Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100CDG - 1

Max 100 Centre Double Glazed - 34mm Pocket

FEATURES:

- 100mm Frame Depth
- 50mm Sight Line generally
- 60mm Sight Line when using unbroken U-Max framing
- Optional Low profile 44mm Outer Frame
- Glass Plane-Centred
- Compatible with 100mm Front Glazed allowing glass in different planes
- Compatible with other 100mm Max & U-Max framing systems
- Accepts 24mm to 28mm IGU's
- Single Glazed Spandrel adaptor option
- Eliminates ugly visible drain slots in the face of transoms
- Can be Internal or External glazed
- Awning & Casement Sash options
- Multi Locking Sashes
- Tilt & Turn Insert
- Sliding Window
- Hinged, Bifold, Pivot, Sliding & Multi sliding door tracks
- Dry Glazed with High performance Santoprene Gaskets
  - o Anti Stretch Gaskets
  - o Anti-Dropout Gasket Design
- Suited to wet glazed if preferred
- Watershed -Concealed Transom drainage system

FABRICATION:

- Easy Screw Flute Joinery Fabrication
- Simple Panelized Assembly

PRODUCT APPLICATIONS:

- Shopfront, Ribbon Windows or Punched Openings
- Generally Single Span, limited to 6.5 metre high applications

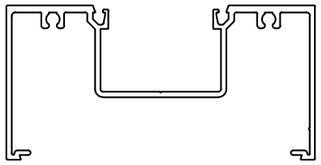
NOTE:

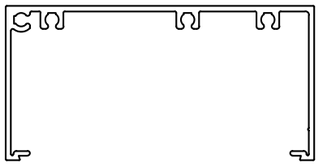
This system is completely compatible with U-Max thermally broken framing systems

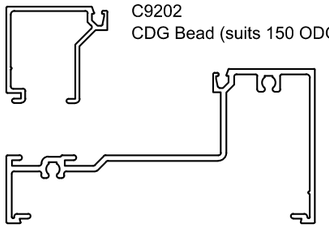
Ivanhoe East Home
MAX™ 100mm Centre Double Glazed frames
& GEN™ 100mm Centre Double Glazed frames

Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100CDG - 2

50mm Extrusion ID

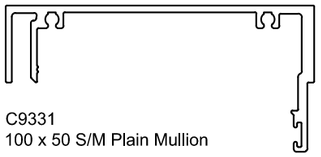

C9500
100 x 50 CDG frame


C9502
100 x 50 Plain Frame

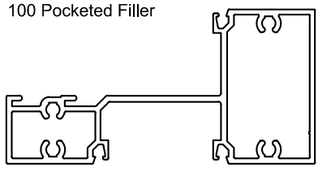

C9202
CDG Bead (suits 150 ODG)

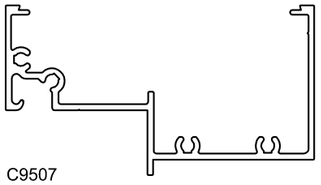
C9501
100 x 50 CDG Sill

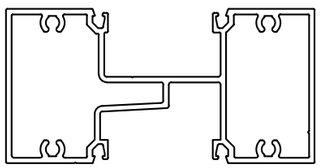

C9604
100 x 25 Plain Frame

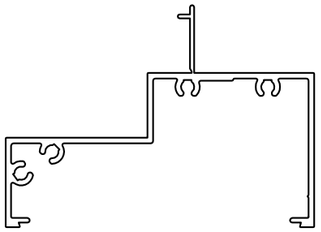

C9331
100 x 50 S/M Plain Mullion


C9503
100 Pocketed Filler

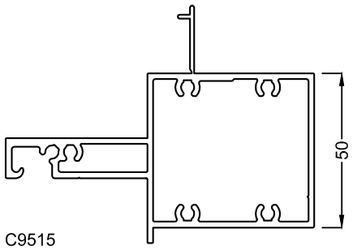

C9504
100 x 50 CDG Transom


C9507
100 x 50 Hinge Head

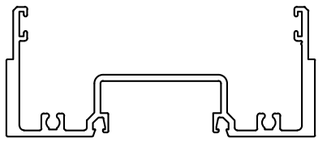

C8140
Max 100 x 50 CDG Drained Transom

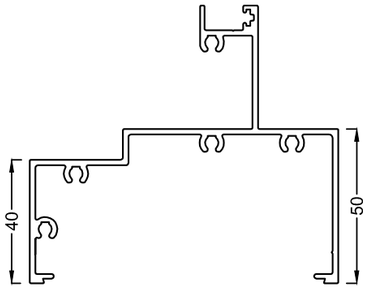

C9508
100 x 50 Winder Sill


C9505
100 CDG Deep Mullion



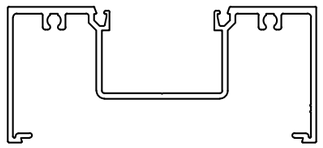
C9515
Double Hinge Head Transom

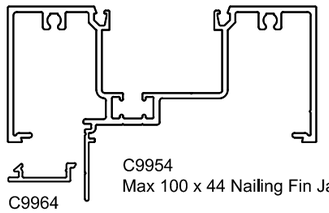

C9506
100 CDG Shallow Mullion

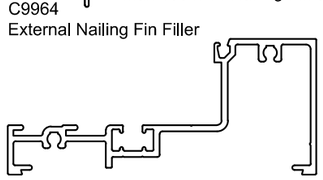


C9522
100 x 50 Truth Head/Sill

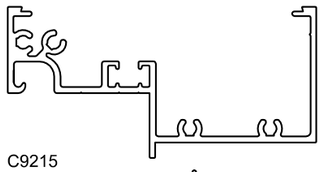
44mm Extrusion ID

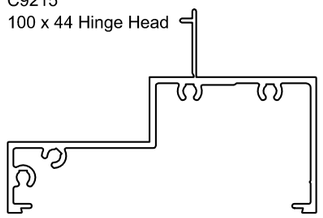

C9509
100 x 44 CDG Frame


C9954
Max 100 x 44 Nailing Fin Jamb


C9964
External Nailing Fin Filler

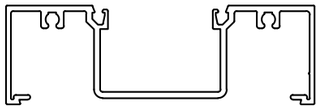
C9210
100 x 44 CDG Sill

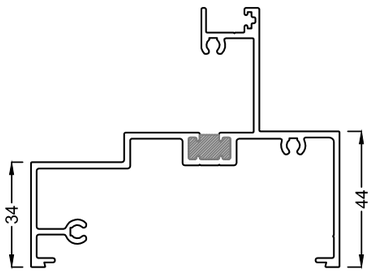

C9215
100 x 44 Hinge Head


C9615
100 x 44 Winder Sill

44mm Extrusion ID

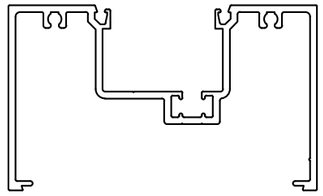

C9603
100 x 44 Plain Frame

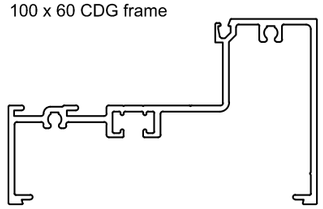

C9511
100 x 32 Narrow Frame

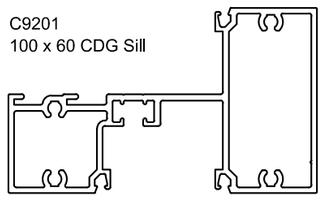


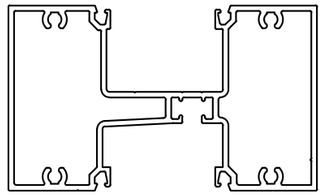
C9220F
100 x 44 Truth Head/Sill
(filled)

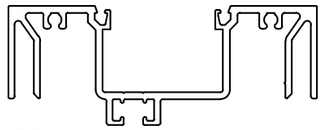
60mm Extrusion ID

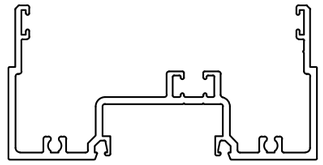

C9200
100 x 60 CDG frame

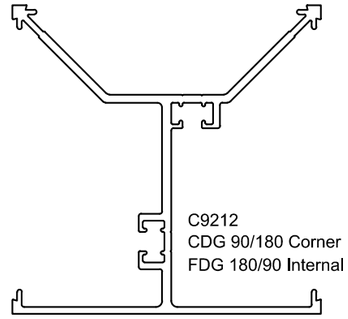

C9201
100 x 60 CDG Sill

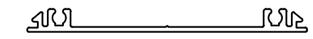

C9206
100 x 60 CDG Transom


C8141
Max 100 x 60 CDG Drained Transom

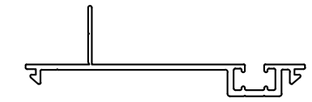

C9207
100 x 60 CDG Deep Mullion

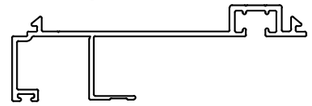

C9208
100 x 60 CDG Shallow Mullion

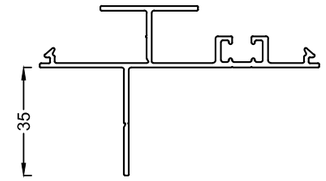

C9212
CDG 90/180 Corner
FDG 180/90 Internal


C9321
100 Flat Filler - screw flutes

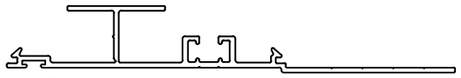

C405
100 Flat Filler


C9205
100 Nailing Fin


C9608
In Line Reveal Adaptor

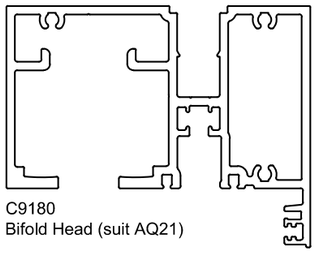


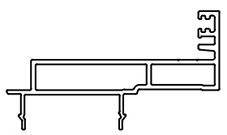
C9266 (replaces C9626)
Build In Adaptor

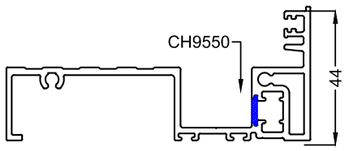

C9527
Build In Bracket

Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100CDG - 3

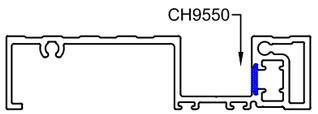
Extrusion ID


C9180
Bifold Head (suit AQ21)

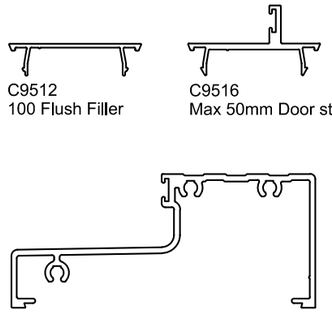

C9526
Bifold Jamb Adaptor (suit AQ21)

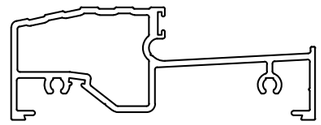


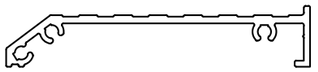
C9181
Bifold Sill (suit AQ21)



C9182
Bifold Flat Sill


C9622
100 Threshold Open Out (45 door)

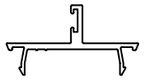

C9623
100 Threshold Open IN (45 door)


C9621
100 x 20 Flat Threshold

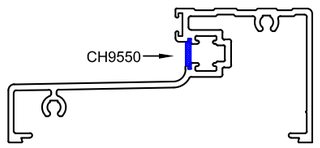

C469
100 x 13 Wheelchair Threshold

C9512
100 Flush Filler

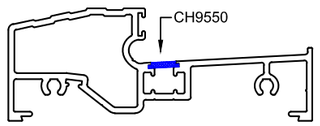
C9516
Max 50mm Door stop


C9517
45mm Door stop


C9232
Hinge Backing Plate



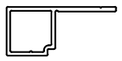
C9229
100 Threshold Open Out (50 door)



C9230
100 Threshold Open IN (50 door)

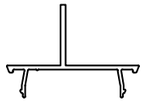
Spandrel Extrusion ID

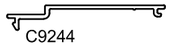

C9219
Spandrel Adaptor
19mm pocket

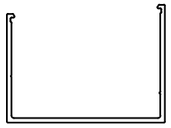

C9767
Spandrel Adaptor

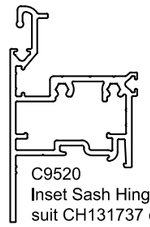

SCH161615
16 x 16 x 1.5 Channel

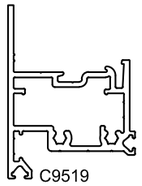
Sash Extrusion ID

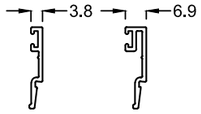

C9513
CDG & ODG Sash Adaptor
suit C9519, C9241


C9244
Winder Box Cover


C9243
Elevation Motorised Winder Box


C9520
Inset Sash Hinge Head
suit CH131737 cornerstake


C9519
Inset Sash
suit CH131737 cornerstake



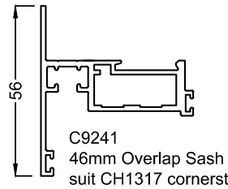
C9249
Bead
35 Gap

C9246
Bead
31 Gap

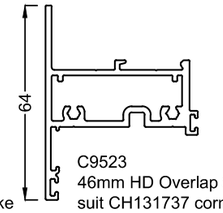
C9247
Bead
25 Gap

C9521
Bead
15 Gap


C9242
Winder Support



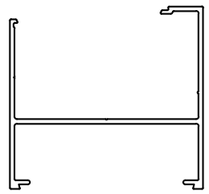
C9241
46mm Overlap Sash
suit CH1317 cornerstake

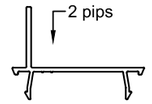


C9523
46mm HD Overlap Sash (16mm stays)
suit CH131737 cornerstake

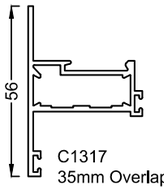

C0054
29mm Gap


C016-2
41mm Gap


C9318
Motorised Winder Box
suit C1317

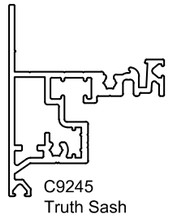


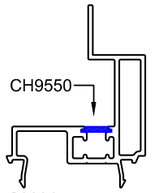
C9514
CDG & ODG Sash Adaptor
suit C1317



C1317
35mm Overlap Sash
suit CH1317 cornerstake

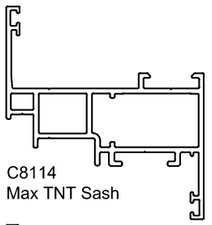

C016-2
30 Gap

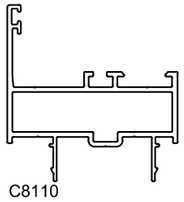

C9245
Truth Sash
suit CH9557 cornerstake

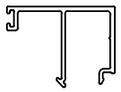


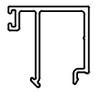
C9221
Truth CGD Sash Adaptor

Multi Locking Sash Extrusion ID


C8114
Max TNT Sash


C8110
Max TNT Sash


C8105
TNT Bead 25mm Gap


C8104
TNT Bead 34mm Gap


C8147
Screen Adaptor


C8100
Transmission Bar
20um clear anodised

C8119
Stay Packer
Mill Finish

C8117
Max Multi Lock Sash

C9902
Bead 18.5 Gap

C9901
Bead 25mm Gap

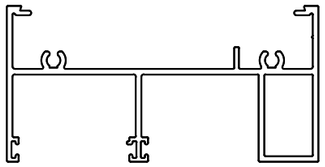
C0054
Bead 35mm Gap

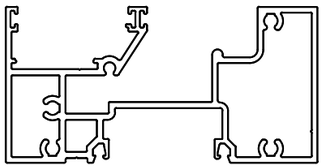
C016-2
Bead 47mm Gap

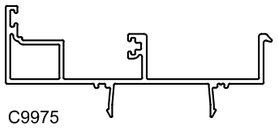
C8115
Max CDG Multi Lock Adaptor

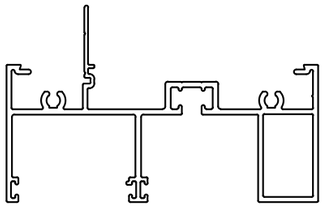
C200R
25 x 11 Extruded Screen

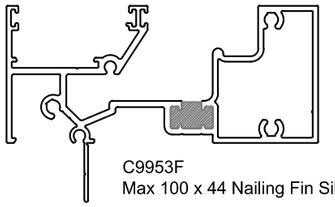
Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100CDG - 4
Sliding Window Extrusion ID

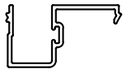

C9970
Max 100 x 60 Slider Head

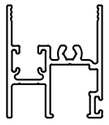

C9971
Max 100 x 50 Slider Sill

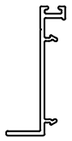

C9975
Max Slider Jamb Adaptor

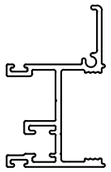

C9952
Max 100 x 44 Nailing Fin Head

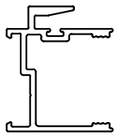

C9953F
Max 100 x 44 Nailing Fin Sill

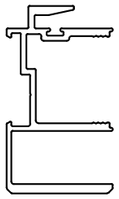

C9962
Screen Channel

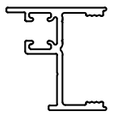

C9960
U-Max Slider Rail


C9963
Screen Adaptor

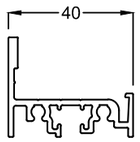

C9956
Max Slider Lock Stile


C9977
Max Slider Standard M/Stile

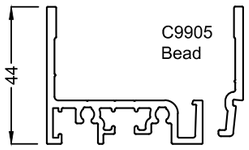

C9978
Max Slider HD M/Stile


C9961
Max Fixed Stile

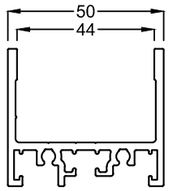
Double Glazing Adaptors Extrusion ID



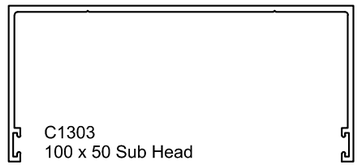
C9249
Small Tuck In Bead
33mm Gap
C9339U
40 x 32mm Glazing Adaptor

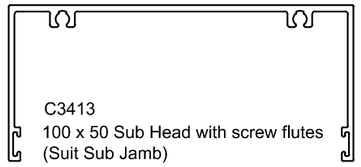


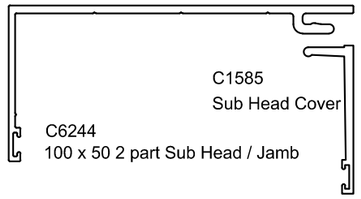
C9905
Bead
C9904
50 x 44mm Glazing Adaptor

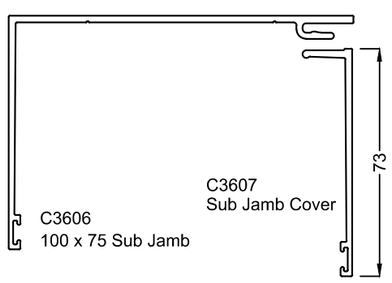


C9903
50 x 44mm Glazing Channel

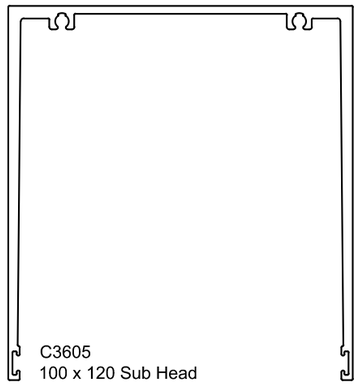

C1303
100 x 50 Sub Head

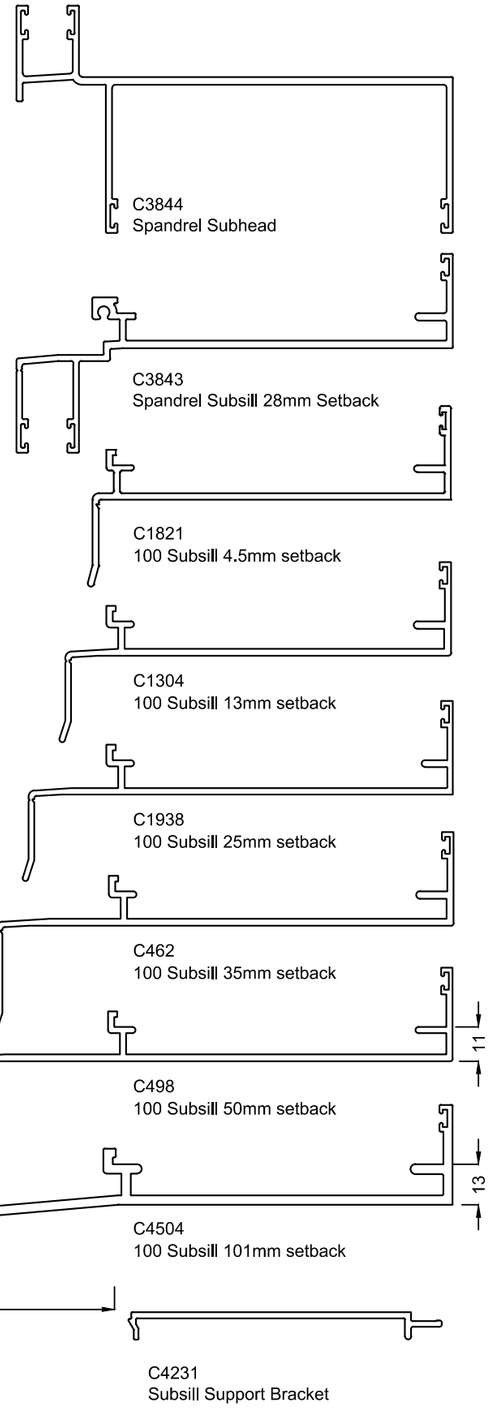

C3413
100 x 50 Sub Head with screw flutes
(Suit Sub Jamb)


C1585
Sub Head Cover
C6244
100 x 50 2 part Sub Head / Jamb



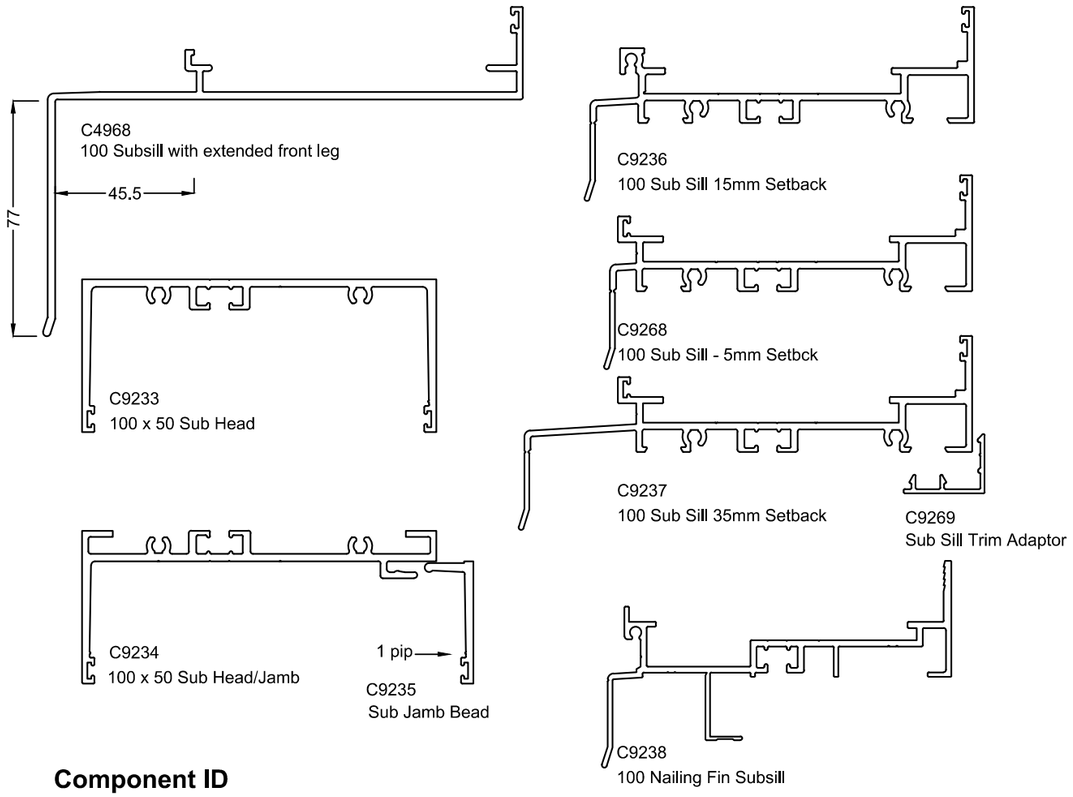
C3607
Sub Jamb Cover
C3606
100 x 75 Sub Jamb


C3605
100 x 120 Sub Head

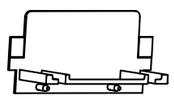


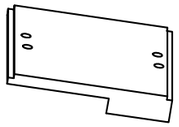
C3844
Spandrel Subhead
C3843
Spandrel Subsill 28mm Setback
C1821
100 Subsill 4.5mm setback
C1304
100 Subsill 13mm setback
C1938
100 Subsill 25mm setback
C462
100 Subsill 35mm setback
C498
100 Subsill 50mm setback
C4504
100 Subsill 101mm setback
C4231
Subsill Support Bracket

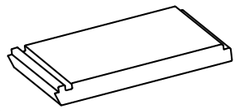
Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100CDG - 5
Extrusion ID

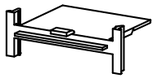


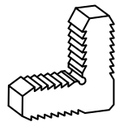
Component ID

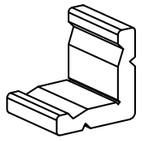

CH9570
100 Subsill Stop end (non handed)

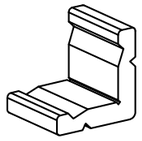

CH9573
100 Nailing Fin Subsill end cap


CH9595
Subsill support block

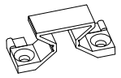

CH9597
Max Universal Watershed
for Deep & Shallow pockets


CH9557
Cornerstake C9245 Sash


CH1317
Cornerstake C1317, C9241 Sash


CH131737
Cornerstake C9519 Sash


CH9580
Sash Gusset


CH9690
Spring suit C8147


CH9520
SubFrame Seal
Co-Ex, SANT


CH9521
Sash Bulb Seal
APRENE


CH9522
Co-Ex Door Stop
APRENE


CH9532
Co-Ex Bifold Seal
APRENE

CH9524
Co-Ex Sub Sill Flap

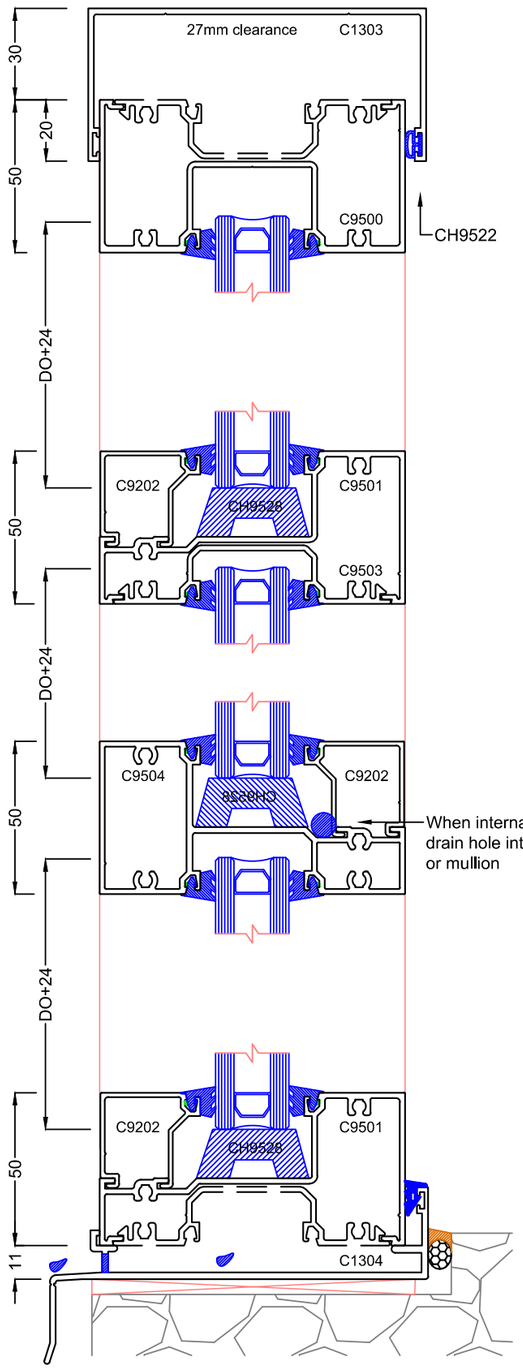

CH9525
Co-Ex Sill Flap

CH9526
Expansion Seal SANT

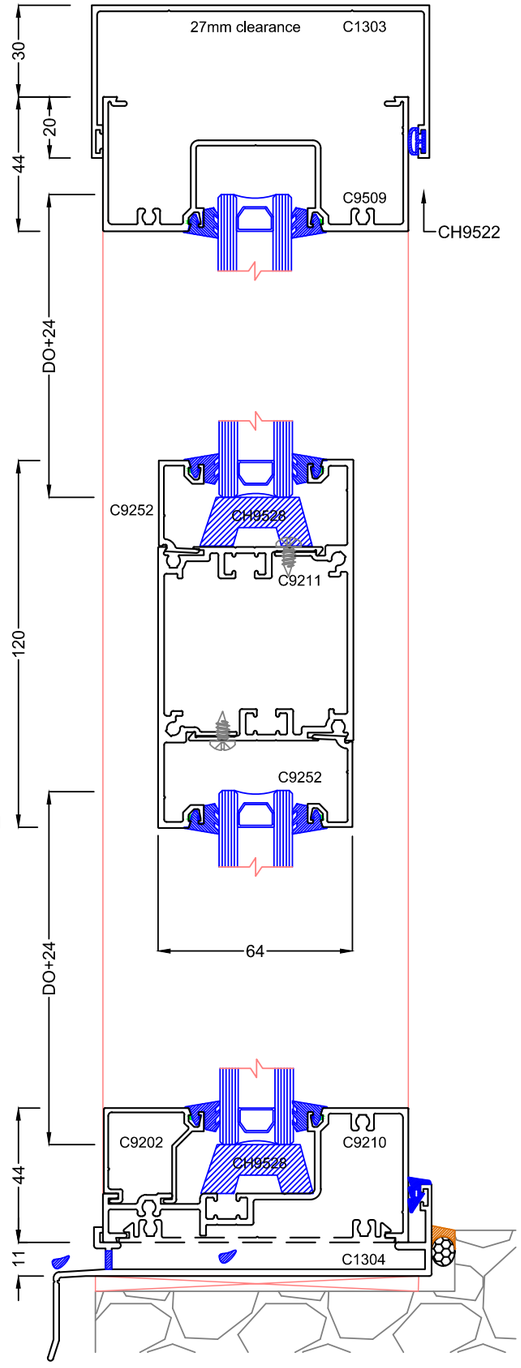
CH13NEW
Sash Bulb Seal
suit C9241


CH9528
16mm Setting Block

50mm Head & Sill



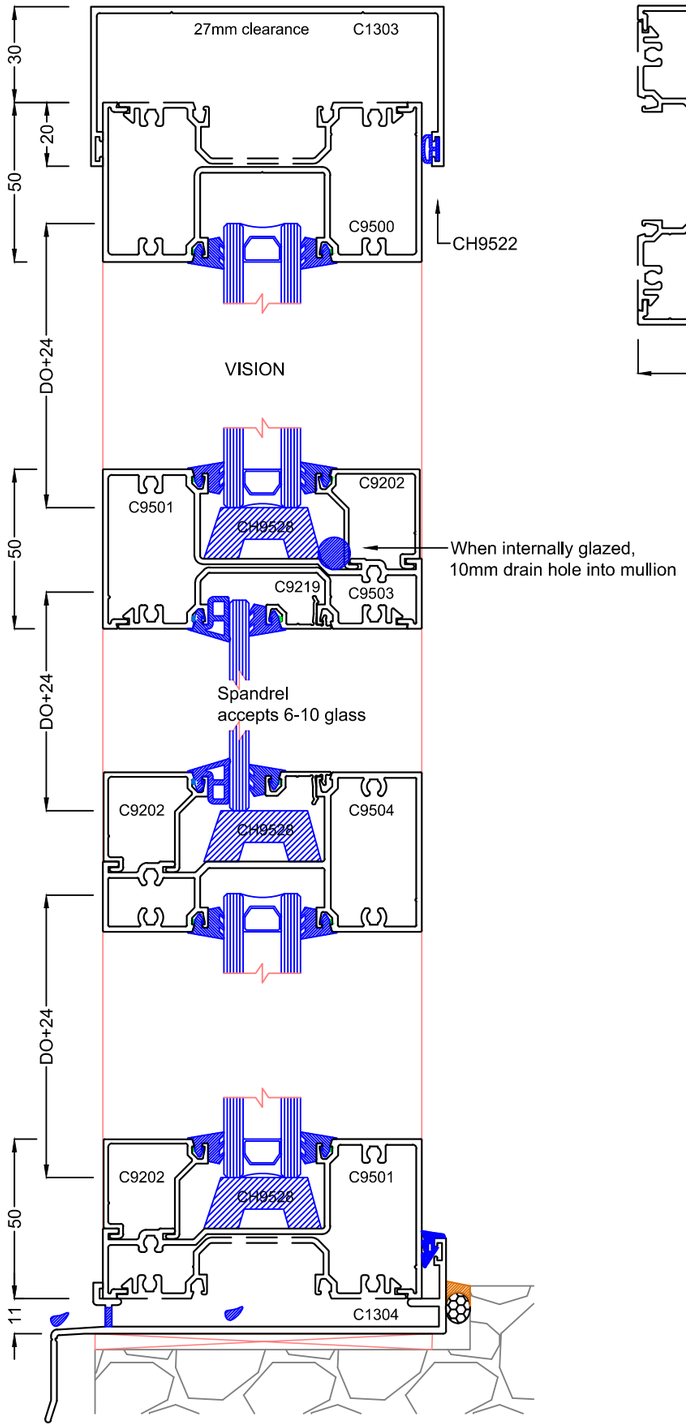
44mm Head & Sill & 120 midrail



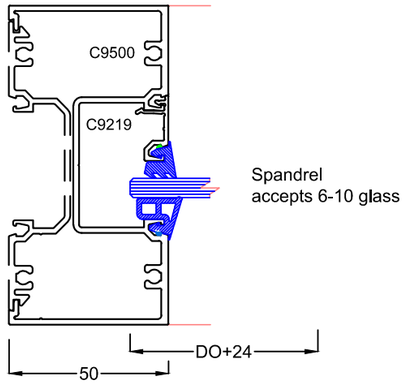
Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket

Max Framing Systems: M100CDG - 6

50mm Head & Sill - Single glazed Spandrel

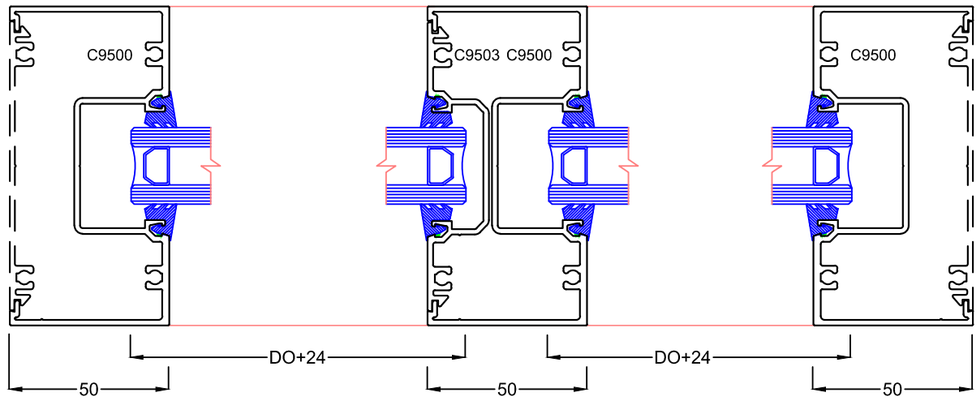


50mm Jamb with Spandrel adaptor



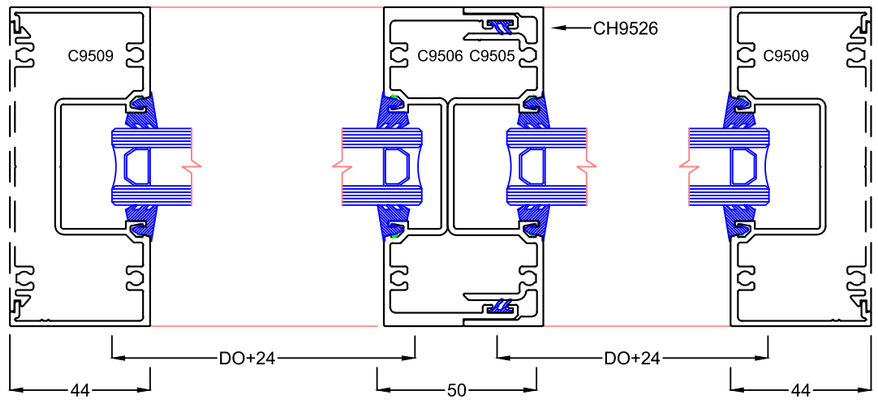
50mm Jamb

Standard Mullion



44mm Jamb

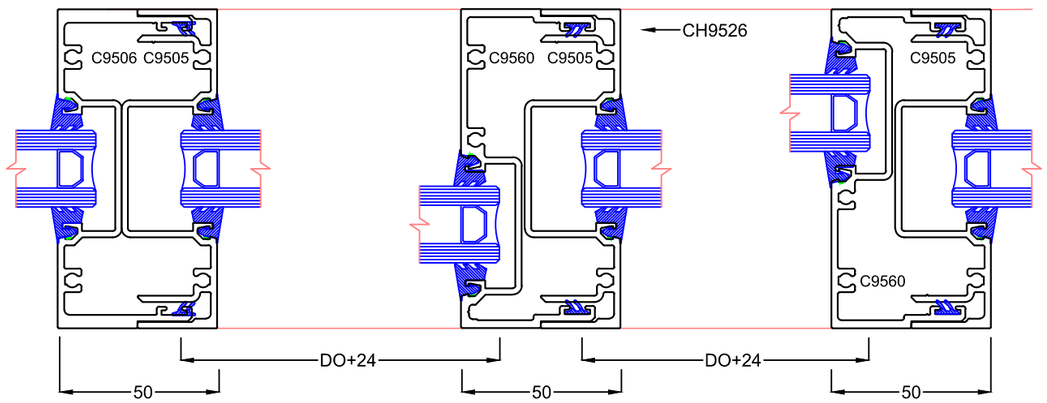
Split Mullion



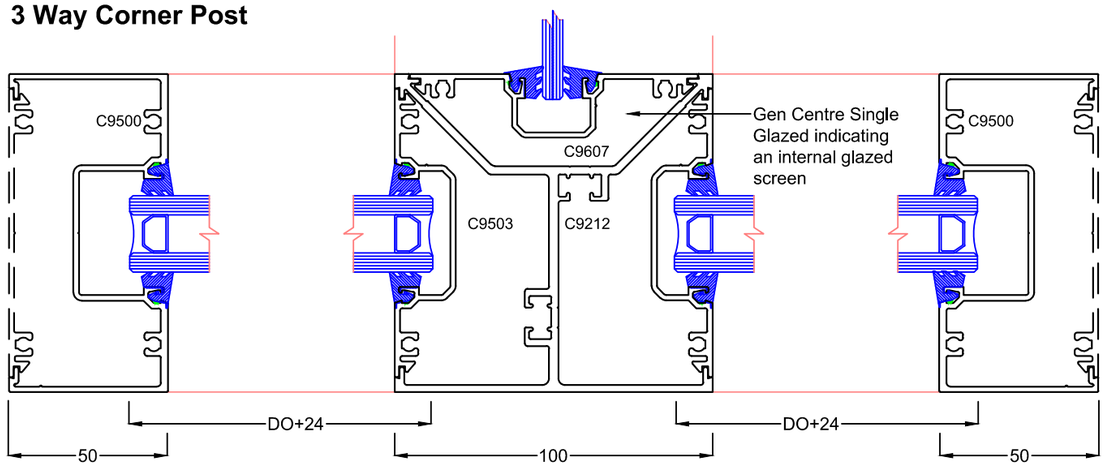
Split Mullion

Centre/Front Mullion

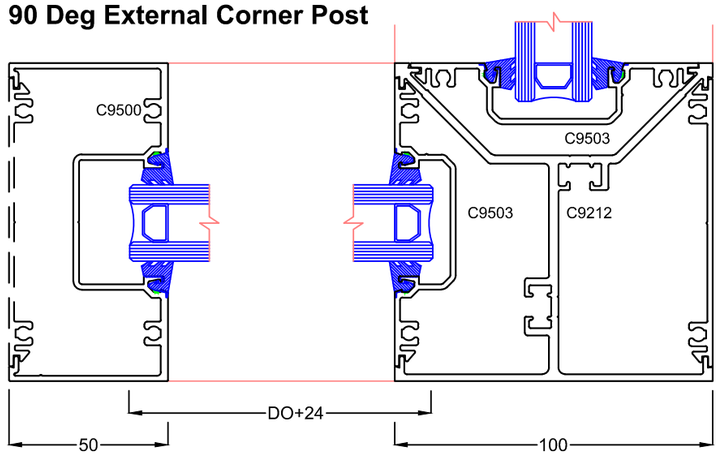
Centre/Front Reversed



Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100CDG - 7
3 Way Corner Post

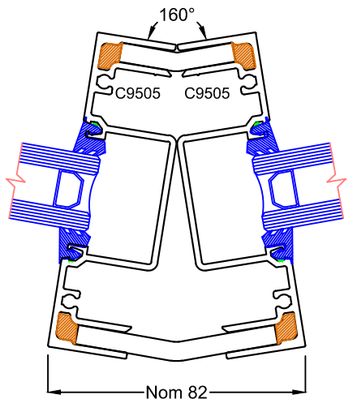


90 Deg External Corner Post

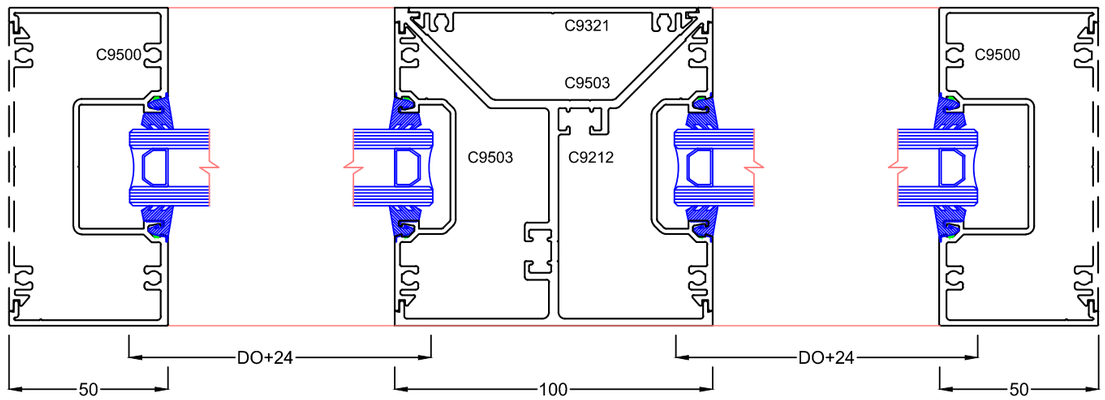


Splayed corner

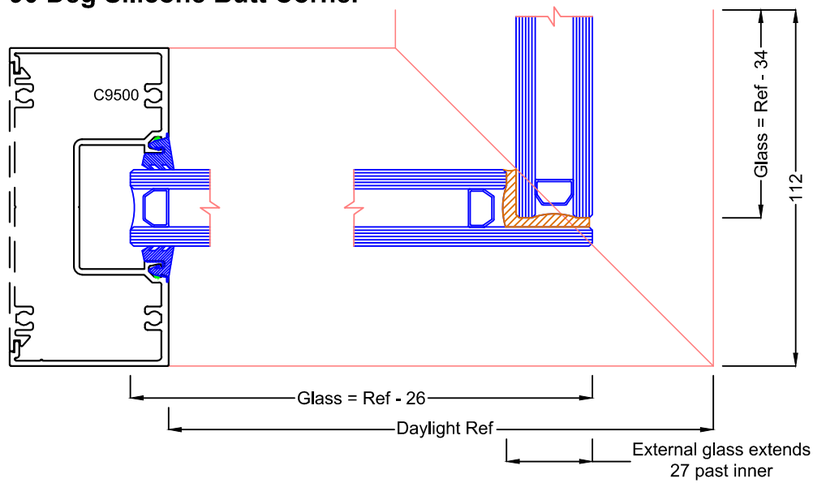
6mm folded aluminium plate sleeved inside mullion, siliconed into place. Angles less than 160' would require mullions to be spread further apart.



180 Degree Post

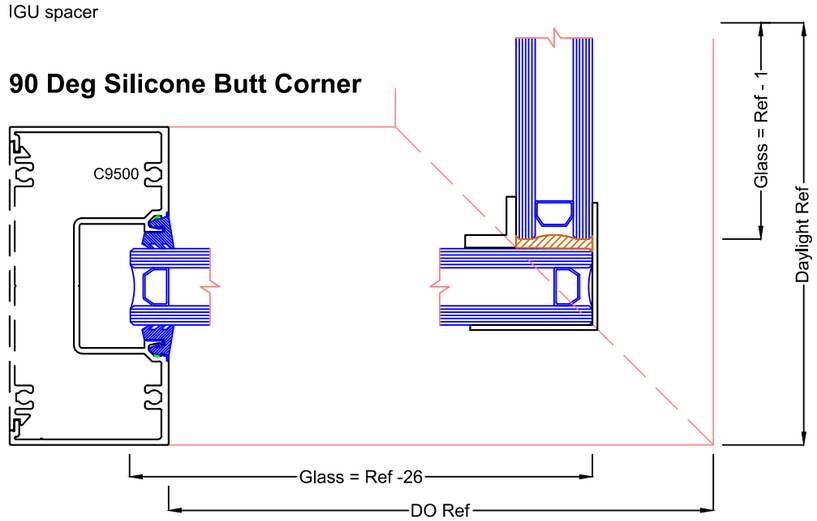


90 Deg Silicone Butt Corner



Silicone butt corners can be done several ways & may not always be aesthetically pleasing as the corner can exhibit a wide black line in the corner from the line of silicone or IGU spacer

90 Deg Silicone Butt Corner

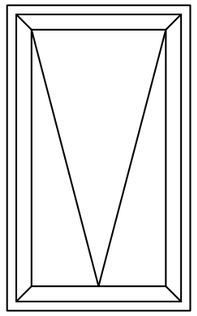


Alternative corner detail depicting aluminium angles both sides to mask the silicone butt.
External 40 x 40 x 1.6 angle
Internal angle (shown) 16 x 16 x 3 or 12 x 12 x 1.6

Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket

Max Framing Systems: M100CDG - 8

Inset Awning Sash

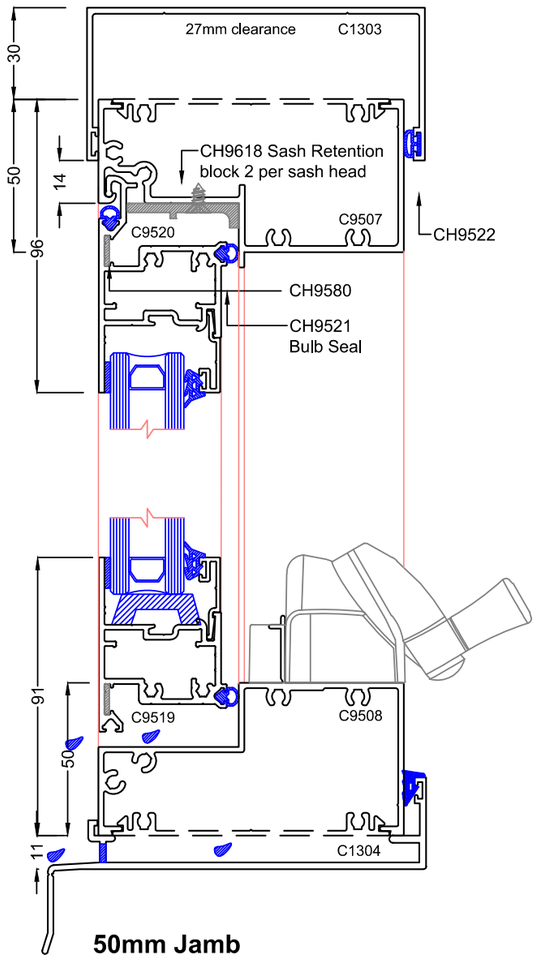


Note:
Maximum Sash weights generally are 30kg for a single chain winder & 70kg for a dual chain winder & 70kg with stays.

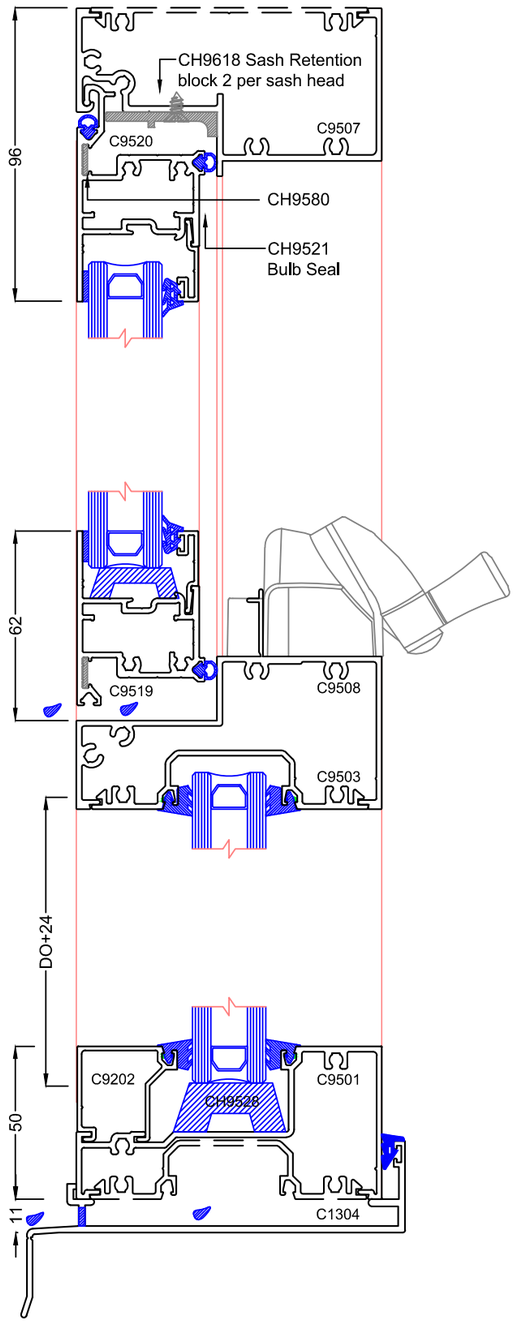
- Max Sash Height: 1600mm
- Min Sash Width: 450mm
- Max Sash Width: 1200mm
- Glass: 6mm - 28mm
- Accepts Q-Lon acoustic seals

Please refer the Sashes segment in the catalogue for further information on sash limits & hardware selection.

50mm Hinge Head & Winder Sill

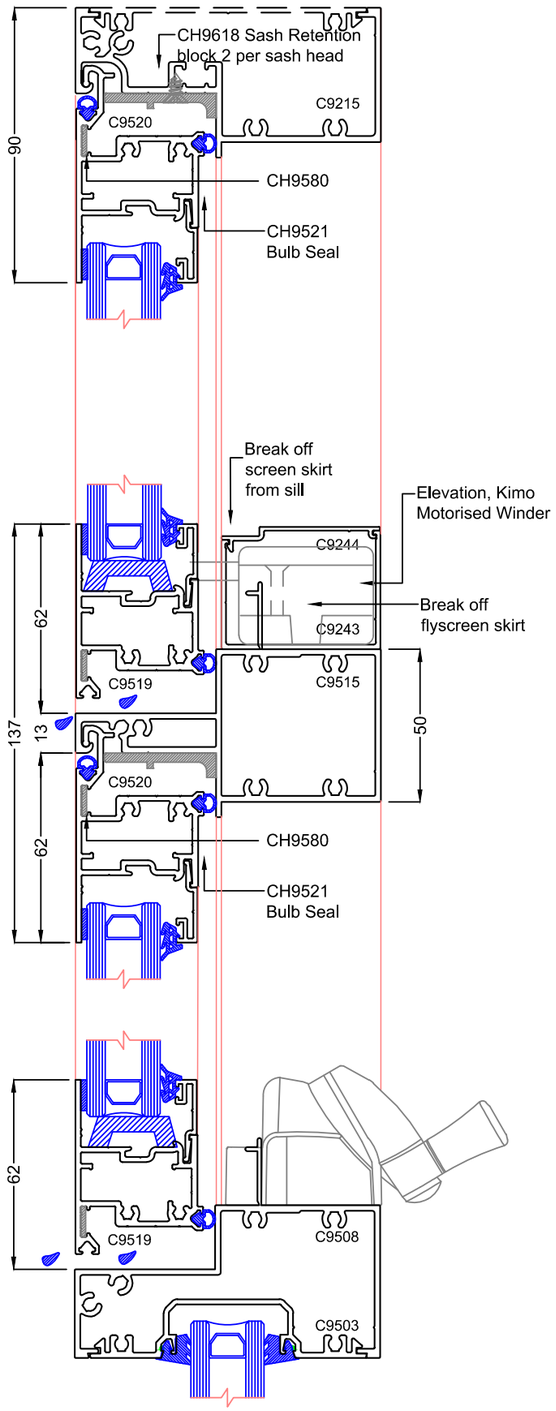


Inset Awning Sash - Winder Transom

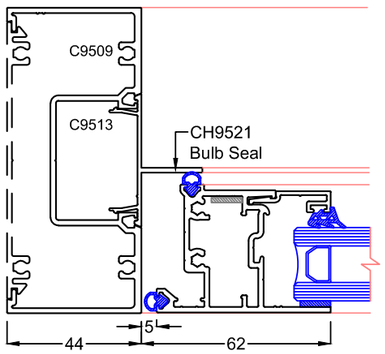


Double Winder Transom

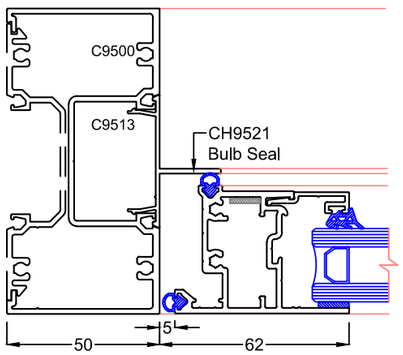
Motorised winder detailed on highlight & concealed winder box (50kg Sash weight). Note transom only suits hinge head sash



44mm Jamb



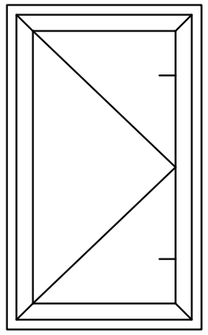
50mm Jamb



Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket

Max Framing Systems: M100CDG - 9

Inset Casement Sash

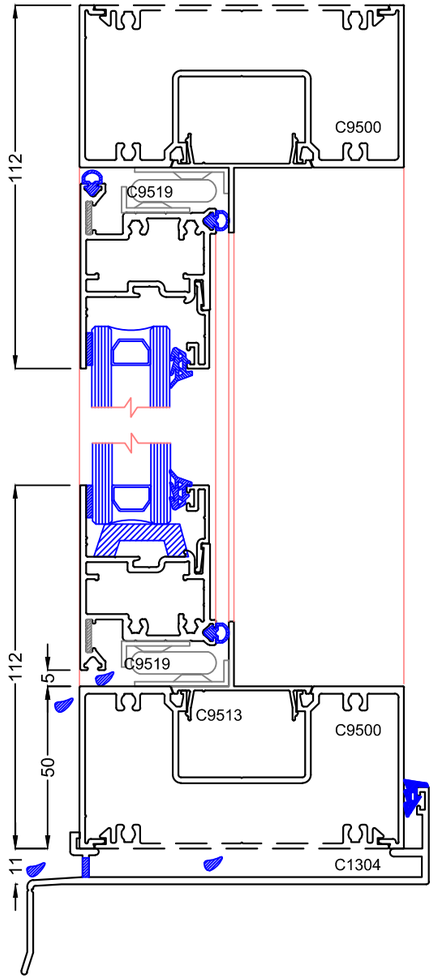


Note:
Left Hand Sash depicted
Maximum Sash weights generally are 30kg, limited by the hardware.

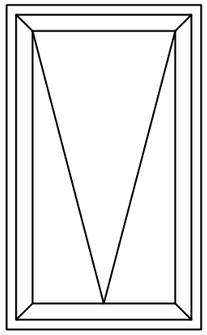
- Max Sash Height: 1600mm
- Min Sash Width: 450mm
- Max Sash Width: 1200mm
- Glass: 5mm - 35mm
- Maximum Sash width is 900mm.
- Accepts Q-Lon acoustic seals

Please refer the Sashes segment in the catalogue for further information on sash limits & hardware selection.

50mm Head & Sill



46mm Overlap Awning Sash



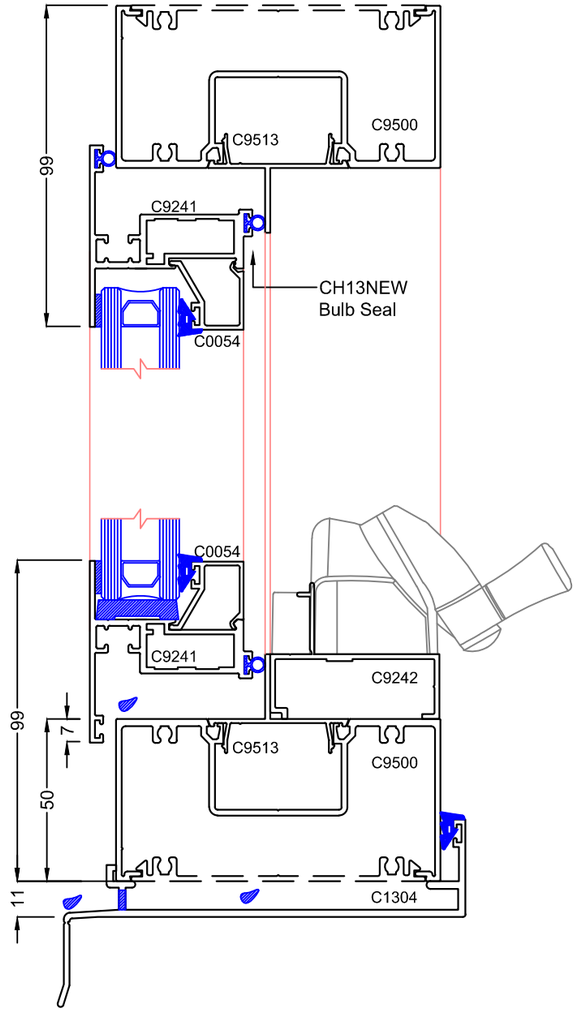
Note:
Maximum Sash weights generally are 30kg for a single chain winder & 70kg for a dual chain winder & 70kg with stays.

- Max Sash Height: 1600mm
- Min Sash Width: 450mm
- Max Sash Width: 1200mm
- Glass: 6mm - 35mm
- Accepts Q-Lon acoustic seals

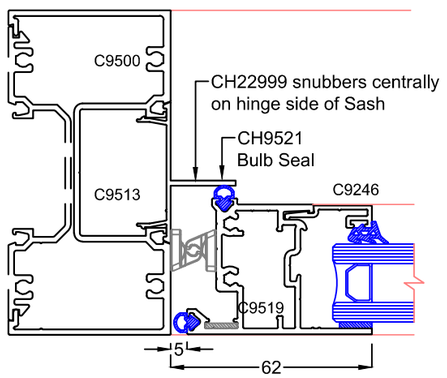
Please refer the Sashes segment in the catalogue for further information on sash limits & hardware selection.

50mm Head & Sill

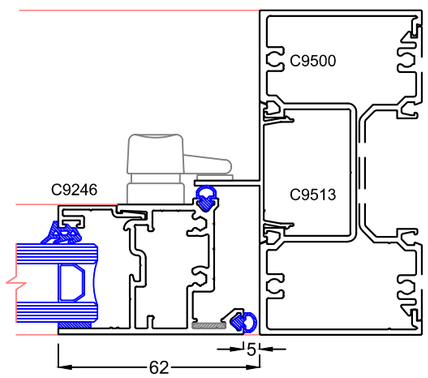
mitred Sash adaptor all round



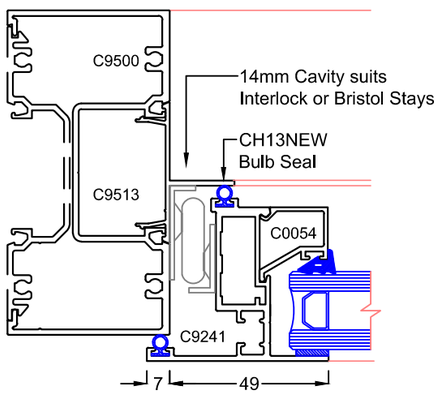
50mm Jamb - "Hinge Side"



50mm Jamb - "Closing Side"

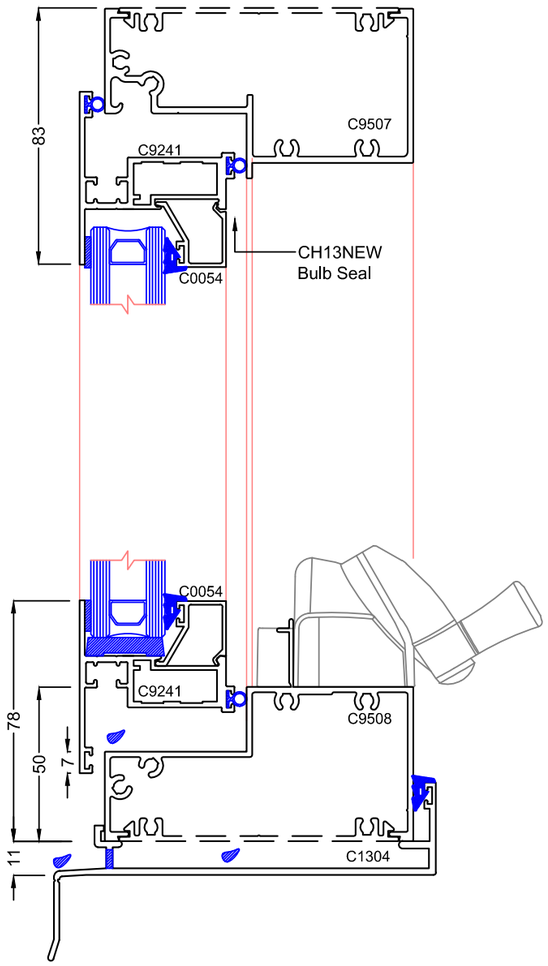


Jamb Detail

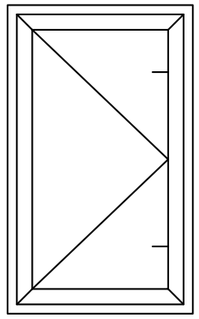


Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100CDG - 10

50mm Hinge Head & Winder Sill



46mm Overlap Casement Sash

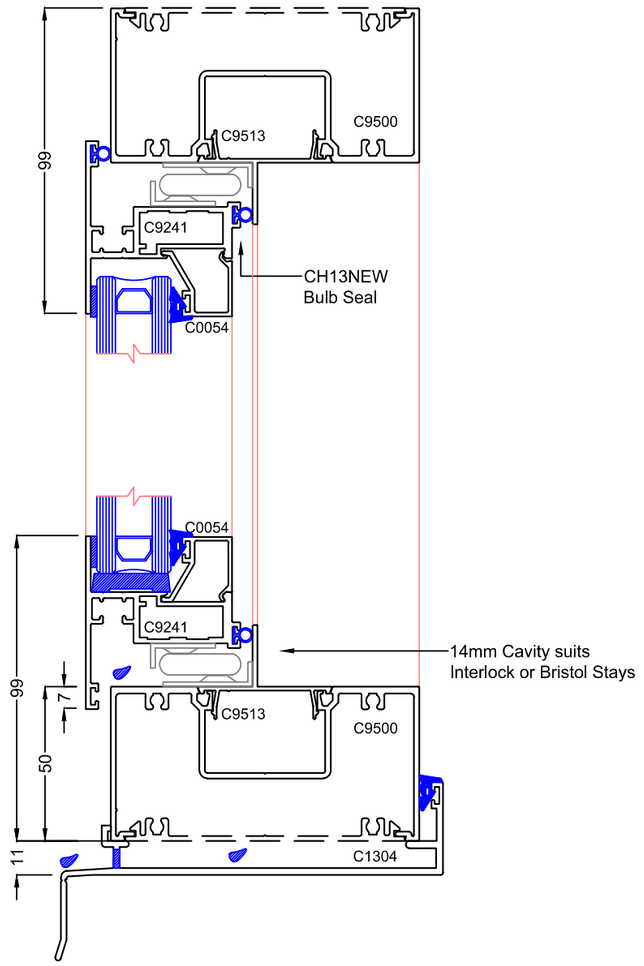


Note:
Left Hand Sash depicted
Maximum Sash weights generally are 30kg, limited by the hardware.

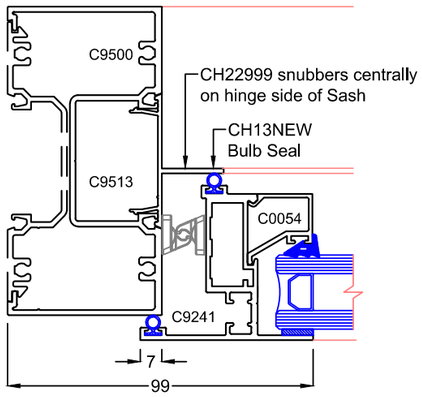
- Max Sash Height: 1600mm
- Min Sash Width: 450mm
- Max Sash Width: 1200mm
- Glass: 5mm - 35mm
- Maximum Sash width is 900mm.
- Accepts Q-Lon acoustic seals

Please refer the Sashes segment in the catalogue for further information on sash limits & hardware selection.

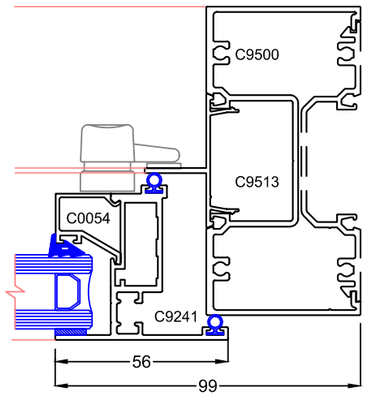
50mm Head & Sill



50mm Jamb

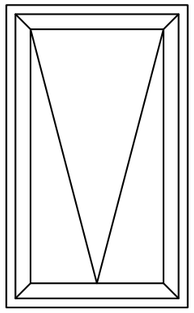


50mm Jamb - "Closing Side"



Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100CDG - 11

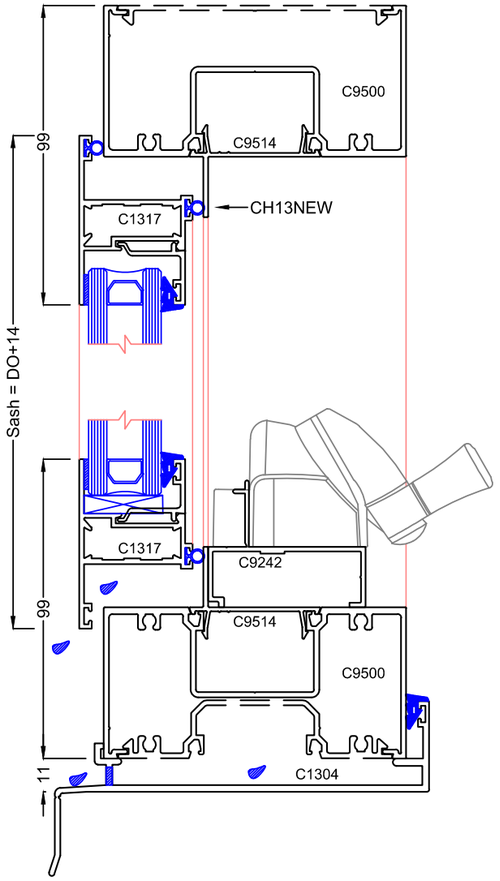
35mm Overlap Awning Sash



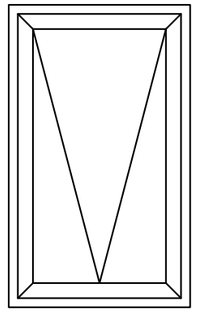
Note:
Maximum Sash weights generally are 30kg for a single chain winder & 70kg for a dual chain winder & 70kg with stays.
- Max Sash Height: 1600mm
- Min Sash Width: 450mm
- Max Sash Width: 1200mm
- Glass: 6mm - 24mm
- Accepts Q-lon acoustic seals

Please refer the Sashes segment in the catalogue for further information on sash limits & hardware selection.

50mm Head & Sill



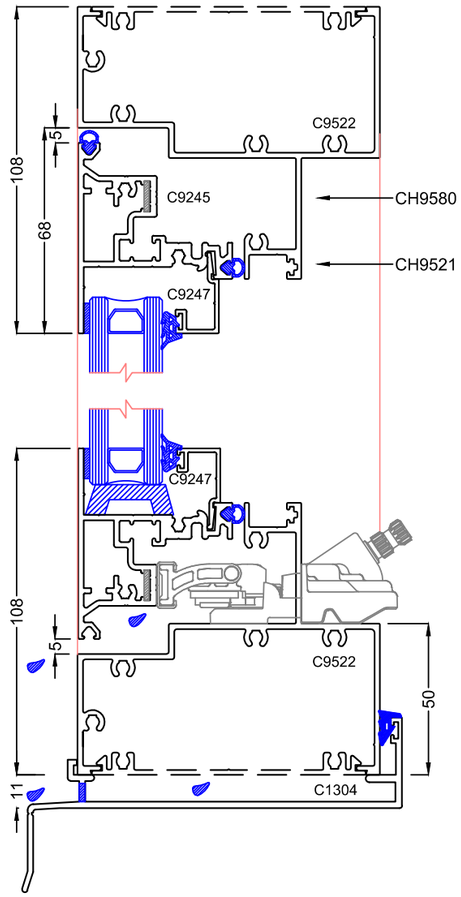
Truth Awning Sash



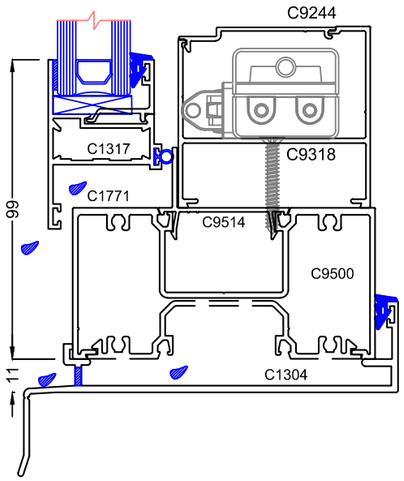
Note:
Maximum Sash weights generally up to 100kg, limited by the hardware.
- Max Sash Height: 2100mm
- Min Sash Rebate: 450mm
- Max Sash Width: 1200mm
- Sash width dependant on Sash height
- Multi-lock should be used on Sashes
- over 1600mm high.

Please refer the Sashes segment in the catalogue for further information on sash limits & hardware selection.

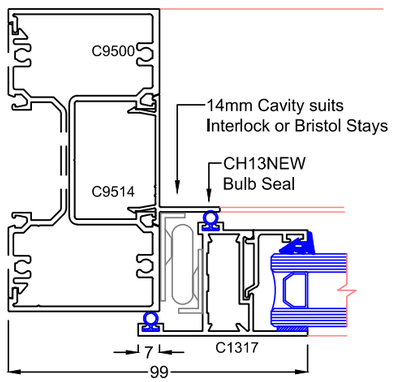
Truth Awning Sash Head & Sill



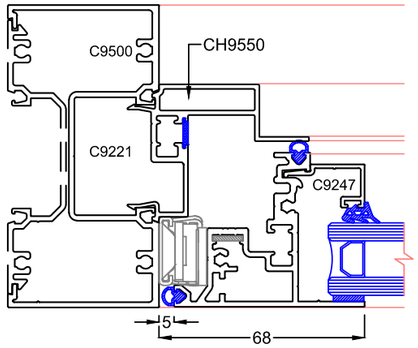
Motorised Winder box
accepts Elevation, Kimo or D&H Mechatronics CDC200



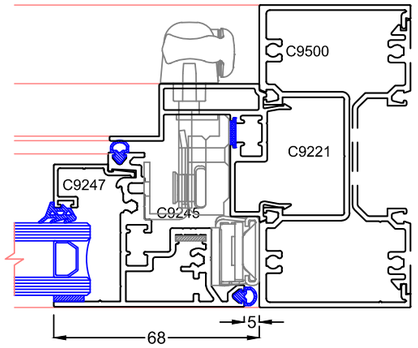
50mm Jamb



50mm Jamb - "Hinge Side"

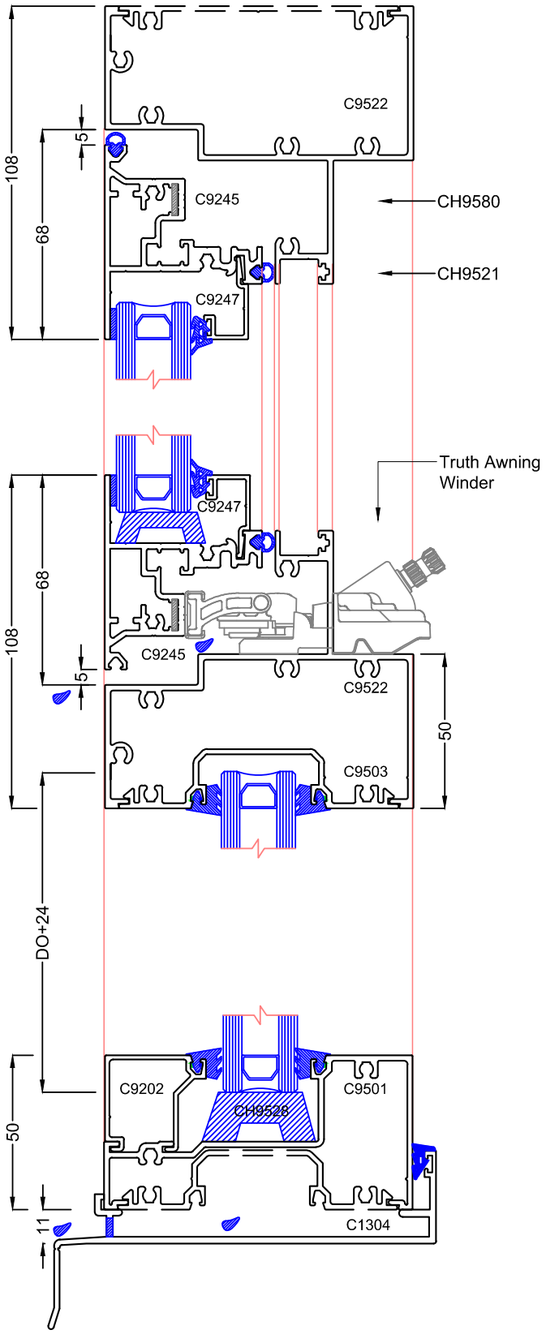


50mm Jamb with multi lock

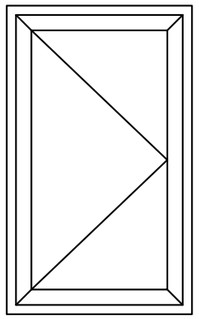


Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100CDG - 12

Truth Transom Awning Sash



Truth Casement Sash

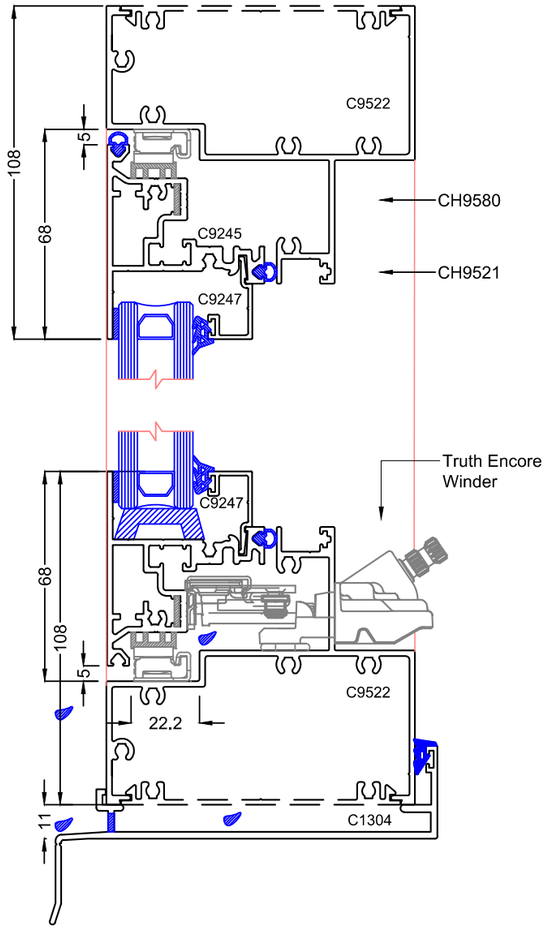


Note:
Left Hand Sash depicted
Maximum Sash weights generally are 70kg, limited by the hardware.

- Maximum Sash width is 900mm.
- Multi-point lock should be used on Sashes over 1600mm high.

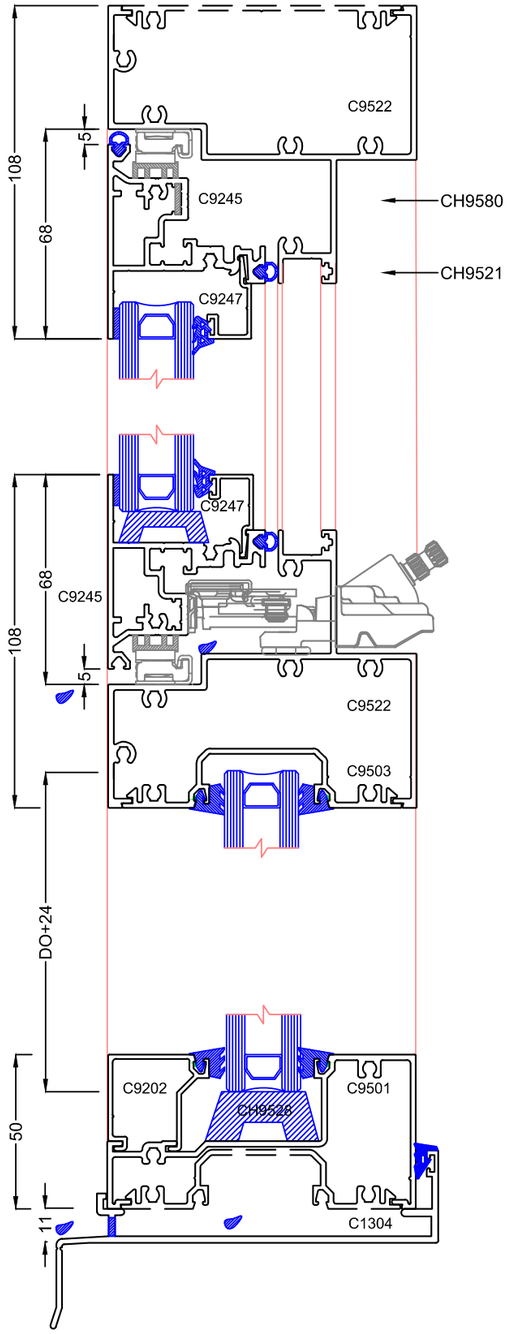
Please refer the Sashes segment in the catalogue for further information on sash limits & hardware selection.

Truth Casement Sash Head & Sill

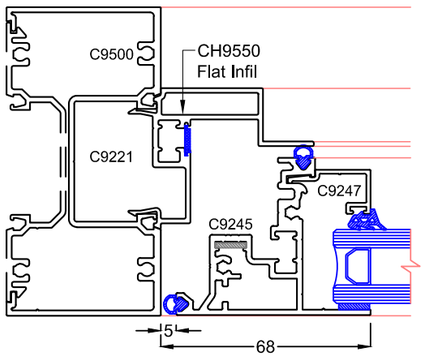


23613 packer on top of casement stay

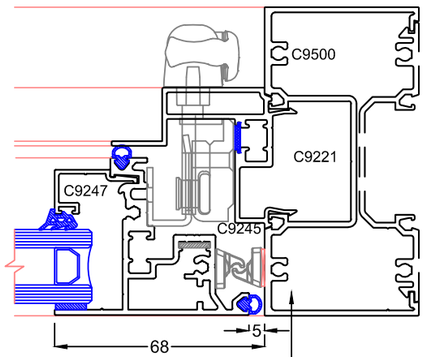
Truth Transom Casement Sash



50mm Jamb - "Hinge Side"



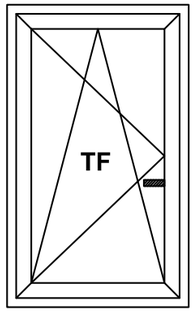
50mm Jamb - "Closing Side"



Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket

Max Framing Systems: M100CDG - 13

Tilt & Turn Sash (Tilt First)

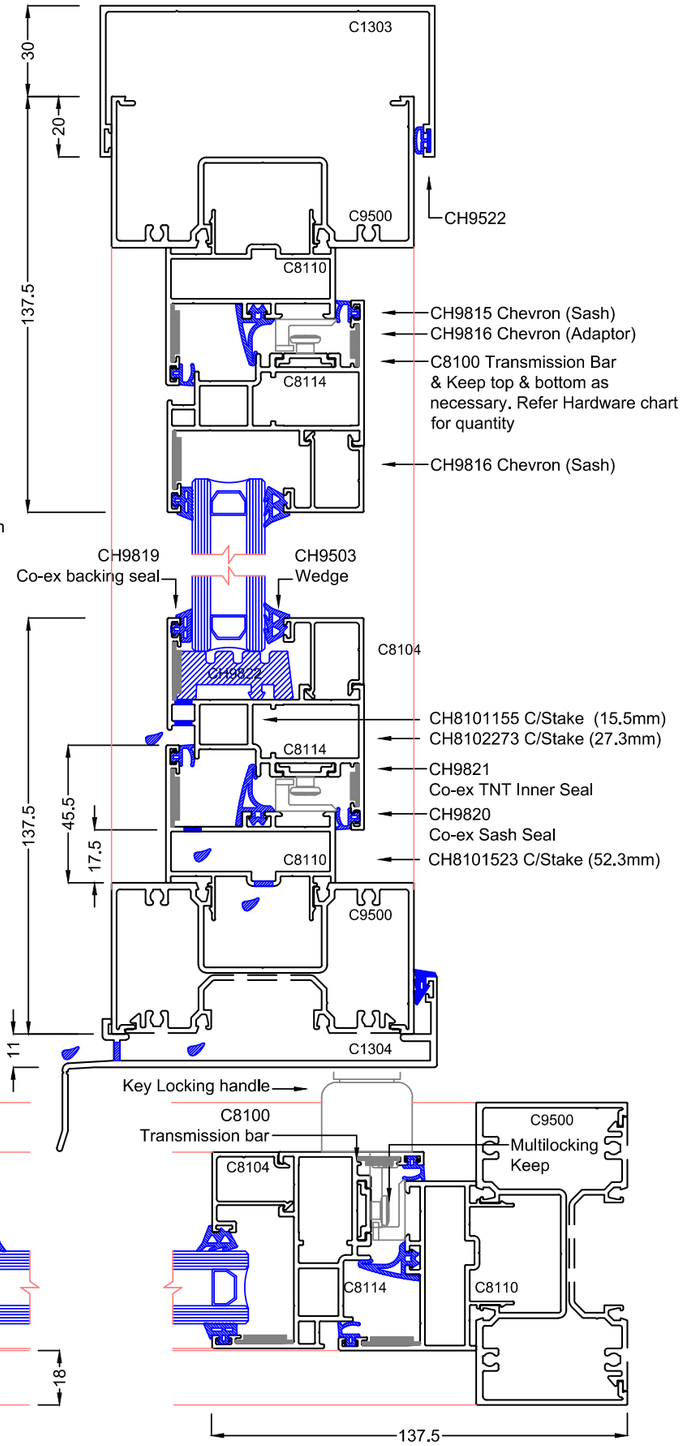


Note:

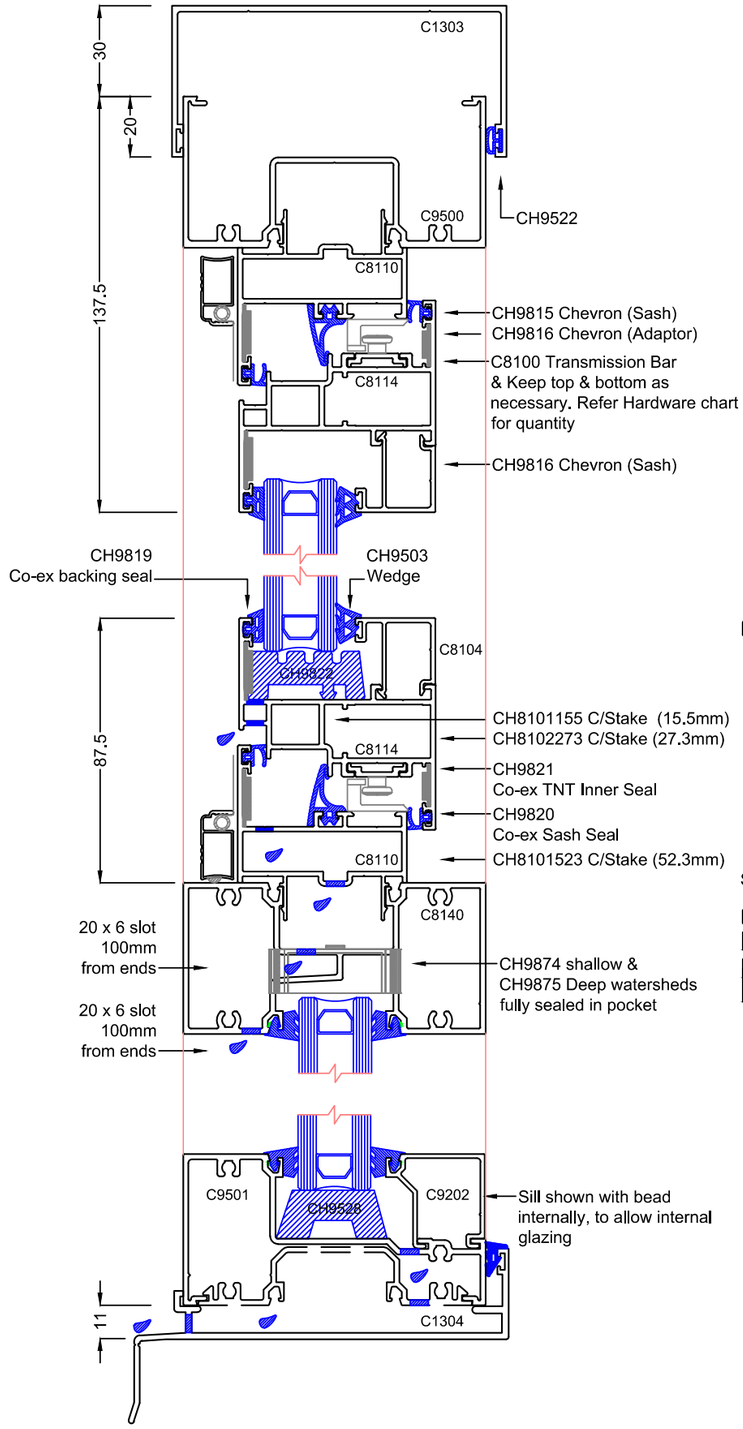
- Maximum Sash weights generally are 150kg with concealed hardware. Refer Hardware specification
- Heavier hardware options are available
- handle Operated key locking
- Initial tilt in, then key override to hinge as standard function
- Sash height must exceed Sash width. - a tilt only option may be available in this condition
- Min Sash Height: 555 (590 daylight opening)
- Min Sash Width: 500 (590 daylight opening)
- Max Sash Width: 1300 (1335 daylight opening)
- 150kg sash weight
- Glass: 24mm - 37mm IGU

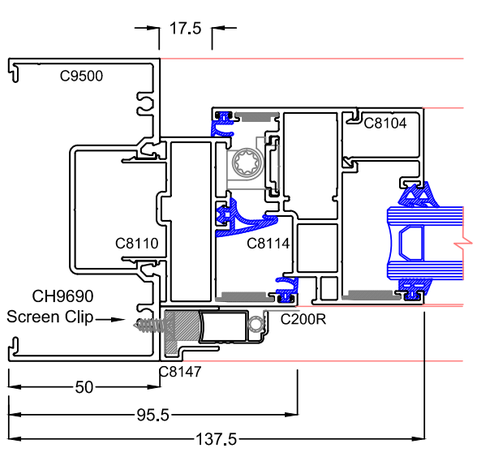
Please refer the Sashes segment in the catalogue for further information on sash limits & hardware selection.

50mm Head & Sill



Tilt & Turn Sash with drained Transom

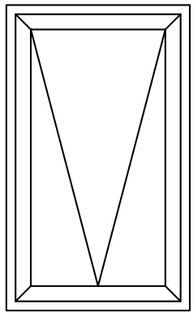




Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket

Max Framing Systems: M100CDG - 14

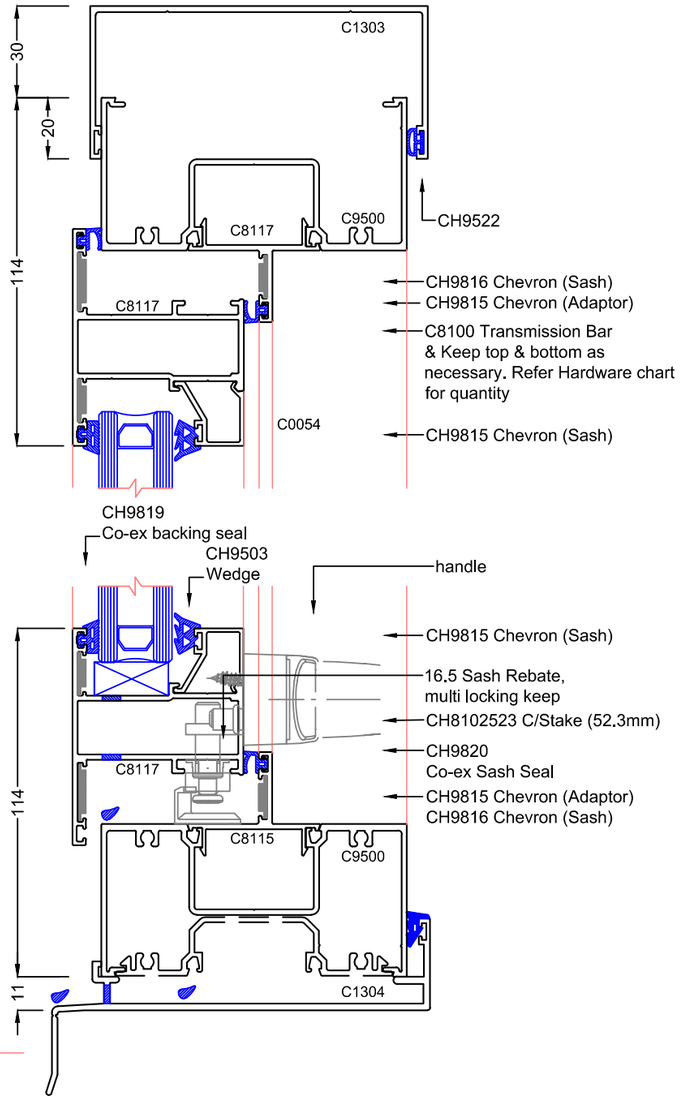
Multi Locking Awning Sash

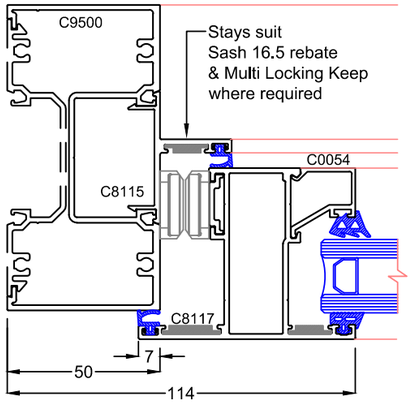


Note:
- Adapts to Max 100 Centre Glazed, 150 Offset, 100 & 150 Front Glazed
- Maximum Sash weights generally are 130kg. Refer Hardware specification
- handle Operated key locking & multi locking
- Not recommended for use with winders
- Max Sash Height: 2100mm
- Max Sash Width: 1200mm
- Glass: 24-28mm IGU

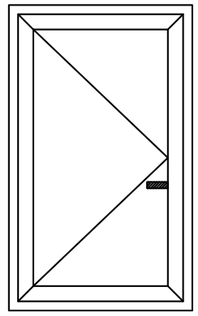
Please refer the Sashes segment in the catalogue for further information on sash limits & hardware selection.

50mm Head & Sill





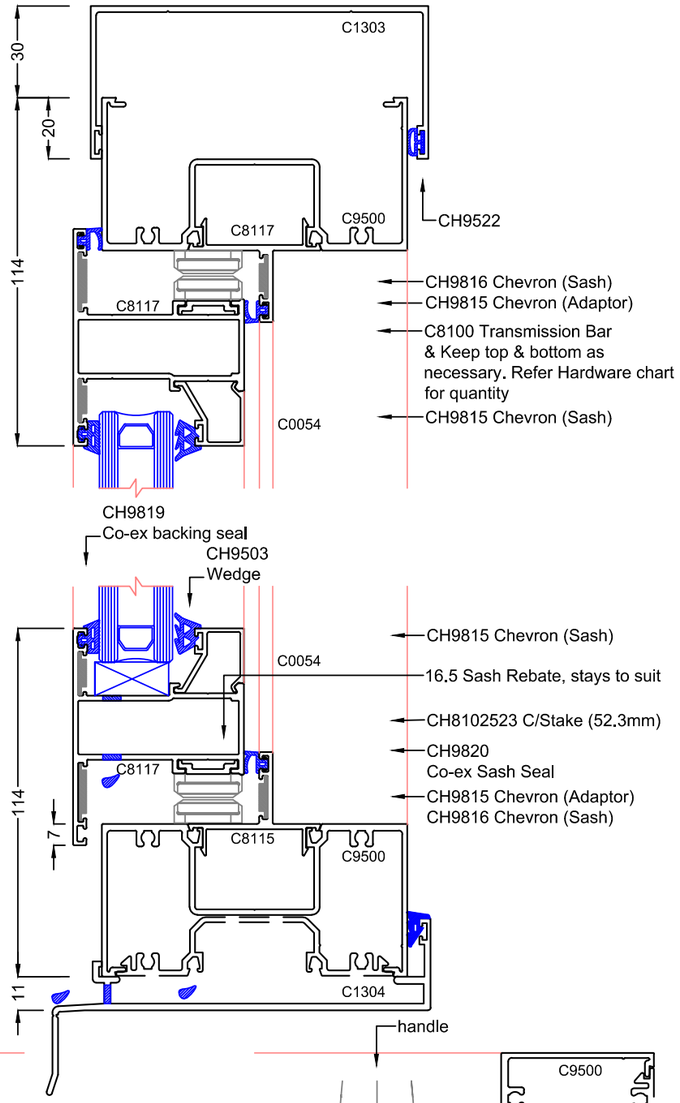
Multi Locking Casement Sash

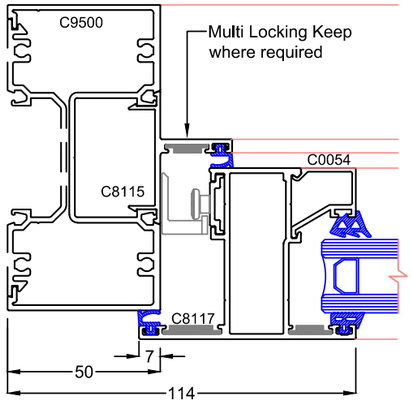


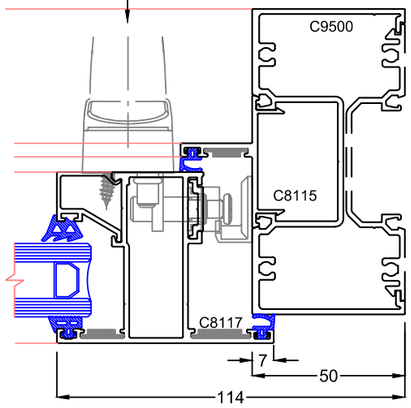
Note:
Left Hand Sash depicted.
Maximum Sash weights generally are 72kg with HD casement stays Refer Hardware specification
- handle Operated key locking
- Multi Locking points available for security & strength
- Max Height 2100mm
- Max width 900mm
- Glass: 24-28mm IGU

Please refer the Sashes segment in the catalogue for further information on sash limits & hardware selection.

50mm Head & Sill



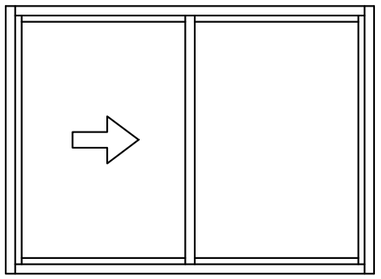




Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket

Max Framing Systems: M100CDG - 15

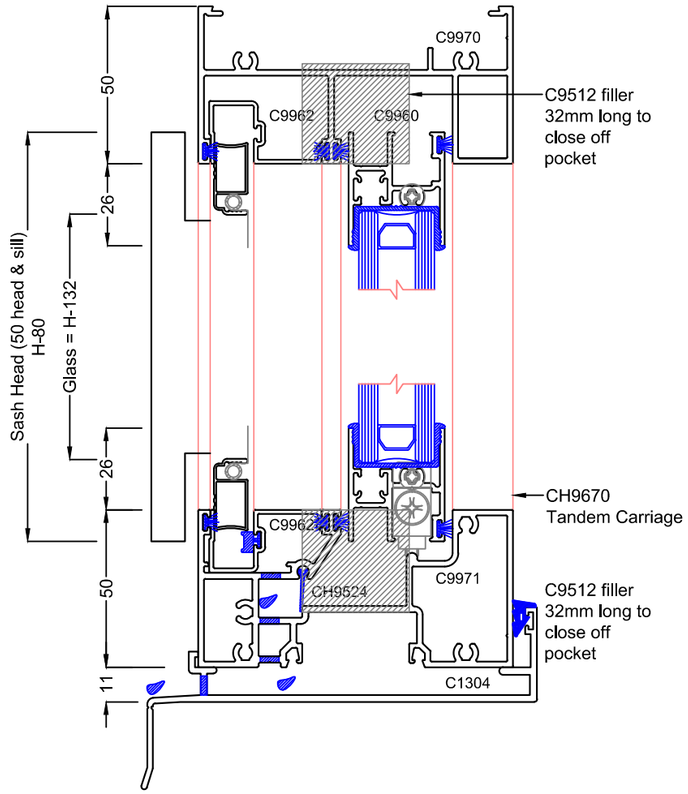
Max Sliding Window



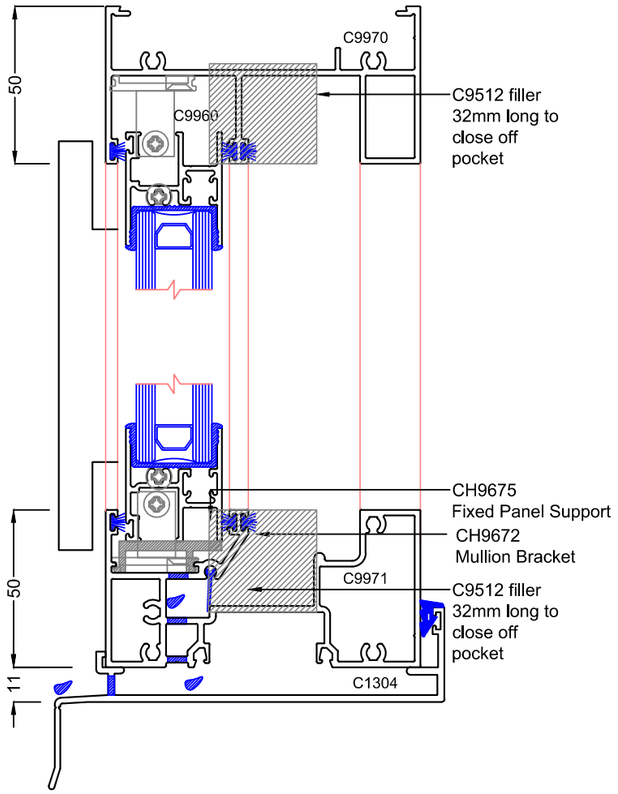
Note:
- Compatible with Max 100 Centre Glaze
- Non key handle as standard
- Maximum Sash weights 40kg
- Max Sash Height 1800mm
- Max Sash width 1500mm
- Glass: 20-24mm IGU

Please refer the Sashes segment in the catalogue for further information on sash limits & hardware selection.

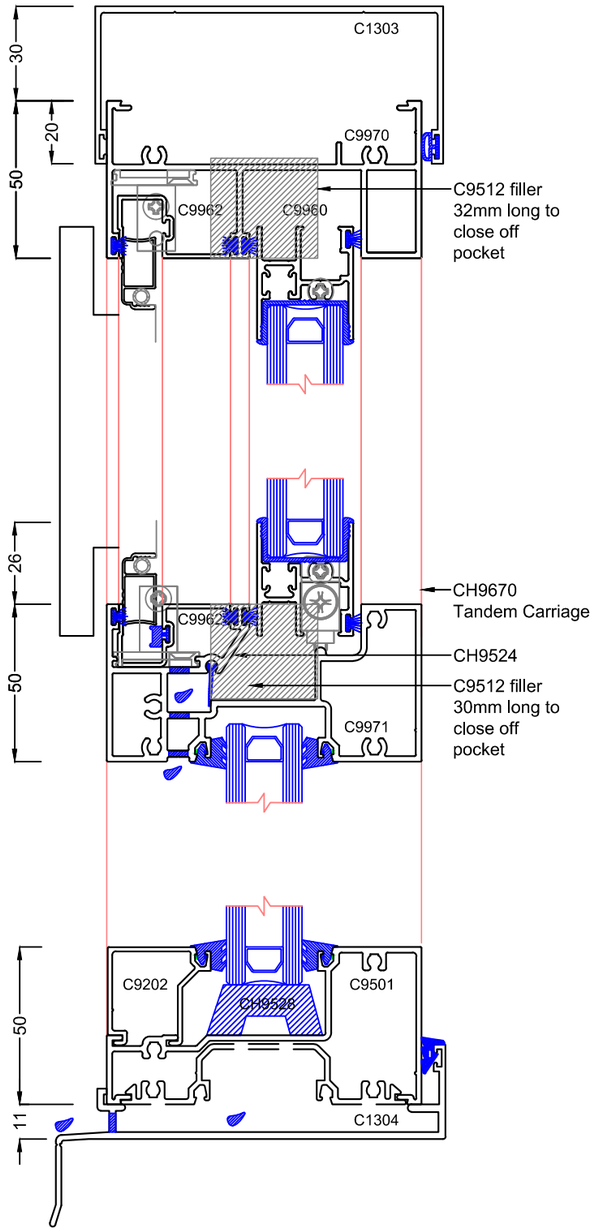
Section through Sliding Panel



Section through Fixed Panel

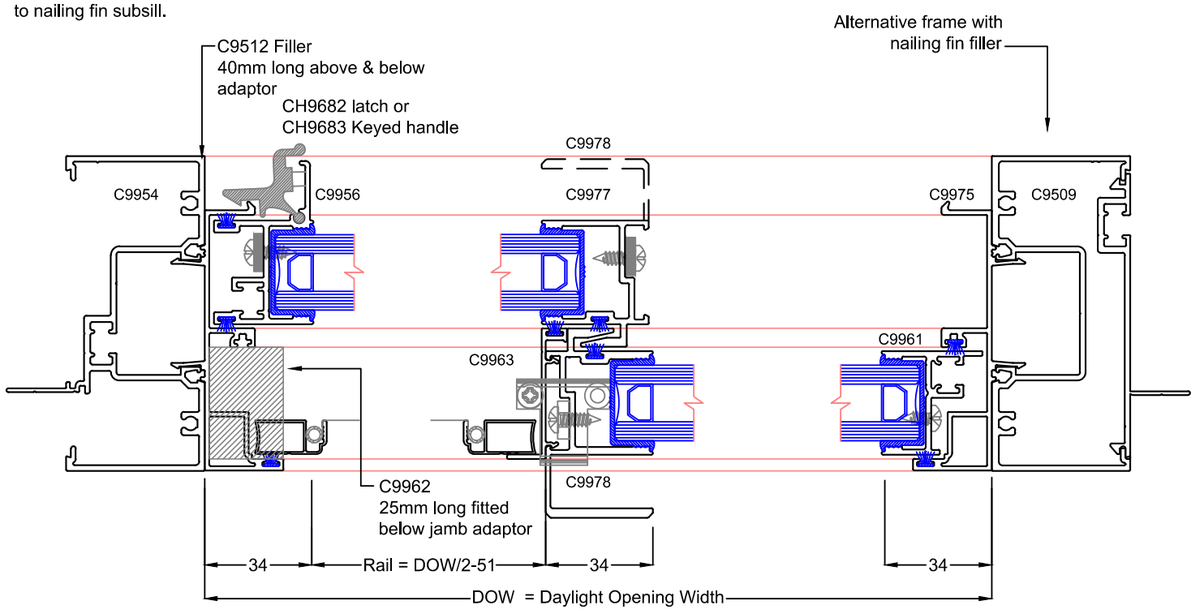


Transom Sliding Window



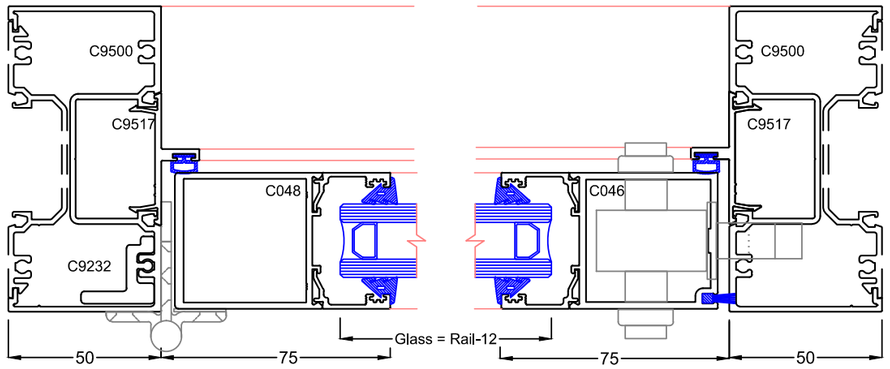
44mm Nailing Fin Frame & Nailing fin subsill

Shaded areas indicate sealing of frame to nailing fin subsill.

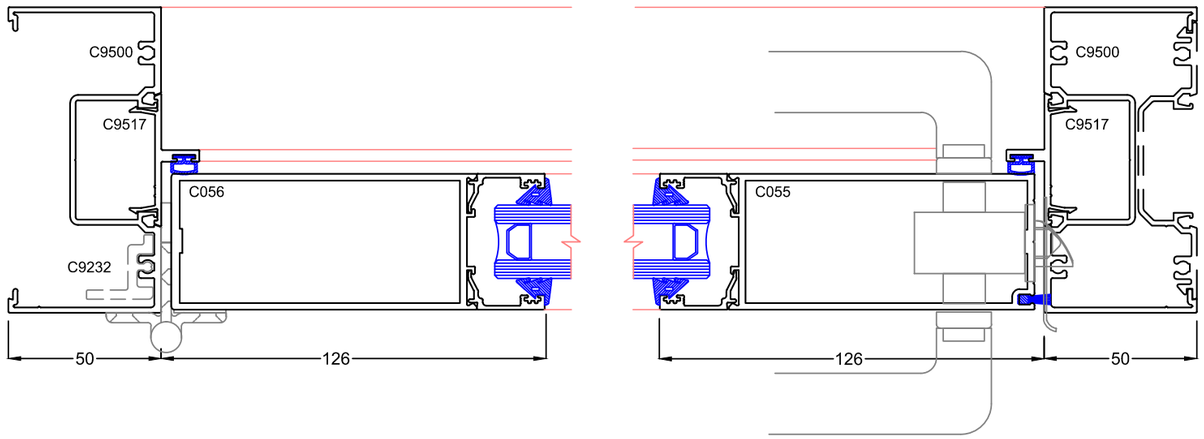


Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100CDG - 16

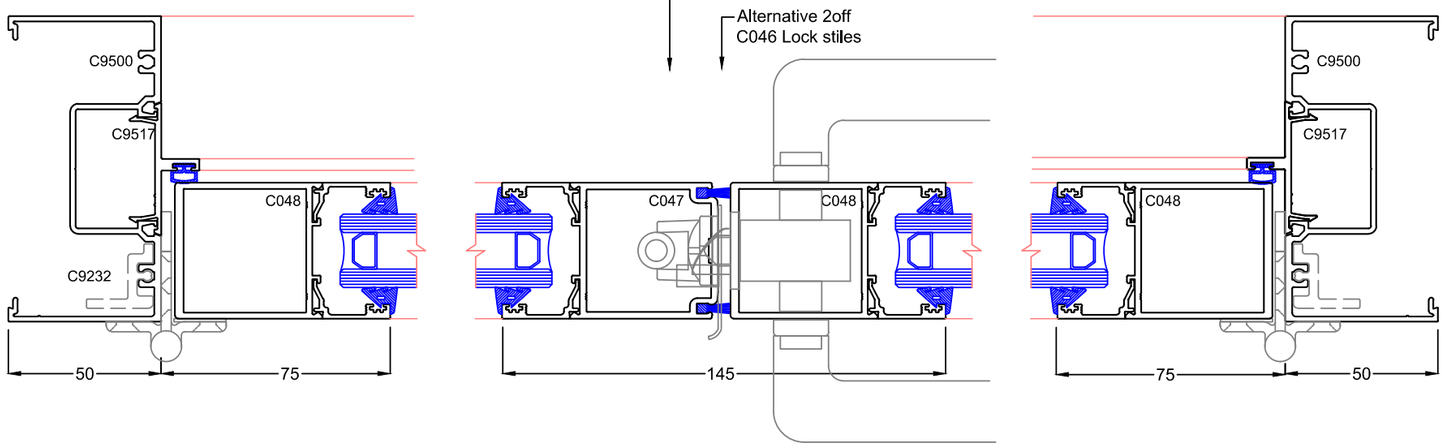
Left Hand Open OUT Door



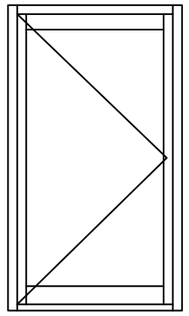
Left Hand Open OUT Door with Wide Plain & Lock Stile



Pair of Open OUT Hinged doors

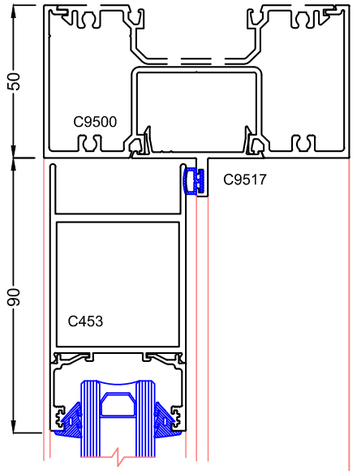


Hinged Door Open OUT

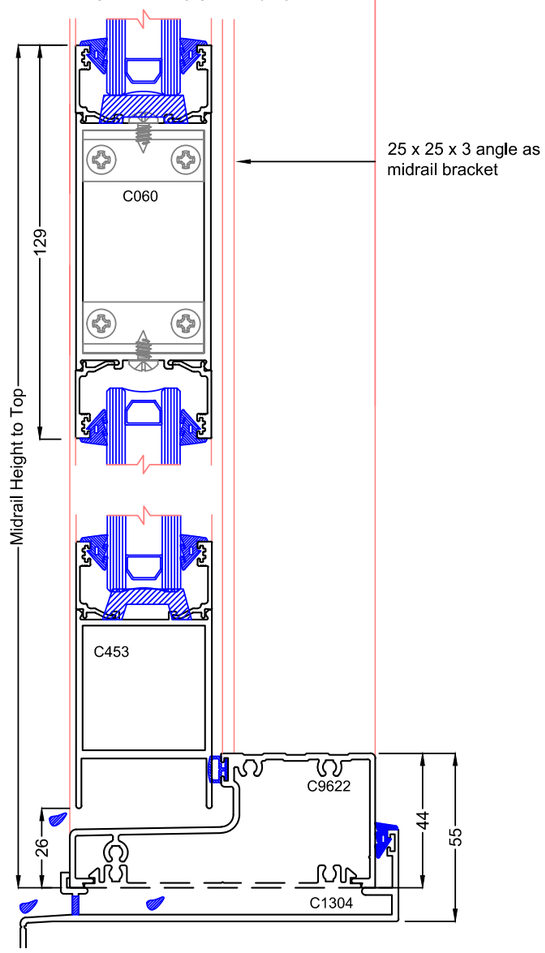


Note:
Maximum Door height 2700mm
Maximum Panel width 1000mm

45mm Beaded Door Open OUT

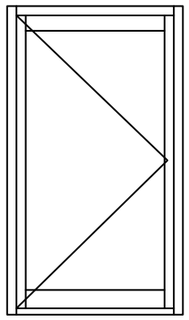


129mm Door Midrail



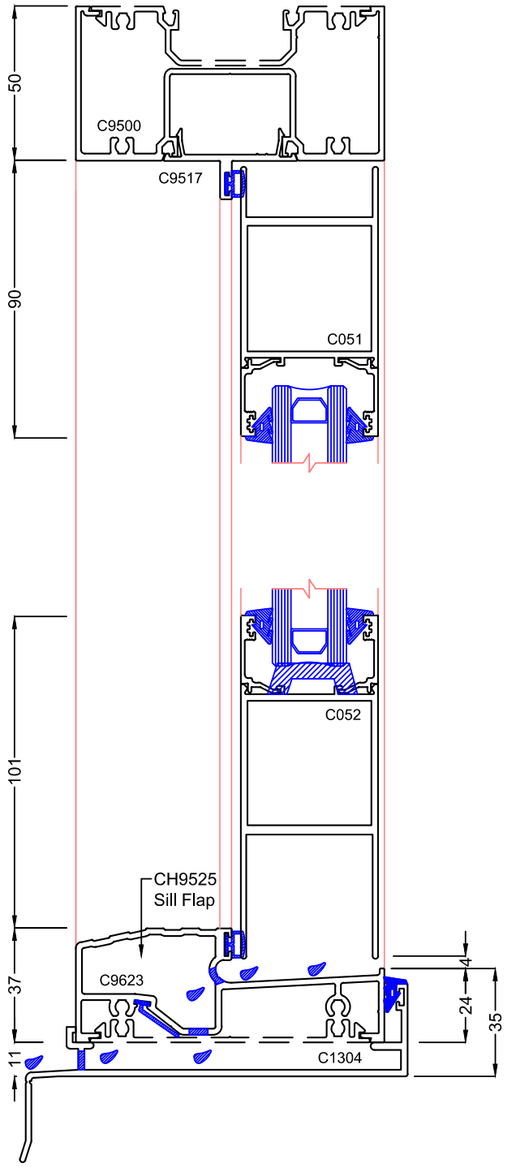
Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100CDG - 17

Hinged Door Open IN

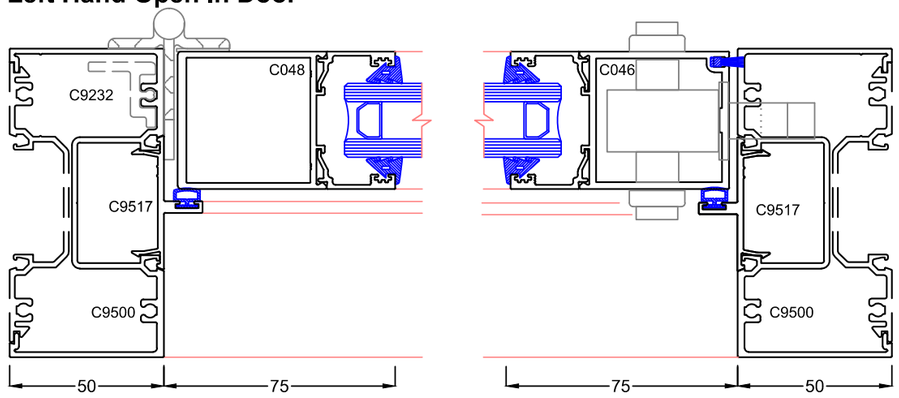


Note:
Maximum Door height 2700mm
Maximum Panel width 1000mm

45mm Beaded Door Open IN

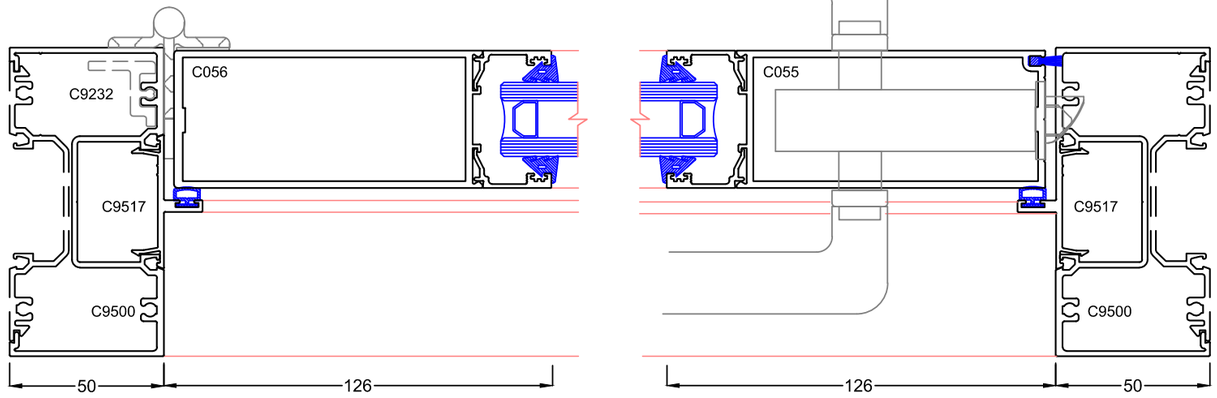


Left Hand Open In Door

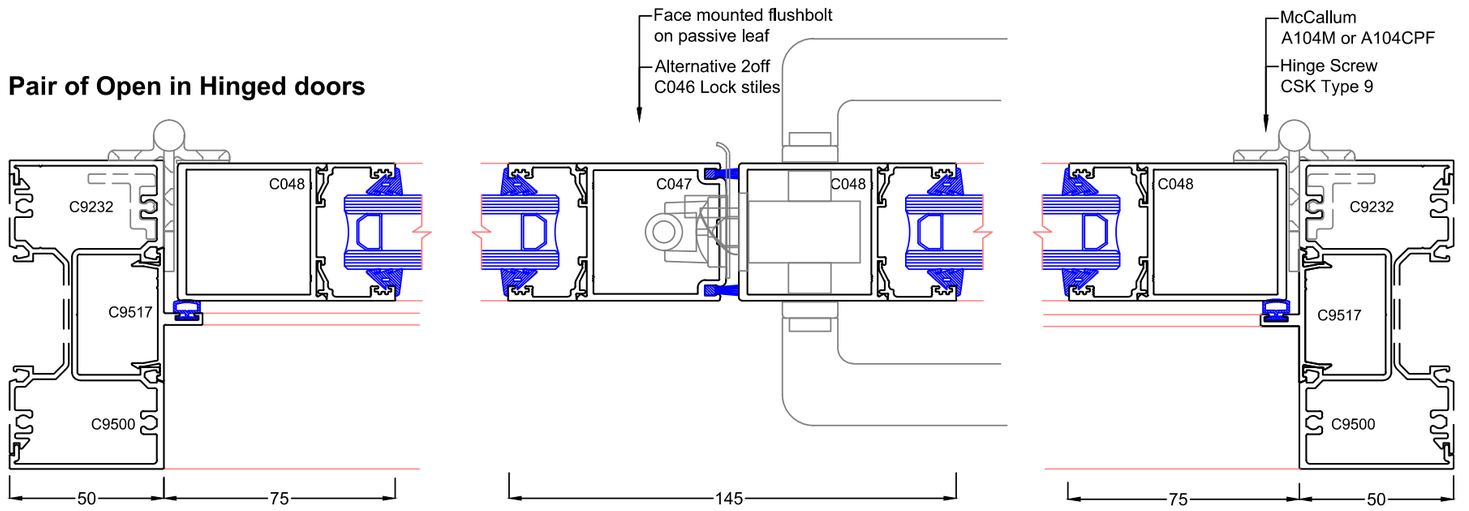


Left Hand Open in Door with Wide Plain & Lock Stile

Deep rails are usually used with wide stiles to accentuate the door leaf.

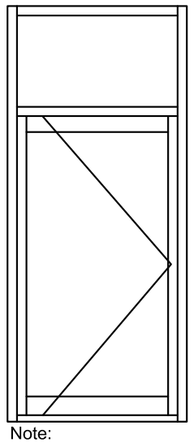


Pair of Open in Hinged doors



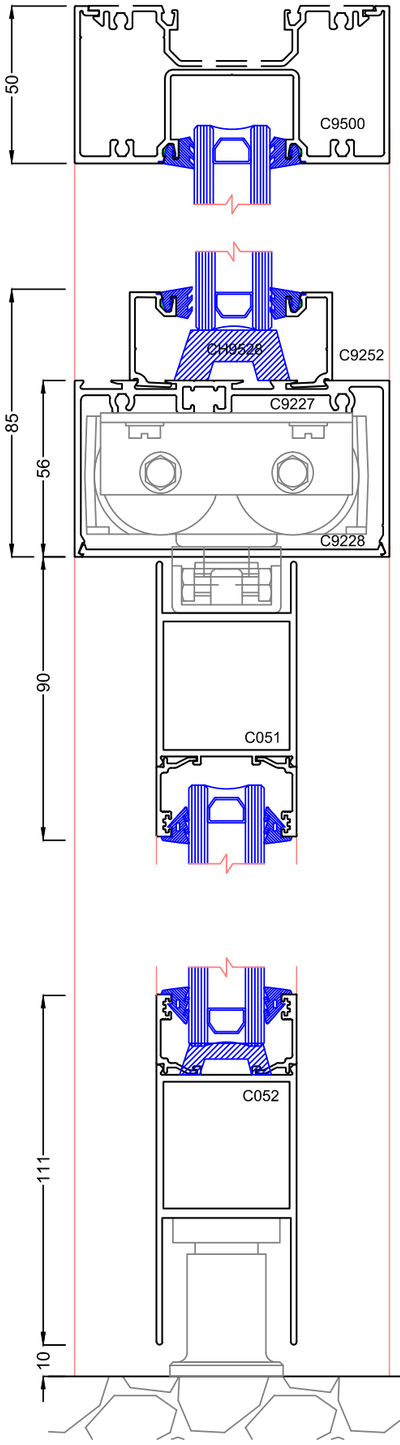
Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100CDG - 18

Pivot Doors

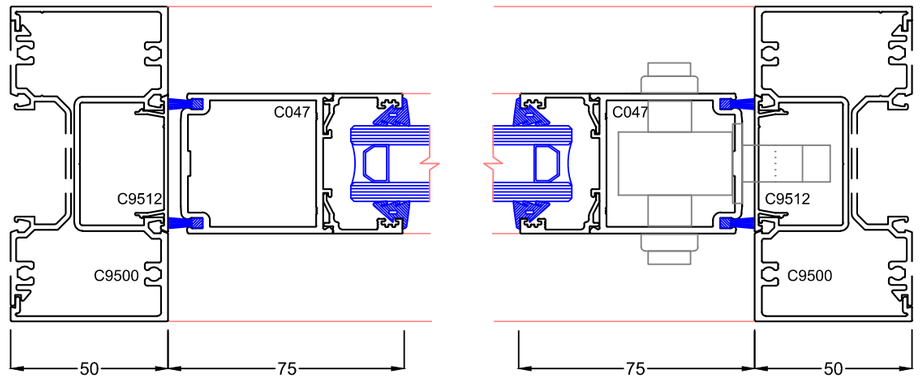


Note:
Maximum Door height 2700mm
Maximum Panel width 1000mm
Pivot point usually 100mm

45mm Beaded Pivot Door

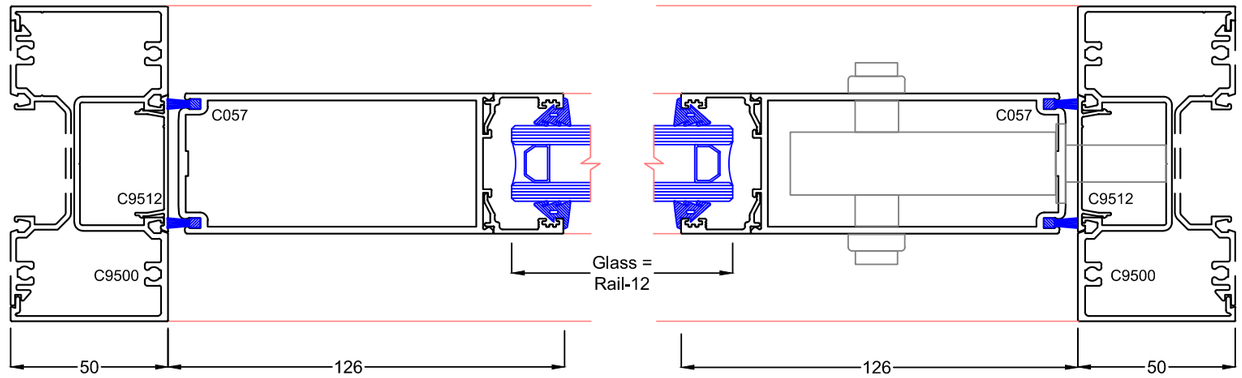


Left Hand Pivot Door

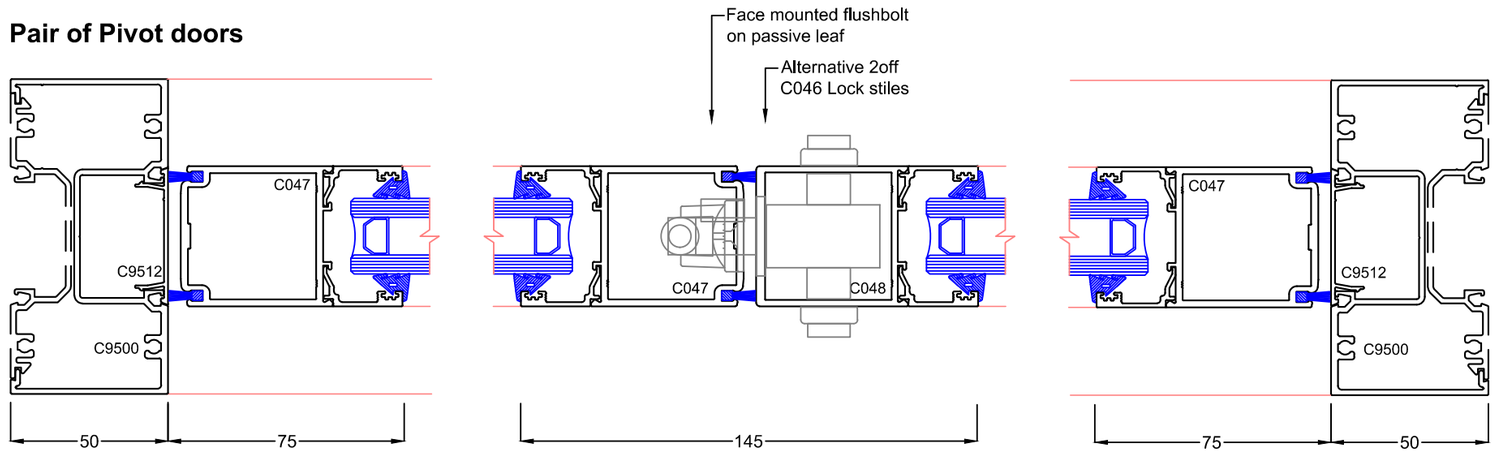


Left Hand Pivot Door with Wide Stiles

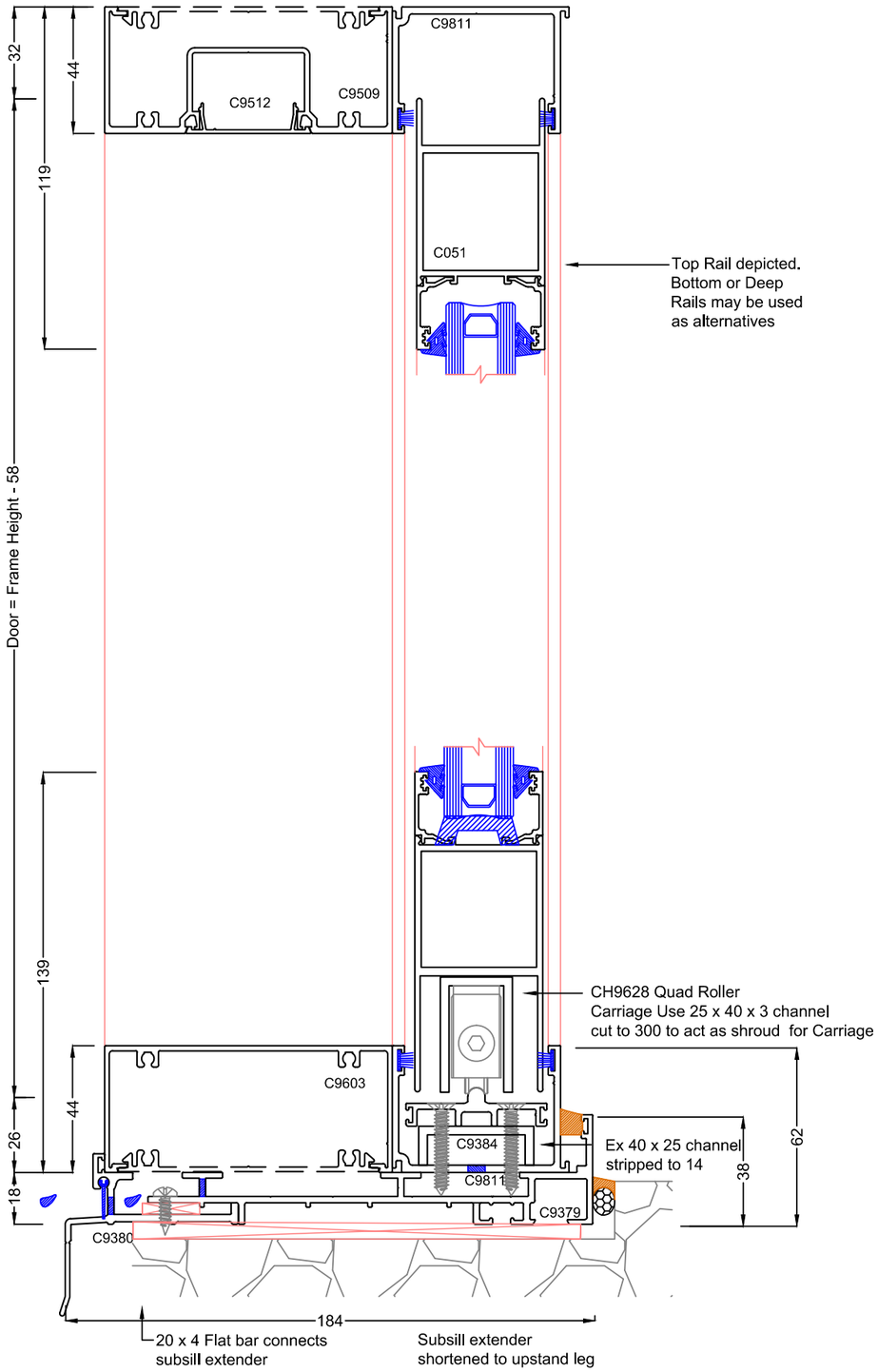
Deep rails are usually used with wide stiles to accentuate the door leaf.



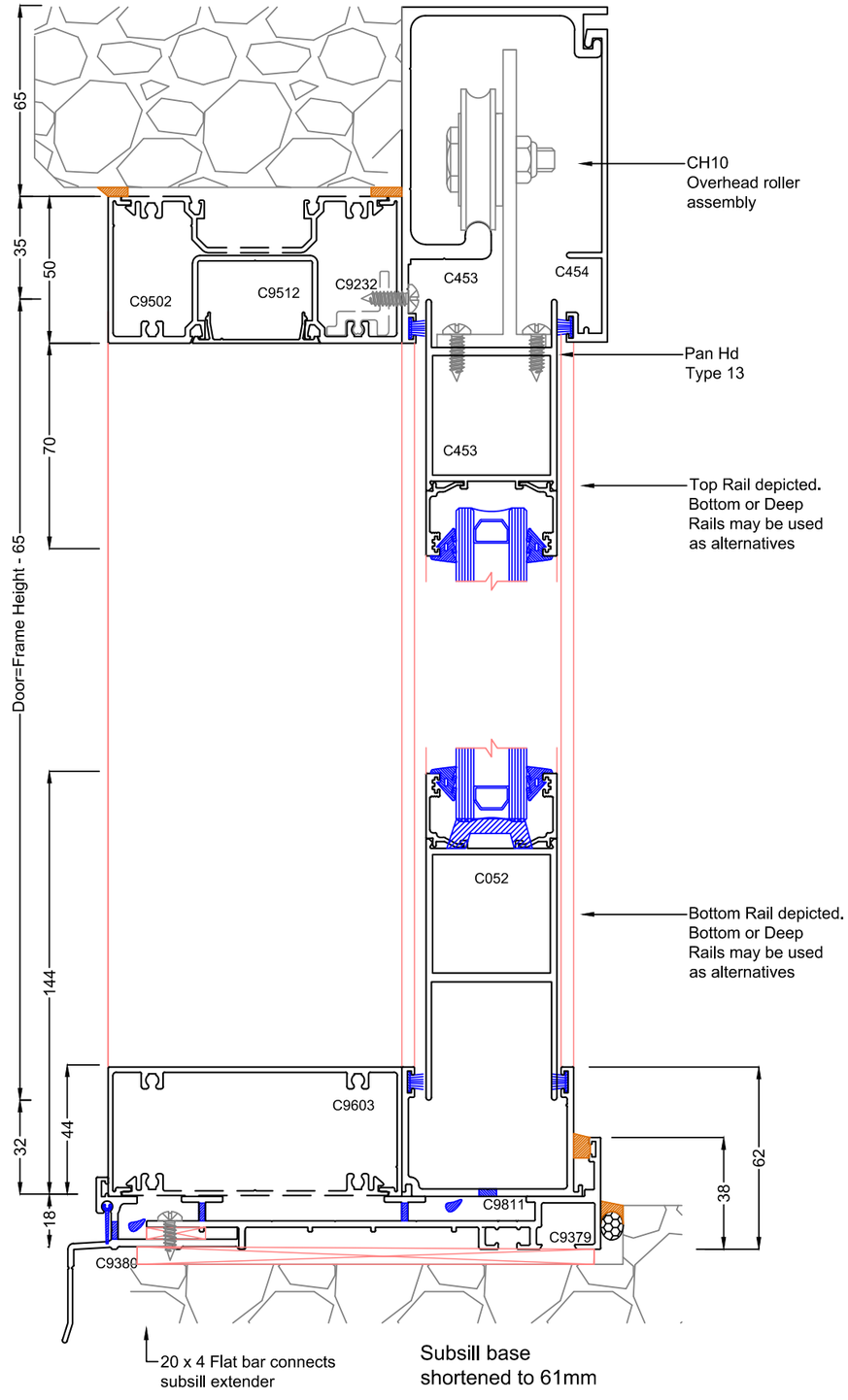
Pair of Pivot doors



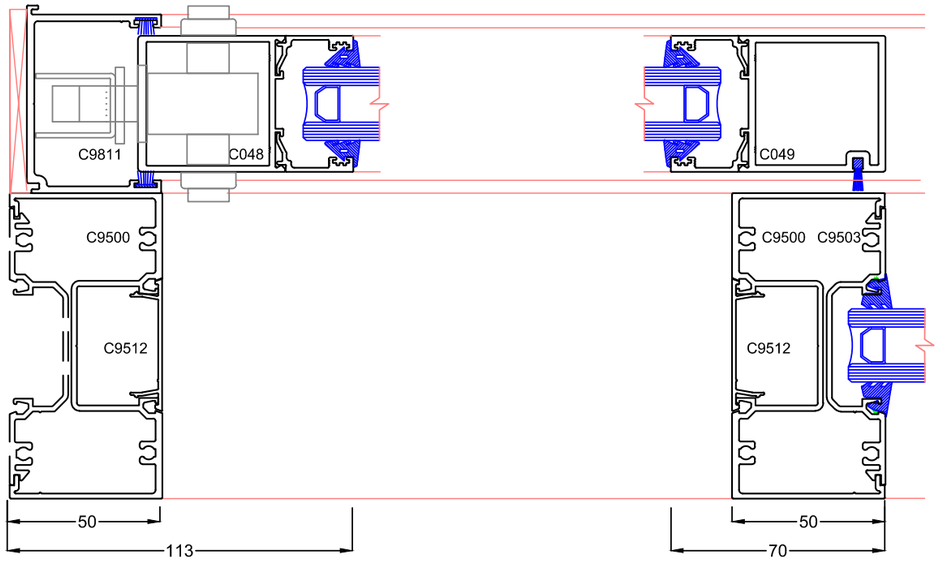
Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100CDG - 19
Sliding Bottom Track - 300kg Panel Weight



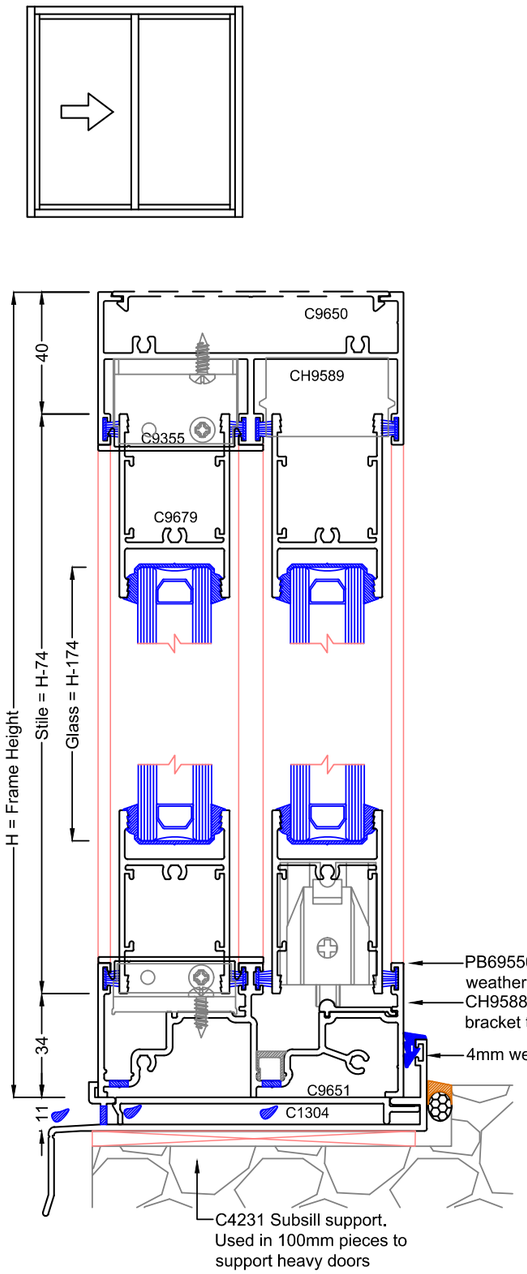
Overhead Sliding Track - 250kg Panel Weight



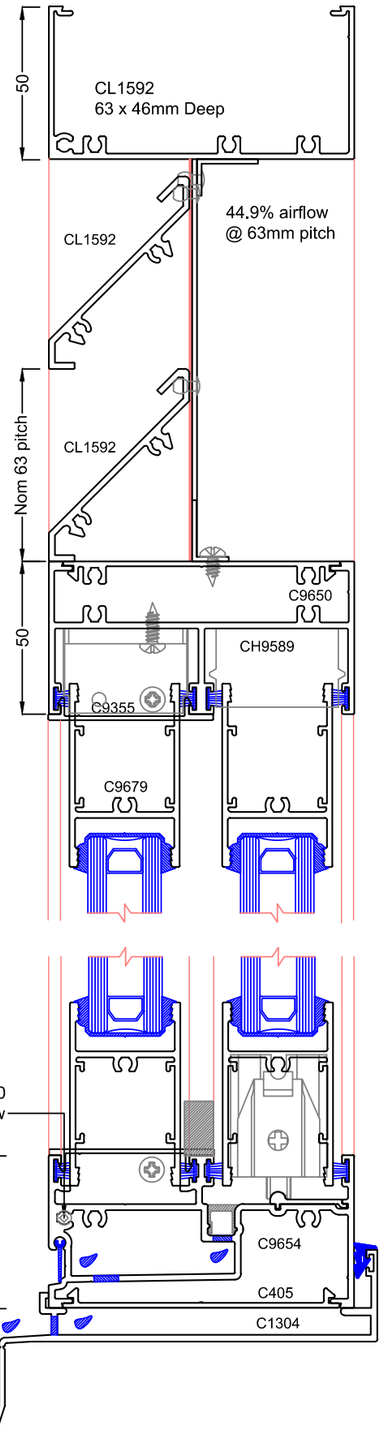
Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100CDG - 20
Sliding Door with Closing Jamb in 100 Fixed framing



Max Sliding Door detail integrating 100 Centre Glaze
When using conventional C9650 Jamb



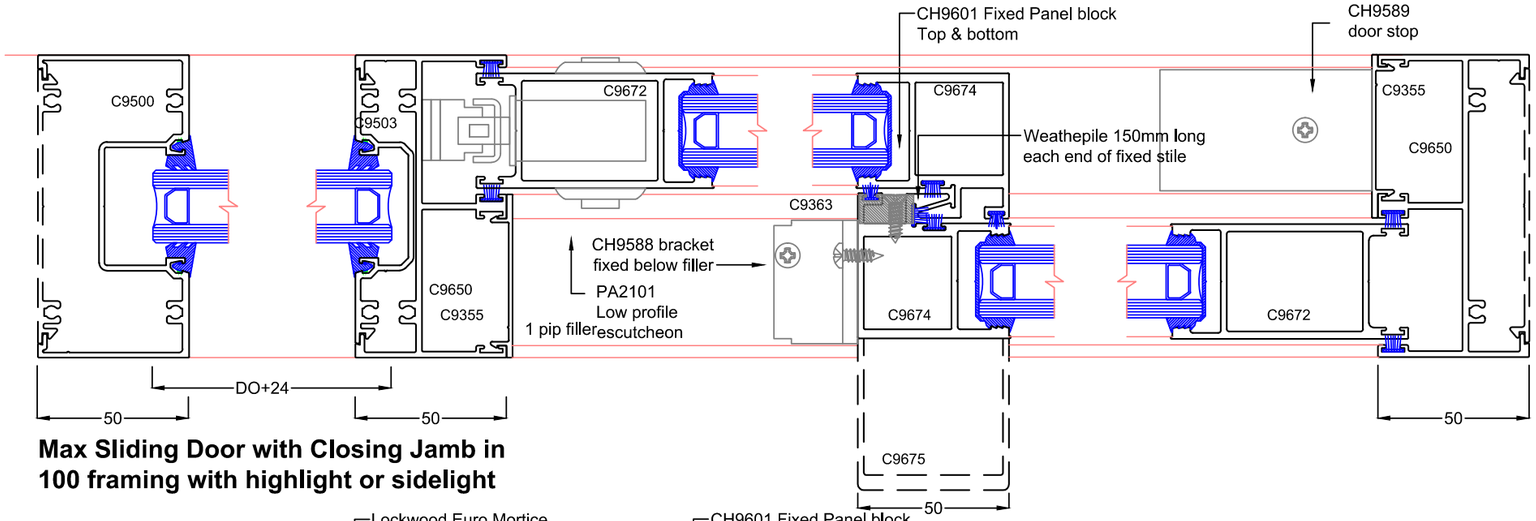
Transom Door detail
with transom to suit Louvres (Detail B)



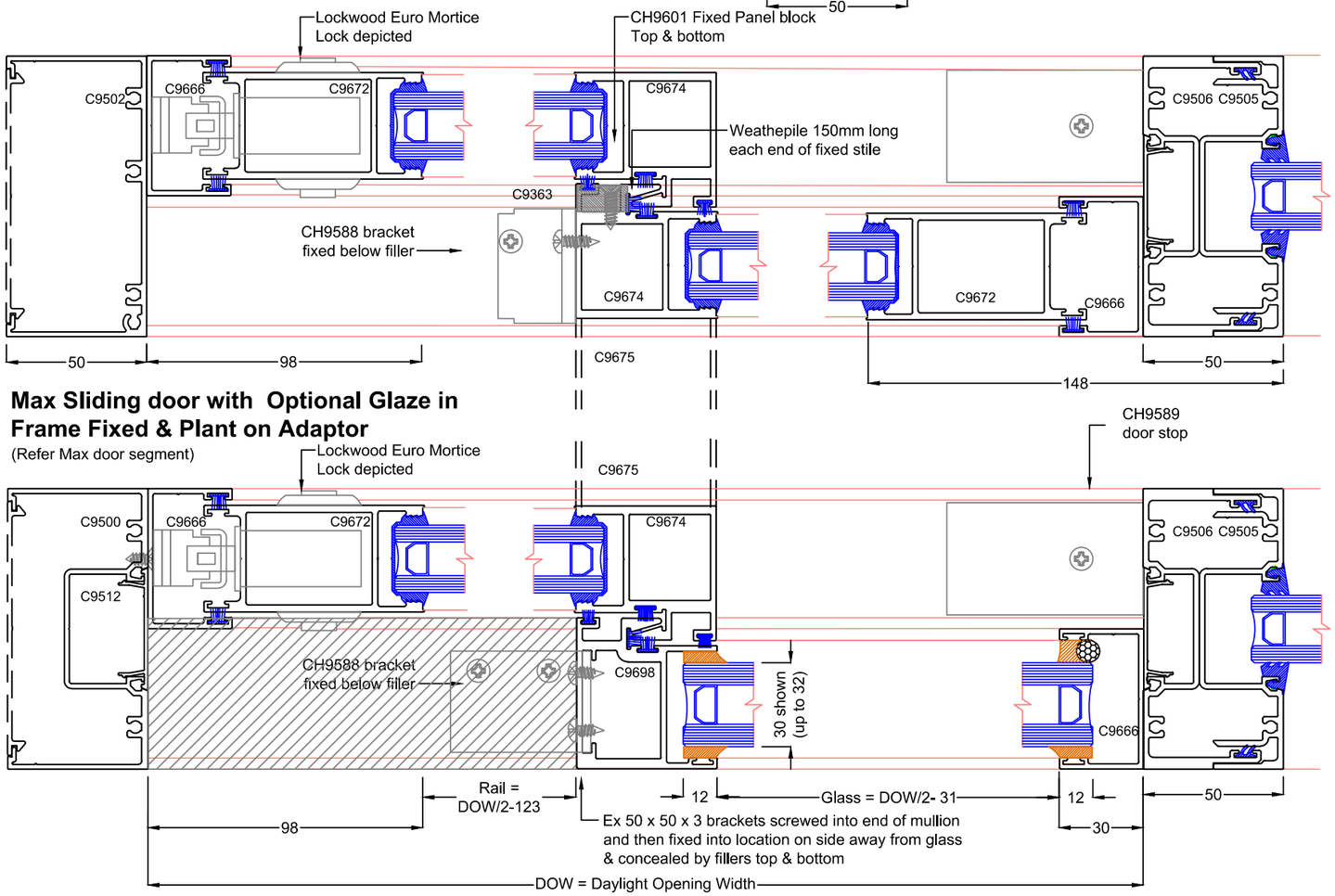
Alternative 50mm Profile Sill C9654
Designed to match 50mm high sill profiles

Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100CDG - 21

Max Sliding door Adapting to Centre Glaze



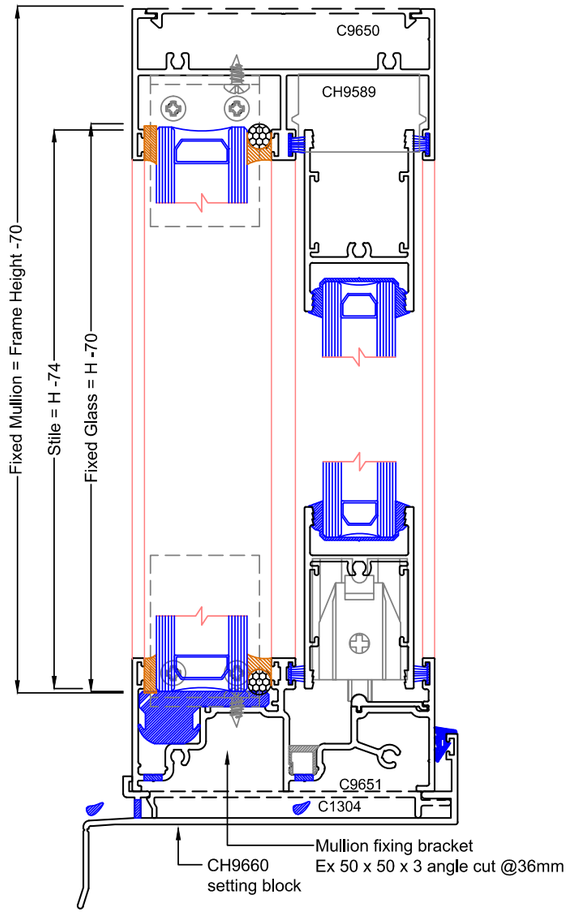
Max Sliding Door with Closing Jamb in 100 framing with highlight or sidelight



Max Sliding door with Optional Glaze in Frame Fixed & Plant on Adaptor

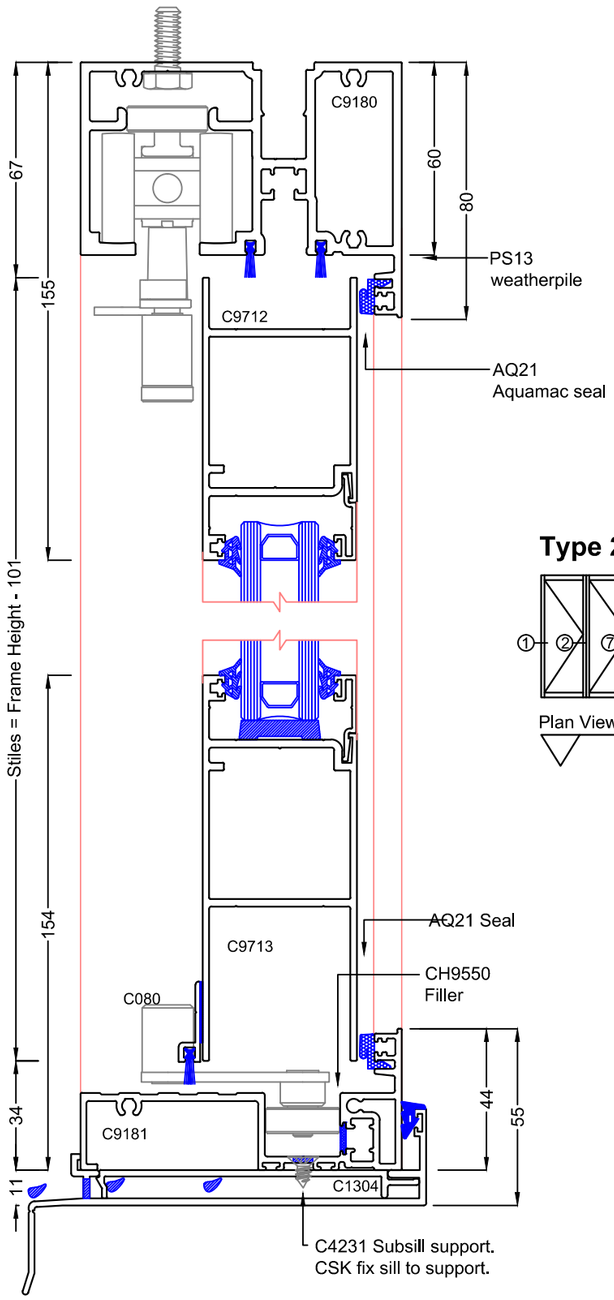
(Refer Max door segment)

Max Sliding Door with alternate Glaze in Frame fixed

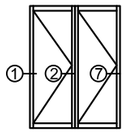


Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100CDG - 22
Bifold Door

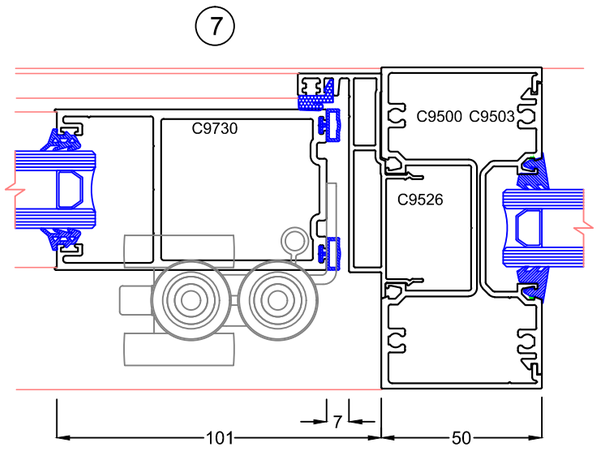
These details are only indicative.
Please refer the doors segment for full details of the Bifold door.

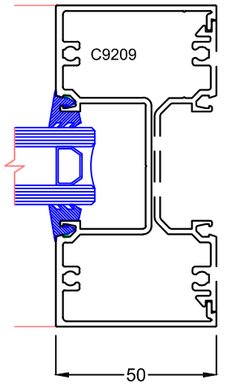


Type 2.0



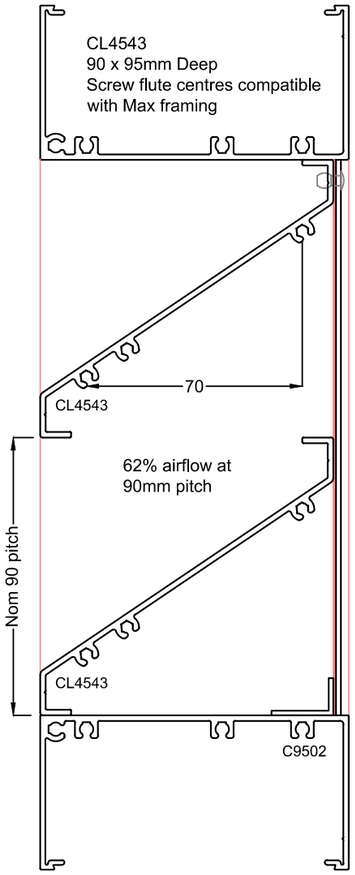
Type 2.0 coupled to fixed panel



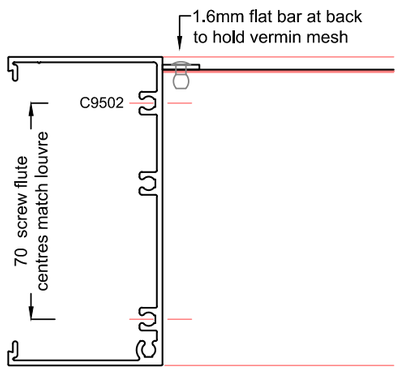


Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100CDG - 23

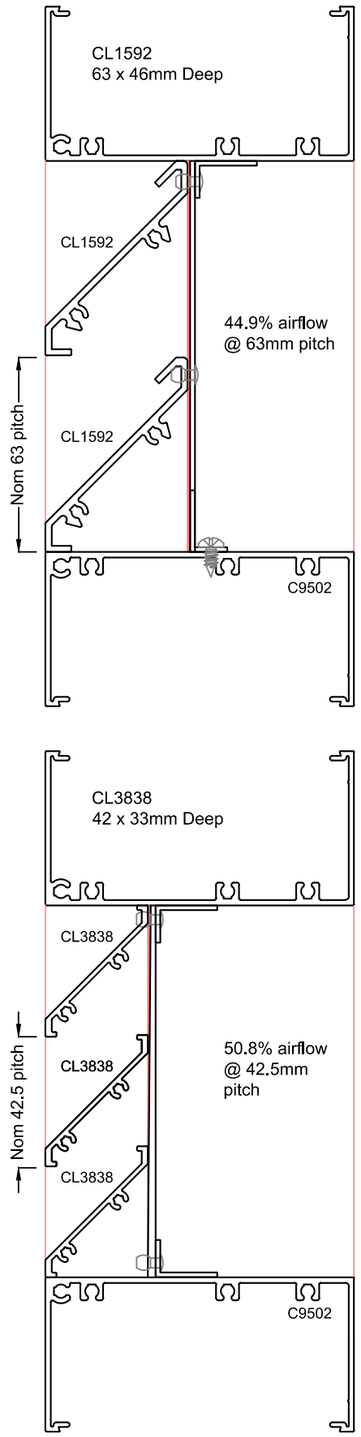
Louvres



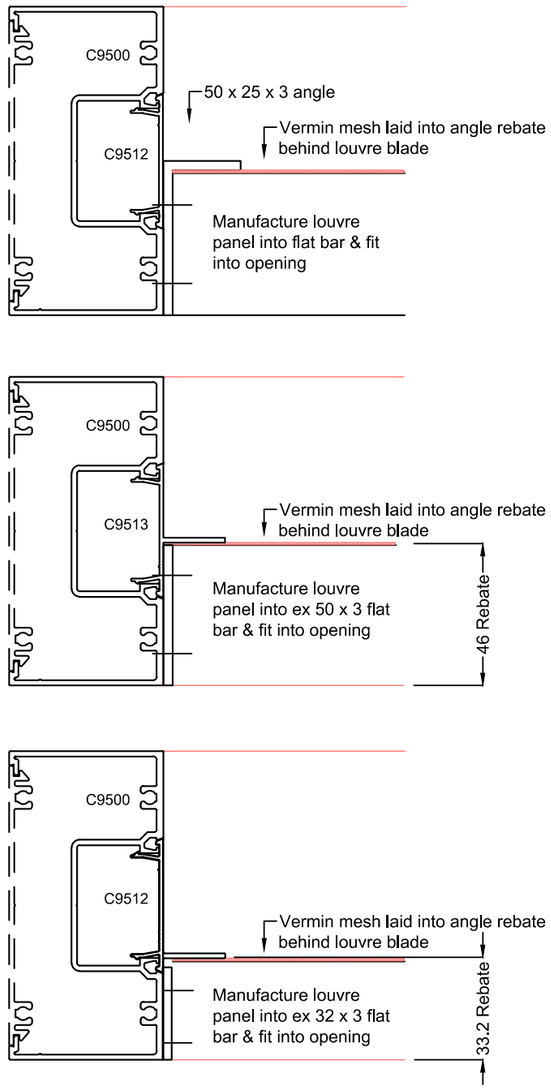
Jamb Detail



Louvres

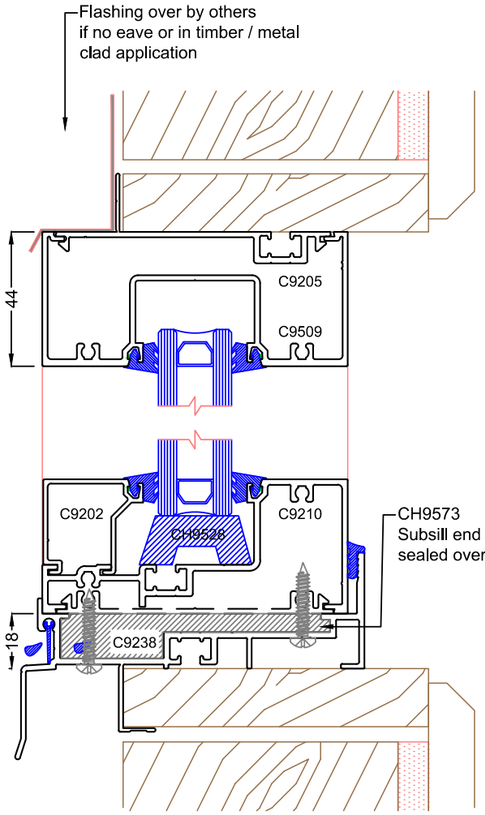


Jamb Detail

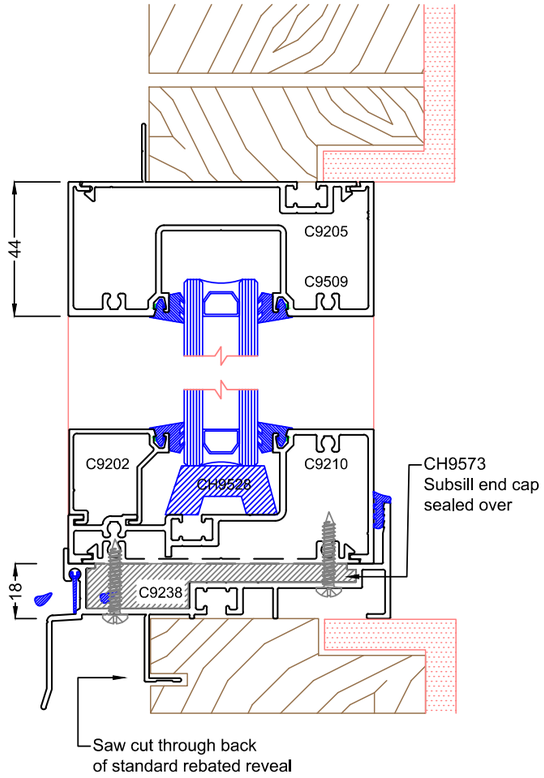


Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100CDG - 24

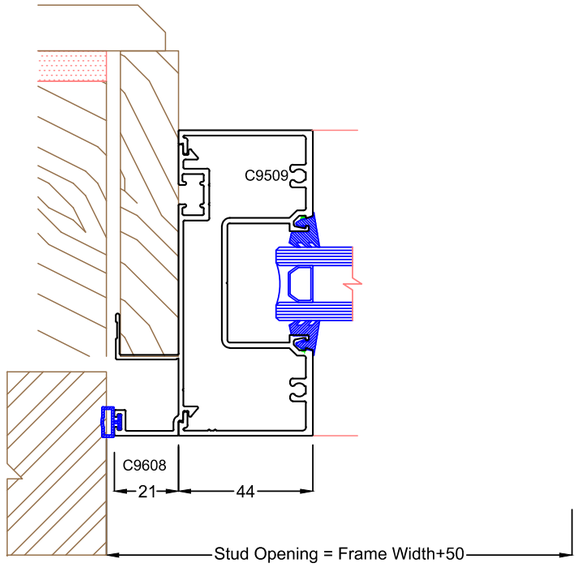
Nailing Fin Subsill & Filler
with timber reveals



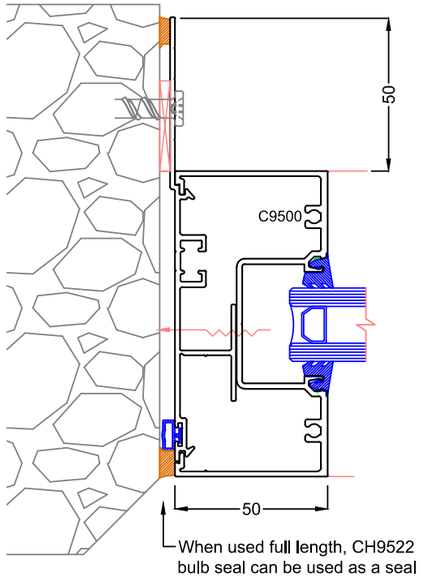
Nailing Fin Subsill & Filler
with rebated timber reveals



C9608 In-Line reveal adaptor
Replacing existing timber windows, or in new construction, fitting into a daylight opening (like cavity brick or precast , when revealling an in-line reveal adaptor eliminates the need to angle trim the opening externally, creating a neater overall appearance.
This can also be used with all 100 framing systems.

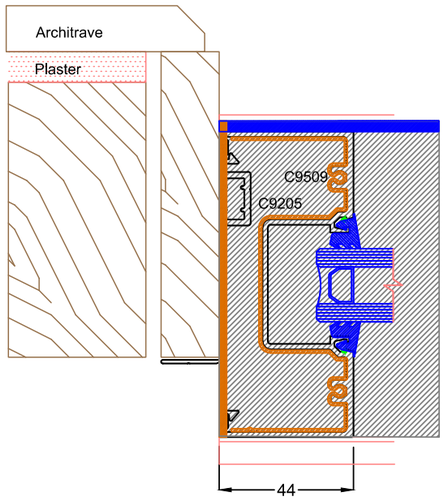


C9527 Build In Bracket
Can be used full length or in nom 100mm segments @ 450 centres & adjacent to transoms.
This bracket enables fixings at the back of the frame where an internal finish (plaster / lining) conceals the bracket after installation.

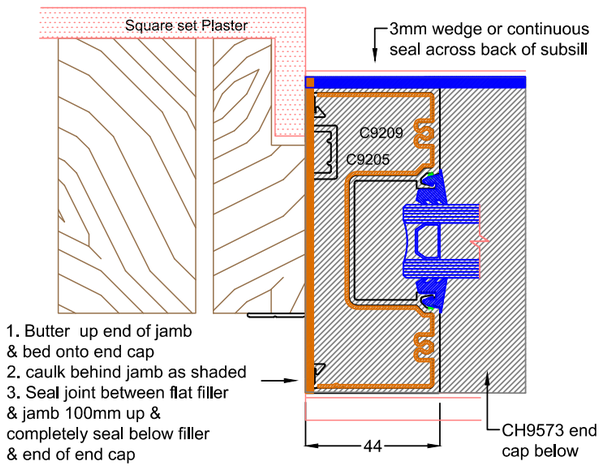


C9266 Build In Adaptor
Used when fixing directly to stud work, with a larger overlap than a standard reveal adaptor, this allows face fixing through the adaptor into the face of a stud & may be used to prepare a door to allow square set plaster to tuck down the sides.

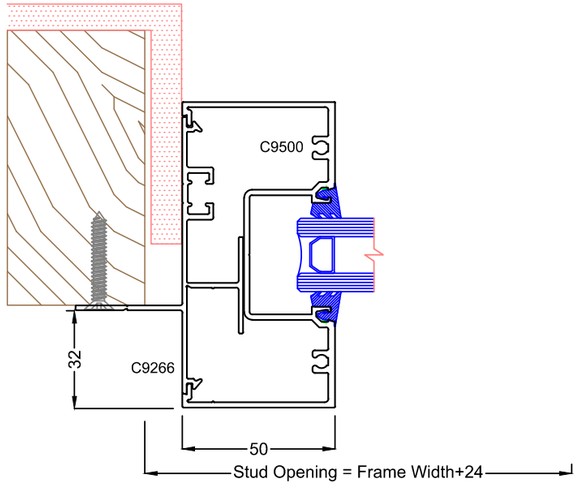
Jamb detail showing conventional architrave



Jamb detail showing rebated reveal & square set plaster

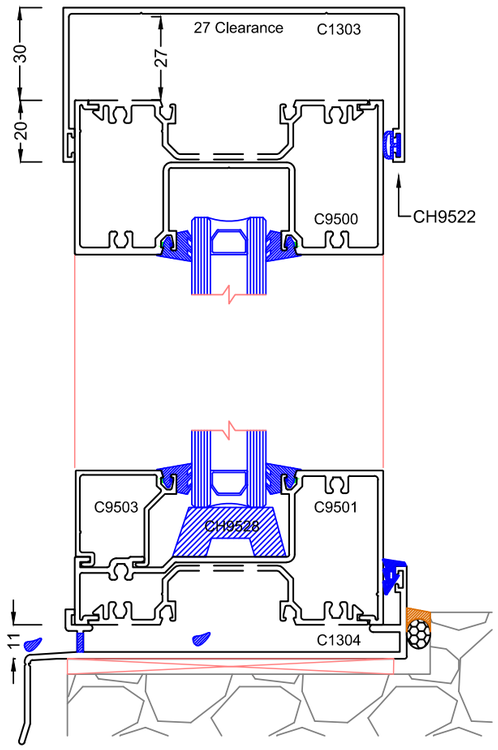


50mm Jamb detail with build in adaptor

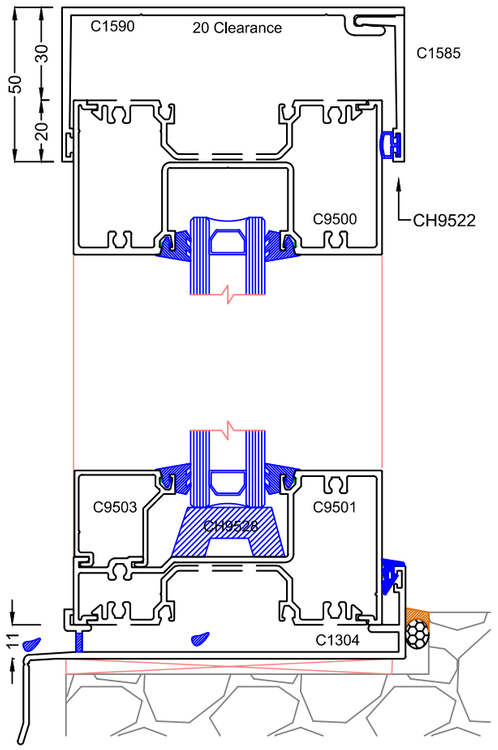


Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100CDG - 25

One Piece Sub Head (50 deep)

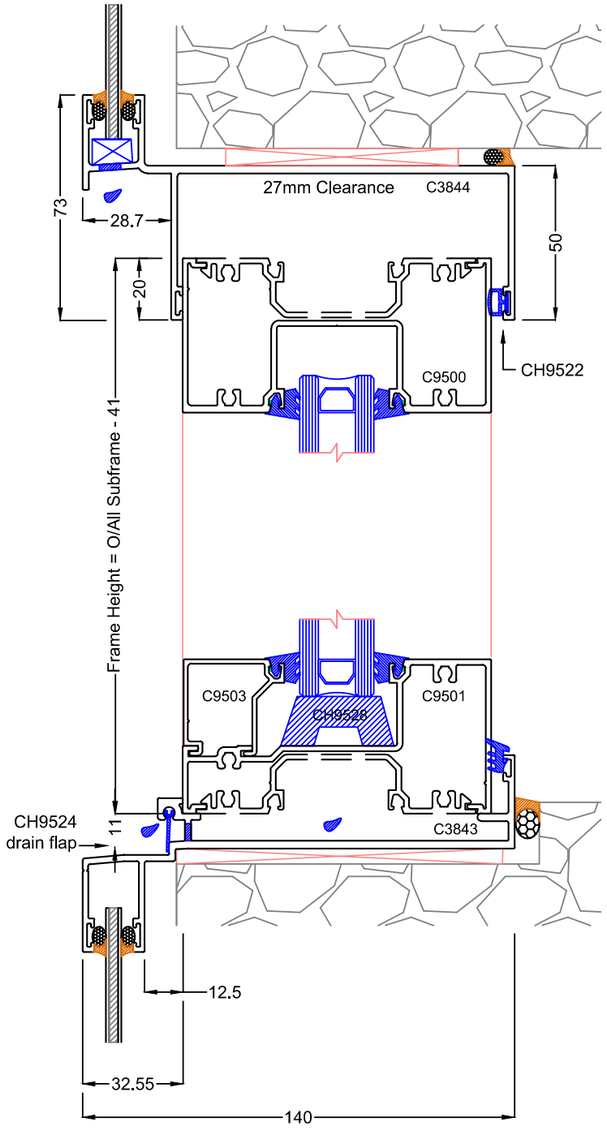


Two Part Sub Head (50 deep)



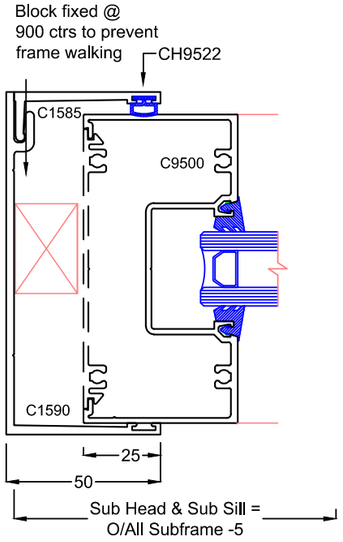
Spandrel Sub Head & Subsill

Spandrels areas above or below frames can be captured by the Spandrel sub frames, especially sheet or composite panels.



Two Part Sub Jamb

Used in conjunction with Sub head for internal Installation



The use of Sub frames & subsills

Commercial window systems are designed for drainage through the system. Horizontal members act as "gutters", collecting water & allowing it to flow to Vertical members which act as "downpipes".

It then becomes mandatory to adequately flash frames at the sill - this can be done via a folded flashing, impervious rebate, but usually by the use of a subsill.
The subsill allows easy preparation of an opening & ready access to subsill fixings so they can be appropriately sealed prior to frame installation.
A subsill is fitted with a stop end, which contains water within the subsill & is fitted & sealed around during the fitting of a subsill. Without this, water would run to the ends of the subsill & leak back into the building.

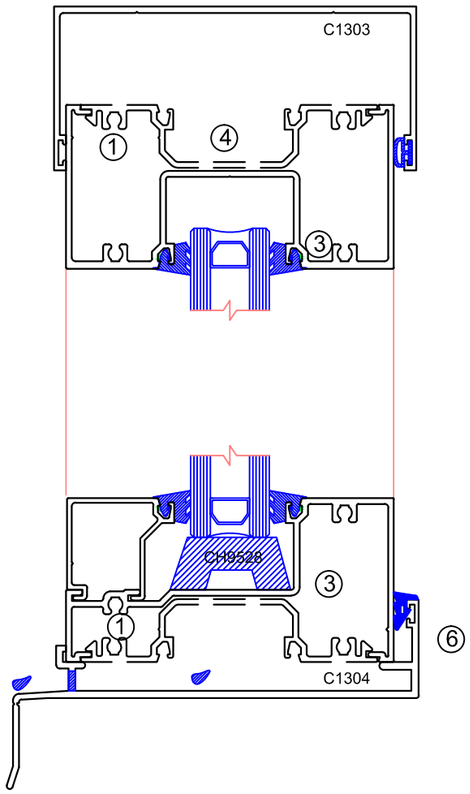
Sub heads are used to allow for either vertical movement or as a more efficient means of installation, especially in above ground installations where it might be desirable to install frames from inside.

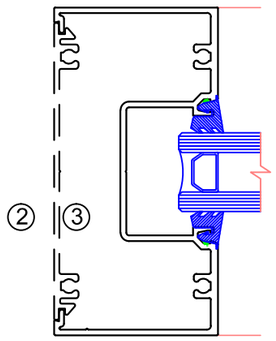
Subframes likewise can be used in this situation, but are especially needed in ventilated cavities (like cavity brick) where there is airflow that may allow water to be driven over subsill stop ends, or it is difficult to contain water within a window opening.

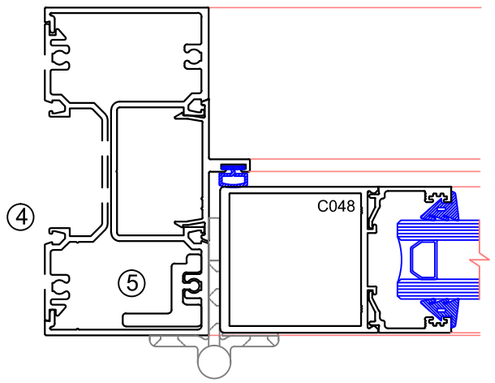
It must be remembered that all window installations require a continuous internal seal especially & the use of subsills & subframes are especially useful in achieving this.

Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100CDG - 26

General Principles Adopted in General Arrangement Drawings







① Dashed lines represent typically 100mm long pieces to brace outer frame members or as backings for fixings

② Solid lines represent continuous extrusions. Jambs are recommended for use continuous fillers to maintain frame tolerances & to allow continuous caulk lines.

③ Many extrusions are generally symmetrical, however the cavity is offset to the pocket. Where possible these extrusions should have the cavity on the outer side. This achieves better energy ratings.

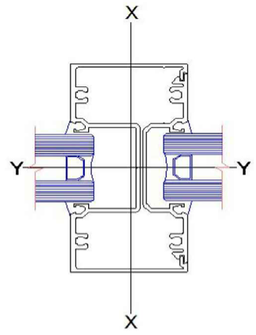
④ Pocketed fillers preferred for support behind jambs, especially on door frames, on heads within a subhead, to stop potential water tracking & at 1/4 points on sill profiles to support the sill from weight of glass & fixings.
Lower profile sills & heads however require a flat filler & are depicted this way on drawings.

⑤ Hinge backing plates should be used in 200mm segments to support hinges & door tracks where applicable

⑥ Rebate details are typical only & indicate internal seals against the back of subsills to exclude air & water entry beyond the back of frames, subsill. Fixing methods vary considerably & are not detailed.

Mullion Structural Tables

Mullion Combination: Max 100x50 STD CDG C9500, C9503



These tables use theoretical section properties. The resulting Serviceability and Ultimate should be read in conjunction with the requirements of AS1170.

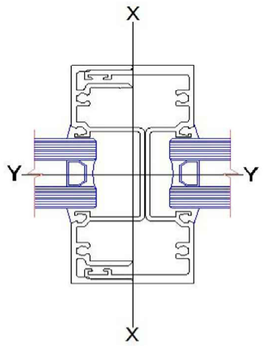
Note the following:
- Maximum Stress = 110Mpa
- Serviceability based on Span/250
- Italics indicate where Serviceability is limited by Ulltimate.

This chart is to be used as a guide only. Where Serviceability exceeds 3kPa or for more information, contact Capral.

Frame Height (mm)		Design Wind Pressure (Pa)							
2200	S	2526	2084	1804	1620	1497	1418	1374	1360
	U	3717	3052	2629	2347	2157	2033	1961	1938
2400	S	1929	1583	1362	1213	1111	1040	995	969
	U	3084	2522	2160	1914	1743	1624	1546	1500
2600	S	1507	1232	1055	934	849	788	746	718
	U	2600	2118	1807	1592	1441	1332	124	1202
2800	S	1200	978	834	735	665	613		
	U	2221	1805	1534	1347	1212	1113		
3000	S	971	790	672					
	U	1918	1556	1319					
3200	S	798	647						
	U	1673	1355						
3400	S	663							
	U	1472							
Mullion Centres (mm)		800	1000	1200	1400	1600	1800	2000	2200

Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100CDG - 27
Mullion Structural Tables

Mullion Combination: Max 100x50 Split CDG C9505, C9506



These tables use theoretical section properties. The resulting Serviceability and Ultimate should be read in conjunction with the requirements of AS1170.

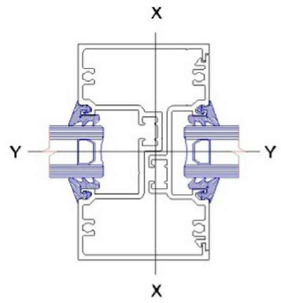
Note the following:
- Maximum Stress = 110Mpa
- Serviceability based on Span/250
- Italics indicate where Serviceability is limited by Ulltimate.

This chart is to be used as a guide only. Where Serviceability exceeds 3kPa or for more information, contact Capral.

Frame Height (mm)		Design Wind Pressure (Pa)							
2200	S	4174	3444	2982	2677	2474	2344	2271	2248
	U	5956	4891	4213	3761	3456	3257	3143	3105
2400	S	3187	2616	2251	2005	1835	1719	1644	1601
	U	4934	4034	3455	3062	2789	2599	2473	2400
2600	S	2490	2036	1743	1543	1403	1303	1233	1187
	U	4153	3384	2886	2544	2301	2127	2004	1921
2800	S	1983	1617	1379	1215	1098	1013	952	908
	U	3542	2879	2447	2148	1933	1776	1661	1578
3000	S	1605	1305	1110	975	877	805	752	712
	U	3056	2478	2101	1838	1648	1507	1401	1322
3200	S	1318	1070	907	794	712	651	605	
	U	2662	2155	1823	1591	1422	1295	1199	
3400	S	1096	888	751	656				
	U	2338	1891	1596	1390				
3600	S	921	745	630					
	U	2070	1671	1409					
3800	S	781	632						
	U	1844	1488						
4000	S	669							
	U	1653							
Mullion Centres (mm)		800	1000	1200	1400	1600	1800	2000	2200

Mullion Structural Tables

Mullion Combination: Max 100x60 STD CDG C9200, C9203



These tables use theoretical section properties. The resulting Serviceability and Ultimate should be read in conjunction with the requirements of AS1170.

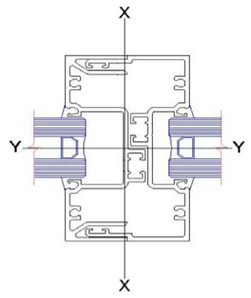
Note the following:
- Maximum Stress = 110Mpa
- Serviceability based on Span/250
- Italics indicate where Serviceability is limited by Ulltimate.

This chart is to be used as a guide only. Where Serviceability exceeds 3kPa or for more information, contact Capral.

Frame Height (mm)		Design Wind Pressure (Pa)							
2200	S	3249	2680	2321	2083	1925	1824	1768	1750
	U	4871	4000	3446	3076	2826	2664	2571	2540
2400	S	2481	2036	1752	1560	1429	1338	1279	1246
	U	4046	3308	2833	2511	2287	2131	2028	1968
2600	S	1938	1585	1357	1201	1092	1014	960	924
	U	3413	2782	2372	2091	1892	1749	1647	1579
2800	S	1544	1258	1073	946	855	789	741	707
	U	2918	2372	2016	1770	1593	1463	1368	1300
3000	S	1250	1016	864	759	683	627		
	U	2523	2046	1735	1518	1361	1244		
3200	S	1026	833	706	618				
	U	2203	1784	1509	1317				
3400	S	853	691						
	U	1939	1568						
3600	S	717							
	U	1720							
3800	S	608							
	U	1536							
Mullion Centres (mm)		800	1000	1200	1400	1600	1800	2000	2200

Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100CDG - 28
Mullion Structural Tables

Mullion Combination: Max 100x60 Split CDG C9207, C9208



These tables use theoretical section properties. The resulting Serviceability and Ultimate should be read in conjunction with the requirements of AS1170.

Note the following:
- Maximum Stress = 110Mpa
- Serviceability based on Span/250
- Italics indicate where Serviceability is limited by Ulltimate.

This chart is to be used as a guide only. Where Serviceability exceeds 3kPa or for more information, contact Capral.

Frame Height (mm)		Design Wind Pressure (Pa)							
2200	S	4283	3533	3060	2747	2538	2405	2330	2306
	U	6260	5141	4429	3953	3633	3424	3304	3264
2400	S	3270	2685	2310	2057	1883	1764	1687	1643
	U	5193	4246	3637	3223	2935	2735	2603	2526
2600	S	2555	2089	1789	1584	1439	1337	1266	1218
	U	4376	3566	3041	2681	2425	2242	2112	2024
2800	S	2035	1659	1415	1247	1127	1040	977	932
	U	3737	3037	2581	2266	2040	1874	1752	1664
3000	S	1647	1340	1139	1000	900	826	771	731
	U	3227	2617	2219	1941	1740	1591	1479	1396
3200	S	1353	1098	931	815	731	668	621	
	U	2814	2279	1927	1682	1503	1369	1267	
3400	S	1125	911	771	673	602			
	U	2475	2001	1690	1471	1311			
3600	S	945	765	646					
	U	2193	1771	1493					
3800	S	802	648						
	U	1956	1578						
4000	S	686							
	U	1755							
Mullion Centres (mm)		800	1000	1200	1400	1600	1800	2000	2200

Glazing Methodology

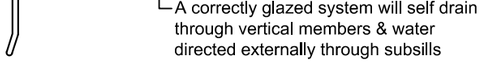
This system has been designed to self drain within the system via a patented watershed component in transoms, traditionally the area most prone to leakage in commercial systems.

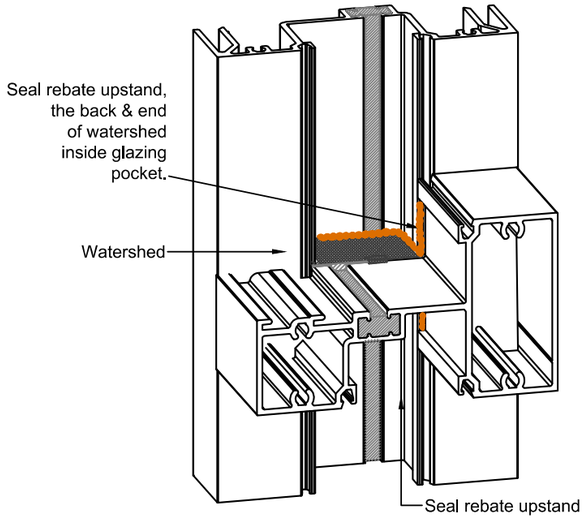
Most other commercial systems attempt to deal with drainage through ugly external drain slots or rely on silicone to stop water entry.

Using "top loaded" high performance co-extruded wedges which are shrink resistant, the system allows easy in-factory fitting of backing wedges & easy fitting of wedges on the side from which the system is being glazed.

Wedges are colour coded according to thickness for ease of identification, refer the chart below.

Note: This page describes one method of glazing. Wet Glazing or combinations of wet and dry glazing can be done. For further information on Glazing methodology & frame sealing please refer the Information pages in the U-Max Manual.





Preparing the Glazing Rebate:

a. Ends of horizontal frame joints are end buttered prior to assembly.

b. Fit the watershed device while assembling transoms

c. Seal into the captive groove on the transom's vertical rebate. This is done on top & below the transom.

d. Seal the back end end of watershed within the pocket. DO NOT seal in front of Watershed as infiltrated water is drained through here.

Backing Wedge (rebate size) Fitting method:
Backing wedges can be fitted either side dependant on which side it is being glazed: outside for internal glaze or inside for external glaze. The diagram depicted is externally glazed, so backing wedges would be factory fitted to the inside.

- Wedges size appropriate to glass thickness should be cut approx 18mm/metre oversize from DO (Daylight opening).
- Vertical wedges butt between horizontal wedges & are bunched towards corners.
- Pull corners back 50mm & bed into sealant & apply sealant to the butted ends.

Site Preparation of the glazing rebate:

- Clean the glazing rebate & wipe glazing grooves
- Check the watershed devices are in place & overseal where appropriate.
- Place setting blocks at 1/4 points. Setting blocks should be no closer than 150mm from the edge of glass in normal conditions.

Wedge Fitting method on the glazing side

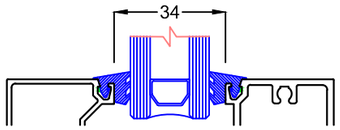
- Wedges size appropriate to glass thickness should be cut approx 18mm/metre oversize from DO (Daylight opening).
- If glazing internally, repeat the method of sealing corners as per backing wedges.

Max™ 100 x 50 CENTRE DOUBLE GLAZED - 34mm Pocket

Max Framing Systems: M100CDG - 29

Wedge glazing charts for Max Framing

Note: when different wedges are used, the smaller wedge must go on the rebate side to allow room to fit the glazing bead



CH9505
1mm wedge SANT
Black backing

CH9506
3mm wedge SANT
Yellow backing

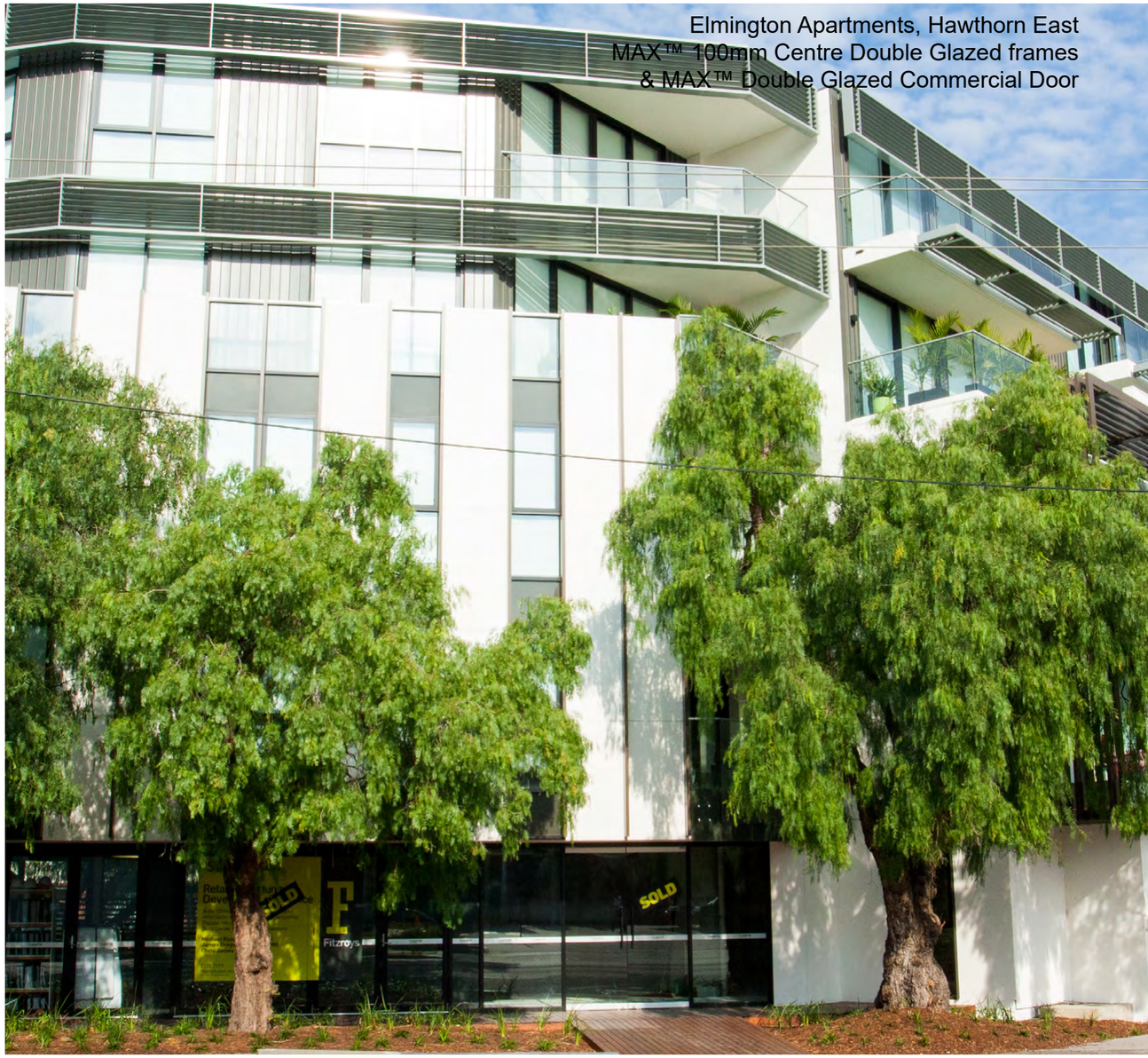
CH9507
5mm wedge SANT
Green backing

CH9508
6mn wedge SANT
Red backing

CH9509
7mm wedge SANT
Blue backing

CH9510
9mm wedge SANT
Purple backing

	Glass thickness	Example	Rebate wedge	Gap	Glazing wedge	Gap
U-Max Framing	22mm	5/12/5	CH9507	5mm	CH9509	7mm
	23mm	6/12/5	CH9507	5mm	CH9509	7mm
	24mm	6/12/6	CH9507	5mm	CH9507	5mm
	25mm	6.38/12/6	CH9507	4mm	CH9507	5mm
	26mm	8/12/6	CH9506	3mm	CH9507	5mm
	27mm	8.38/12/6	CH9506	3mm	CH9507	5mm
	28mm	8/12/8	CH9505	1mm	CH9507	5mm
	29mm	8/12/8	CH9505	1mm	CH9506	3mm
U-Max Spandrel Glazing	Glass thickness	Spandrel Adaptor	Rebate wedge	Gap	Glazing wedge	Gap
	4mm	C9810	CH9505	5mm	CH9509	7mm
	6mm	C9219	CH9506	5mm	CH9509	7mm
	8mm	C9219	CH9506	5mm	CH9507	5mm
	10mm	C9219	CH9503	3mm	CH9507	5mm



Elmington Apartments, Hawthorn East
MAX™ 100mm Centre Double Glazed frames
& MAX™ Double Glazed Commercial Door