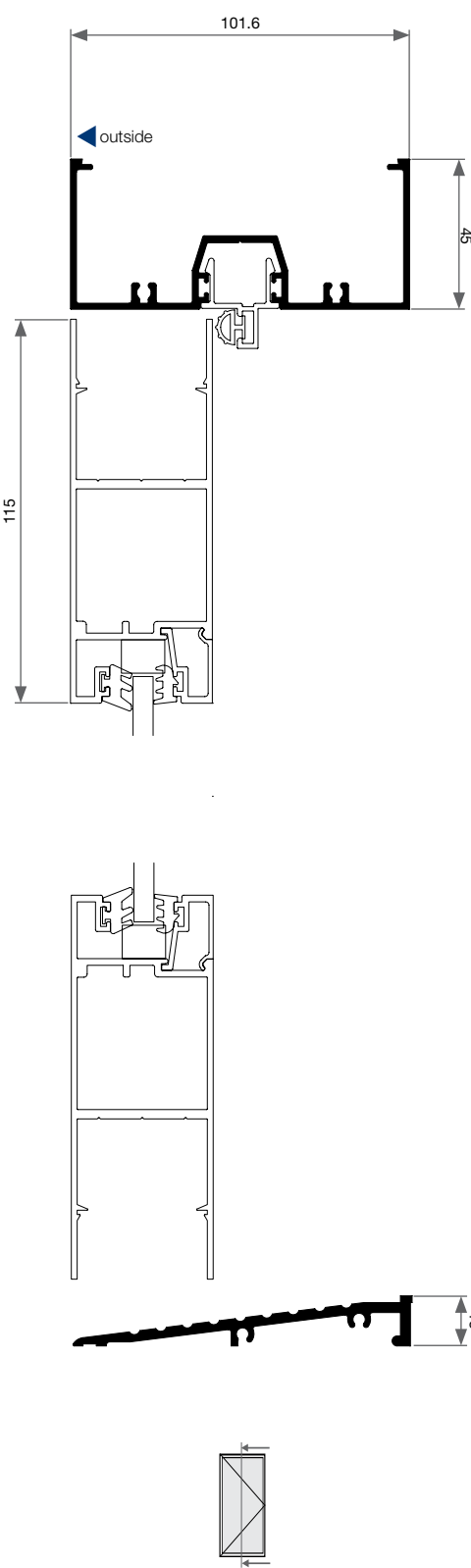
Hinge Door - Cross Sectional Views

Rebated Threshold



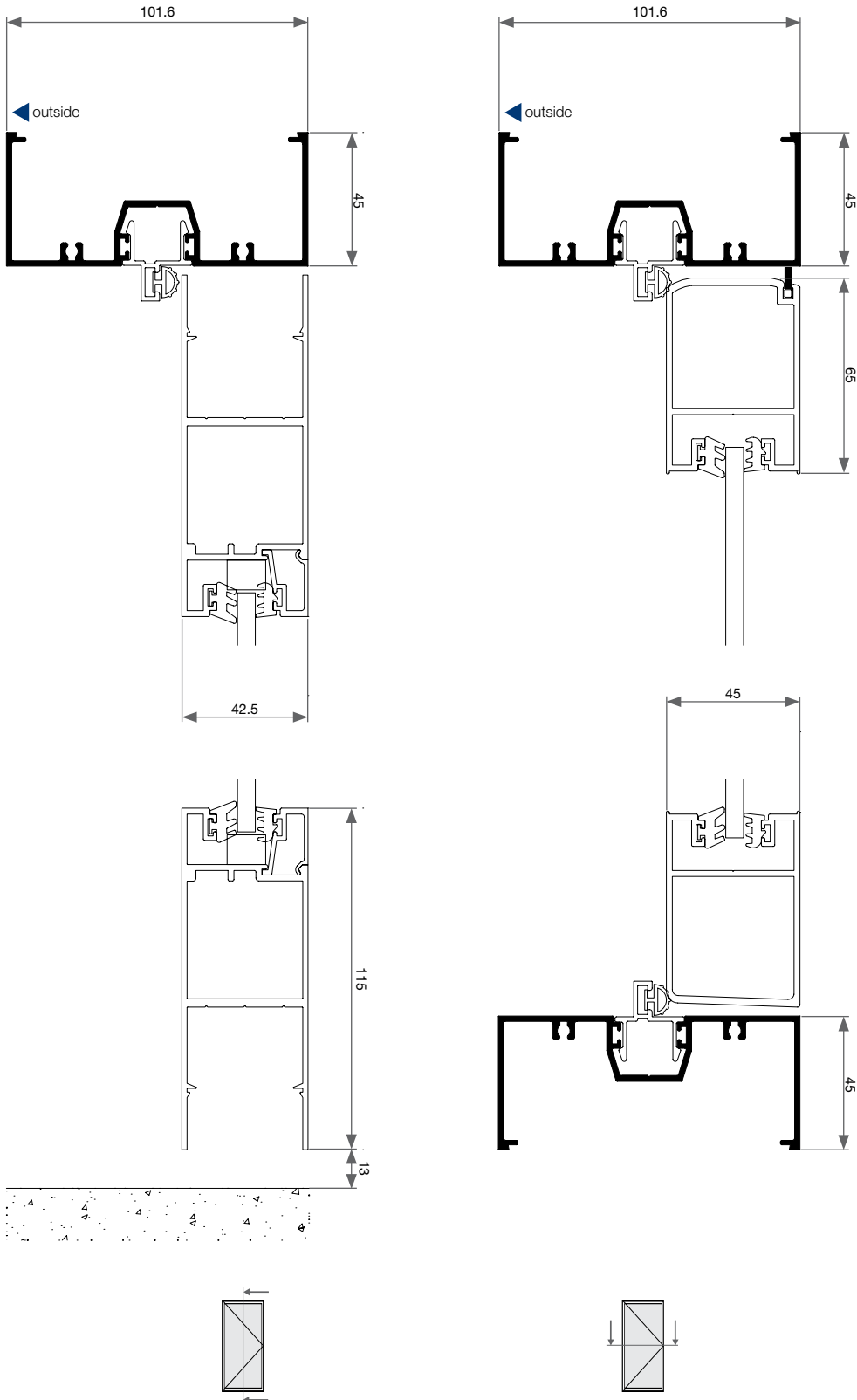
Hinge Door - Cross Sectional Views

Disabled Ramp Threshold



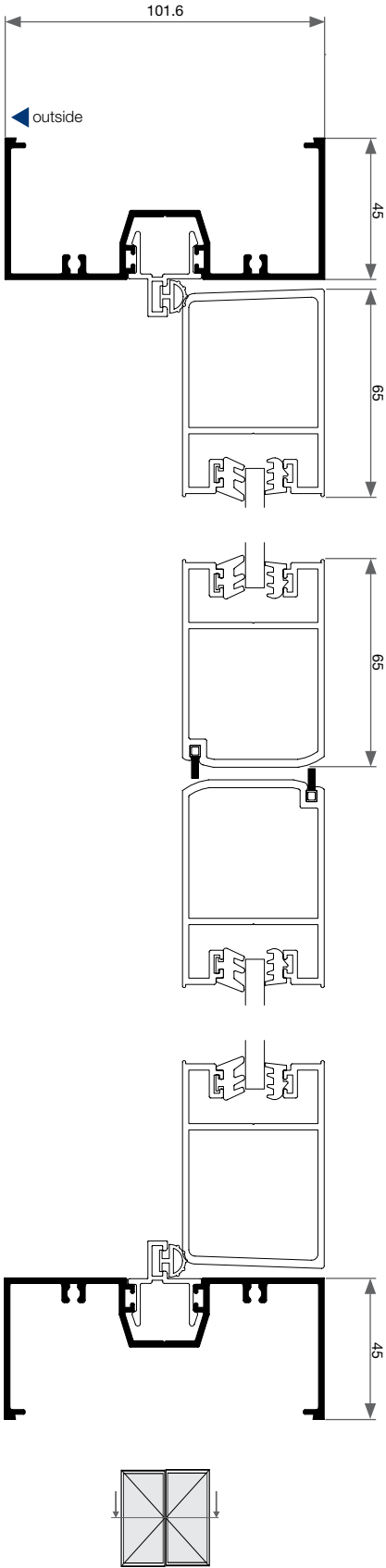
Hinge Door - Cross Sectional Views

Single - Open In | No Sill



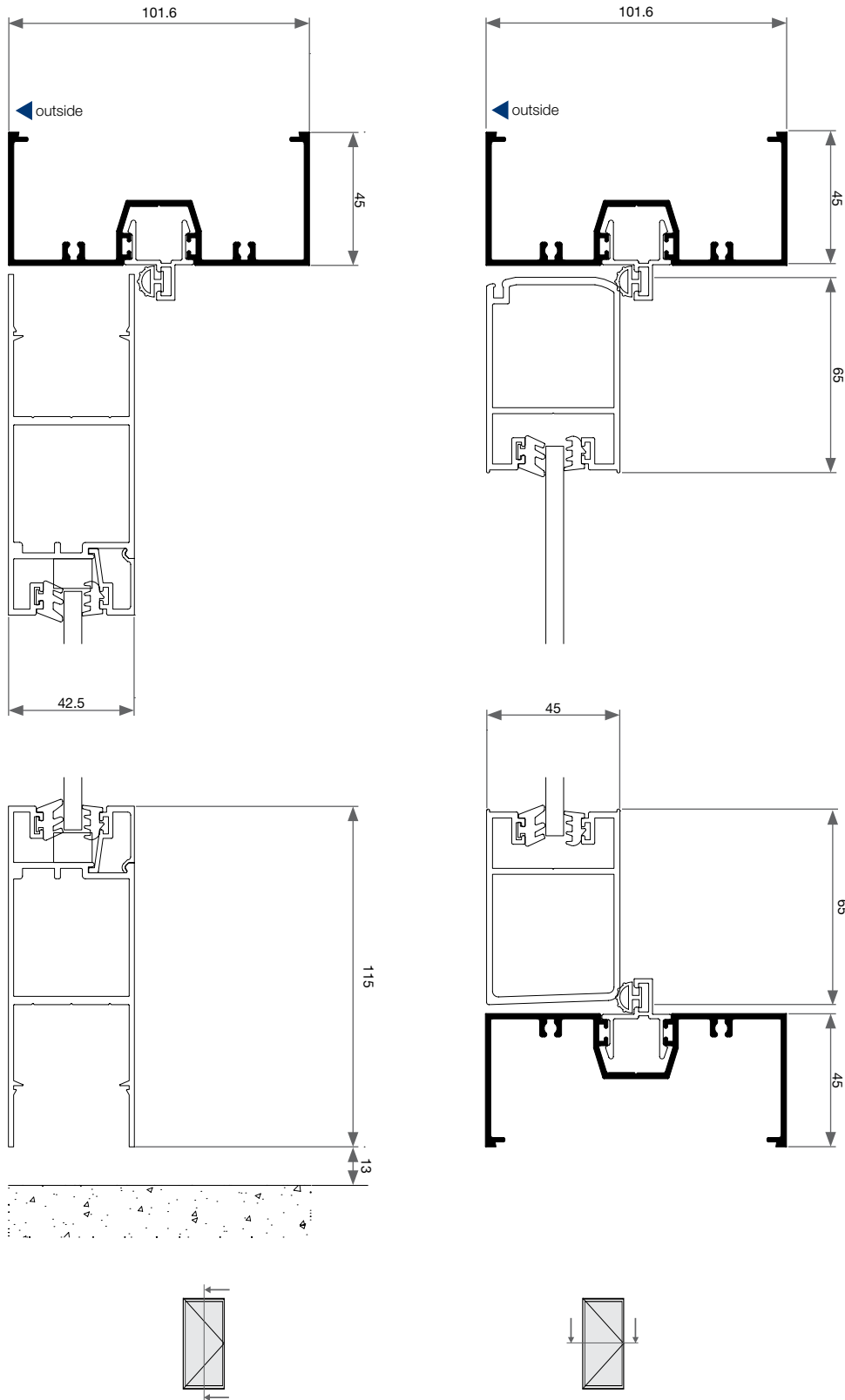
Hinge Door - Cross Sectional Views

Pair - Open In



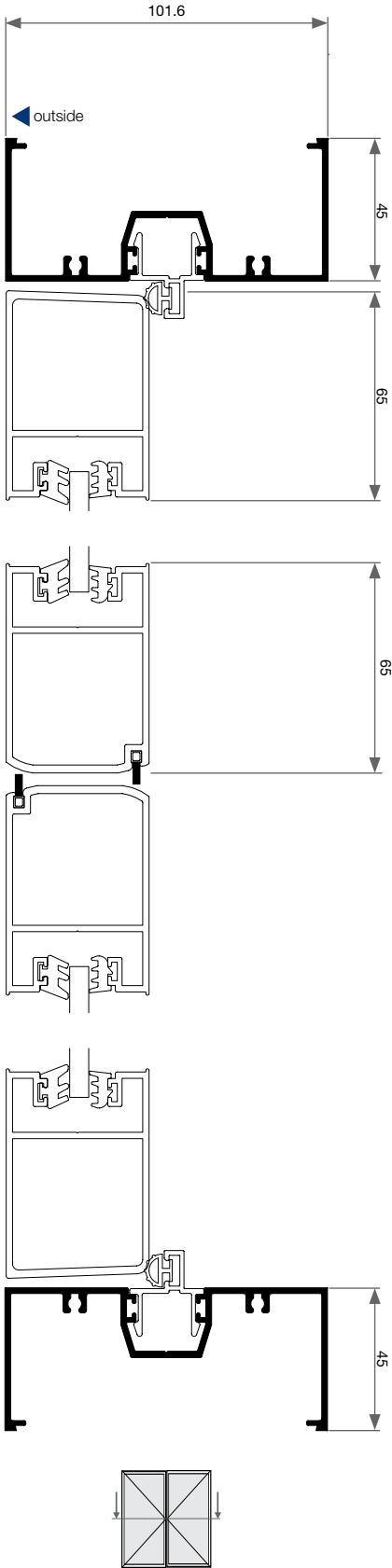
Hinge Door - Cross Sectional Views

Single - Open Out | No Sill



Hinge Door - Cross Sectional Views

Pair - Open Out



Crestlite® Pivot Door Features & Benefits

Pivot Door - Features & Benefits

FRAME

- Single or paired doors are available.
- Robust 102mm commercial aluminium door frame.
- Inward, outward or both types of doors are available.

PANEL

- Door panels - 65mm rounded profile on rails and stiles and can be revealed.
- Stiles are available in 65mm or 115mm.
- Mid rail options of 50mm or 115mm are available.
- Optional 50mm glue on bars also available.
- Standard 65mm stiles can be supplied with 115mm midrail option.

SILL

- Sill threshold complies with disability standards under AS1428.
- Variety of thresholds available.

GLAZING & ENERGY EFFICIENCY

- All Trend® Windows and Doors comply with AS2047.
- Glazing options from 5mm toughened glazed to 12.38m thickness.
- Frame contains deep pockets allowing for greater overlapping strength of glass.
- Secure captive wedge used for glazing frames.
- Energy efficiency options available to help reduce 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.



Note: To obtain maximum rating detail contact your nearest Trend Architectural Consultant.

Pivot Door - 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 AS2047.
- Pascal deflection rates up to 2200Pa.

HARDWARE

- Specialised handles are available.
- Infinity** black hardware is supplied as standard.
- Door locks can be keyed alike to other Trend®

INSTALLATION

- Installation must be carried out by an authorised Trend Windows & Doors installer.

FINISHES

- Wide range of powdercoat finishes are available (including warranty powders and anodised options).



Crestlite® Pivot Door Installation



Pivot Door - Installation

Building In Detail | **Blockwork - No Sill**



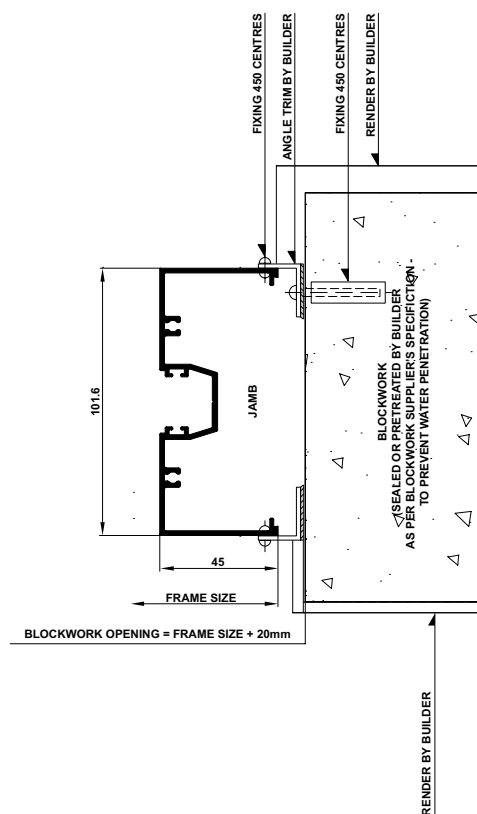
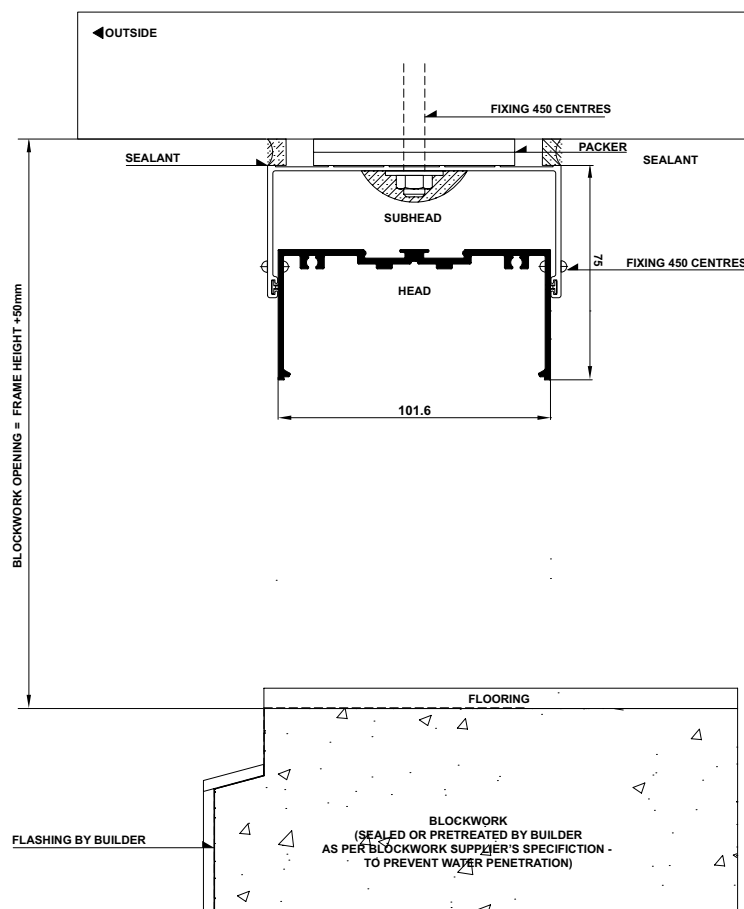
INSTALLING FRAME CORRECTLY

- 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.

Blockwork Opening:

Height = Frame Size + 50mm
Width = Frame Size + 20mm

- 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.



Pivot Door - Installation

Building In Detail | **Blockwork - With Sill**



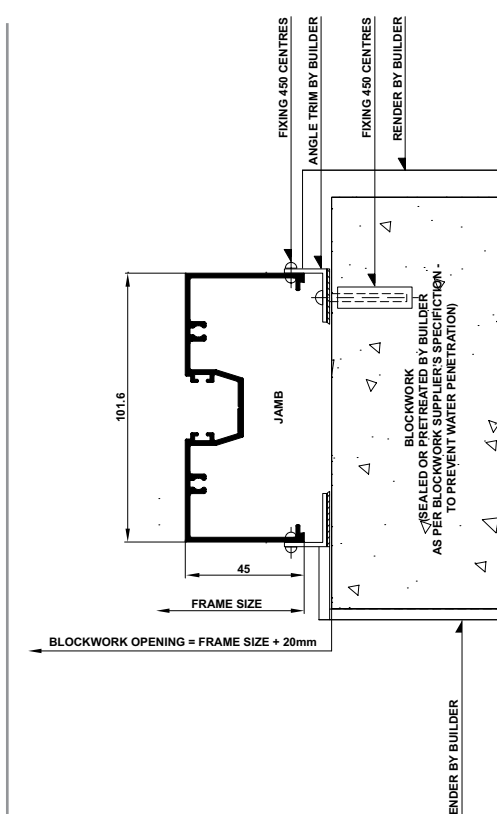
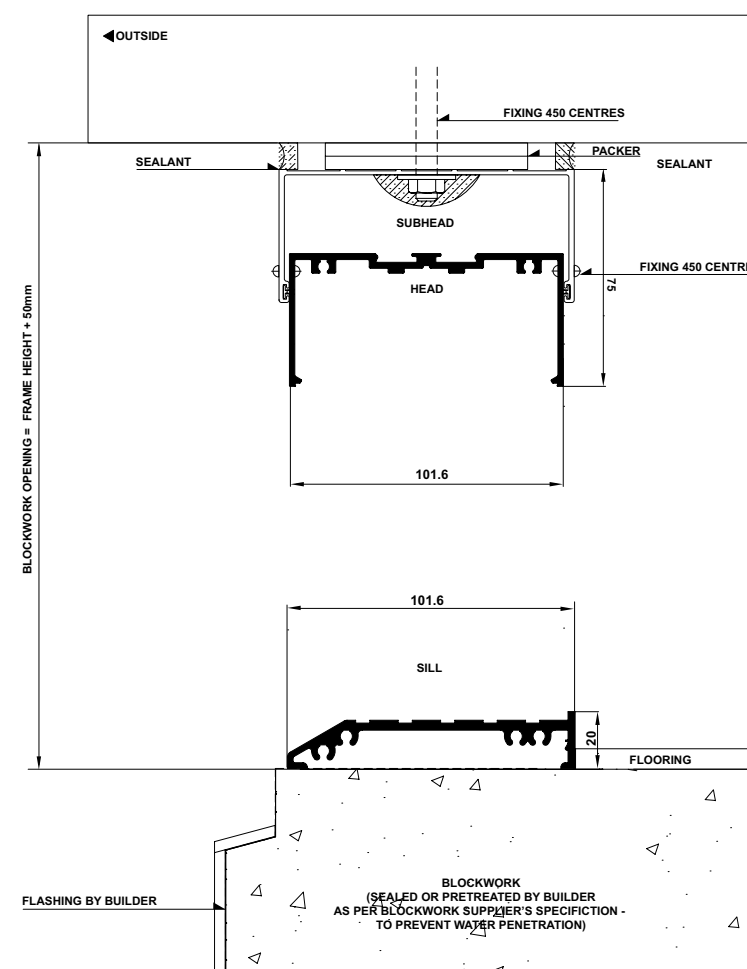
INSTALLING FRAME CORRECTLY

- 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.

Blockwork Opening:

Height = Frame Size + 50mm
Width = Frame Size + 20mm

- 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.



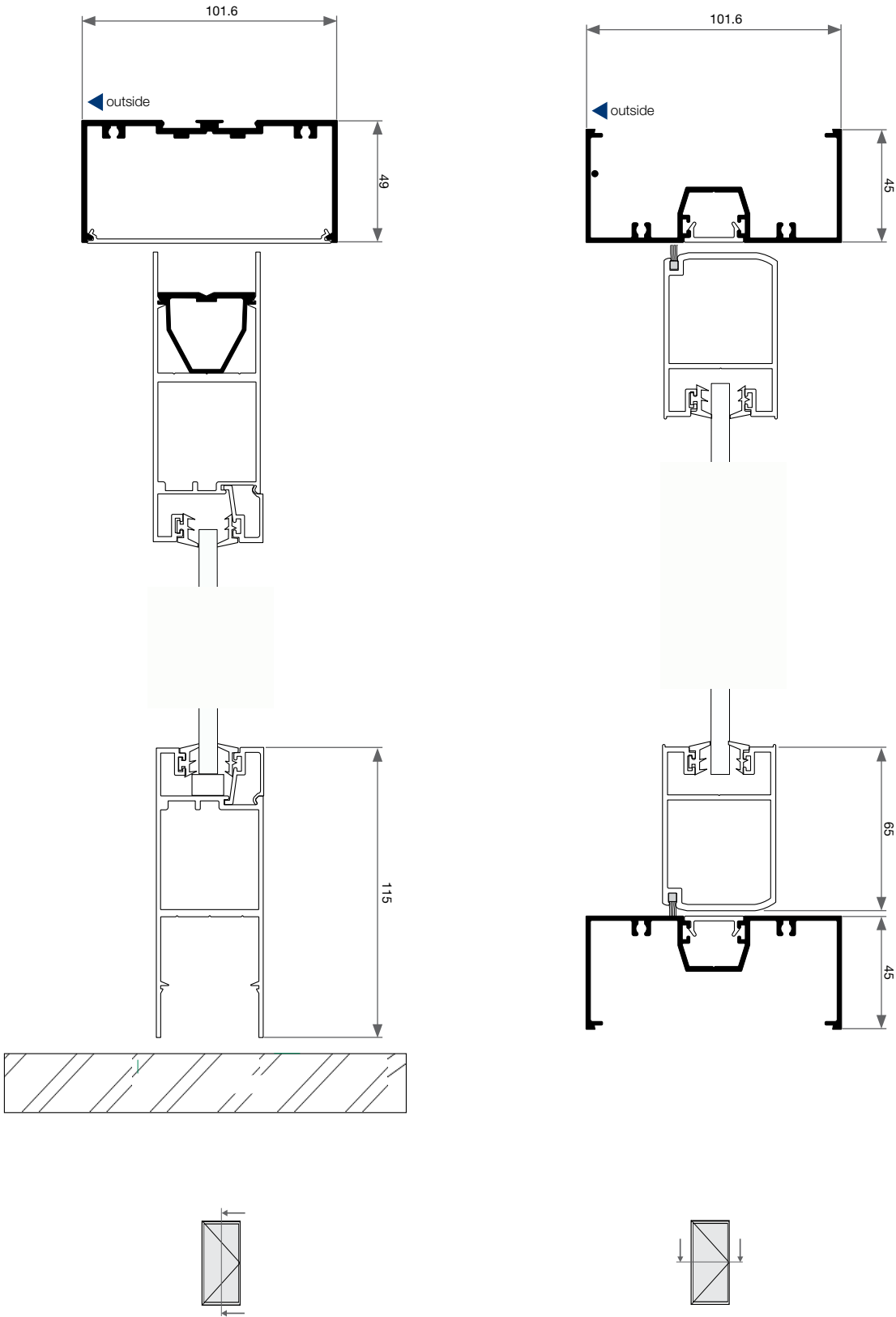


Crestlite® Pivot Door

Cross Sectional Views

Pivot Door - Cross Sectional Views

Single Open In | Elevation and Plan View

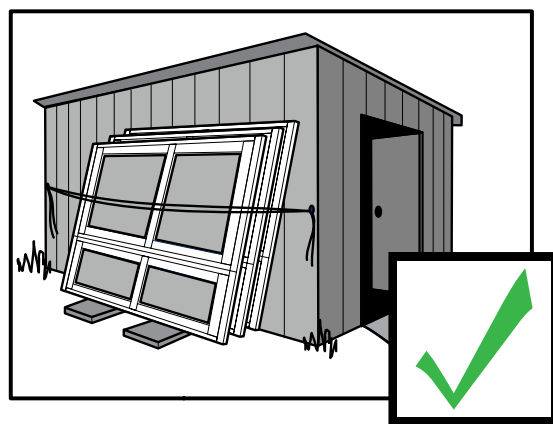
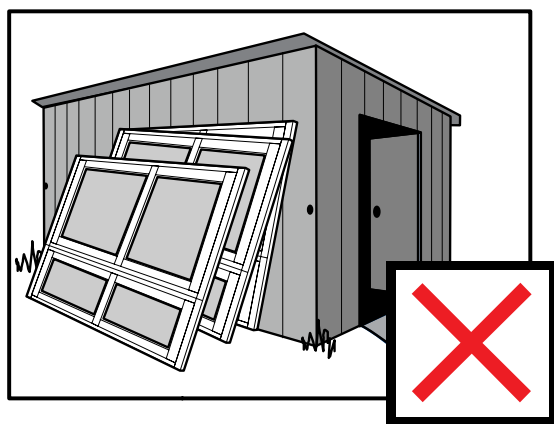




Crestlite® Care & Maintenance

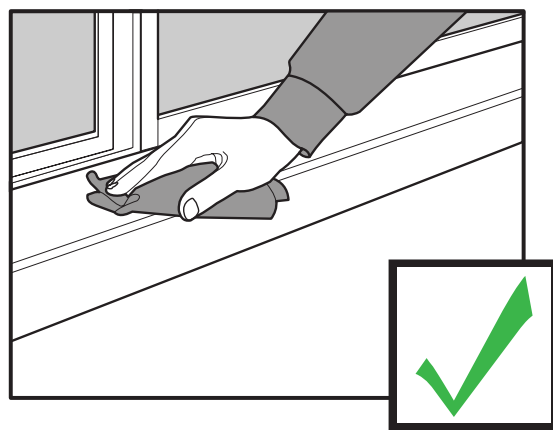
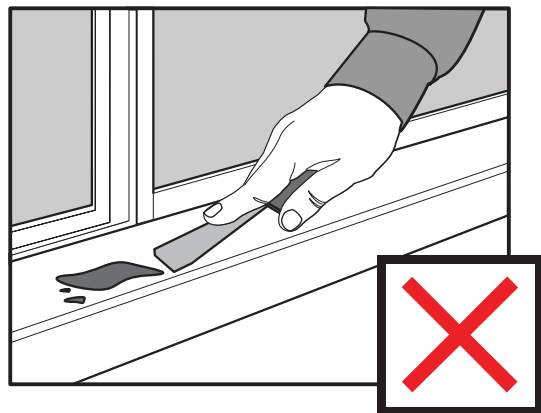
STORAGE

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.



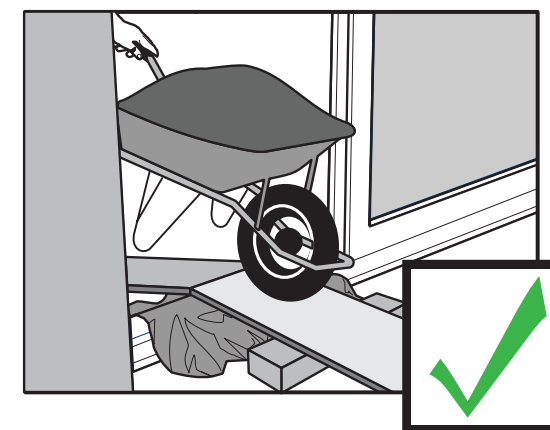
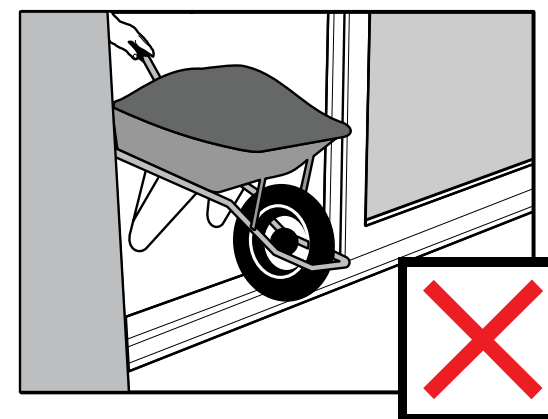
DEBRIS REMOVAL

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.



ON-SITE PROTECTION

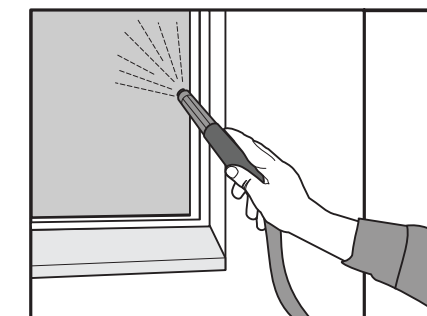
Door tracks and window sills should be protected from planks, scaffolding and barrows.



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 strippable 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 powder coated 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.



Trend® National Customer Assistance Centre

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

13 72 74

www.trendwindows.com.au

info@trendwindows.com.au