

SVG30/SVG83 (Twin Track) Product Manual

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Statics



SVG30/SVG83 (Twin Track)

TYPICAL SECTIONS

Max Height of Decking

Max F/F/L

DPC

Solid Fill

Cavity

Technical cross-section diagram of a window frame assembly. The diagram illustrates the internal structure, including the frame, sash, and glazing. Key dimensions are indicated:

- 118 (Total width of the frame assembly)
- 84 (Height of the frame assembly)
- 118 (Height of the frame assembly)
- Max Height of Decking (Indicated by a red line)
- Max F/F/L (Indicated by a red line)
- 65 (Height of the frame assembly)
- 6 (Thickness of the frame assembly)
- 190 (Width of the frame assembly)
- 99 (Width of the frame assembly)
- 30 (Width of the frame assembly)
- 25 (Height of the frame assembly)
- DPC (Drip Proof Course)
- Solid Fill Cavity (Indicated by a red hatched area)

Technical cross-section diagram of a window frame assembly. The diagram illustrates the internal structure, including the frame, sash, and glazing. Key dimensions and components are labeled:

- Dimensions:**
 - 118 (Total height of the frame assembly)
 - 66 (Height of the upper frame section)
 - 83 (Height of the lower frame section)
 - 6 (Thickness of the lower frame flange)
 - 190 (Width of the frame assembly)
 - 30 (Width of the lower frame flange)
 - 116 (Width of the frame assembly at the base)
 - 25 (Height of the lower frame flange)
- Components and Labels:**
 - Max Height of Decking:** Indicated by a red line on the left.
 - Max F/F/L:** Indicated by a red line on the right.
 - DPC:** Drainage Panel Channel, located at the bottom left.
 - Solid Fill:** Indicated by a red hatched area at the bottom right.
 - Cavity:** Indicated by a red hatched area at the bottom right.

Technical cross-section diagram of a double-glazed window assembly. The diagram illustrates the internal drainage system and structural components. Key dimensions and labels include:

- Dimensions:**
 - 118 (width of the upper frame section)
 - 66 (height of the upper frame section)
 - 58 (height of the lower frame section)
 - 6 (thickness of the lower frame section)
 - 30 (width of the drainage channel)
 - 116 (width of the lower frame section)
- Labels:**
 - Patio to Fall Into Drainage by Others
 - Max F/F/L
 - DPC (Drip Proofing)
 - Solid Fill Cavity

Note: All External Floor Finishes to be 10mm Back from Door Sash

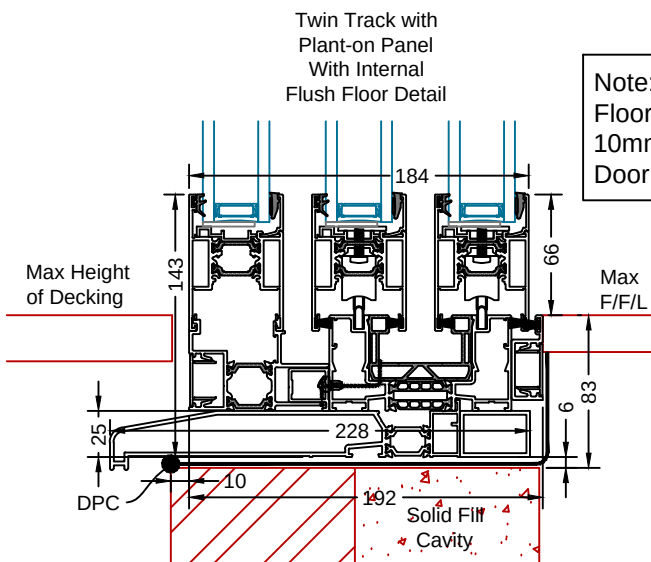
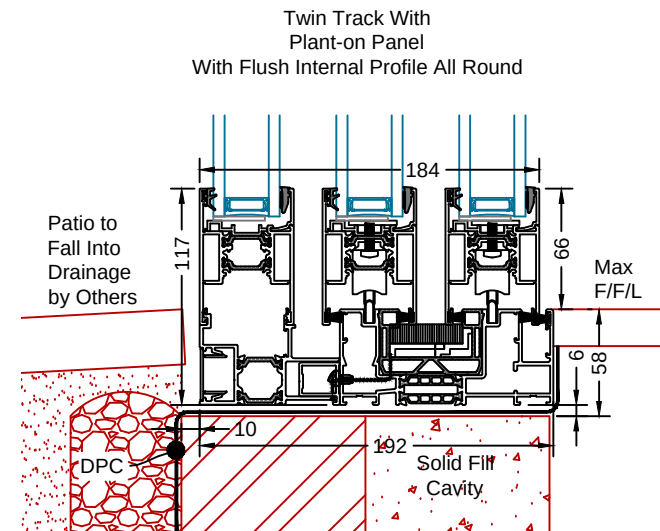
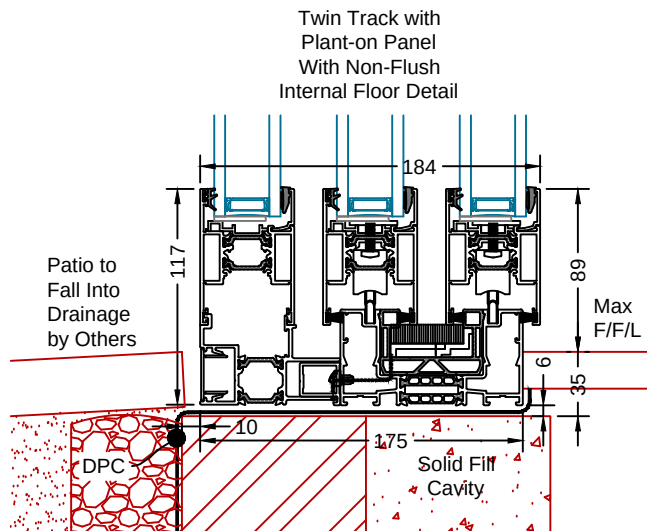
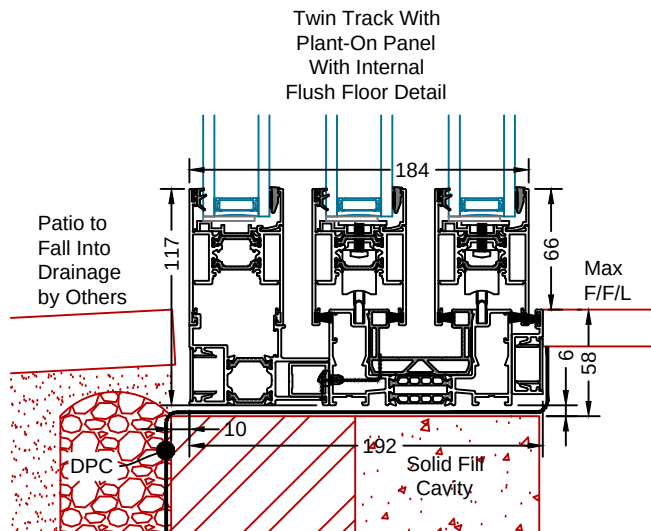
Technical cross-section diagram of a window installation. The diagram shows a window frame with two panes. Key dimensions and components are labeled:

- 118**: Dimension across the top of the window frame.
- 84**: Dimension from the top of the frame to the top of the sill.
- Max F/F/L**: Maximum Finish Floor Level, indicated by a horizontal line.
- 6**: Dimension from the Max F/F/L line to the top of the sill.
- 40**: Dimension from the top of the sill to the top of the base.
- 30**: Dimension from the left edge of the base to the center of the DPC.
- 99**: Dimension from the center of the DPC to the right edge of the base.
- DPC**: Dimpled Plastic Channel, shown as a black dot on the left side of the base.
- Solid Fill**: Indicated by a red triangle symbol in the base.
- Cavity**: Indicated by a red triangle symbol in the base.

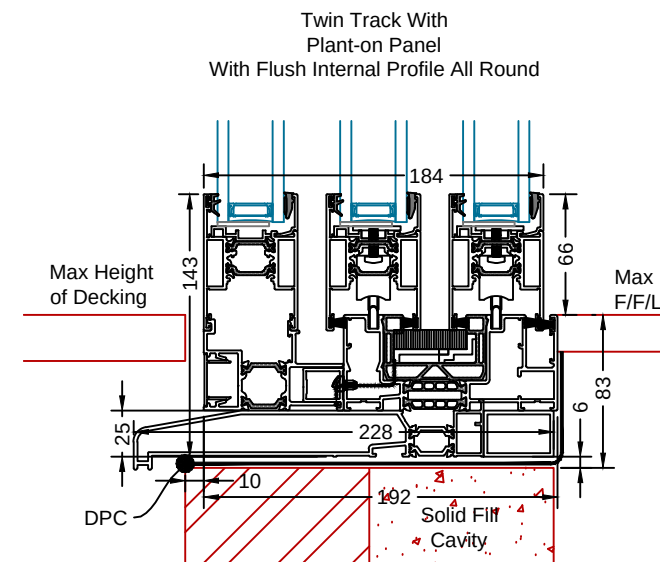
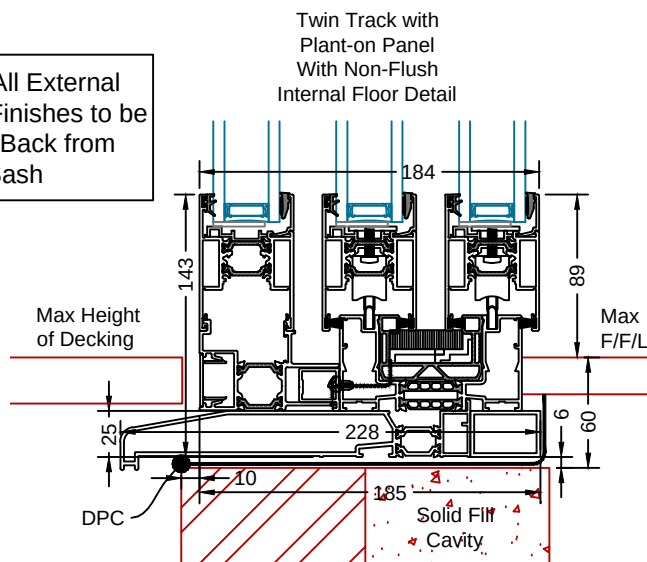
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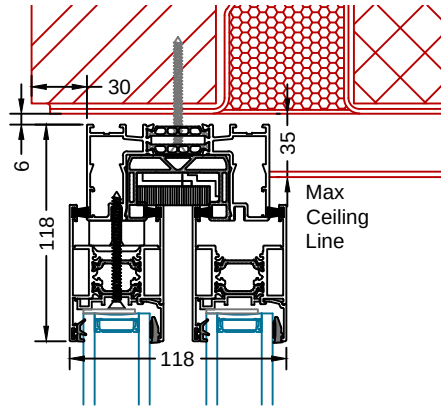
- back from sh**: Located in a box at the top left.
- Patio to Fall Into Drainage by Others**: Located on the left side, pointing to the area below the window.

Technical cross-section diagram of a window frame assembly. The diagram illustrates the internal structure, including the frame, sash, and glazing. Key dimensions are labeled: 118 (width of the frame opening), 66 (height of the frame opening), 58 (height of the frame opening), 6 (height of the frame opening), 116 (width of the frame opening), 30 (width of the frame opening), and 66 (height of the frame opening). The diagram also shows a 'Patio to Fall Into Drainage by Others' and a 'Max F/F/L' (Maximum Fall/Fall/L) dimension. The frame is labeled 'Solid Fill Cavity' and 'DPC' (Drip Cap).

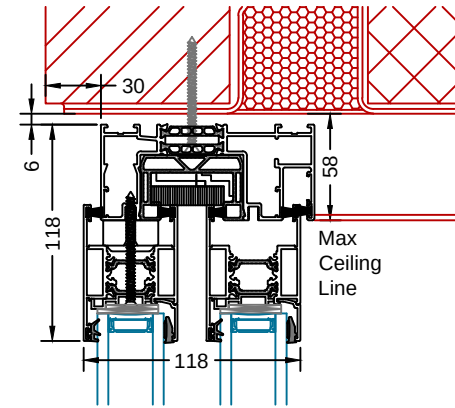


Note: All External
Floor Finishes to be
10mm Back from
Door Sash

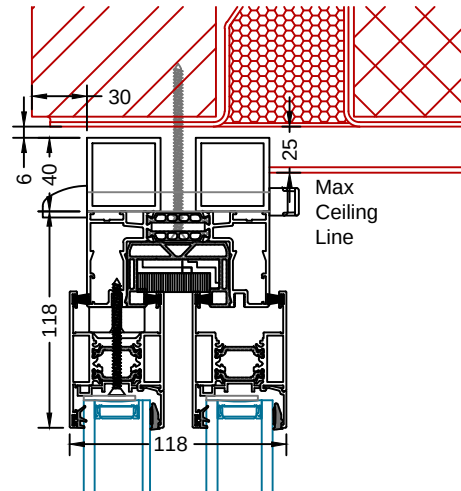




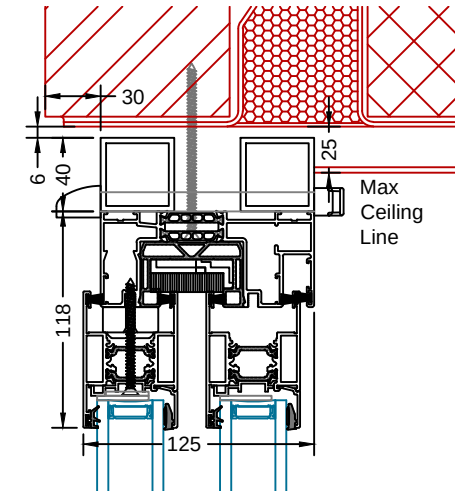
Twin Track



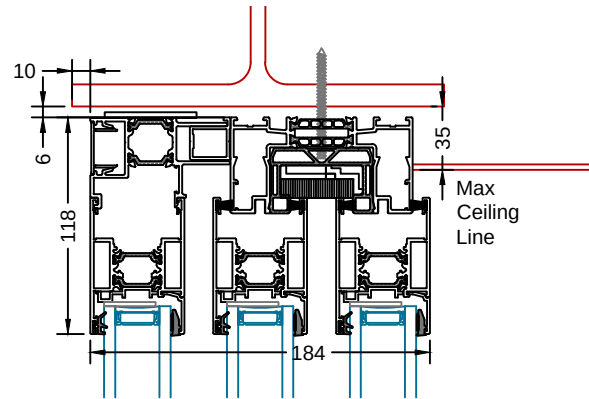
Twin Track
With Flush Internal Profile All Round



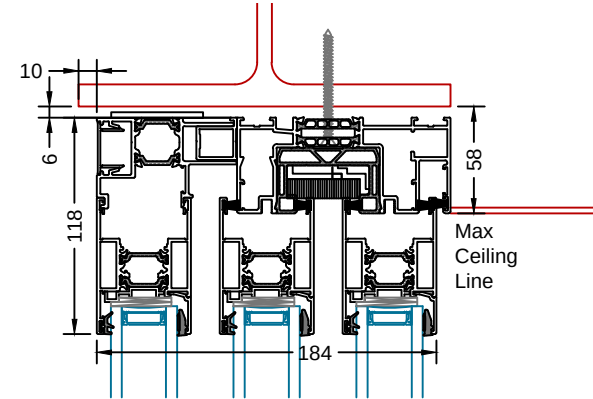
Twin Track
With Trickle Vent



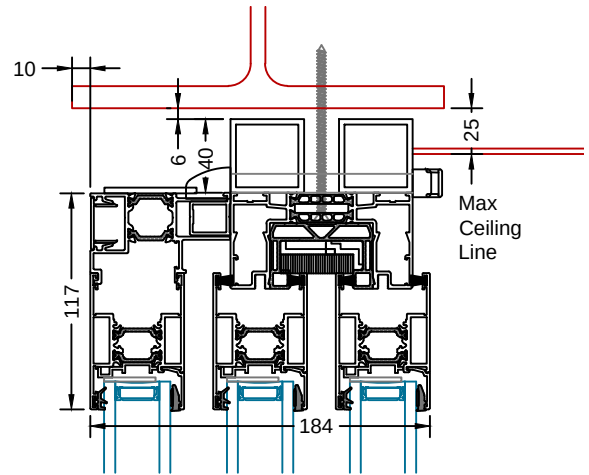
Twin Track
With Flush Internal Profile All Round
And Trickle Vent



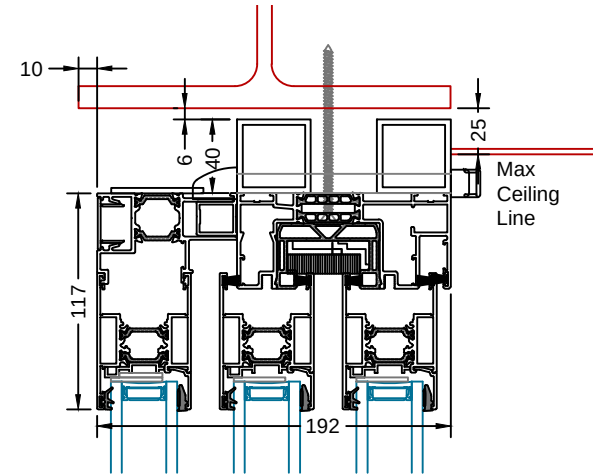
Twin Track with
Plant-on Panel



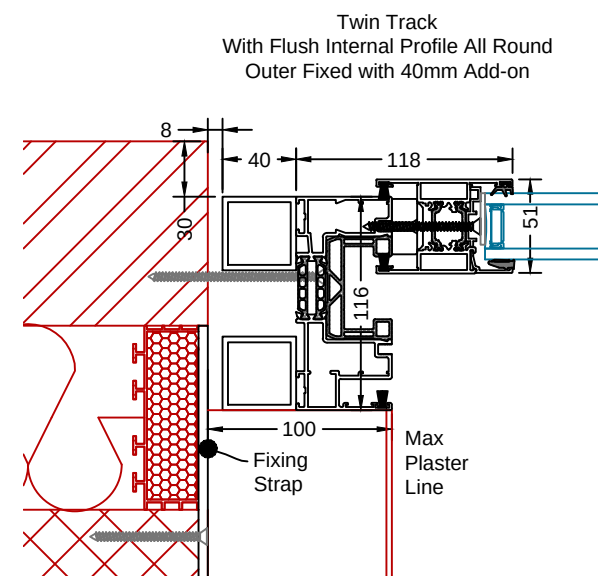
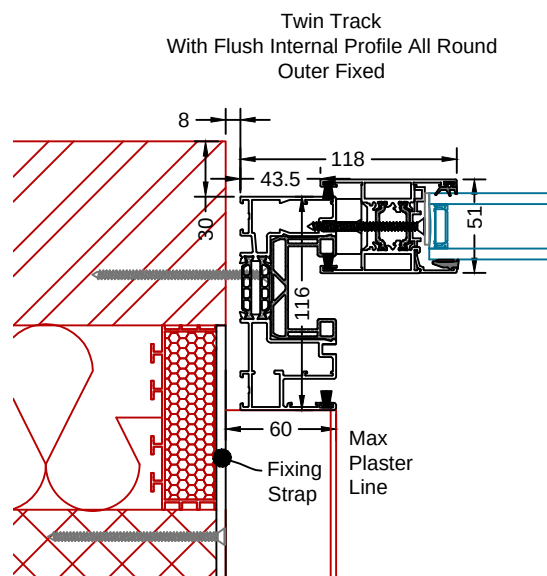
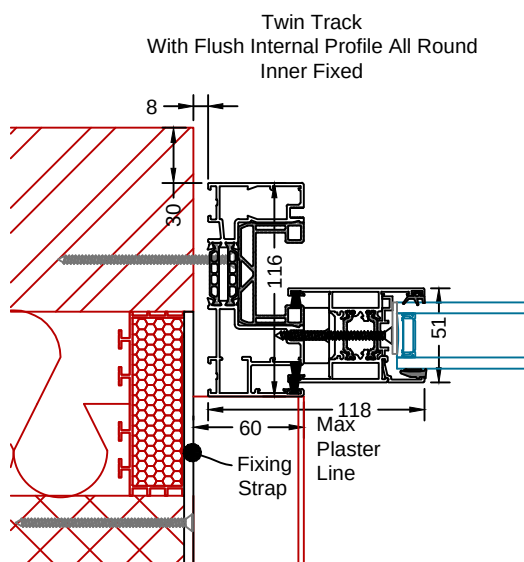
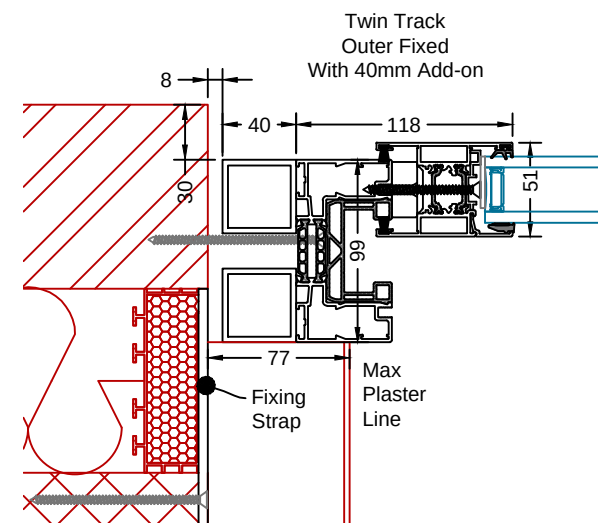
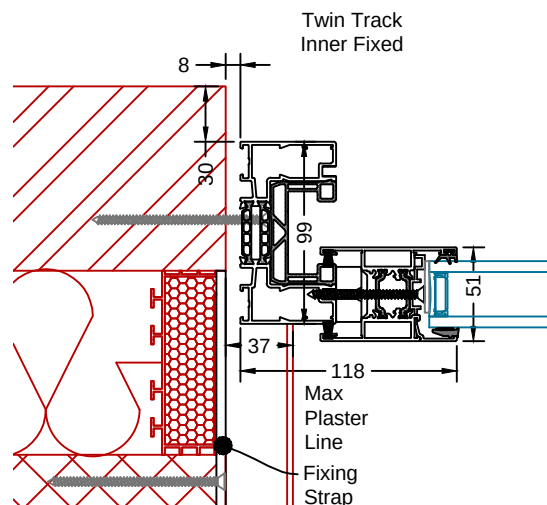
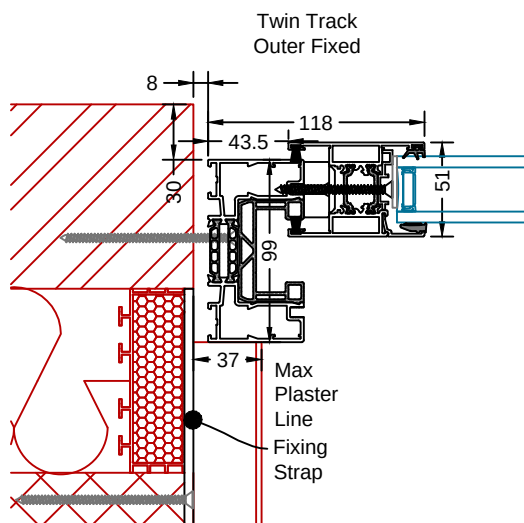
Twin Track And Plant-on Panel
With Flush Internal Profile All Round



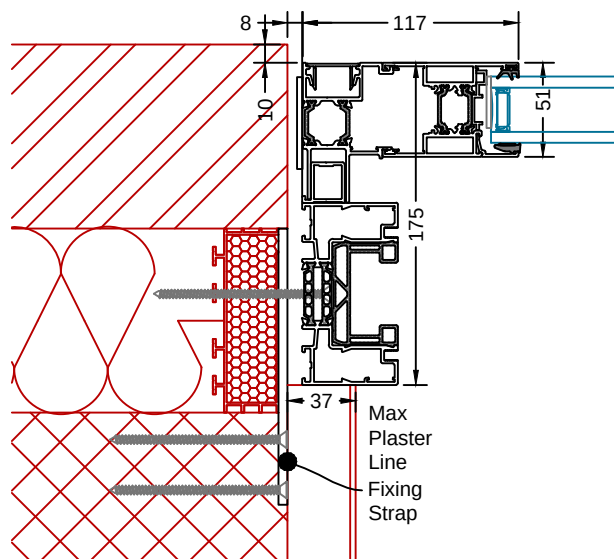
Twin Track And Plant-on Panel
With Trickle Vent



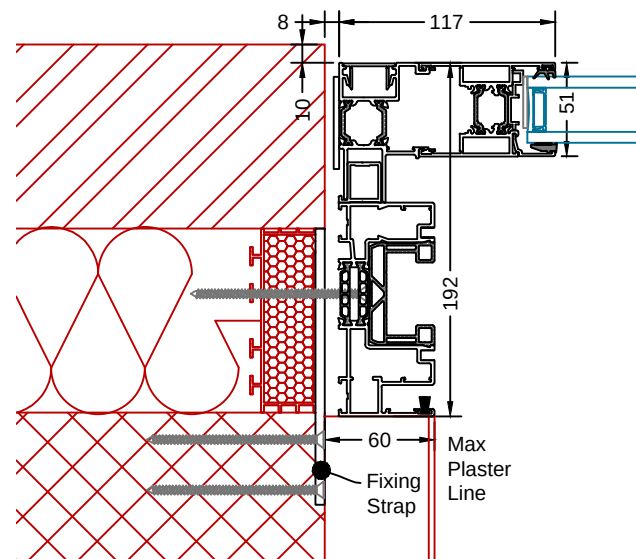
Twin Track And Plant-on Panel
With Flush Internal Profile All Round
And Trickle Vent



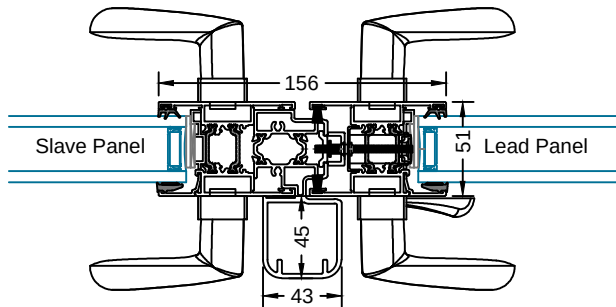
Twin Track with
Plant-on Panel



Twin Track And Plant-on Panel
With Flush Internal Profile All Round

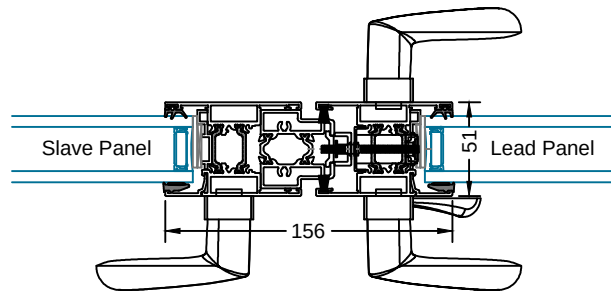


Centre Meeting
Closing Rebate
Reinforcement Profile
(‘D’ Shaped Handle Only)

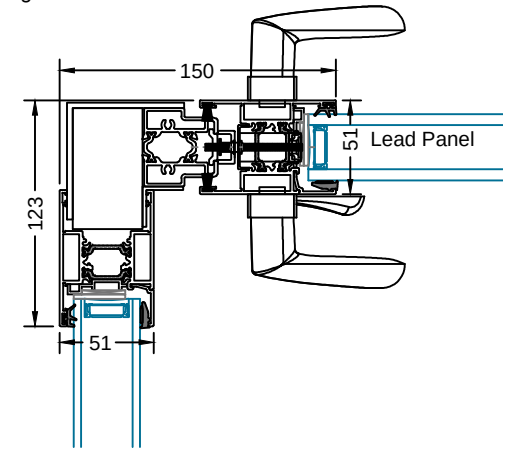


May Be Required In
Exposed Locations

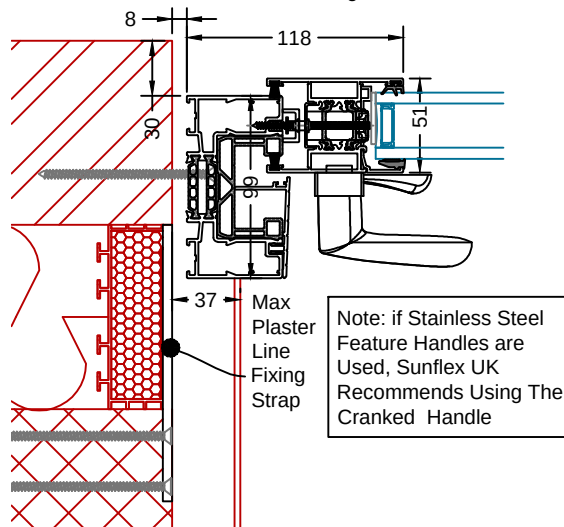
Centre Meeting
Closing Rebate



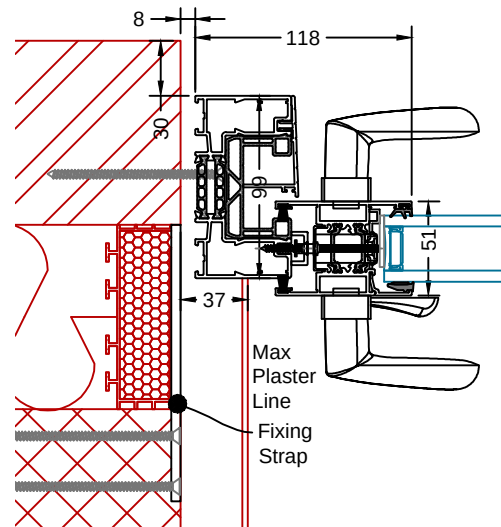
Centre Meeting
Closing Rebate 90°



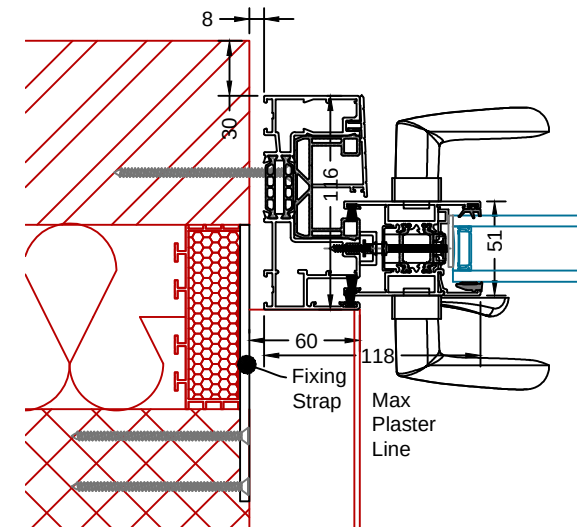
Twin Track
Outer Sliding



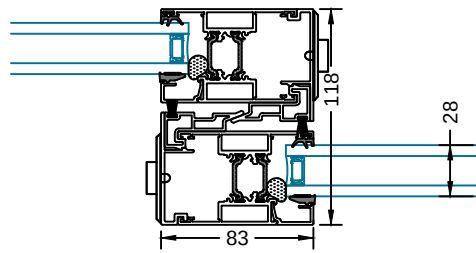
Twin Track
Inner Sliding



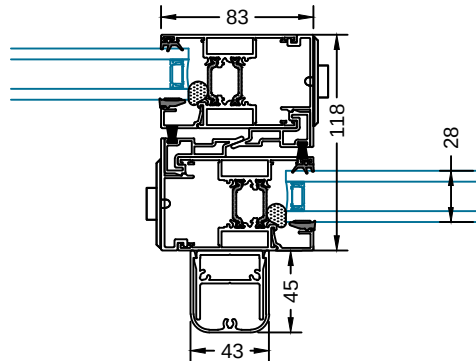
Twin Track
With Flush Internal Profile All Round
Inner Sliding



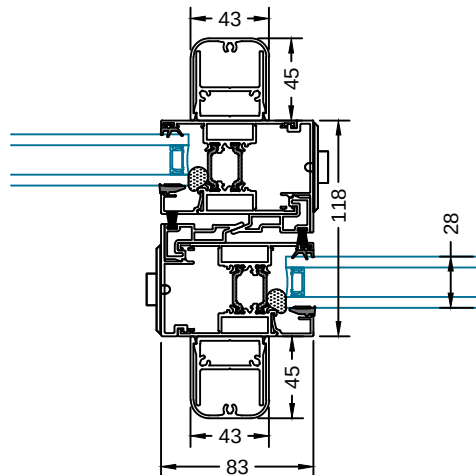
For Profile Limitations,
See Section E



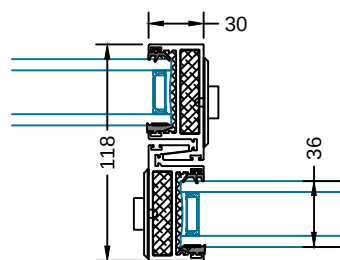
Standard Mullion



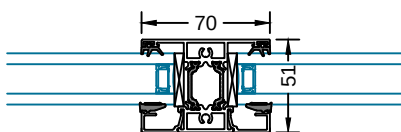
Standard Mullion
with Internal Reinforcement



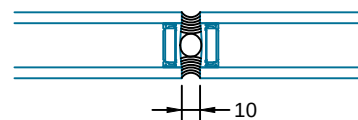
Standard Mullion
with Internal and External
Reinforcement



SVG30 Mullion

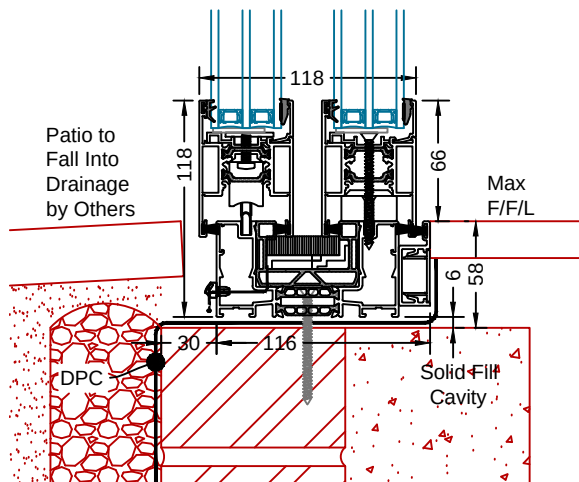


Door Sash
Mullion / Transom
(NOT Available On SVG30 Option)

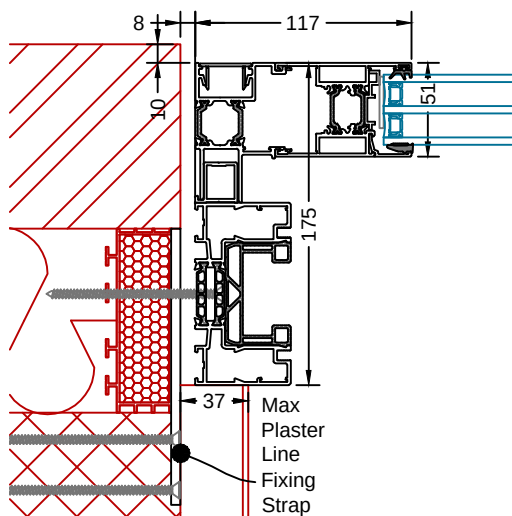


In-Line Glass to Glass Joint

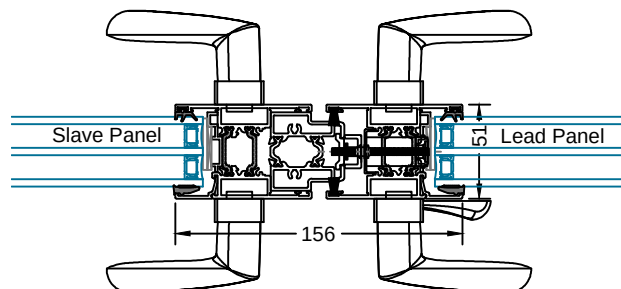
Twin Track
With Internal
Flush Floor Detail



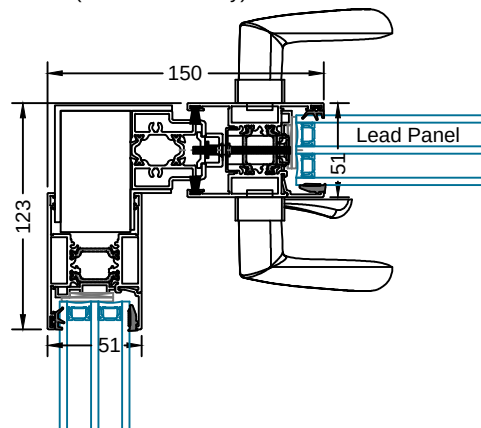
Twin Track with
Plant-on Panel



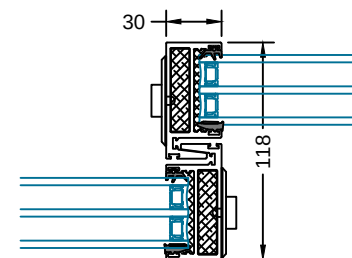
Twin Track
Centre Meeting
Closing Rebate



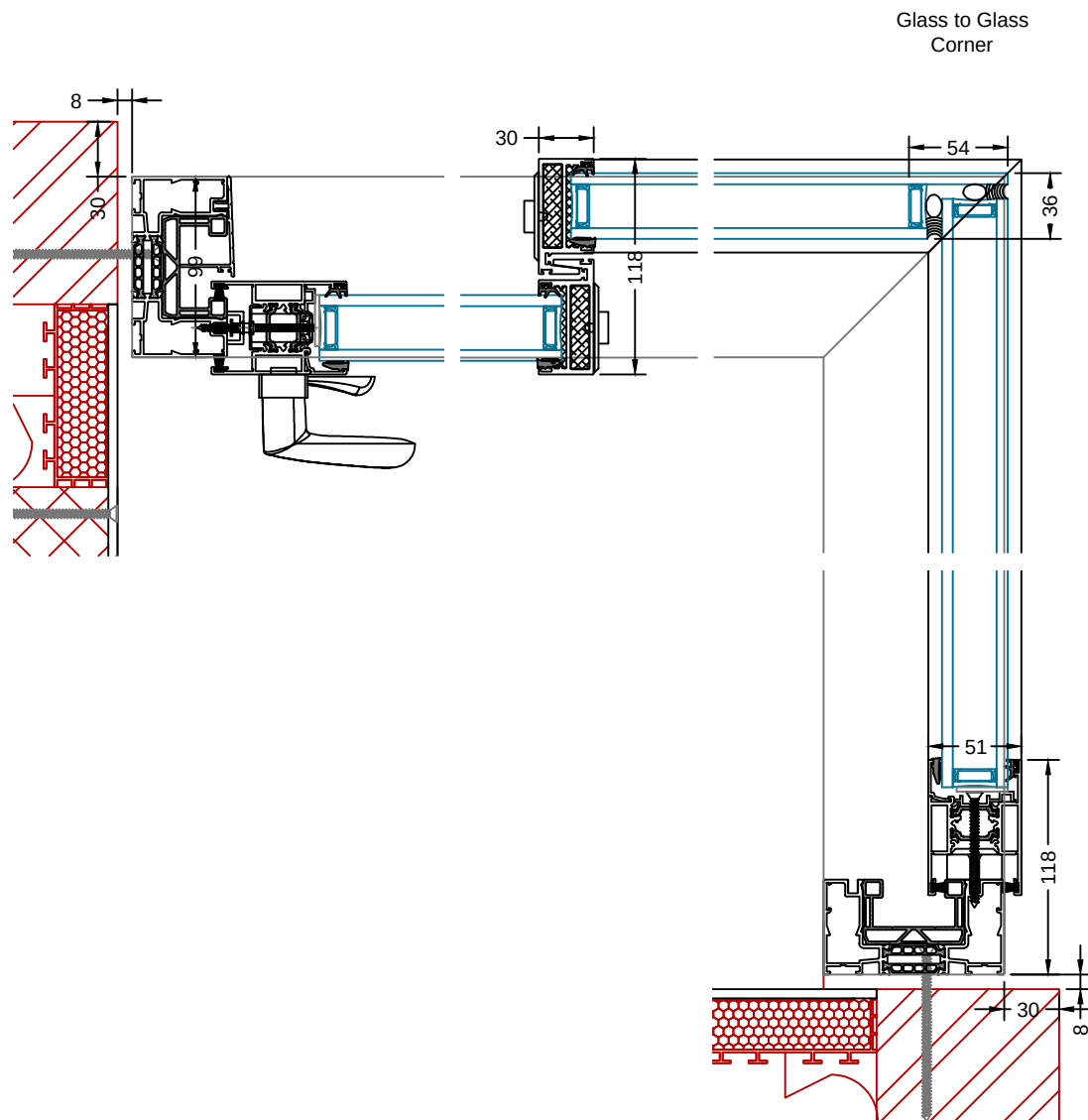
Twin Track
Sliding Corner Post
(inside Track Only)

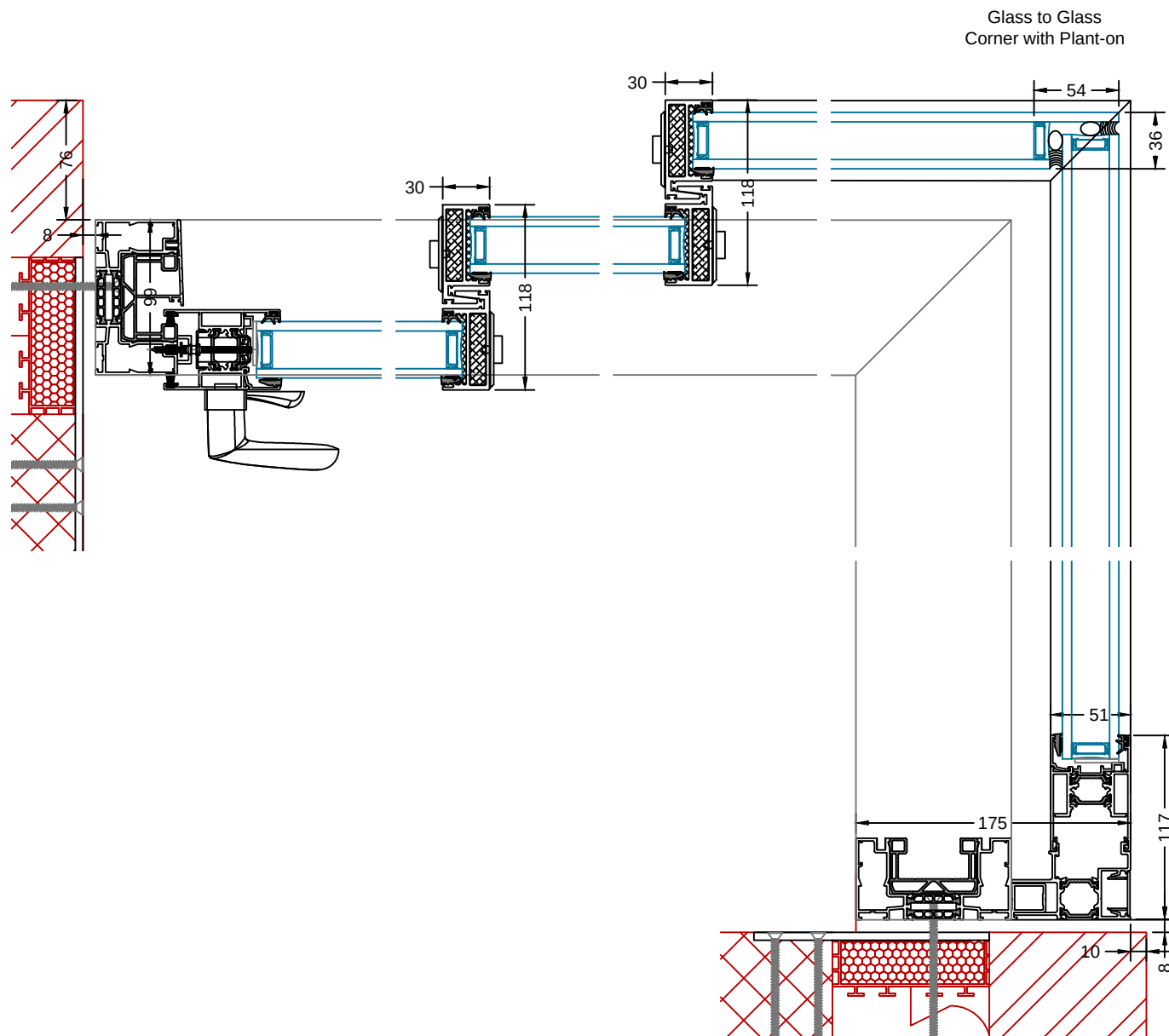


SVG30 Mullion
Triple Glazed



Note: All Previous
Details are Available
in 38mm Triple Glazed

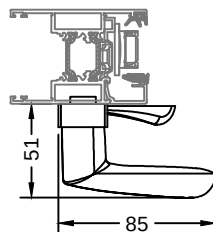
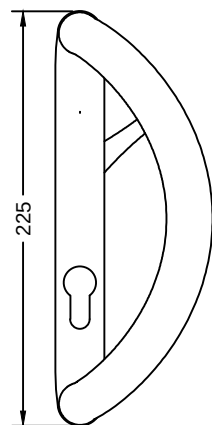




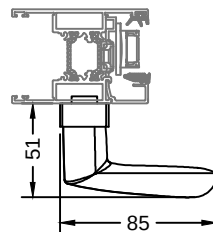
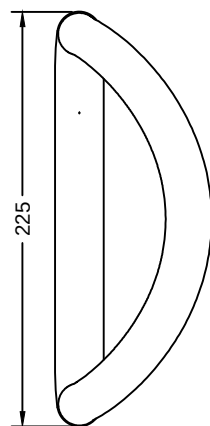
SVG30/SVG83 (Twin Track)

HARDWARE OPTIONS

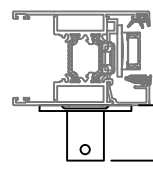
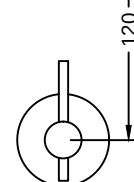
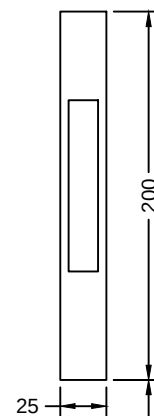
'D' Shaped Handle
With Keylock



'D' Shaped Handle
Without Keylock



Recessed Handle
Lead Panel

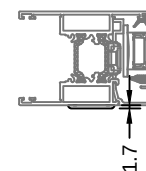


Recessed Handle
Slave Panel

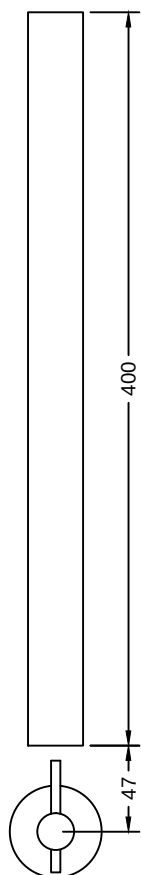


Snib Turn
(stainless Steel Finish Only)

Escutcheon
(stainless Steel Finish Only)



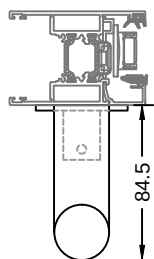
Straight Handle
With Keylock



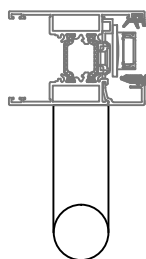
Snib Turn
(stainless Steel Finish Only)



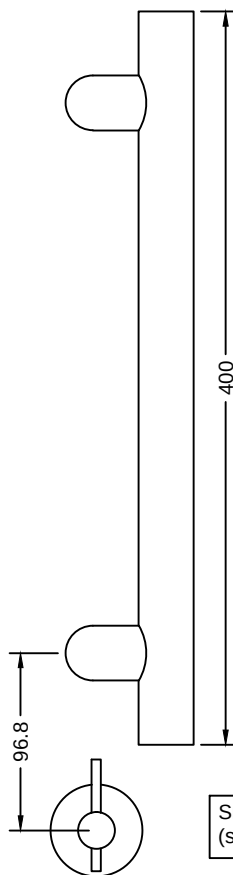
Escutcheon
(stainless Steel Finish Only)



Straight Handle
Without Keylock



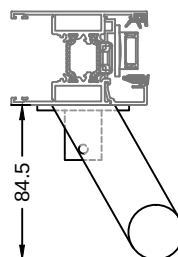
Cranked Handle
With Keylock



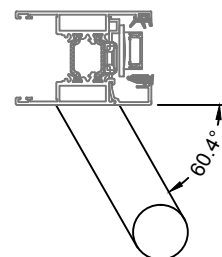
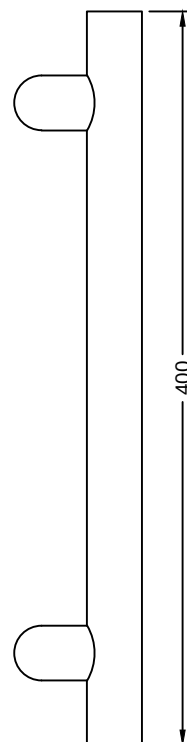
Snib Turn
(stainless Steel Finish Only)



Escutcheon
(stainless Steel Finish Only)

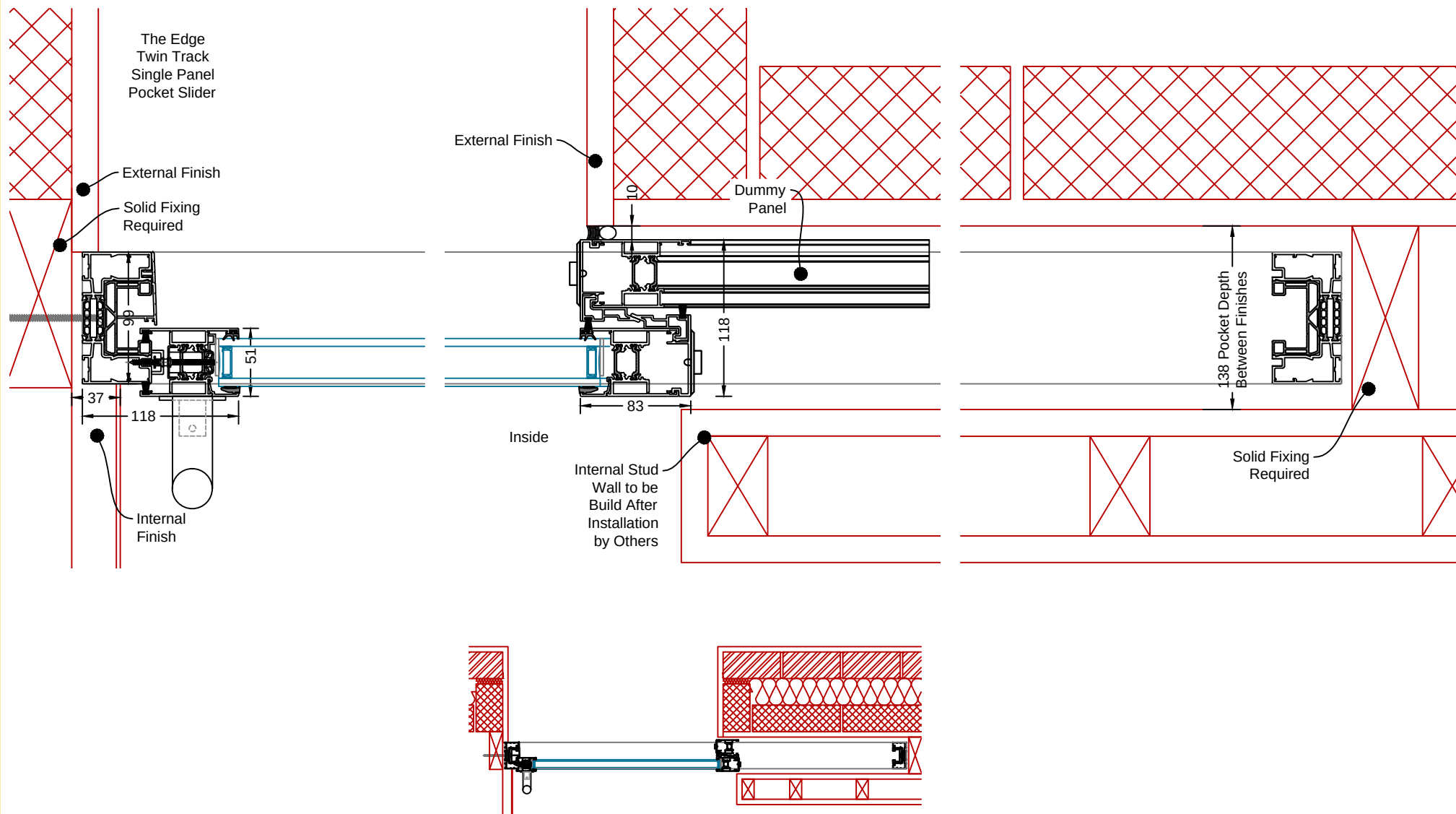


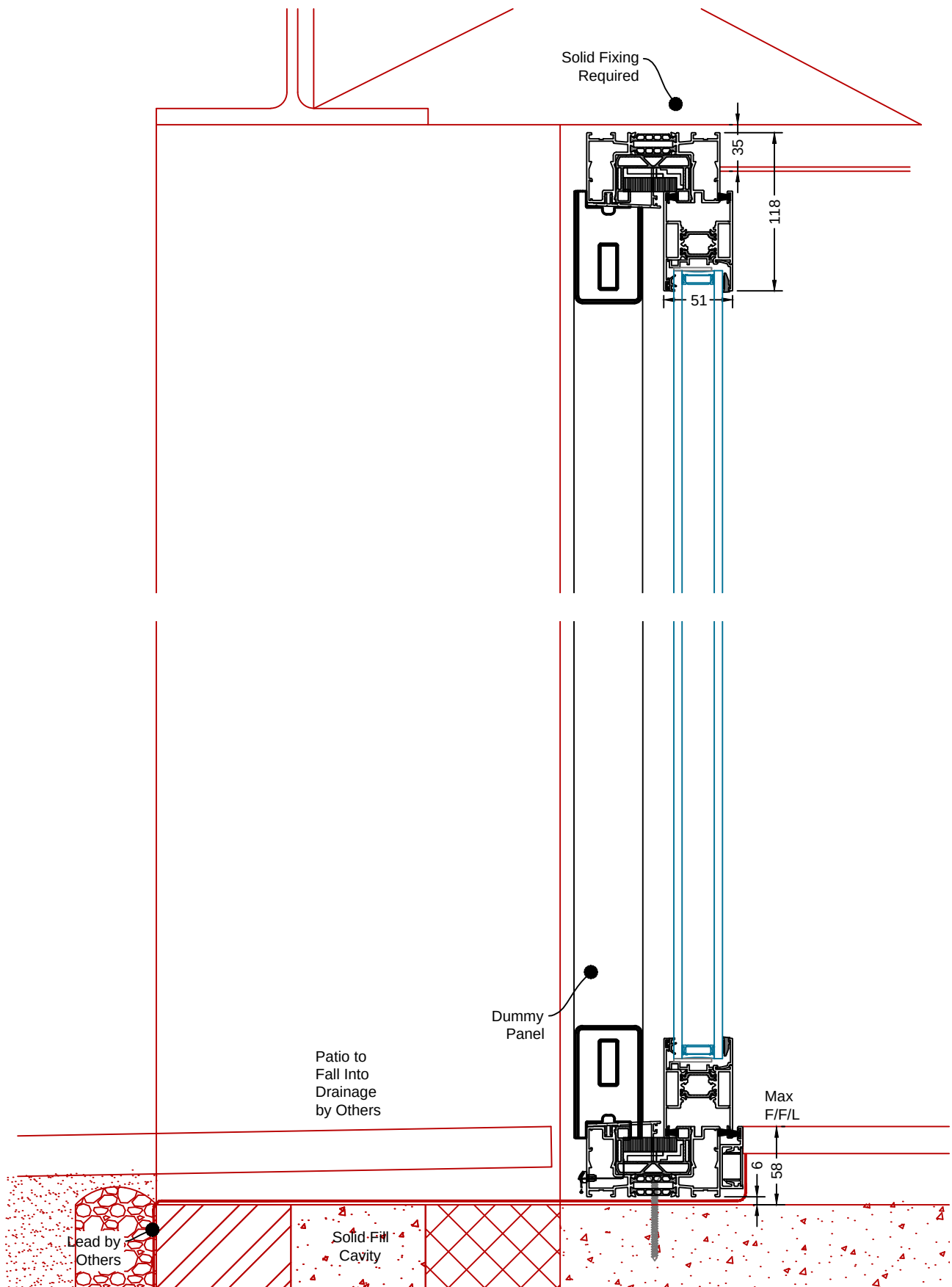
Cranked Handle
Without Keylock

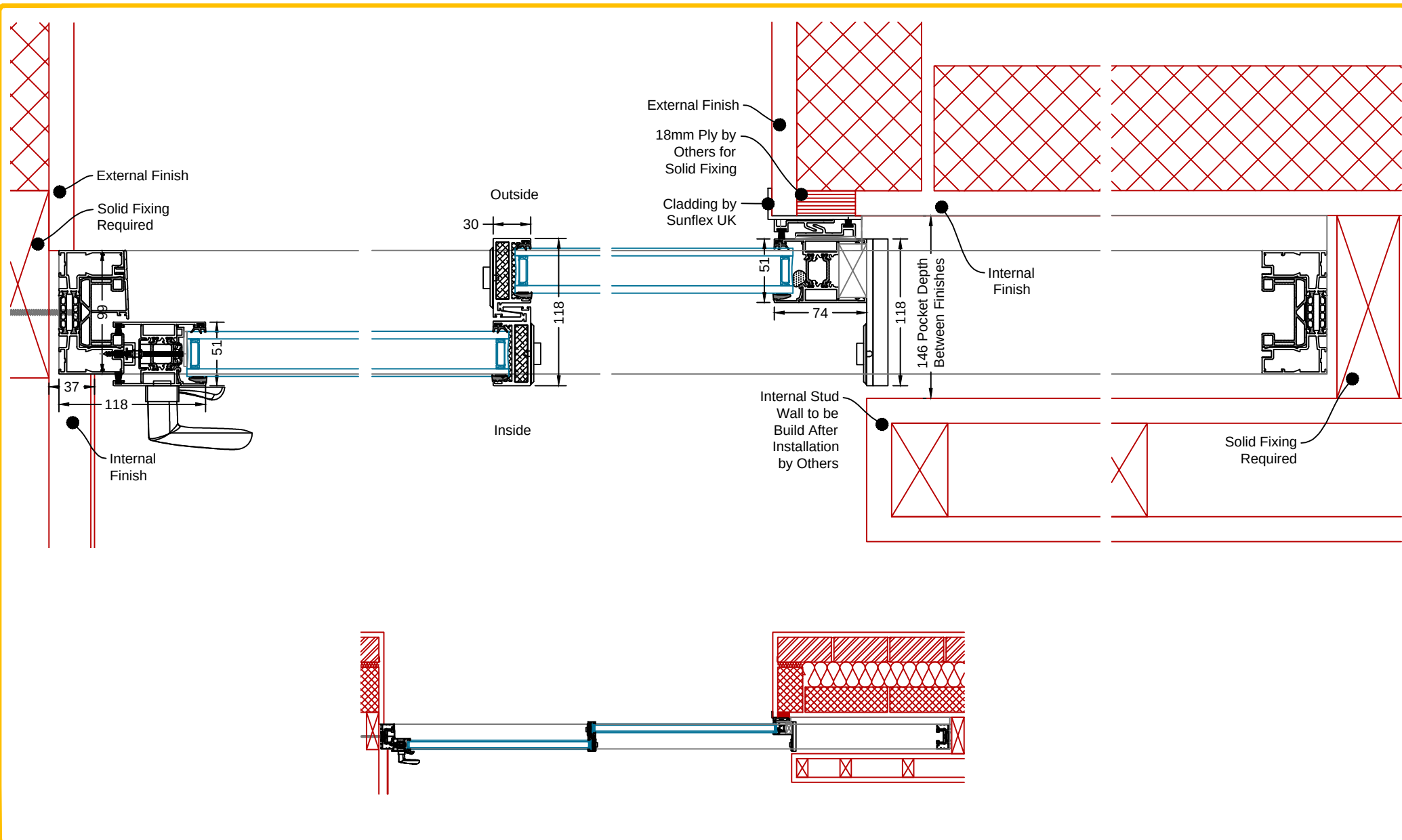


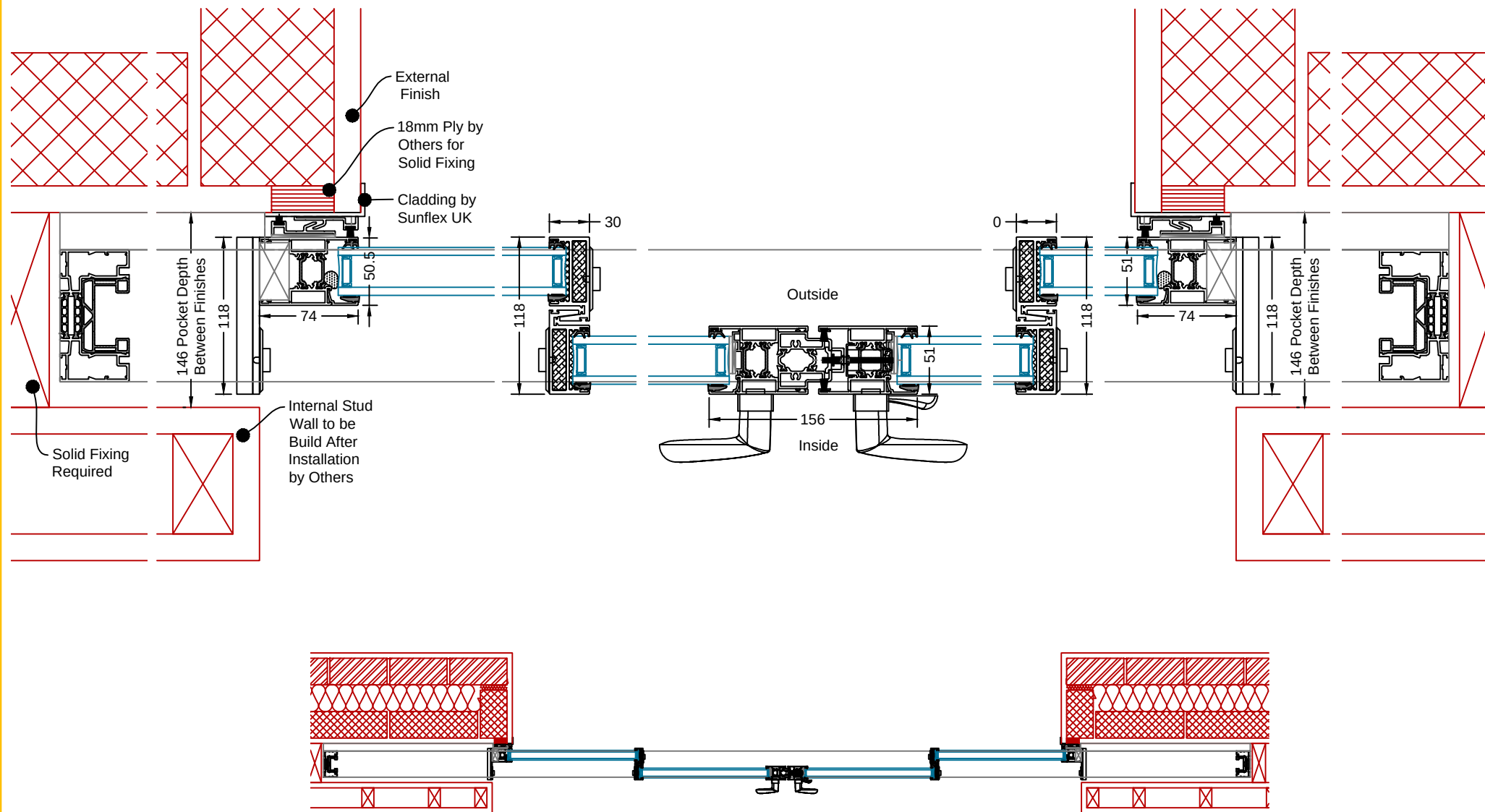
SVG30/SVG83 (Twin Track)

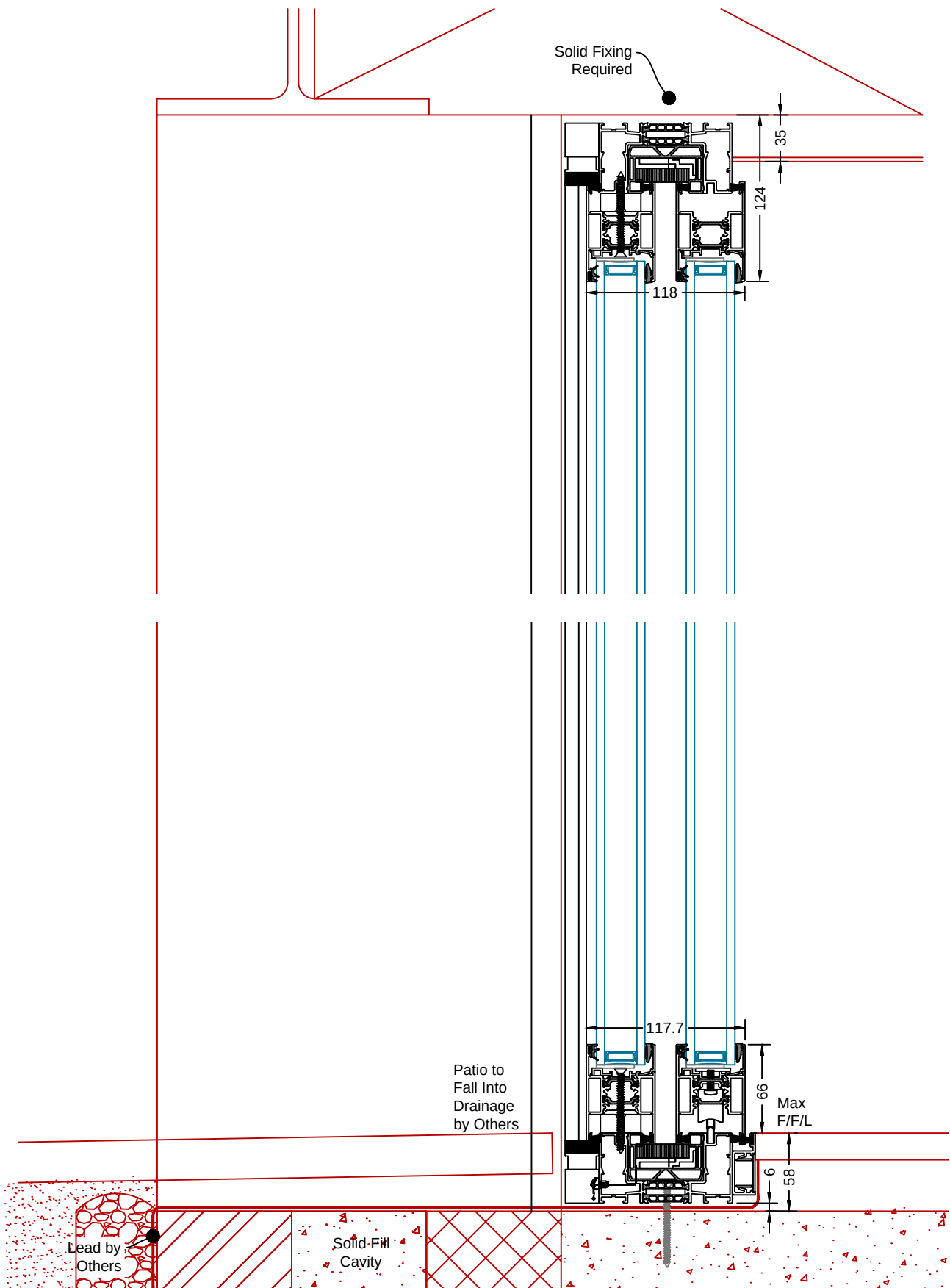
POCKET SLIDER TYPICAL SECTIONS







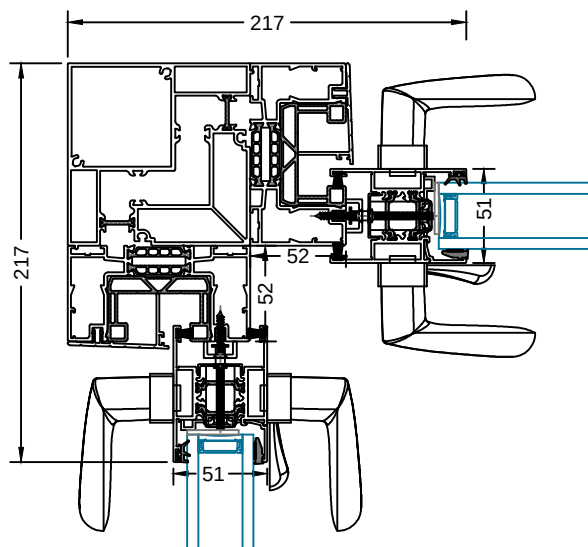




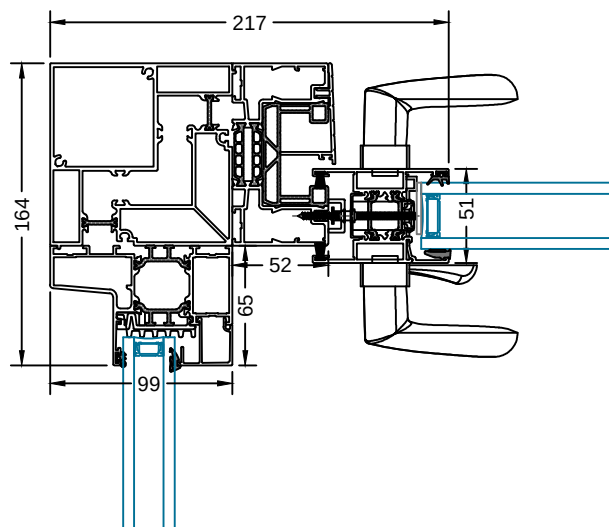
SVG30/SVG83 (Twin Track)

COUPLING DETAILS

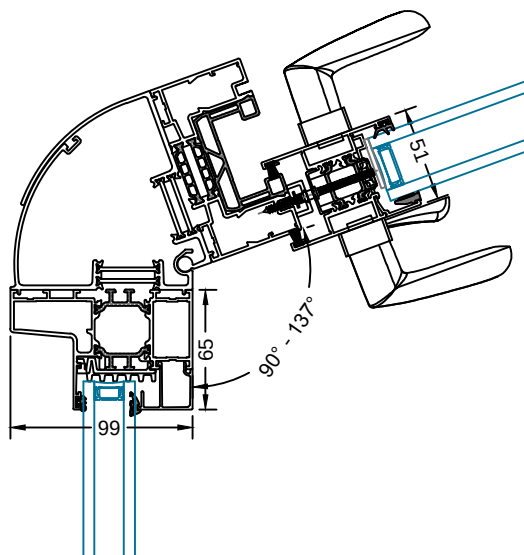
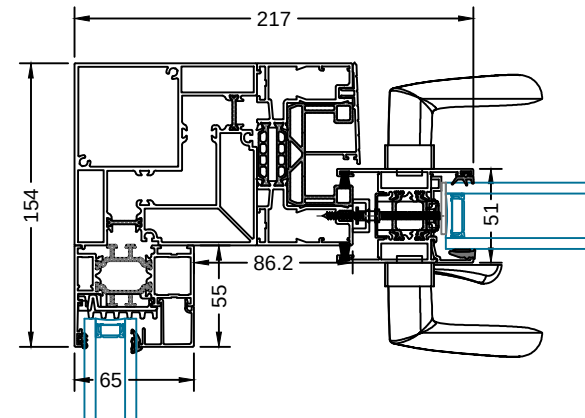
Twin Track
Fixed Corner Post



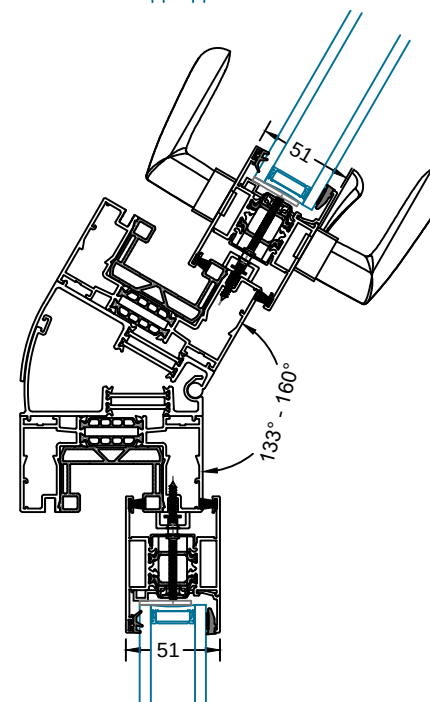
Twin Track
and SEF99
Fixed Corner Post

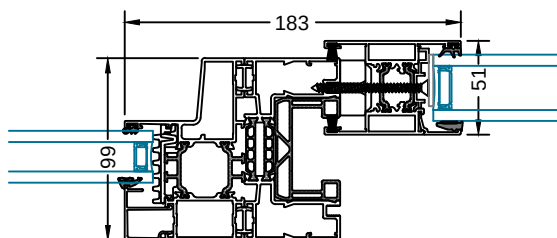


Twin Track
And SEF65
Fixed Corner Post

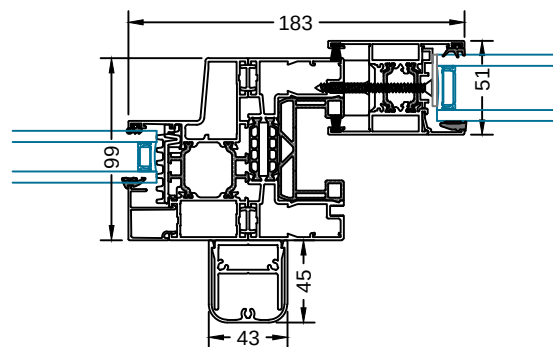


Note: SUNFLEX
Corner Posts Are
NOT Designed to
Offer Support To
The Building
Structure

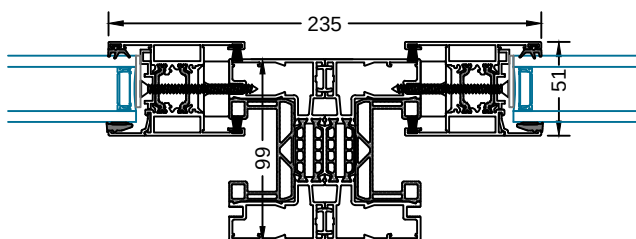




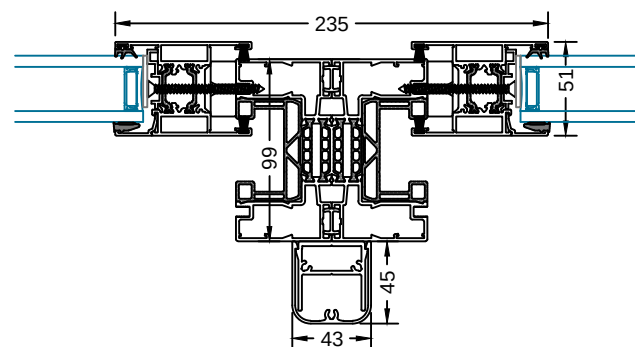
Fixed Frame/Slider
Standard



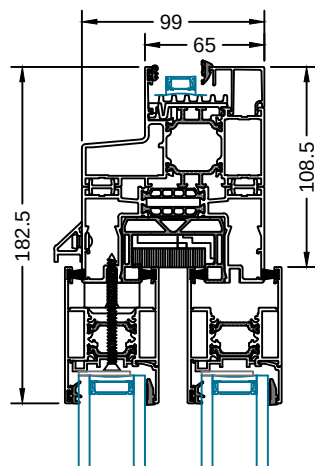
Fixed Frame/Slider
Heavy Duty



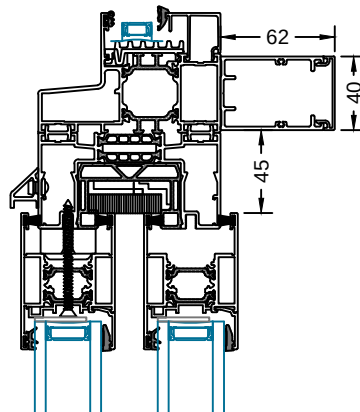
Slider/Slider
Standard



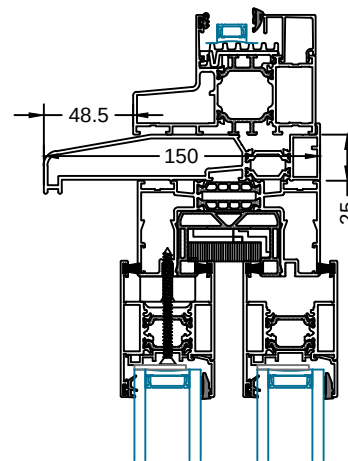
Slider/Slider
Heavy Duty



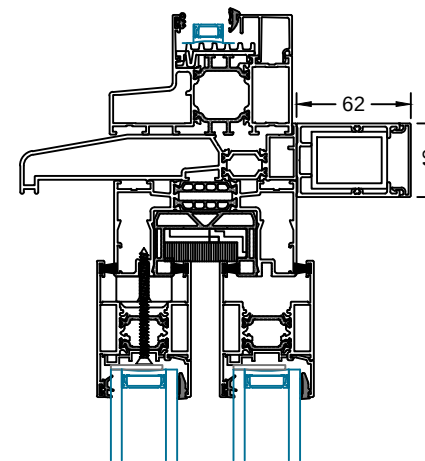
Standard



Heavy Duty



Heavy Duty For More
Exposed Locations

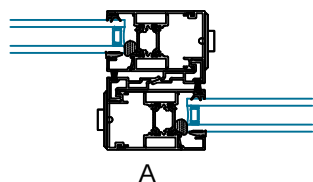
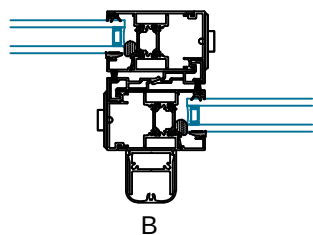
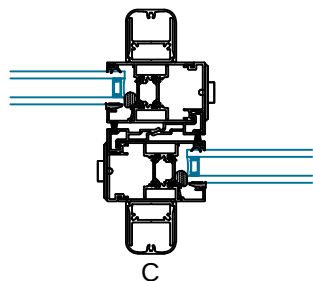


Heavy Duty For Extra
Wide Openings

For Profile Limitations,
See Section E

SVG30/SVG83 (Twin Track)

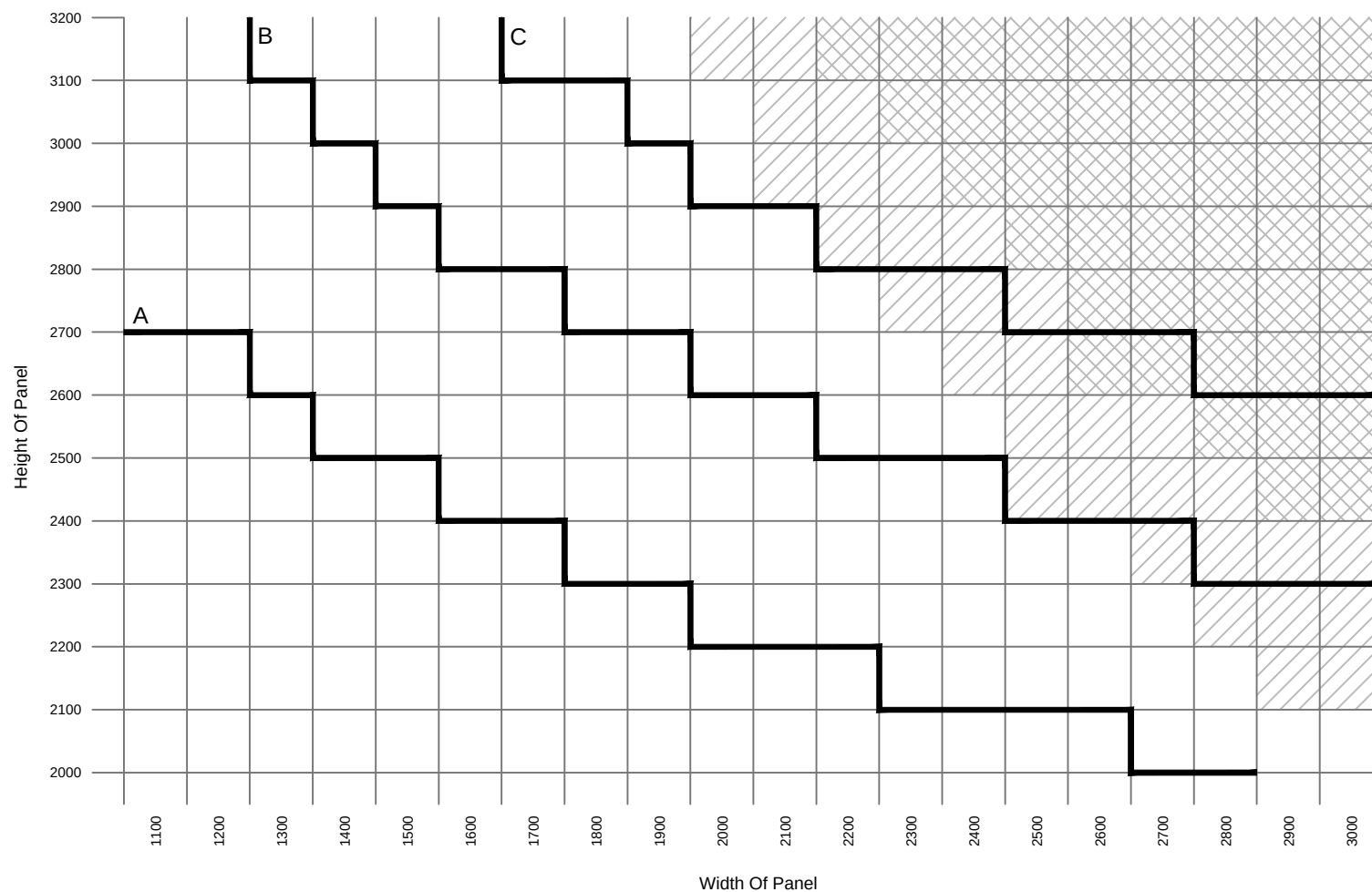
STATICS



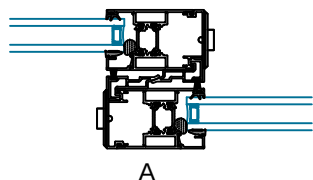
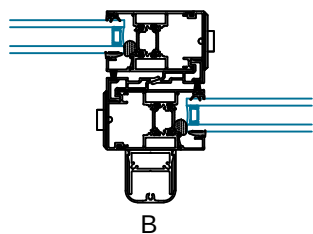
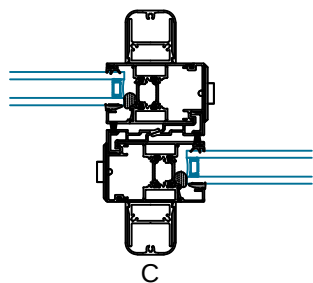
Panel Weight 250-350kg*
Reinforced Track & No Guarantee

350kg+* Not Recommended
No Guarantee

* Weights based on minimum
recommended glass thickness



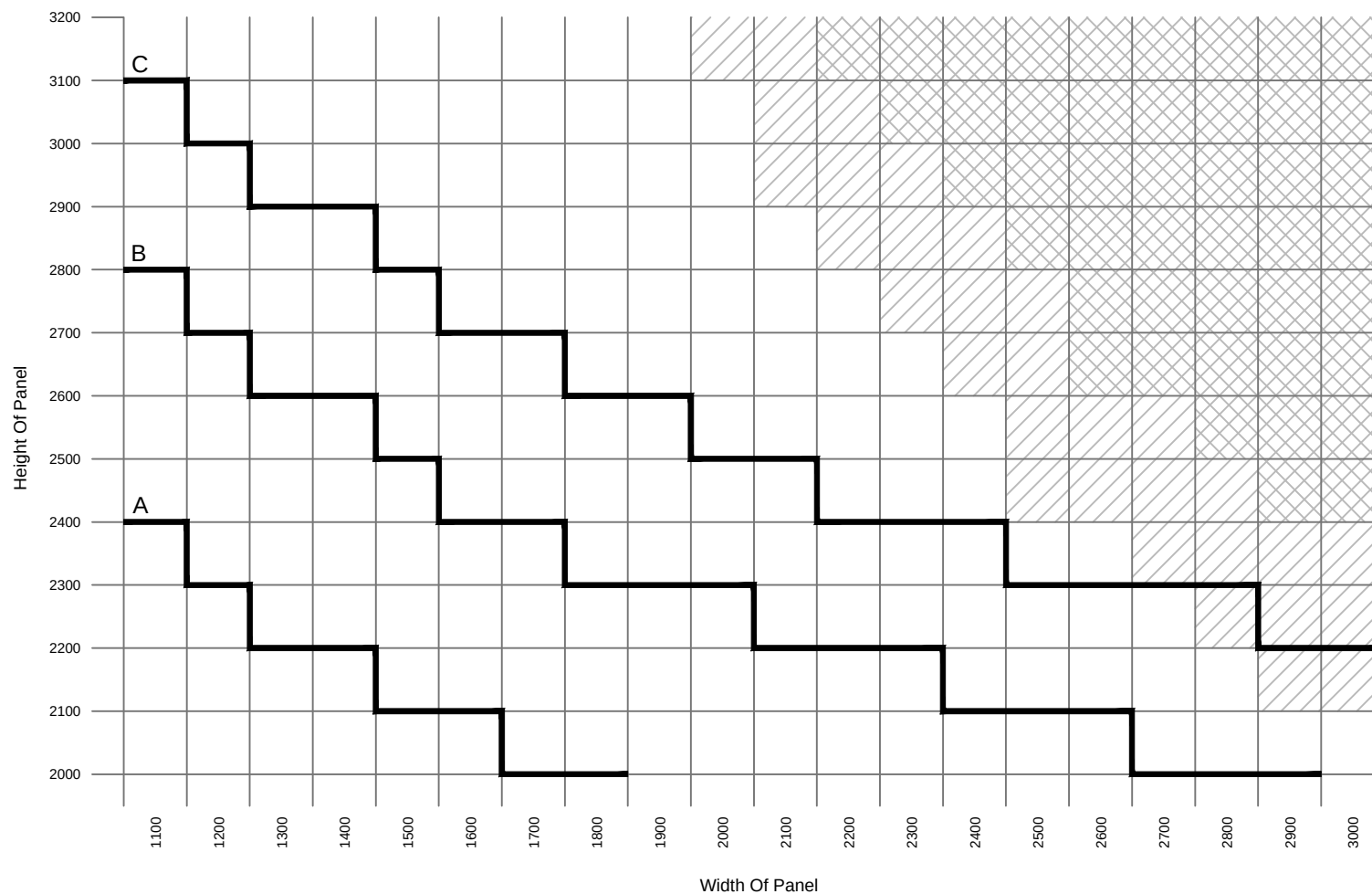
Sheltered Location 750Pa
(eg Central London Ground Floor)



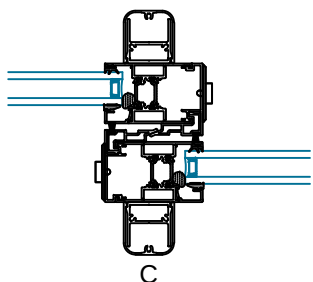
Panel Weight 250-350kg*
Reinforced Track & No Guarantee

350kg+* Not Recommended
No Guarantee

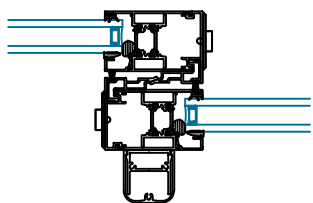
* Weights based on minimum
recommended glass thickness



Rural Location 1200Pa
(eg North Yorkshire)



C

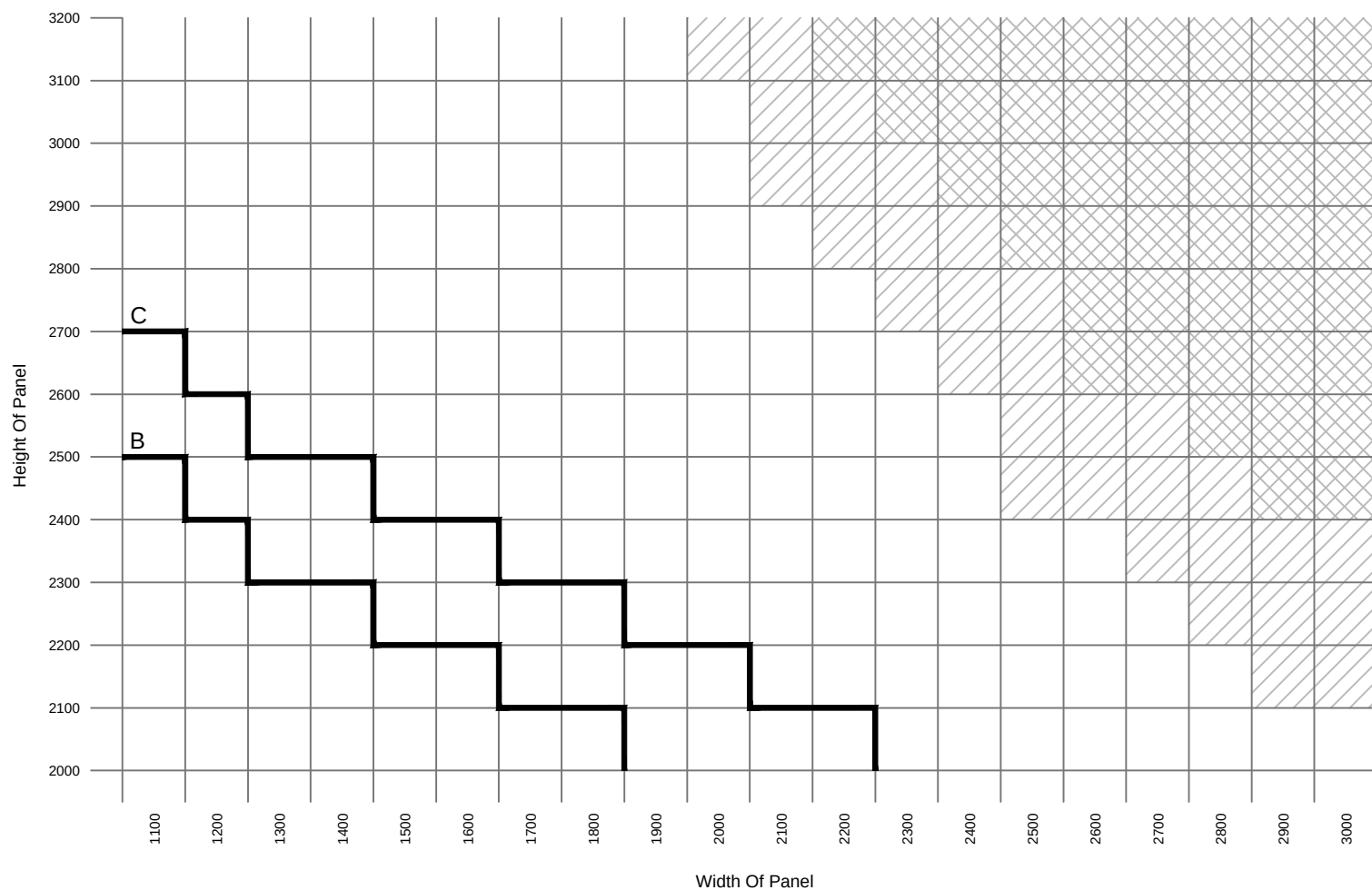


B

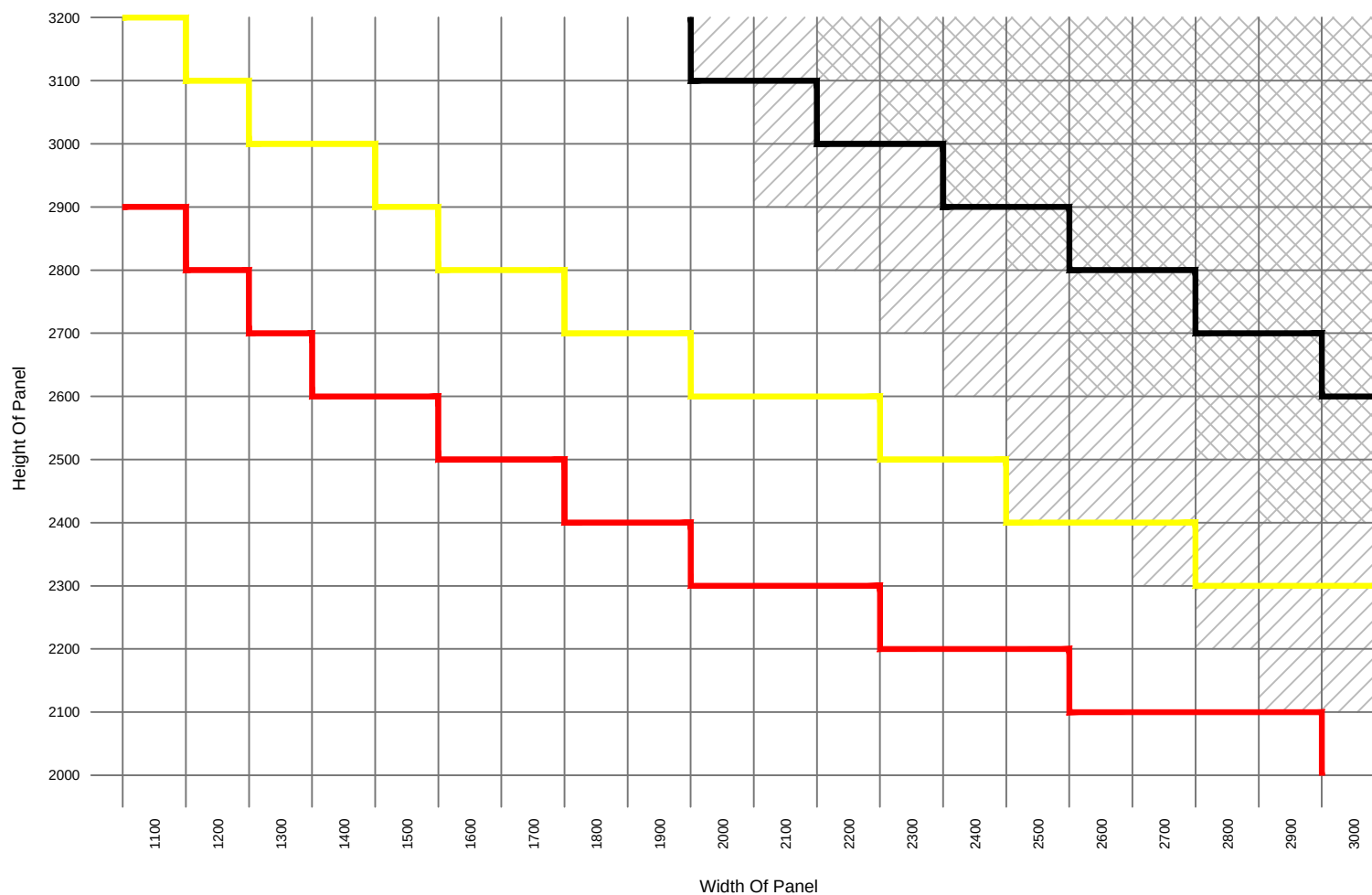
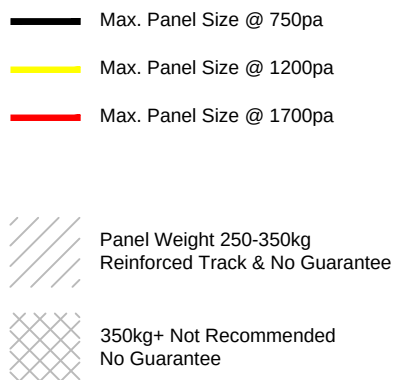
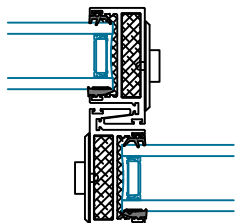
Panel Weight 250-350kg*
Reinforced Track & No Guarantee

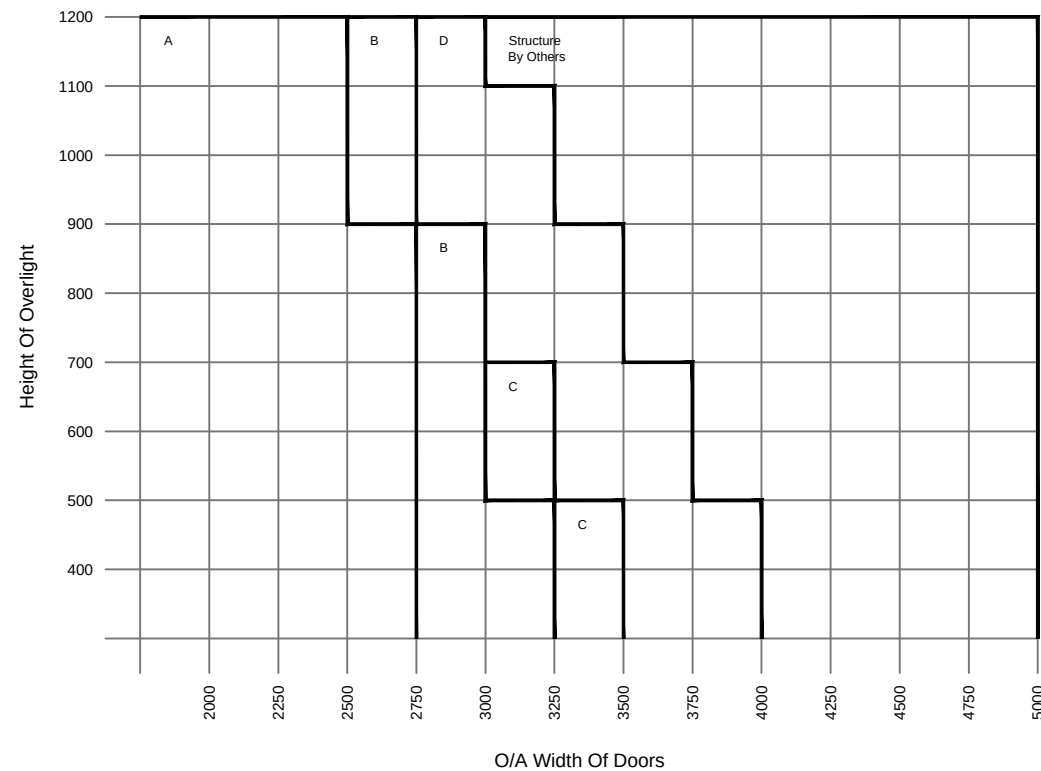
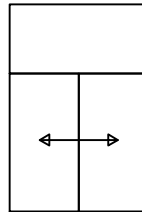
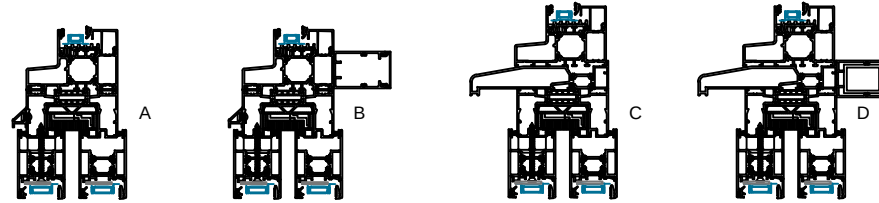
350kg+* Not Recommended
No Guarantee

* Weights based on minimum
recommended glass thickness



Fully Exposed Location 1700Pa
(eg Rural South Coast)

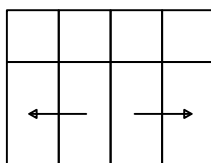
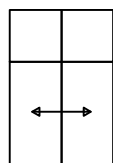
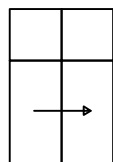
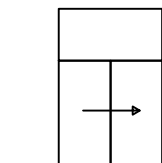




Rural Location 1200Pa
(eg North Yorkshire)

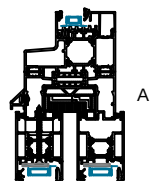
NOTE All calculations assume the following;
Doors at maximum of 2500mm high.
Glass in overlights to be maximum 6mm inner and outer panes.
Openings assumed to be a ground level and not requiring to meet Part K for barrier loading.

If customers design falls outside parameters shown it may still be possible but will need to be confirmed by the Design Office.

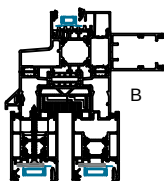


NOTE All calculations assume the following;
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Openings assumed to be a ground level and not requiring to meet Part K for barrier loading.

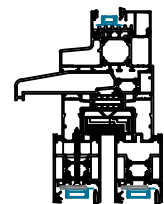
If customers design falls outside parameters shown it may still be possible but will need to be confirmed by the Design Office.



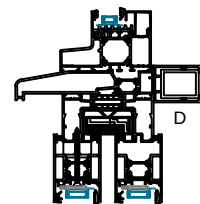
A



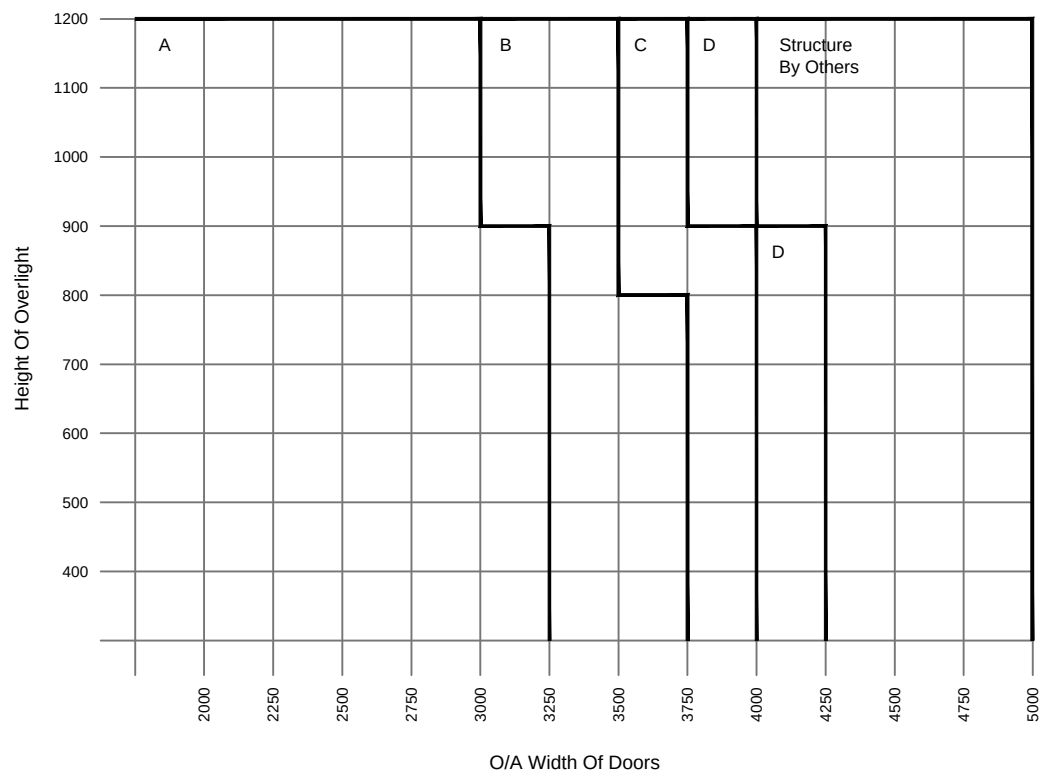
B



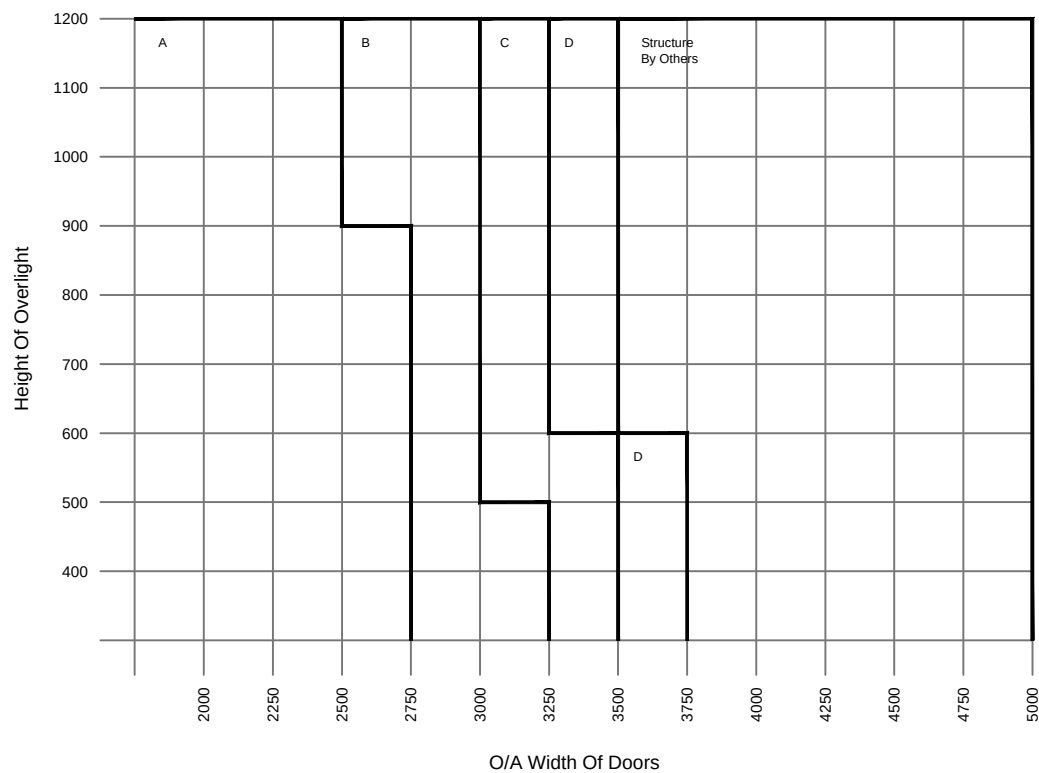
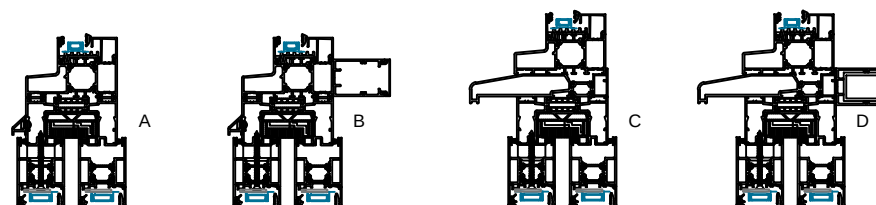
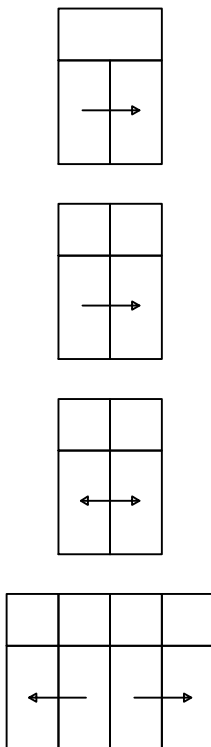
C



D



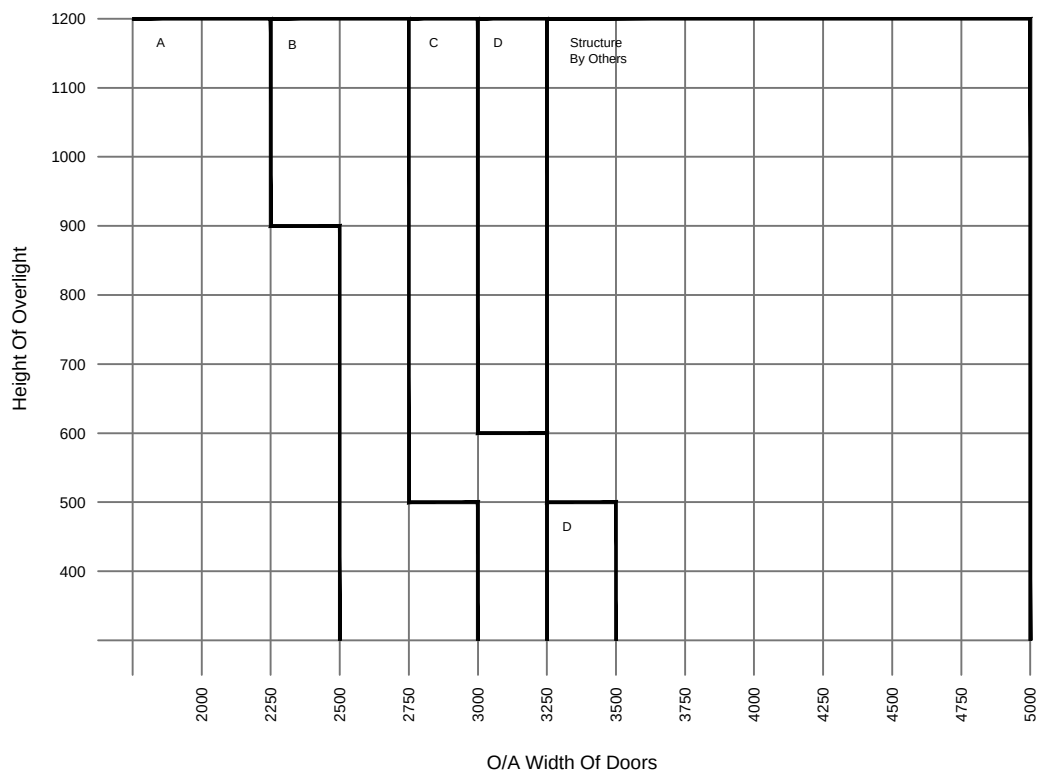
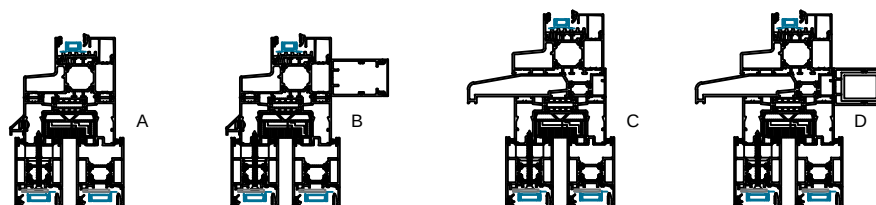
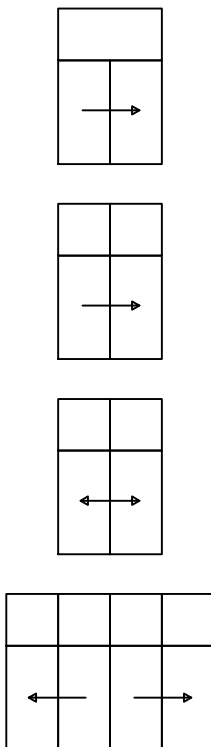
Sheltered Location 750Pa
(eg Central London Ground Floor)



NOTE All calculations assume the following;
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Rural Location 1200Pa
(eg North Yorkshire)



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 Doors at maximum of 2500mm high.
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Fully Exposed Location 1700Pa
 (eg Rural South Coast)