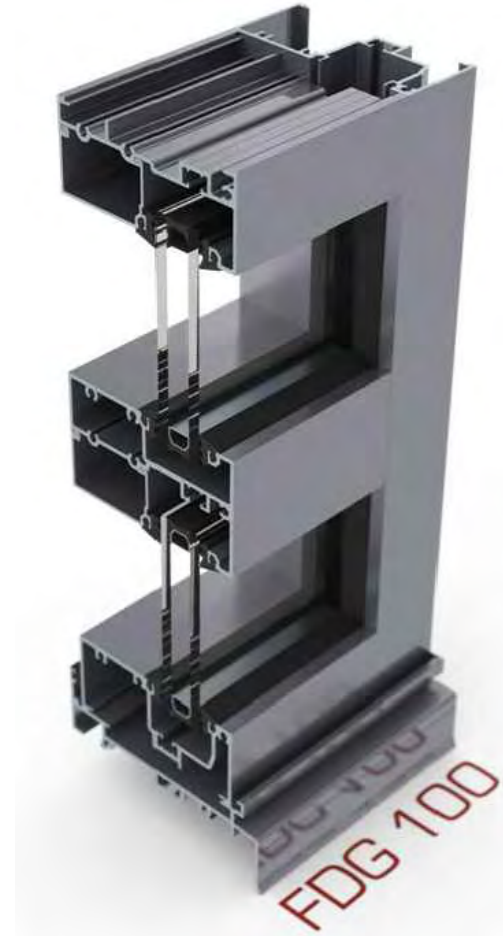


Max™ 100 x 50mm FRONT DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100FDG - 1

Max 100 Front Double Glazed - 34mm Pocket



FEATURES:

- 100mm Frame Depth
- 50mm Sight Line generally
- 60mm Sight Line with U-Max Unbroken Frame
- Optional Low profile 44mm Outer Frame
- Glass Plane-Front
- Compatible with 100mm Centre Glazed allowing glass in different planes
- 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
- Hinged, Pivot, Sliding & Multi sliding door tracks
- Dry Glazed with High performance Santoprene Gaskets
 - Anti Stretch Gaskets
 - Anti-Dropout Gasket Design
- Suited to wet glazed if preferred
- Watershed -Concealed Transom drainage system
- Screw fixing in front of glazing pocket to support transom

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

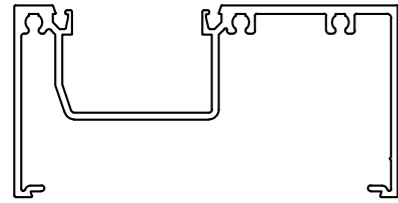
NOTE:

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

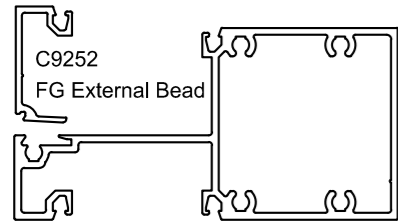
Jewel Apartments, Melbourne
MAX™ 100mm Front Double Glazed frames



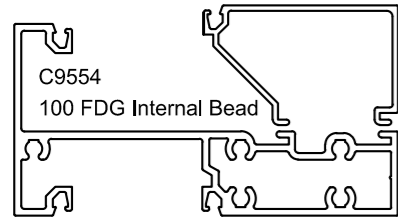
Max™ 100 x 50mm FRONT DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100FDG - 2
50mm Extrusion ID



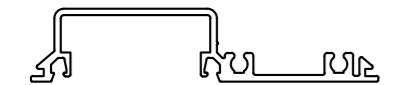
C9550
100 x 50 FDG Frame



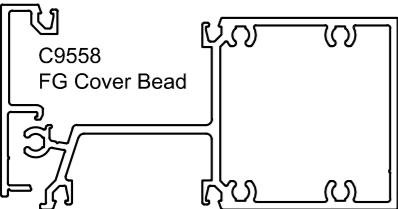
C9252
FG External Bead



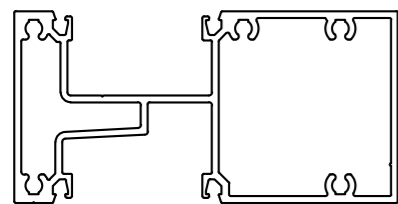
C9554
100 FDG Internal Bead



C9553
100 x 50 FDG Internal Head/Sill

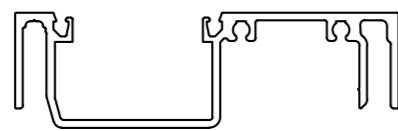


C9555
100 FDG Pocketed filler

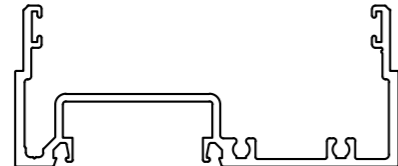


C9558
FG Cover Bead

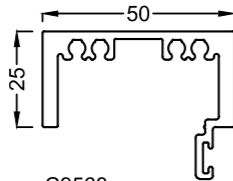
C8142
Max 100 x 50 FDG Drained Transom



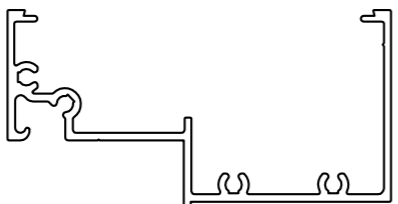
C9559
100 x 50 FDG Deep Mullion



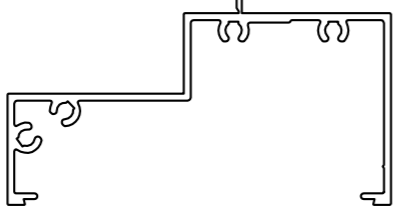
C9560
100 x 50 FDG Shallow Mullion



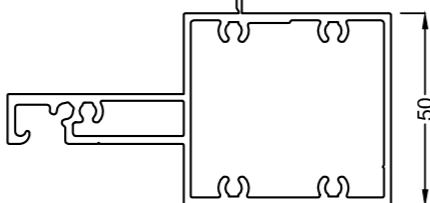
C9568
100 FDG S/M Blind Mullion



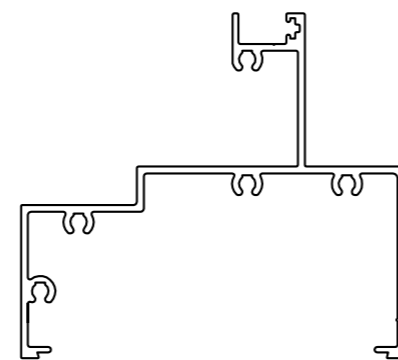
C9507
100 x 50 Hinge Head



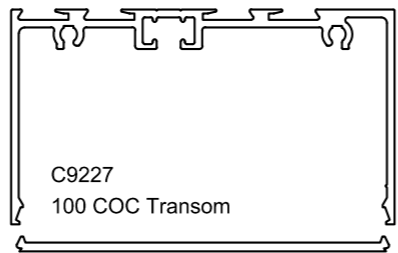
C9508
100 x 50 Winder Sill



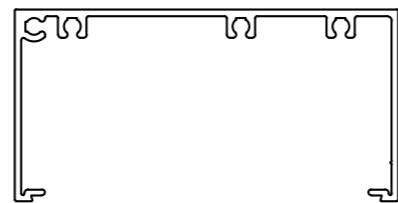
C9515
Double Hinge Head Transom



C9212
CDG 90/180 Corner
FDG 180/90 Internal



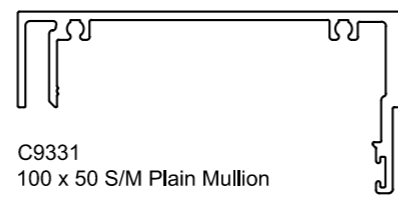
C9227
100 COC Transom



C9228
COC Filler Plate



C9502
100 x 50 Plain Frame

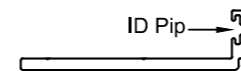
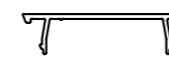
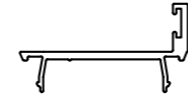
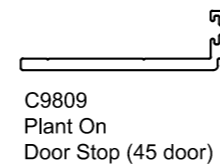
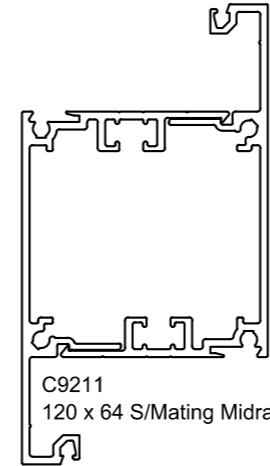
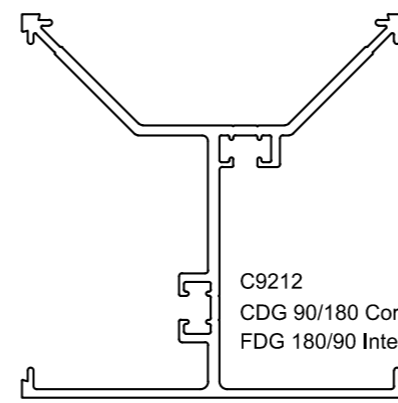


C9604
100 x 25 Plain Frame

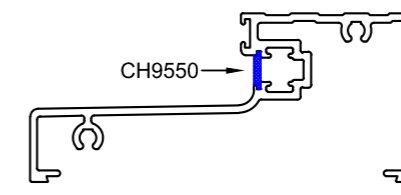


C9331
100 x 50 S/M Plain Mullion

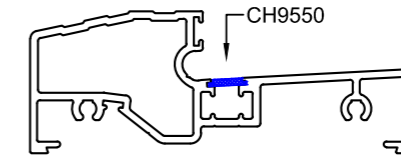
C9549
100 Mullion Coupler



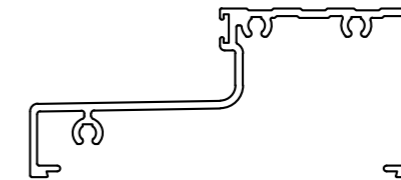
C9565
Max Plant On Door Stop (50 door)



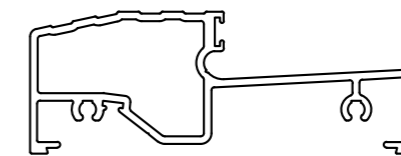
C9229
100 Threshold Open Out (50 door)



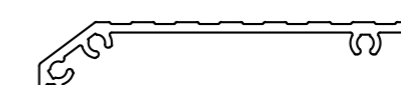
C9230
100 Threshold Open IN (50 door)



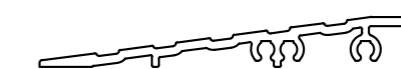
C9622
100 Threshold Open Out (45 door)



C9623
100 Threshold Open IN (45 door)



C9621
100 x 20 Flat Threshold



C469
100 x 13 Wheelchair Threshold

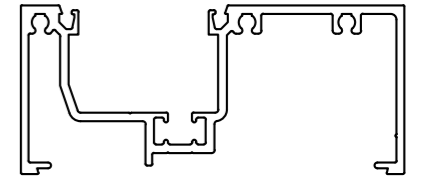


C4989
Plant On Door Stop

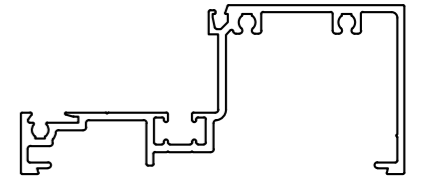


C9232
Hinge Backing Plate

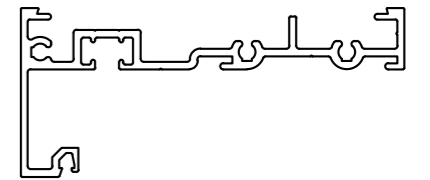
44mm Extrusion ID



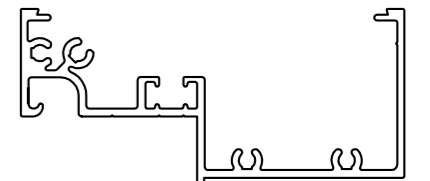
C9261
100 x 44 FDG Frame



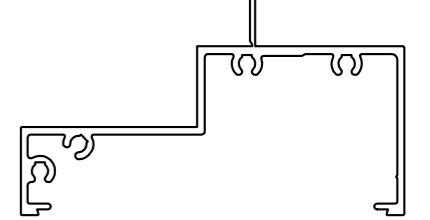
C9262
100 x 44 FDG External Head/Sill



C9263
100 FDG Internal Head



C9215
100 x 44 Hinge Head

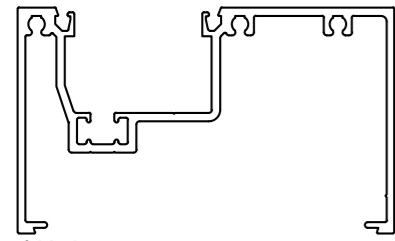


C9615
100 x 44 Winder Sill

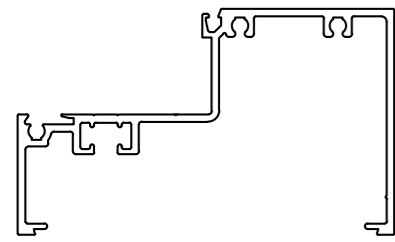


C9603
100 x 44 Plain Frame

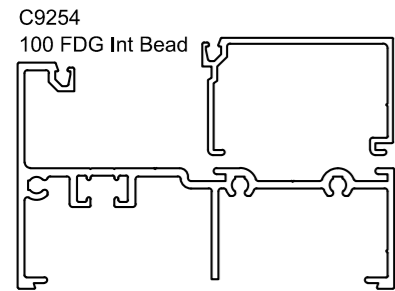
Max™ 100 x 50mm FRONT DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100FDG - 3
60mm Extrusion ID



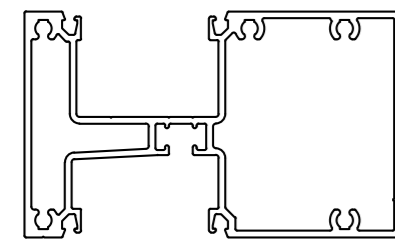
C9250
100 x 60 FDG Frame



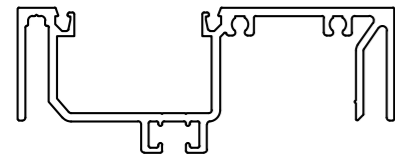
C9251
100 x 60 FDG External Head/Sill



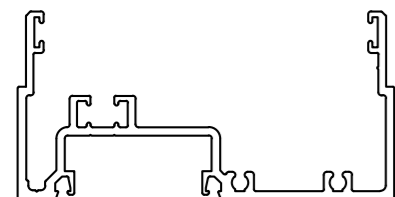
C9254
100 FDG Int Bead



C9253
100 x 60 FDG Internal Head/Sill

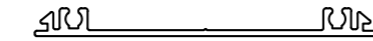


C8143
Max 100 x 60 FDG Drained Transom

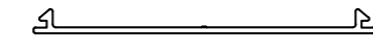


C9259
100 x 60 FDG Deep Mullion

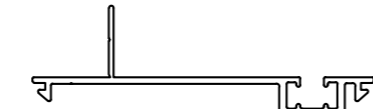
C9260
100 x 60 FDG Shallow Mullion



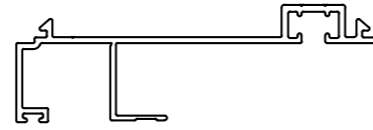
C9321
100 Flat Filler - screw flutes



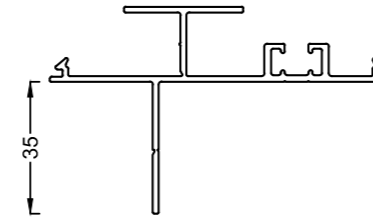
C405
100 Flat Filler



C9205
100 Nailing Fin



C9608
In Line Reveal Adaptor



C9266 (replaces C9626)
Build In Adaptor

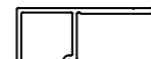


C9527
Build In Bracket

Spandrel Extrusion ID



C9219
Spandrel Adaptor
19mm pocket

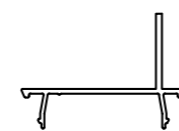


C9767
Spandrel Adaptor

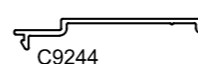


SCH161615
16 x 16 x 1.5 Channel

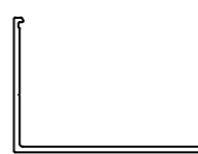
Sash Extrusion ID



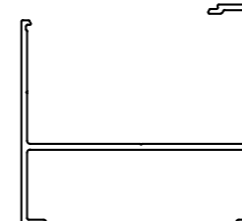
C9561
FDG Sash Adaptor
suit C9519, C9241



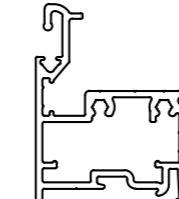
C9244
Winder Box Cover



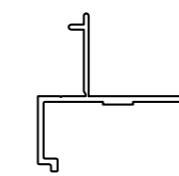
C9243
Elevation Motorised Winder Box



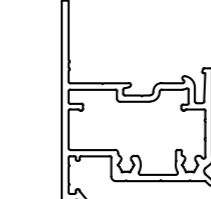
C9318
Motorised Winder Box
suit C1317



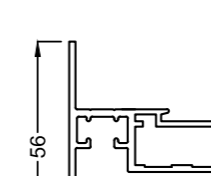
C9520
Inset Sash Hinge Head
suit CH131737 cornerstake



C9242
Winder Support



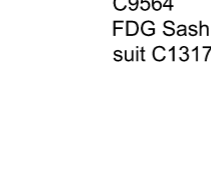
C9519
Inset Sash
suit CH131737 cornerstake



C9241
46mm Overlap Sash
suit CH1317 cornerstake



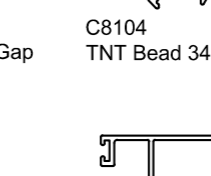
C9523
46mm HD Overlap Sash (16mm stays)
suit CH131737 cornerstake



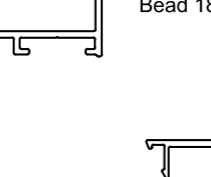
C9564
FDG Sash Adaptor
suit C1317



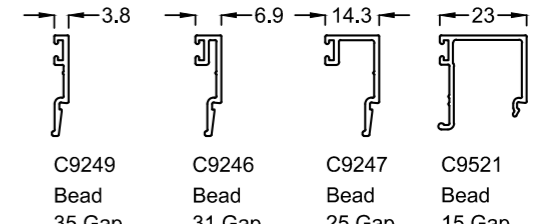
C9245
Truth Sash
suit CH9557 cornerstake



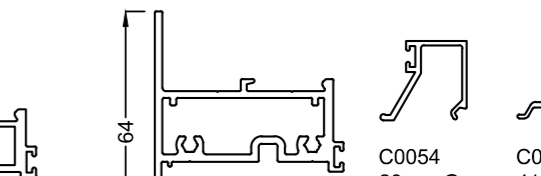
C9245
Truth Sash
suit CH9557 cornerstake



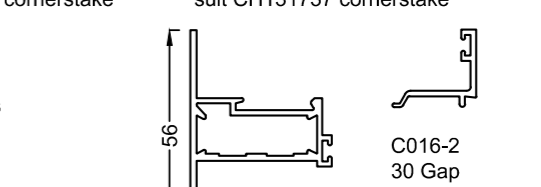
C9245
Truth Sash
suit CH9557 cornerstake



C9249 Bead 35 Gap
C9246 Bead 31 Gap
C9247 Bead 25 Gap
C9521 Bead 15 Gap



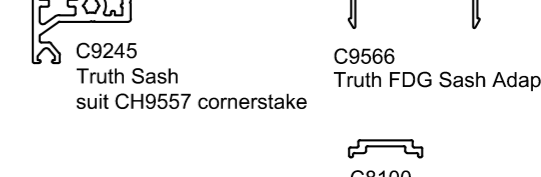
C0054 29mm Gap
C016-2 41mm Gap



C016-2 30 Gap



C1317
35mm Overlap Sash
suit CH1317 cornerstake



C9245
Truth Sash
suit CH9557 cornerstake

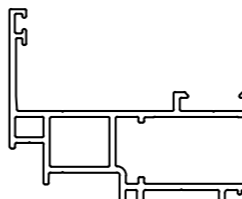


C9245
Truth Sash
suit CH9557 cornerstake

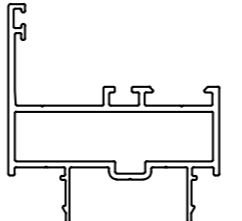


C9245
Truth Sash
suit CH9557 cornerstake

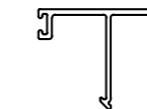
Multi Locking Sash Extrusion ID



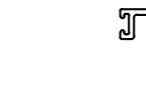
C8114
Max TNT Sash



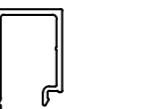
C8110
Max TNT Sash



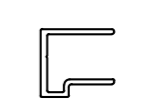
C8105
TNT Bead 25mm Gap



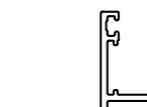
C8104
TNT Bead 34mm Gap



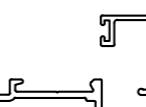
C8147
Screen Adaptor



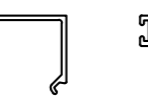
C8100
Transmission Bar
20um clear anodised



C9902
Bead 18.5 Gap



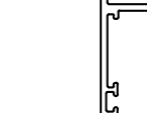
C9901
Bead 25mm Gap



C0054
Bead 35mm Gap



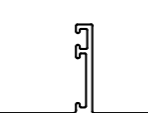
C016-2
Bead 47mm Gap



C8117
Max Multi Lock Sash



C8115
Max CDG Multi Lock Adaptor

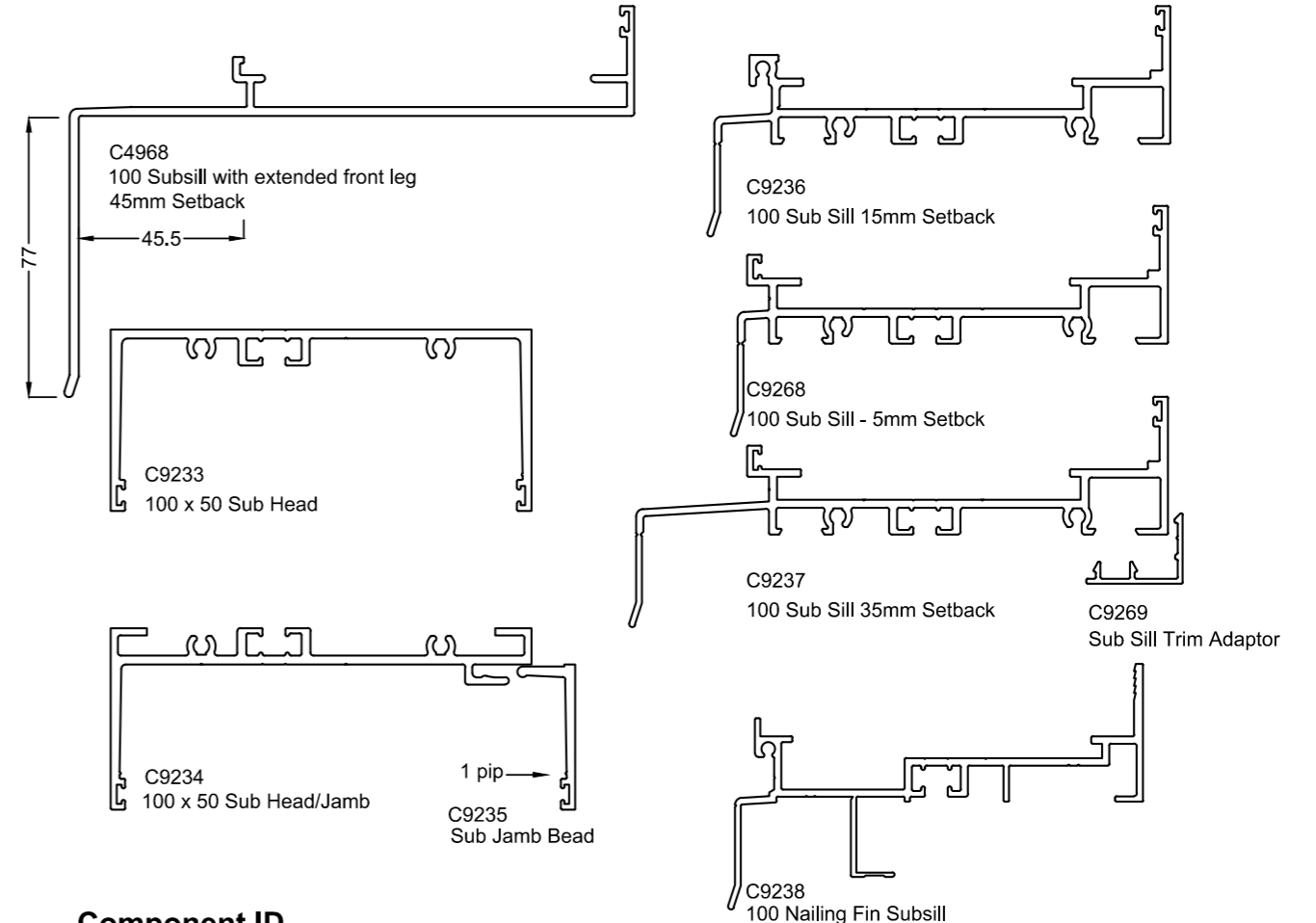
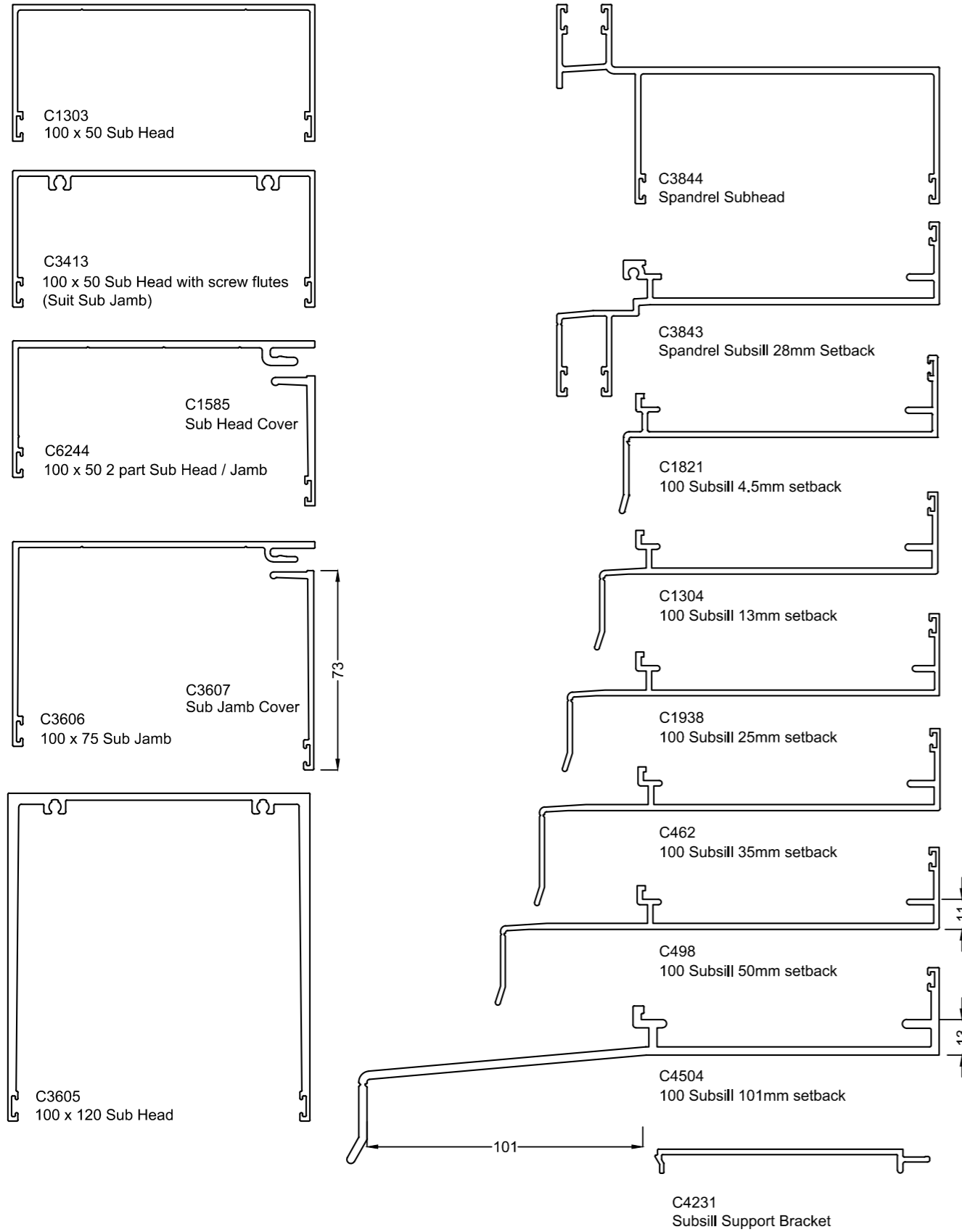


C8115
Max CDG Multi Lock Adaptor

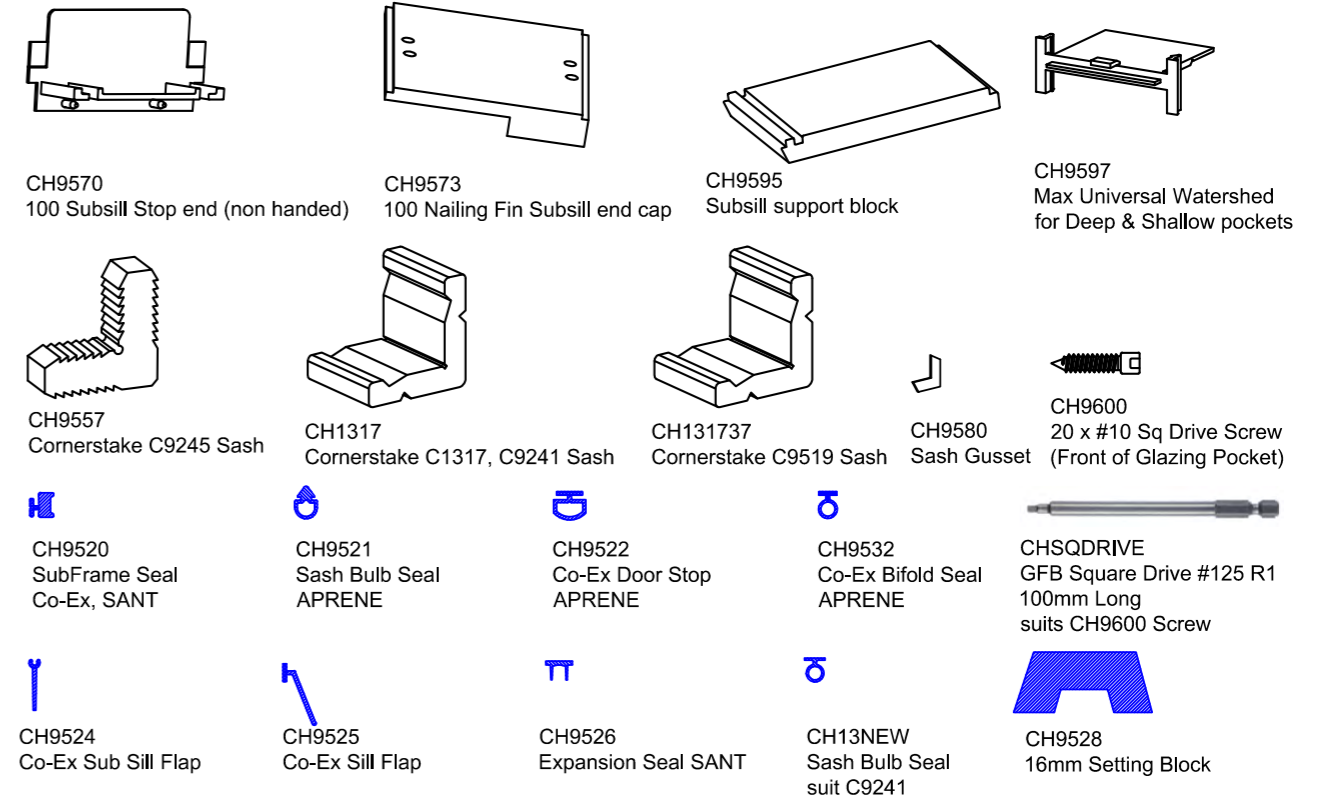


C200R
25 x 11 Extruded Screen

Max™ 100 x 50mm FRONT DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100FDG - 4
Extrusion ID



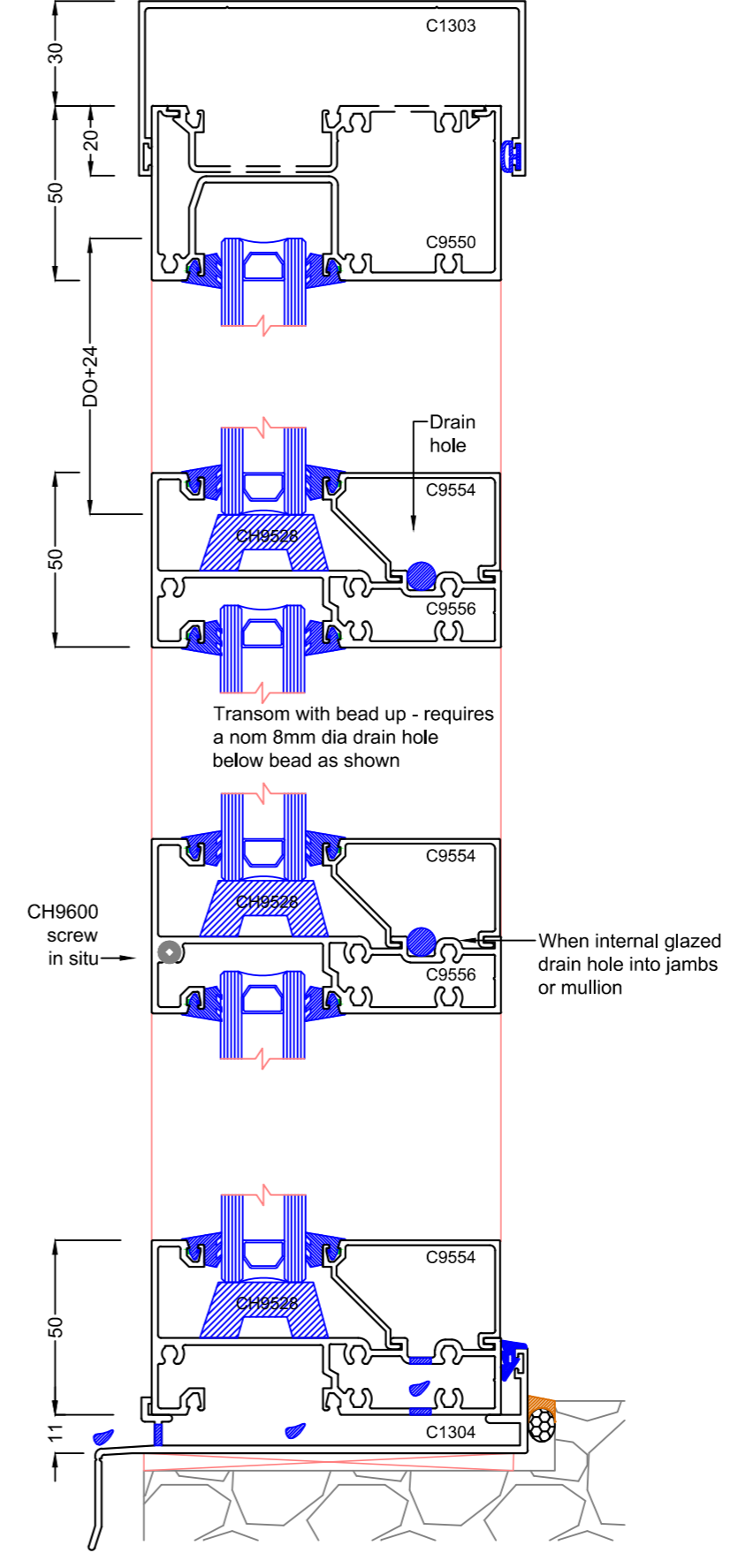
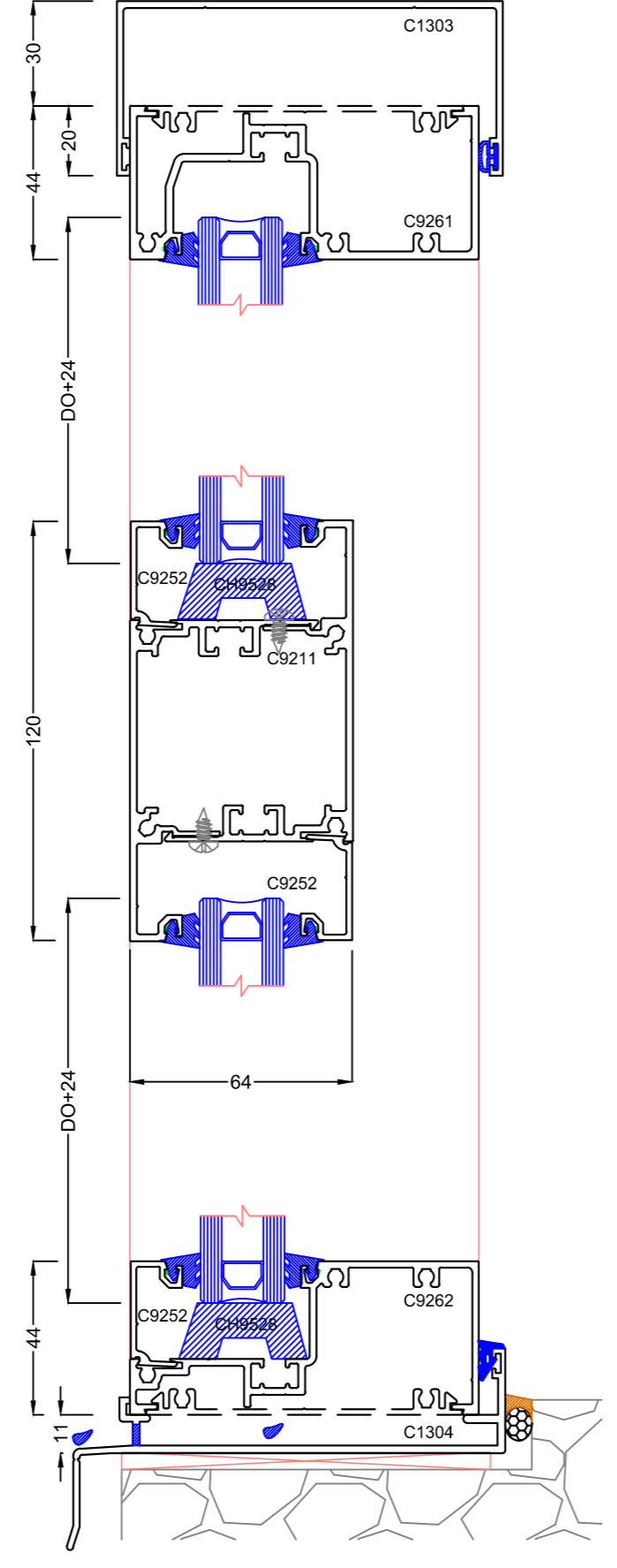
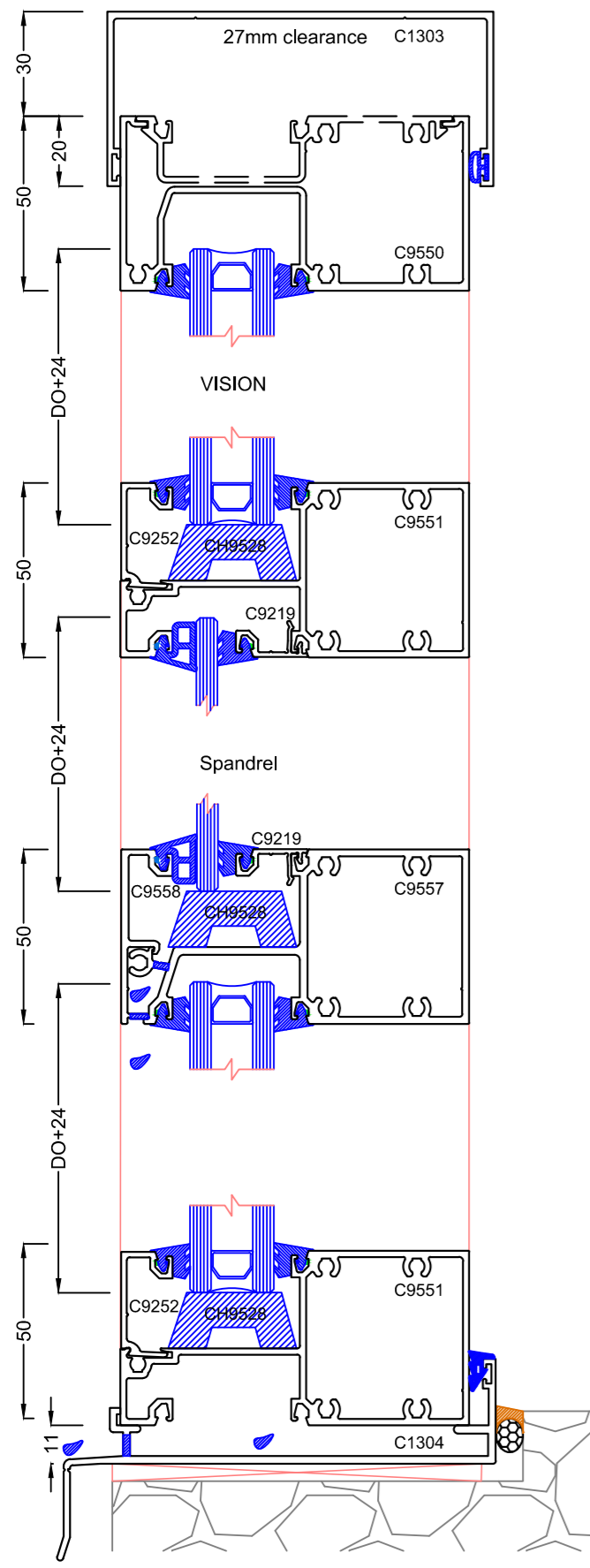
Component ID



Max™ 100 x 50mm FRONT DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100FDG - 5
50mm Head & Sill External Glazed

44mm Head & Sill & 120mm midrail

50mm Head & Sill Internal Glazed
Internally glazed transoms with "bead up"

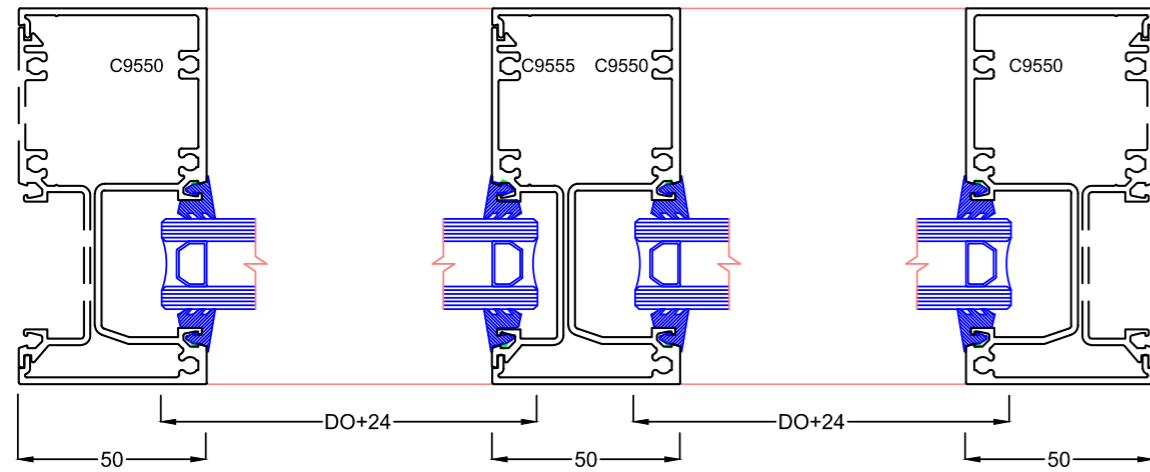


Max™ 100 x 50mm FRONT DOUBLE GLAZED - 34mm Pocket

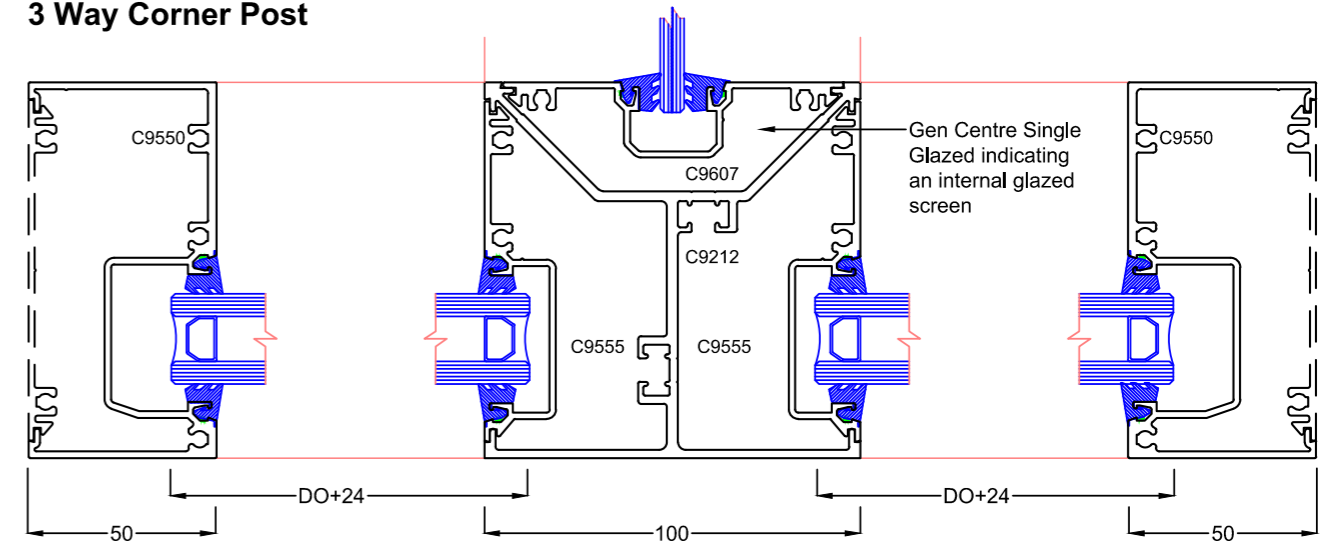
Max Framing Systems: M100FDG - 6

50mm Jamb

50mm Standard Mullion



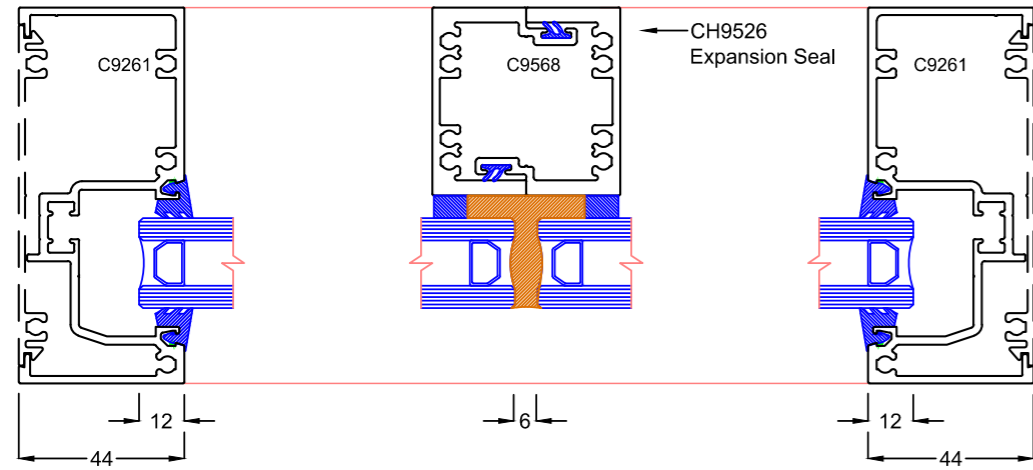
3 Way Corner Post



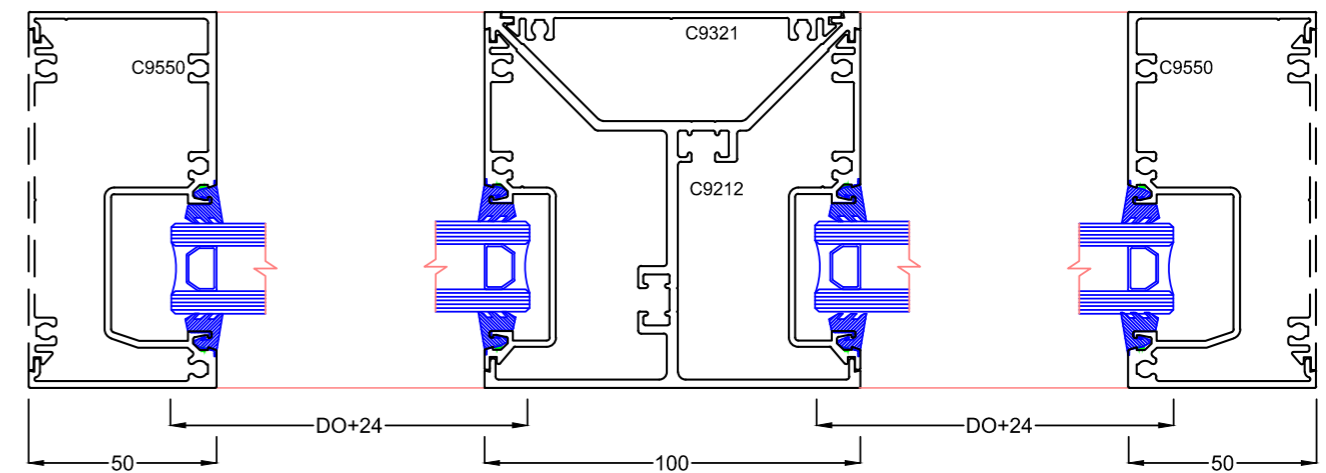
A 3 way configuration typically occurs where an internal partition wall adjoins. In this situation the front glazed adaptor cannot be used on the internal side.

44mm Jamb

50mm Blind Mullion



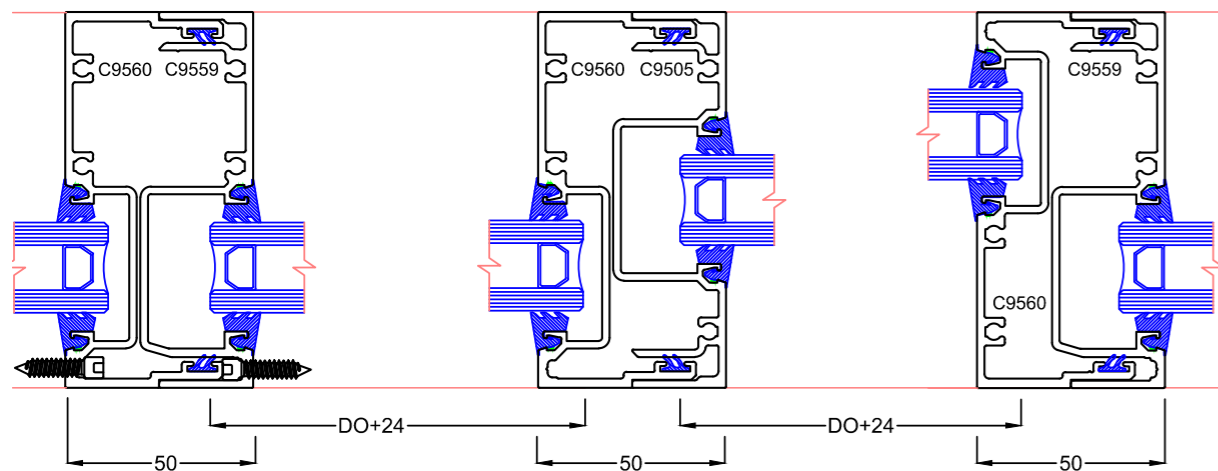
180 Degree Post



50mm Split Mullion

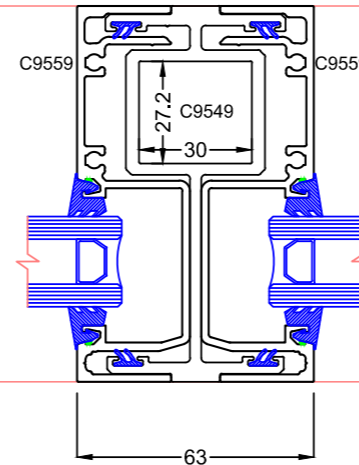
Front/Centre Mullion

Front/Front Reversed



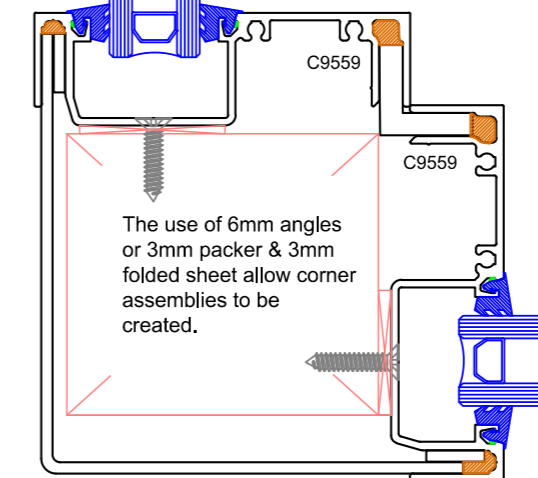
Coupled Mullion

Non standard application, can be used as an additional strength mullion



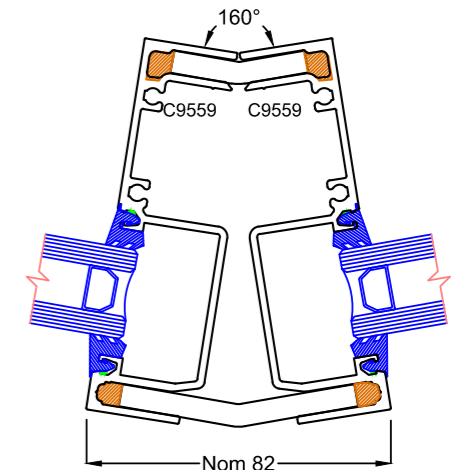
Corner Assembly

6mm angle or 3mm packer, 3mm angle bedded into sealant

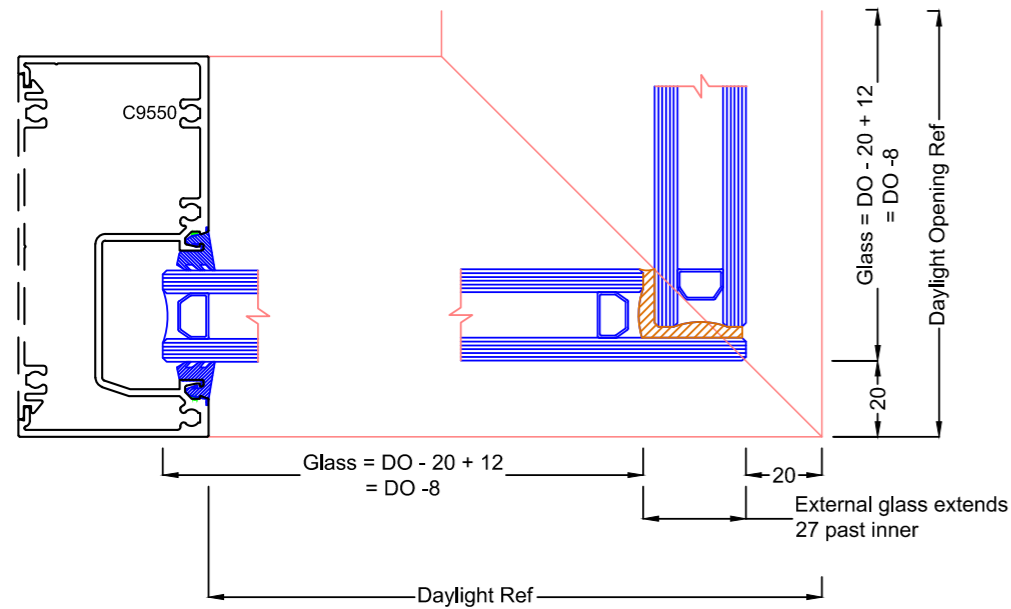


Splayed corner

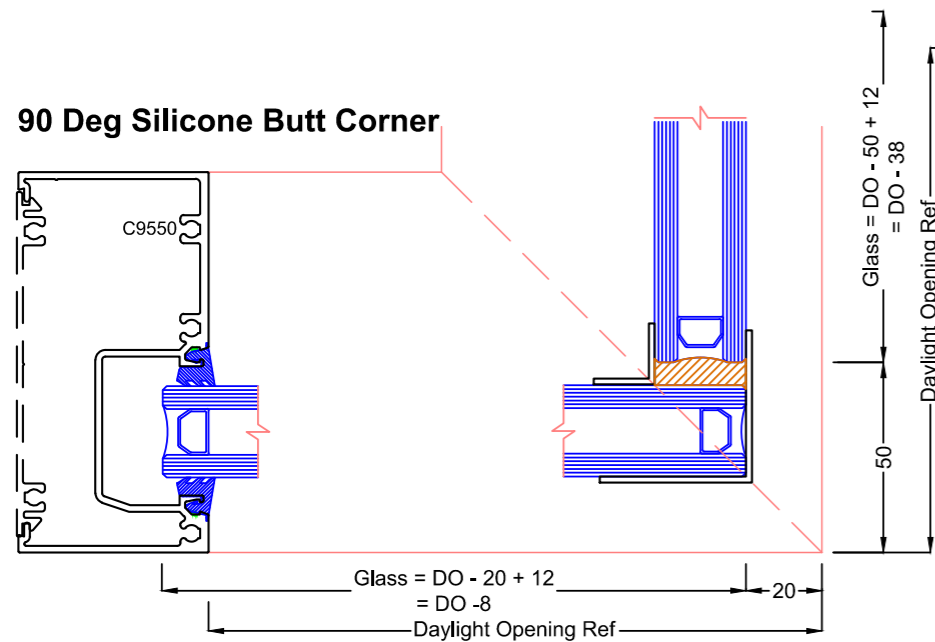
6mm folded aluminium plate sleeved inside mullion, siliconed into place. Angles less than 160° would require mullions to be spread further apart.



Max™ 100 x 50mm FRONT DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100FDG - 7
90 Deg Silicone Butt Corner

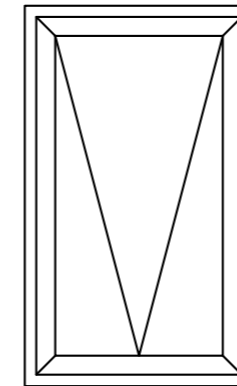


Silicone butt corners can be done several ways & may not always be aesthetically pleasing as it shows a wide black line in the corner from the line of silicone or IGU spacer



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 1.5

Inset Awning Sash

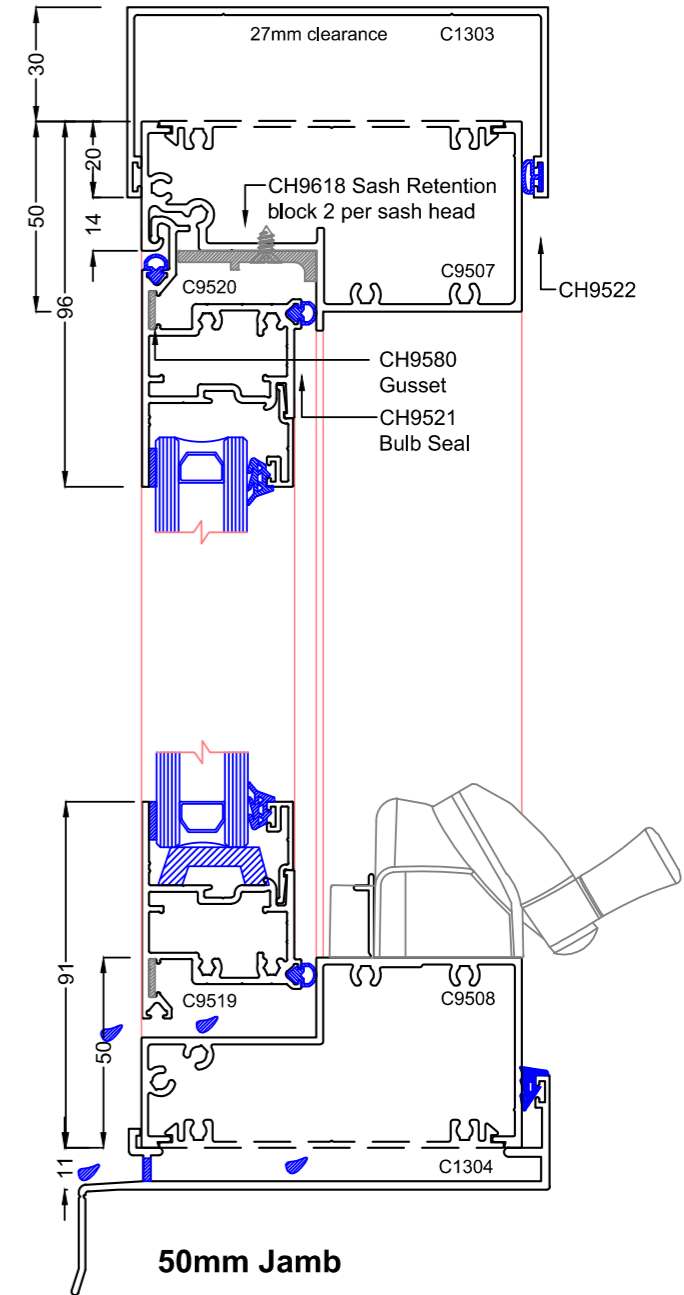


Note:
Maximum Sash weights generally are 30kg for a single chain winder & 70kg for a dual chain winder & 70kg with stays.

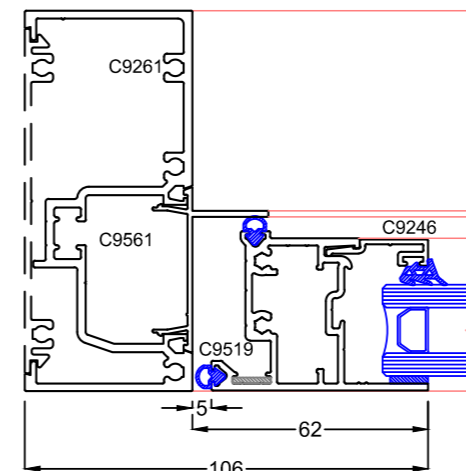
- Max Sash Height: 1600mm
- Min Sash Width: 450mm
- Max Sash Width: 1200mm
- Glass: 6-28mm

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

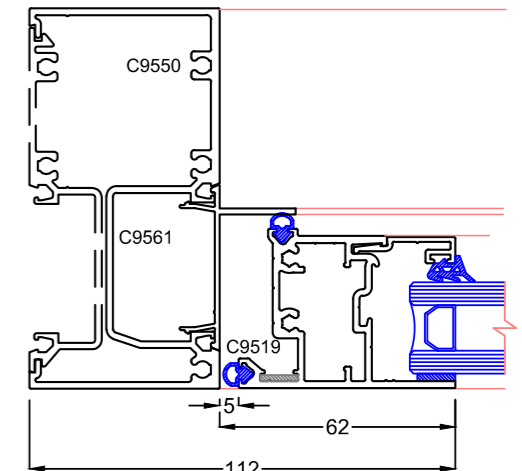
50mm Hinge Head & Winder Sill



44mm Jamb



50mm Jamb



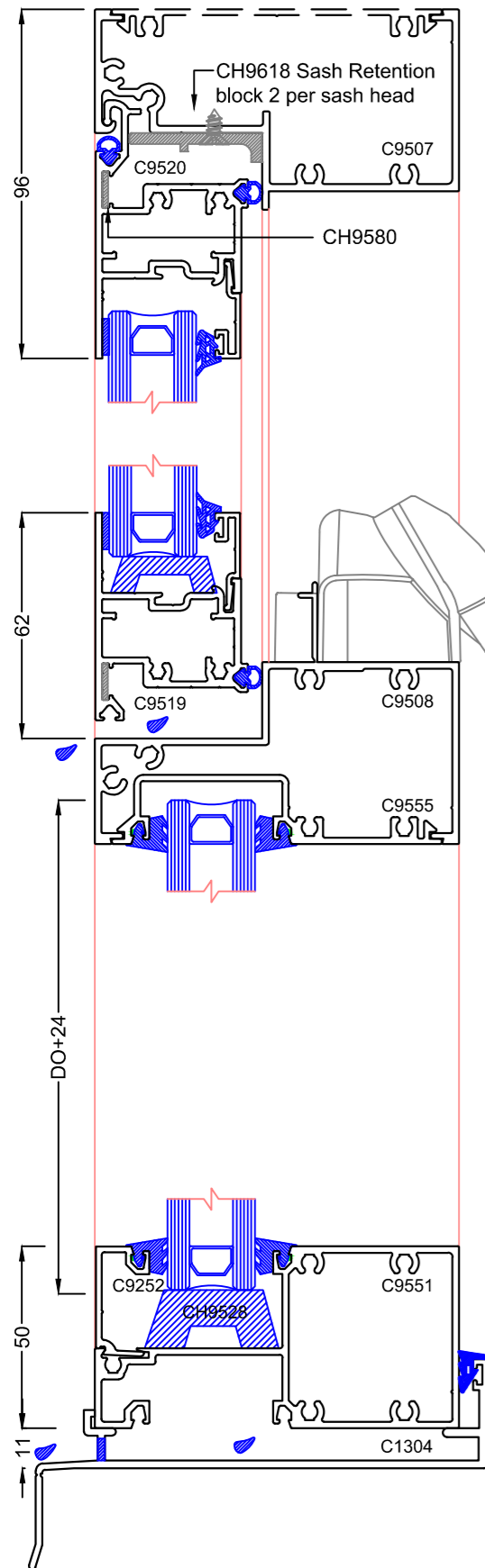
MAX™ 100 Front Double Glazed

Max™ 100 x 50mm FRONT DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100FDG - 8
50mm Hinge Head & Winder Sill Transom

Hinge Head Transom

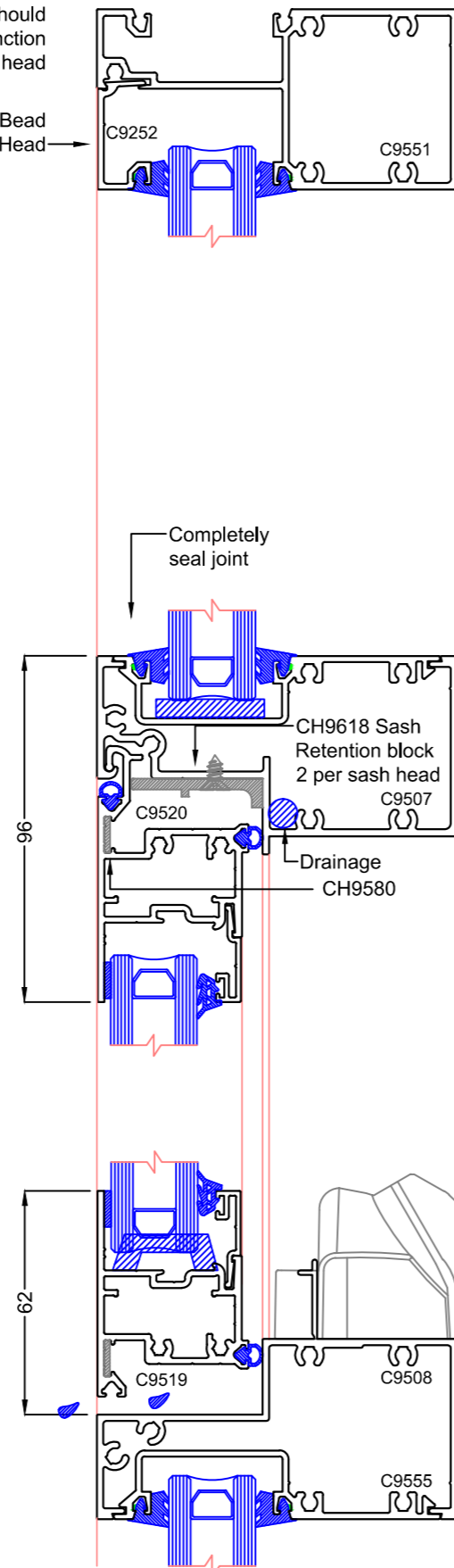
50mm Hinge Head & Double Winder Transom

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

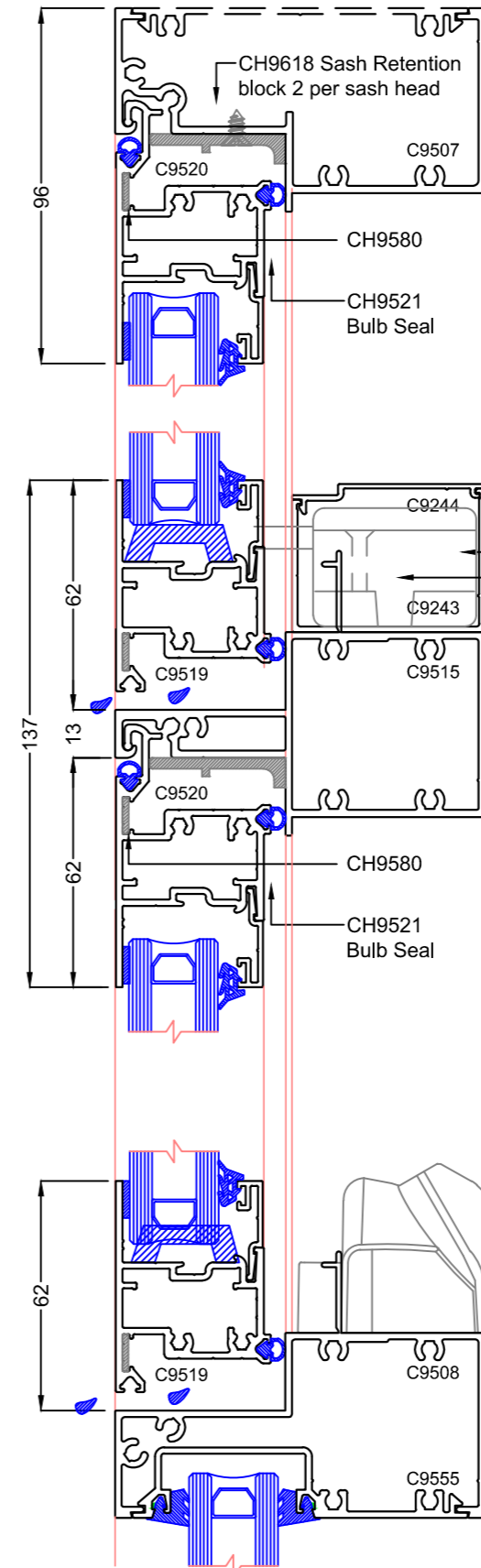


Note: Sill at head should not be used in conjunction with a sub head

Take off Bead at Head



Completely seal joint

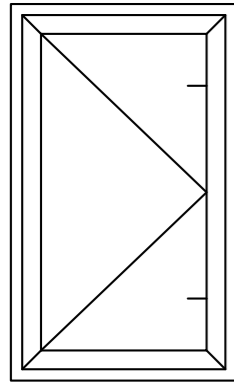


Elevation, Kimo Motorised Winder

Break off flyscreen skirt from transom

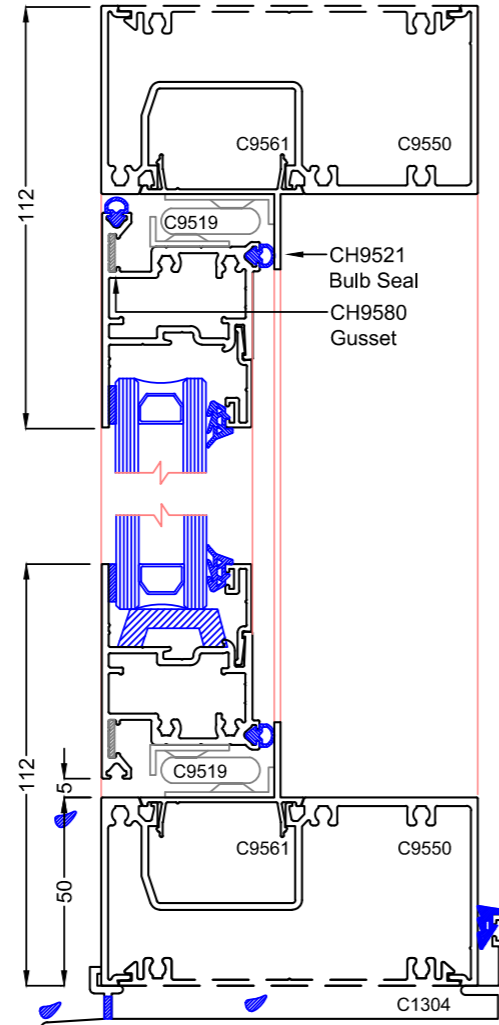
MAX™ 100 Front Double Glazed

Max™ 100 x 50mm FRONT DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100FDG - 9
Inset Casement Sash

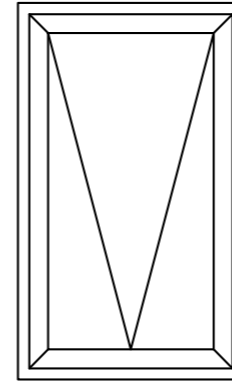


Note:
Left Hand Sash depicted
Maximum Sash weights generally are 30kg which is limited by the hardware.
• Maximum Sash width is 900mm.
• Accepts Q-Lon acoustic seals
Please refer the Sashes segment in the catalogue for hardware limits & options

50mm Head & Sill

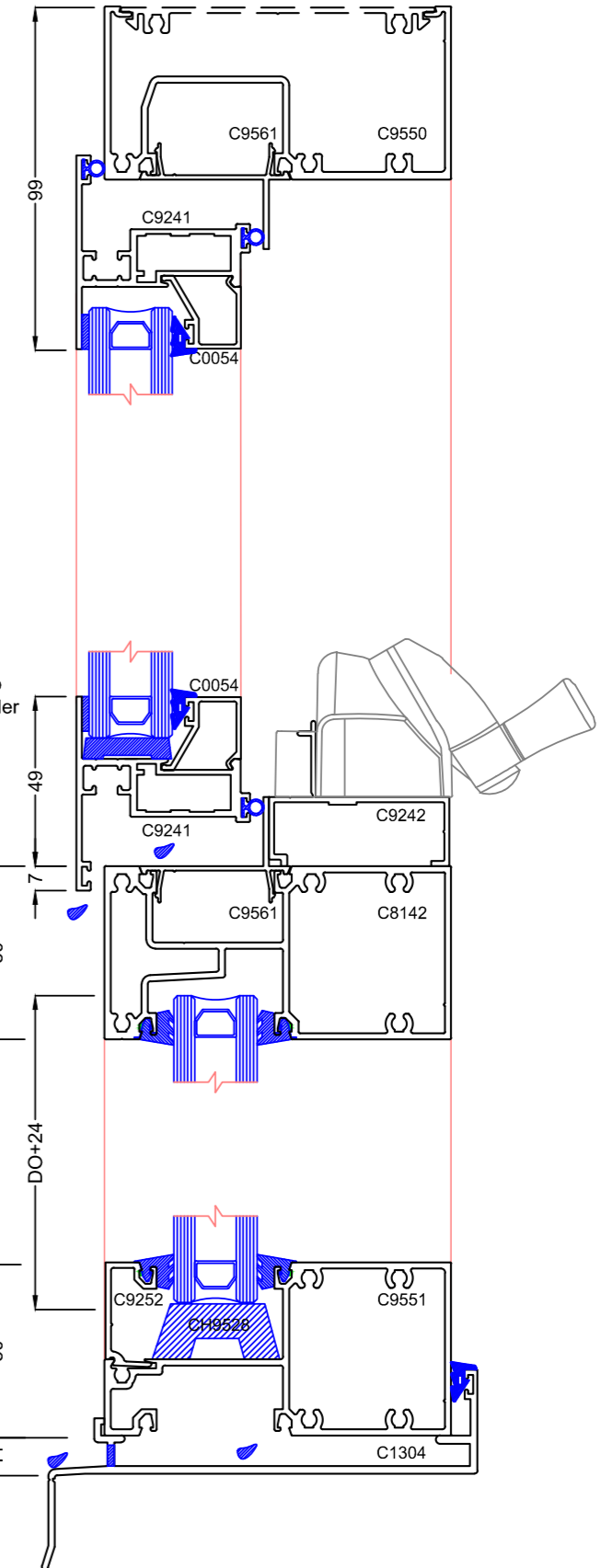


46mm Overlap Awning Sash on stays

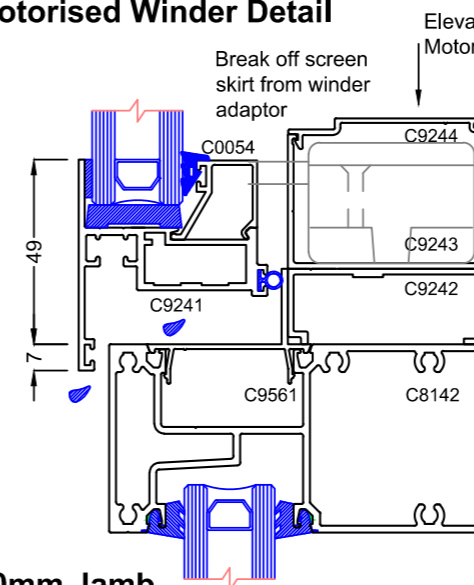


Note:
Maximum Sash weights generally are 30kg for a single chain winder & 70kg for a dual chain winder & 70kg with stays.
• Max Sash Height: 1600mm
• Min Sash Width: 450mm
• Max Sash Width: 1200mm
• Glass: 6mm - 35mm
• Accepts Q-Lon acoustic seals
Please refer the Sashes segment in the catalogue for further information on sash limits & hardware selection.

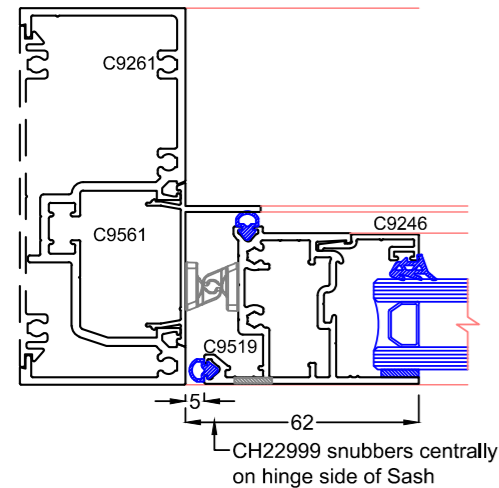
50mm Head & Sill with Drained Transom



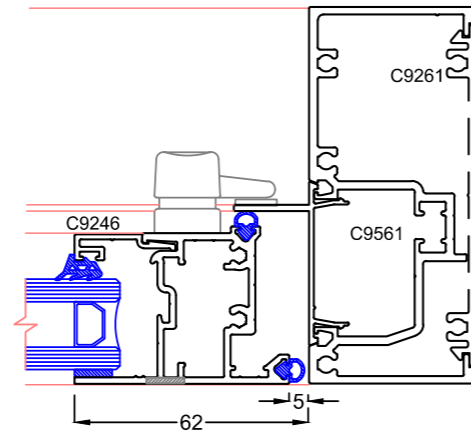
Motorised Winder Detail



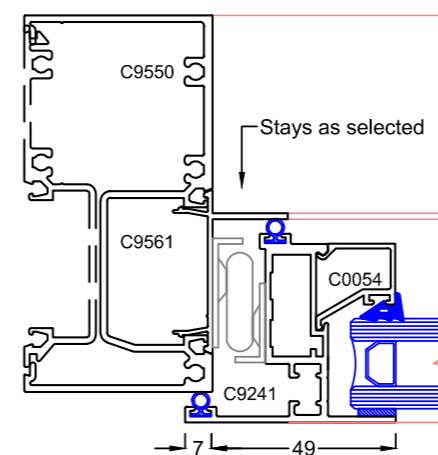
Casement 44mm Jamb "Hinge Side"



Casement 44mm Jamb "Closing Side"



50mm Jamb



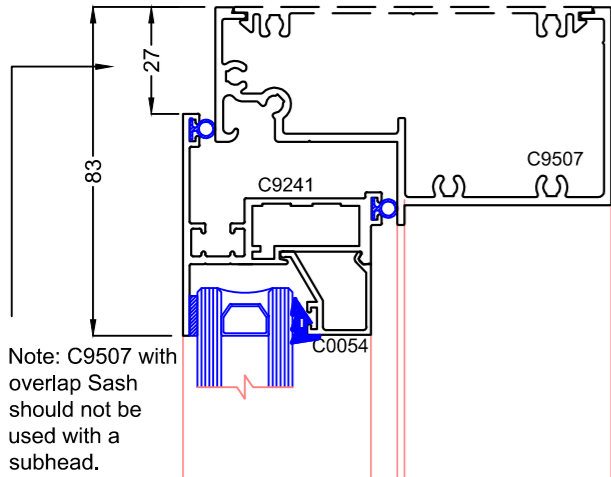
MAX™ 100 Front Double Glazed

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

Max Framing Systems: M100FDG - 10

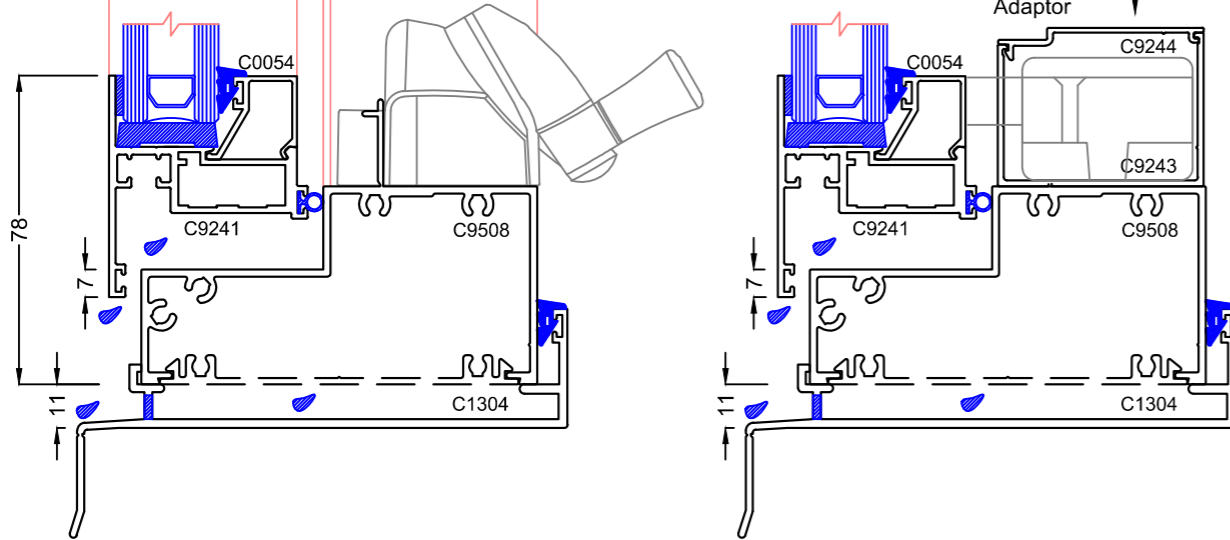
46mm Overlap Awning Sash with Winder Head & Sill

for use with stays

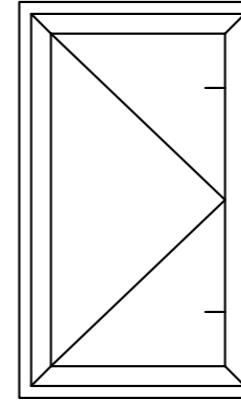


Motorised Winder Detail

Break off screen skirt from Winder Adaptor
Elevation, Kimo Motorised Winder



46mm Overlap Casement Sash

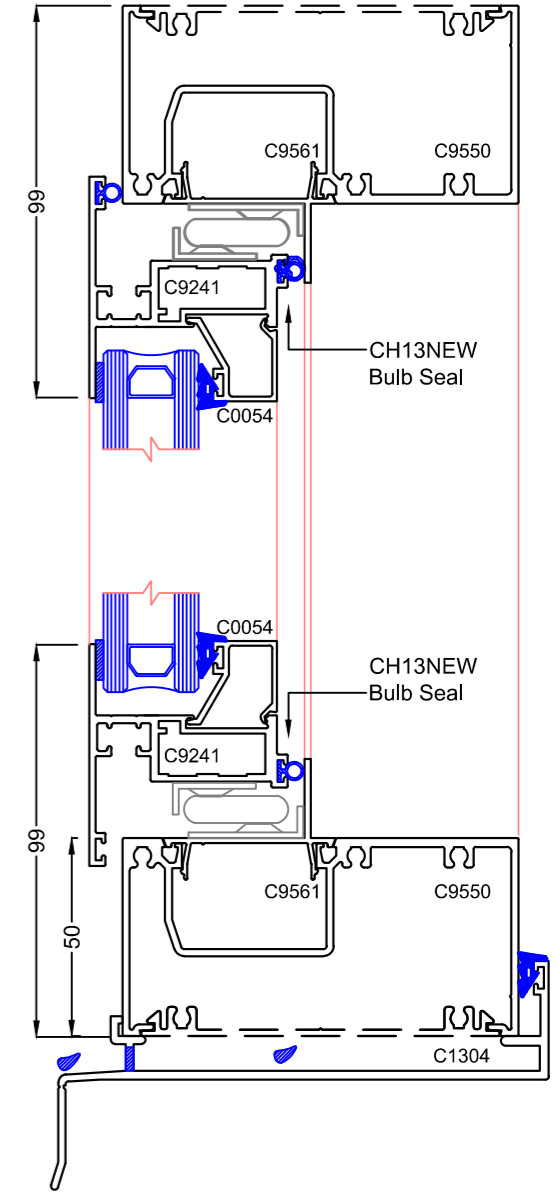


Note:
Left Hand Sash depicted
Maximum Sash weights generally are 30kg, limited by the hardware.

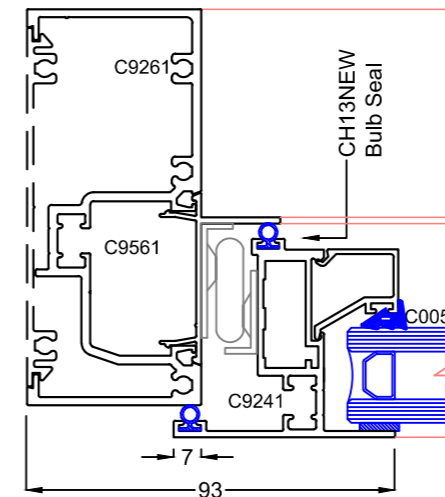
- Maximum Sash width is 900mm.
- Glass: 6mm - 35mm
- Accepts Q-Lon acoustic seals

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

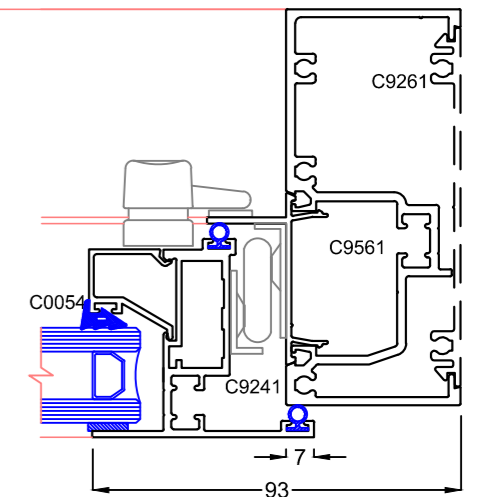
50mm Head & Sill



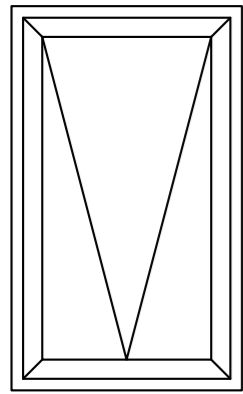
Casement 44mm Jamb "Hinge Side"



Casement 44mm Jamb "Closing Side"



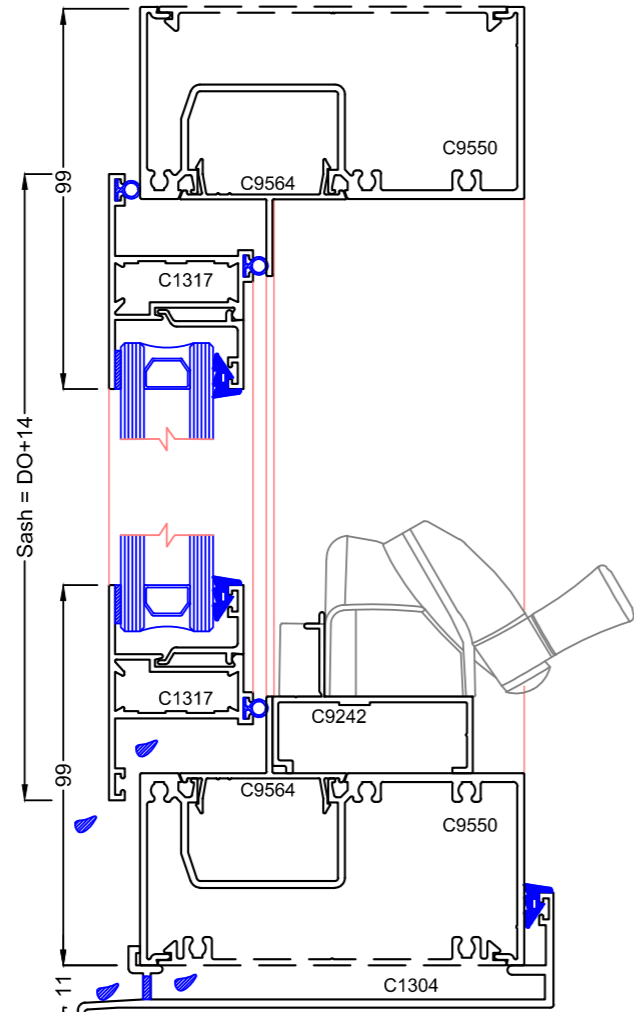
Max™ 100 x 50mm FRONT DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100FDG - 11
35mm Overlap Awning Sash on stays 50mm Head & Sill



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

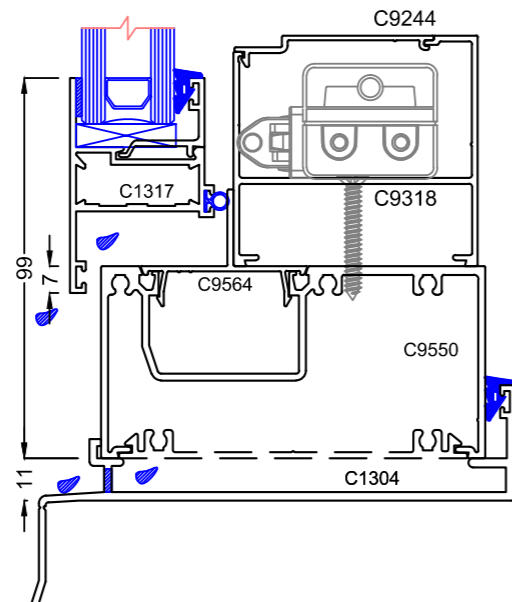
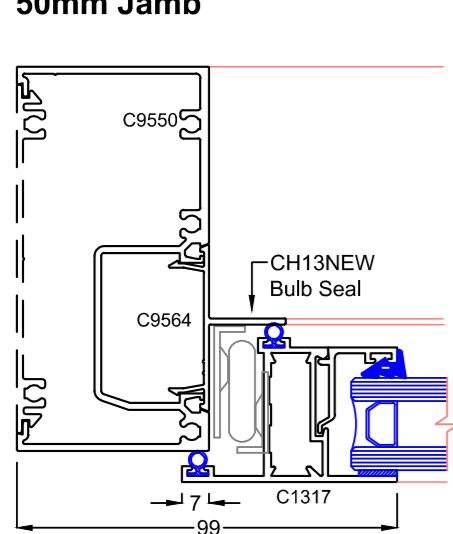
- Max Sash Height: 1600mm
- Min Sash Width: 450mm
- Max Sash Width: 1200mm
- Glass: 5mm - 24mm
- Accepts Q-Ion acoustic seals

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

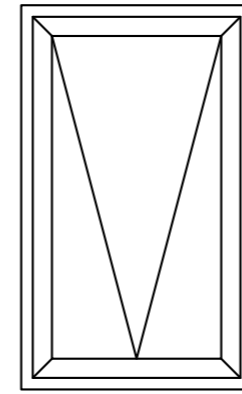


Motorised Winder box
accepts Somfy, Arens, D&H
Mechatronics CDC200

50mm Jamb



Truth Awning Sash

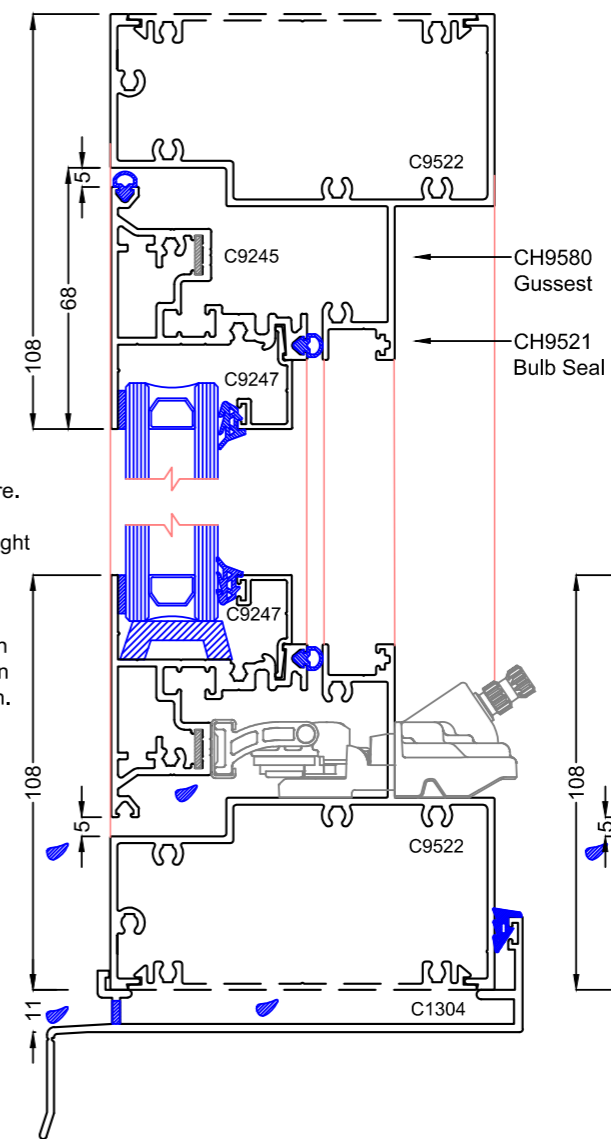


Note:
Maximum Sash weights generally up to 100kg, limited by the hardware.
Maximum Sash height 2100mm
Sash width dependant on Sash height

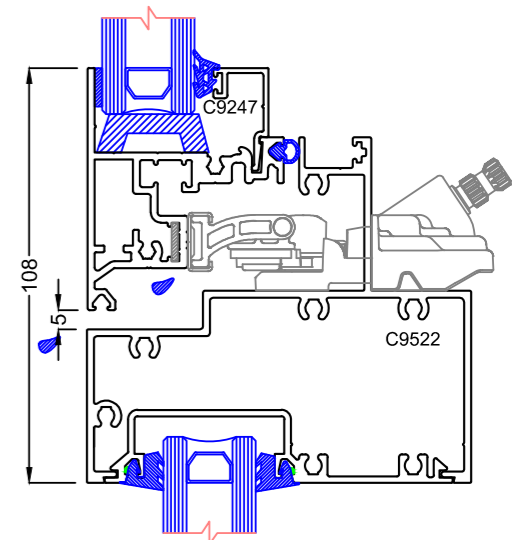
- Multi-lock should be used on Sashes over 1600mm high.
- Glass: 24mm - 36mm

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

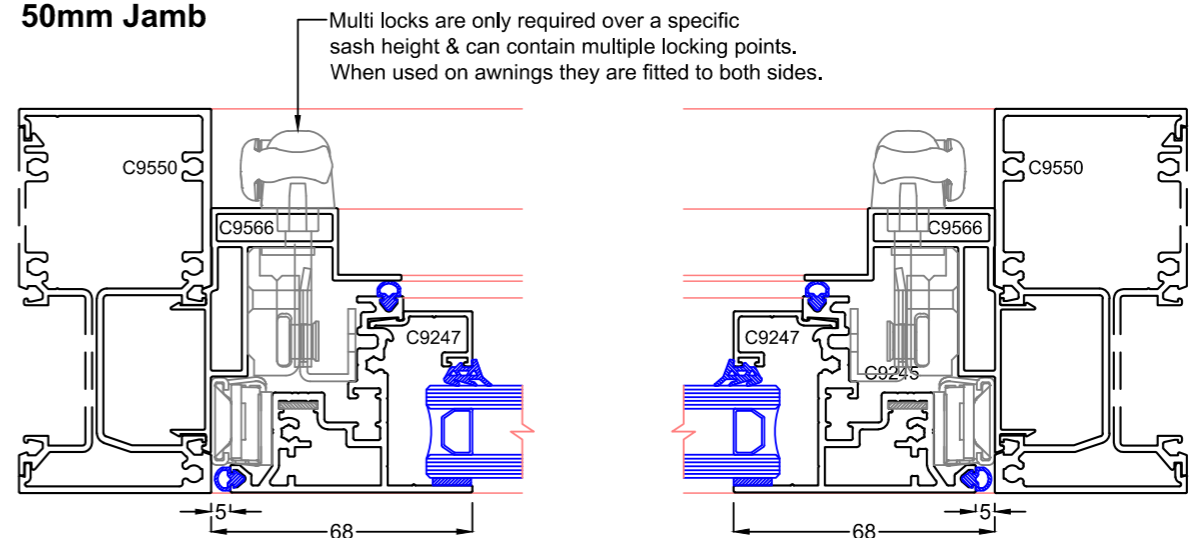
Truth Awning Sash Head & Sill



Sill Transom Detail



50mm Jamb

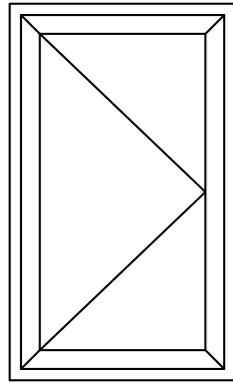


MAX™ 100 Front Double Glazed

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

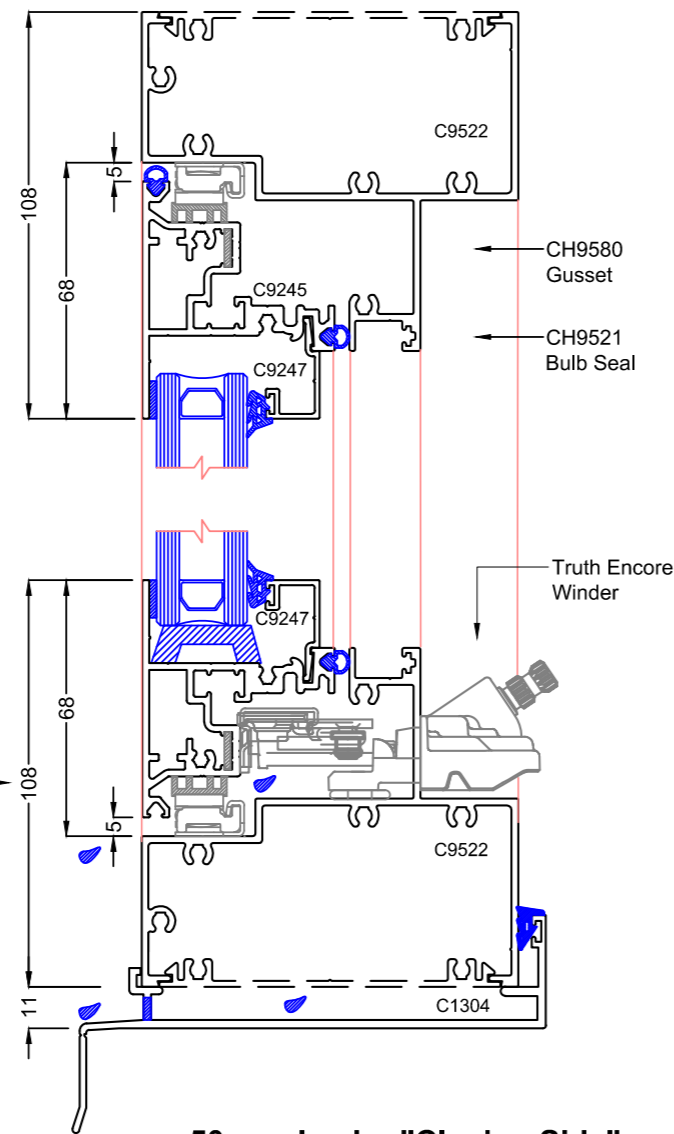
Max Framing Systems: M100FDG - 12

Truth Casement Sash

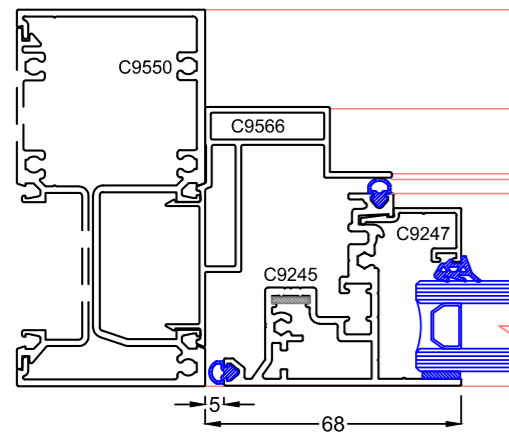


Note:
Left Hand Sash depicted
Maximum Sash weights generally are 50kg, limited by the hardware.
• Maximum Sash width is 900mm.
• Multi-point lock should be used on Sashes over 1600mm high.
• Glass: 24mm - 36mm
Please refer the Sashes segment in the catalogue for further information on sash limits & hardware selection.

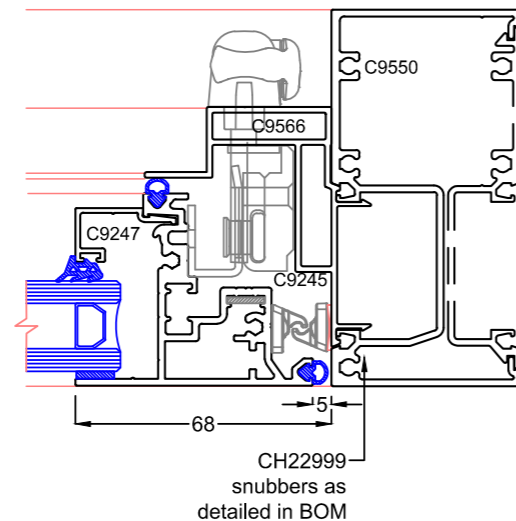
Truth Casement Sash Head & Sill



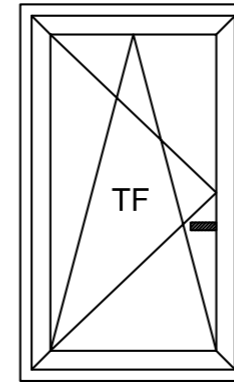
50mm Jamb - "Hinge Side"



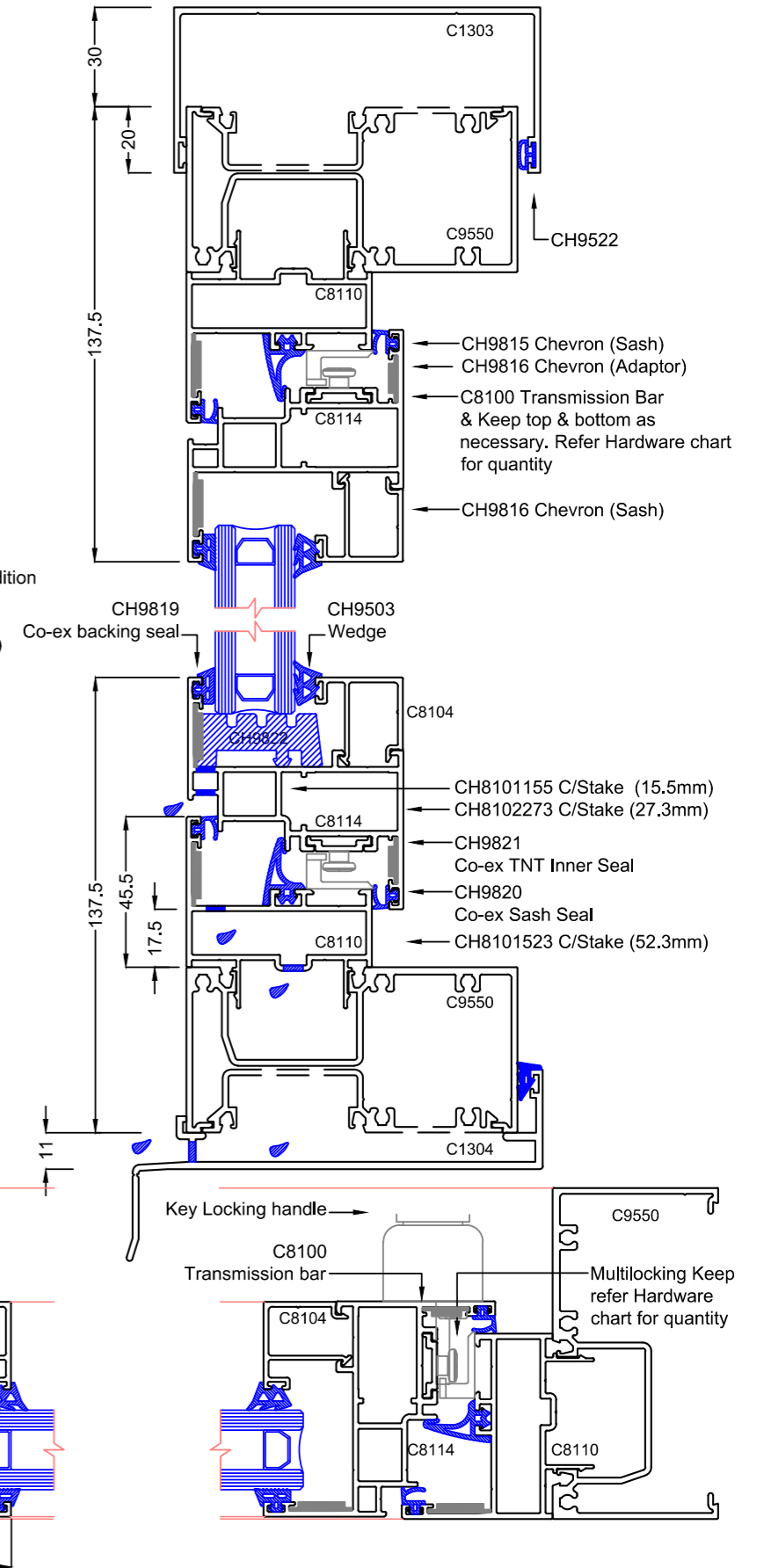
50mm Jamb - "Closing Side"



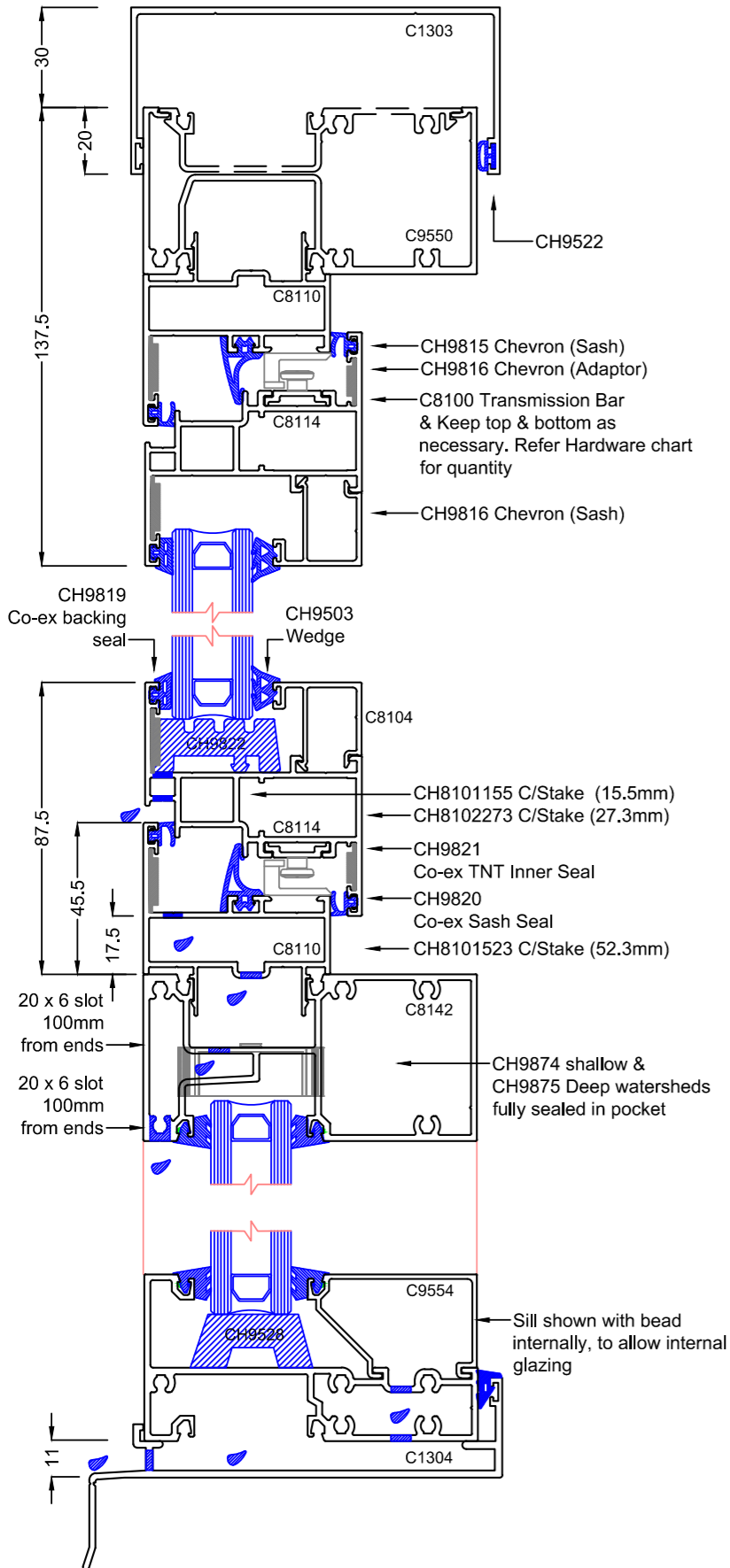
Tilt & Turn Sash (Tilt First)



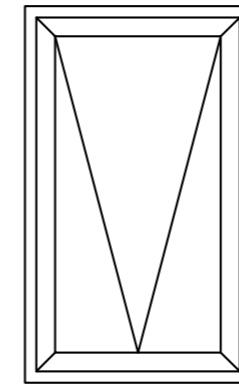
Note:
• Maximum Sash weights generally are 150kg with concealed hardware. Refer Hardware specification
• Heavier hardware options are available
• handle Operated key locking
• Initial tilt in, then key override to hinge as standard function
• Sash height must exceed Sash width.
- a tilt only option may 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: 24-28mm IGU
Please refer the Sashes segment in the catalogue for further information on sash limits & hardware selection.



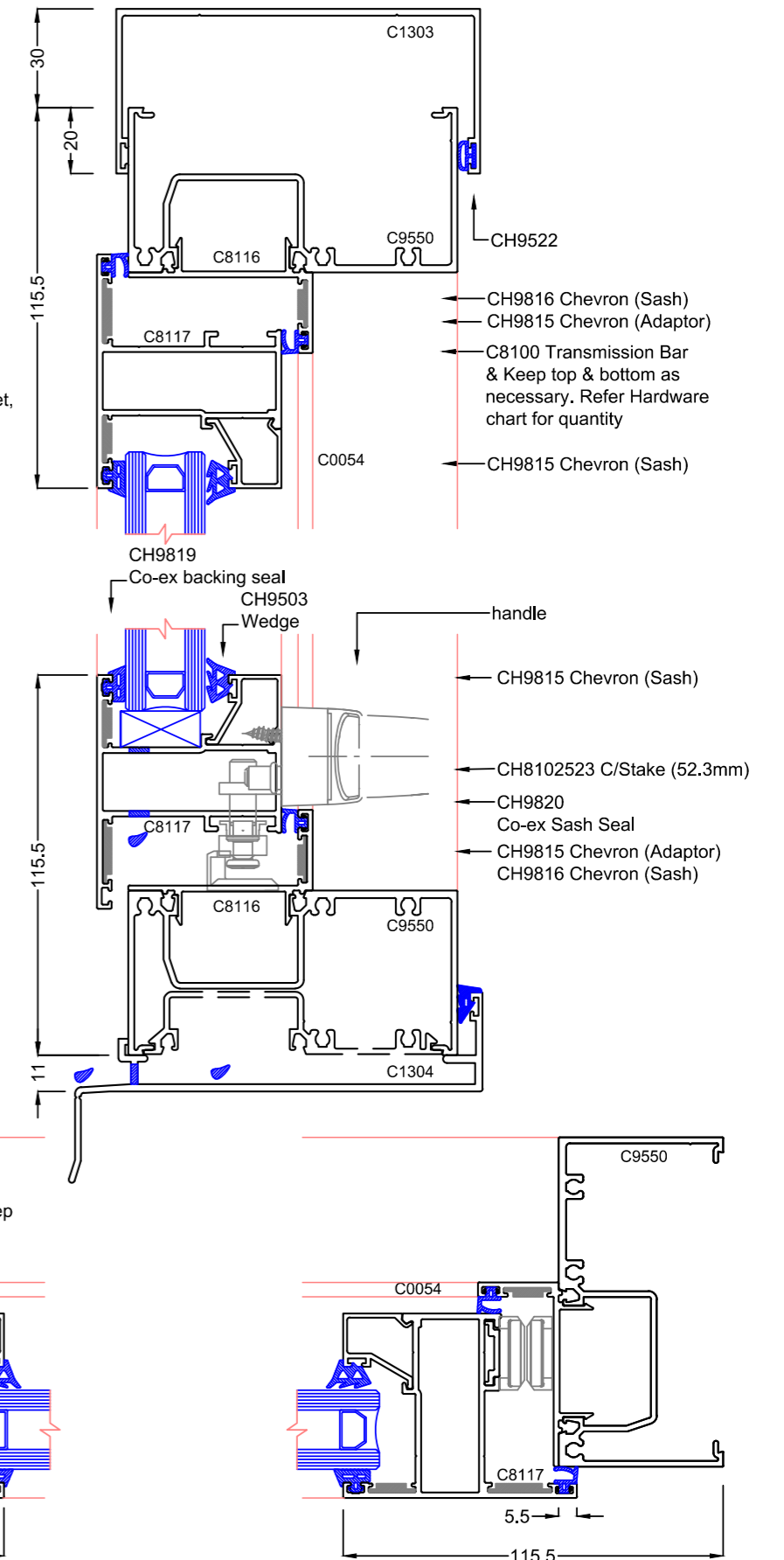
Max™ 100 x 50mm FRONT DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100FDG - 13
Tilt & Turn Sash with Drained Transom



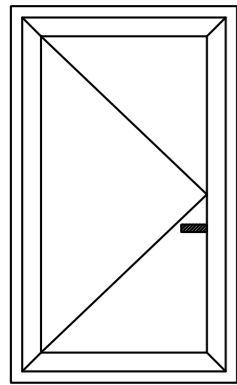
Multi Locking Awning Sash



- 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.



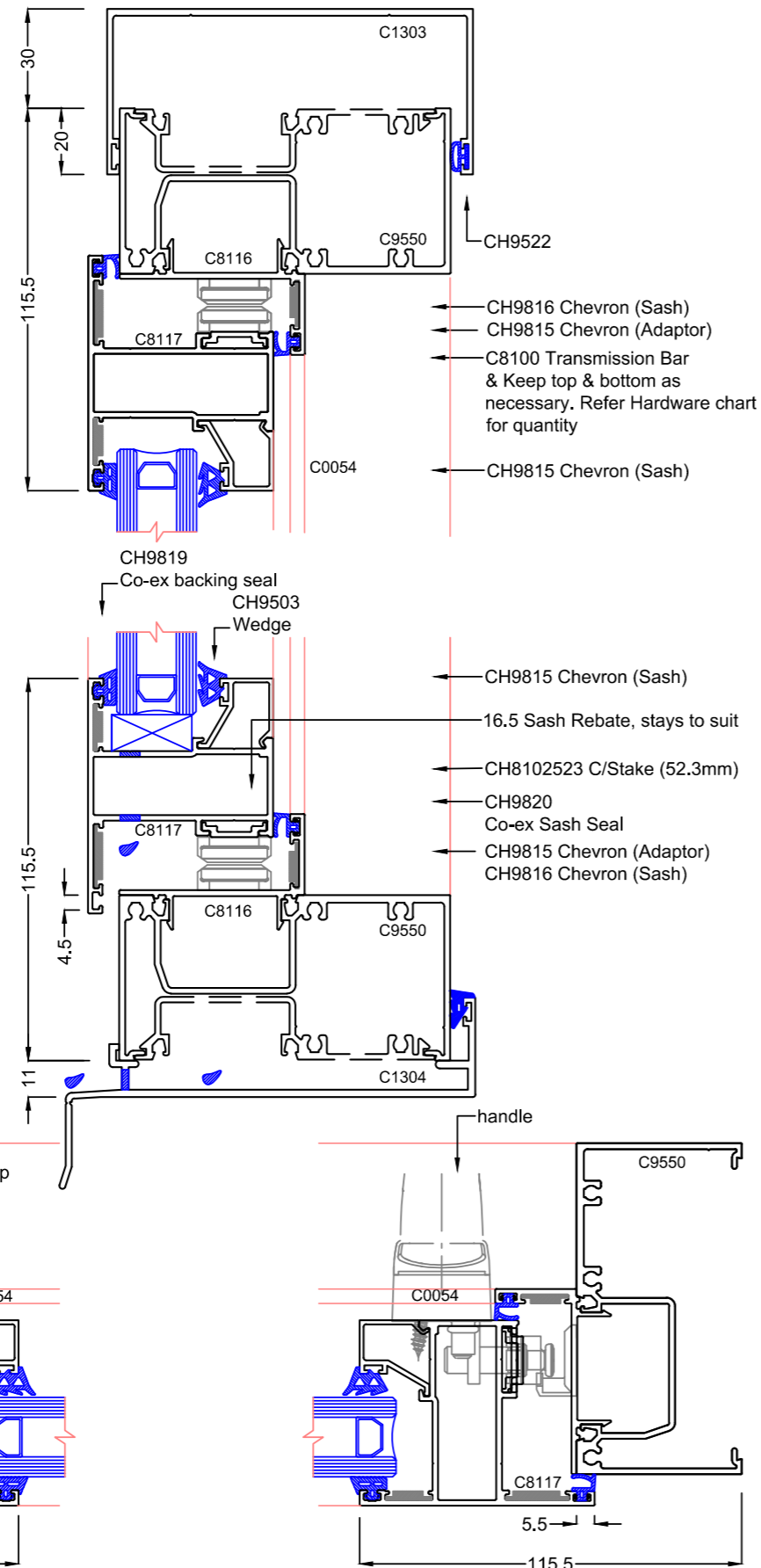
Max™ 100 x 50mm FRONT DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100FDG - 14
Multi Locking Casement Sash



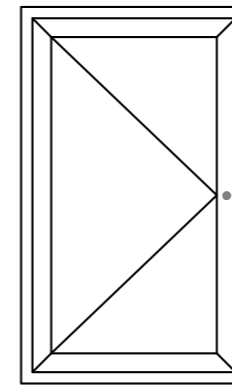
Note:
Left Hand Sash as viewed from Outside.

- 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

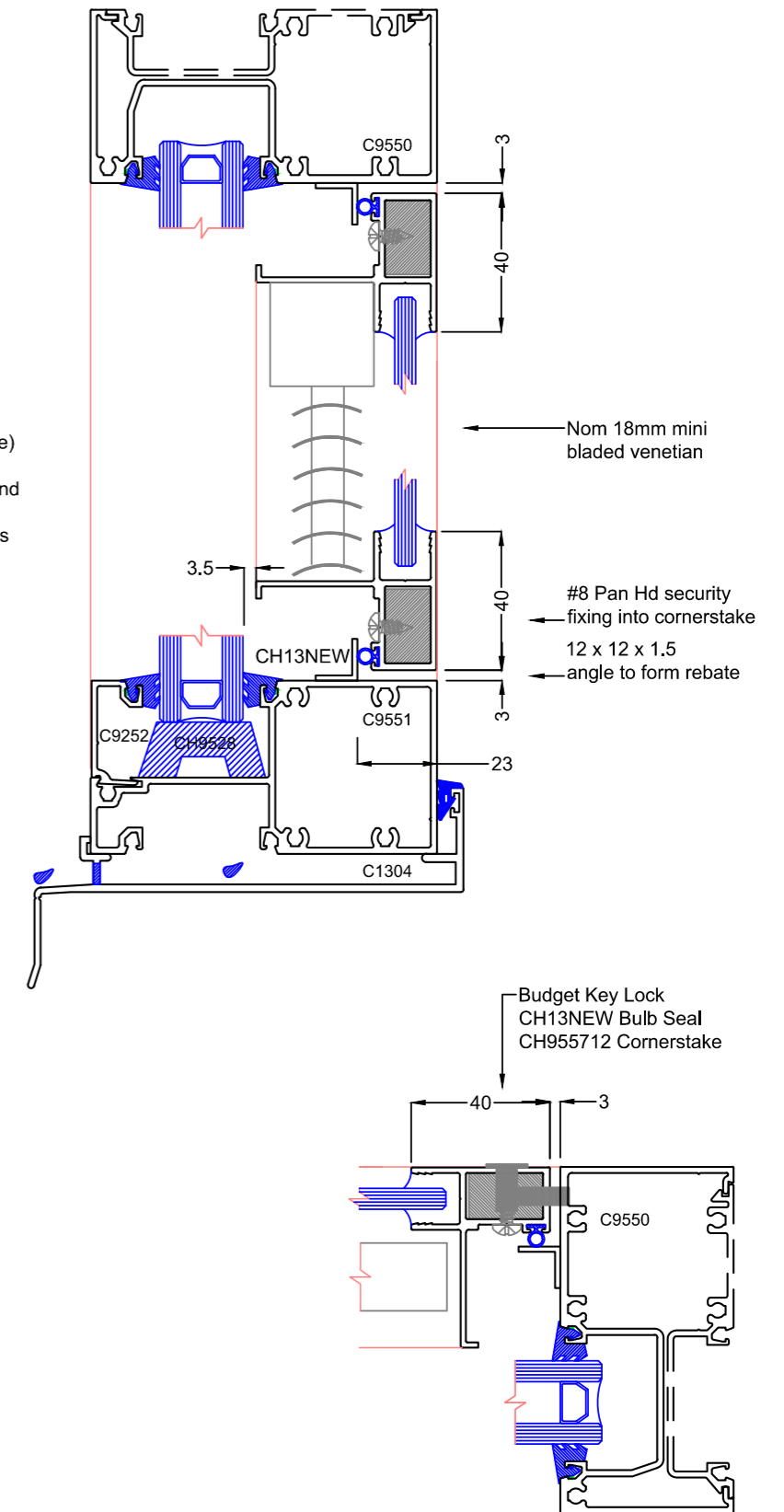
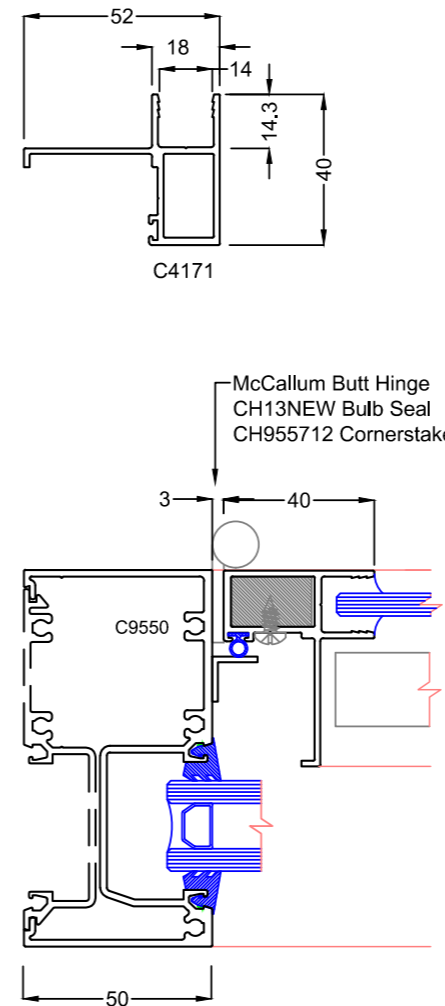
Please refer the Sashes segment in the catalogue for further information on sash limits & hardware selection.



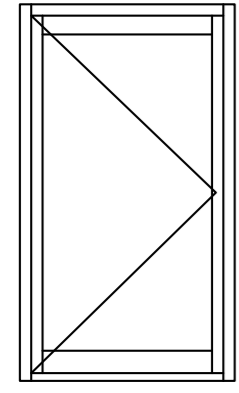
C4171 Jockey Sash



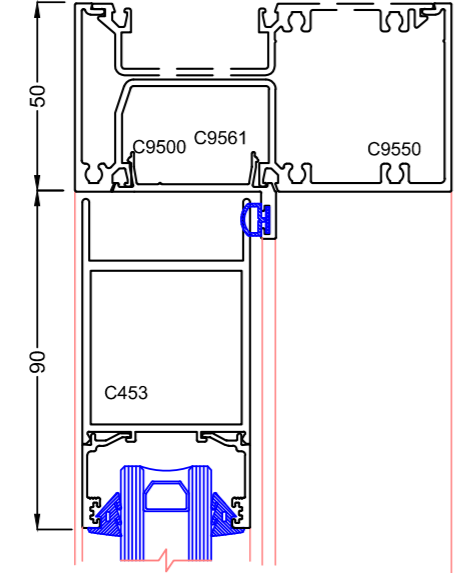
Note:
Left Hand Sash depicted (viewed from outside)
Used for secondary glazing for acoustics & especially for housing an internal venetian blind where it is behind a protected access panel.
The Sash itself is not a ventilation product & is designed to be openable via a key lock for maintenance purposes.



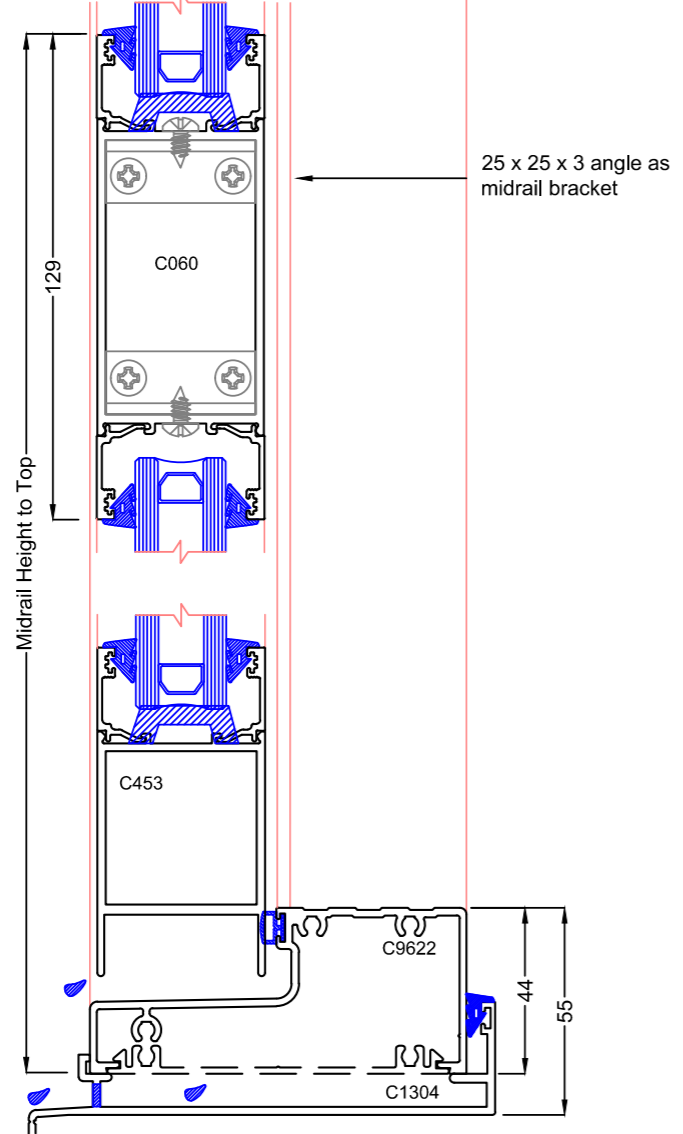
Max™ 100 x 50mm FRONT DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100FDG - 15
Hinged Door Open OUT



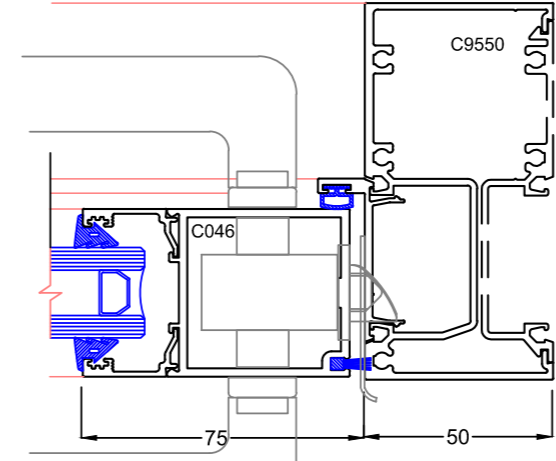
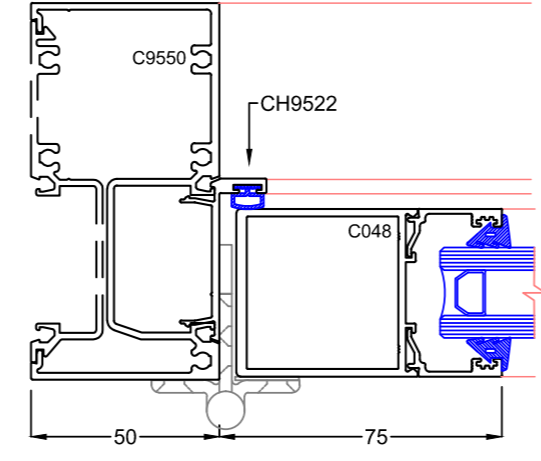
Note:
Maximum Door height 2700mm
Maximum Panel width 1000mm



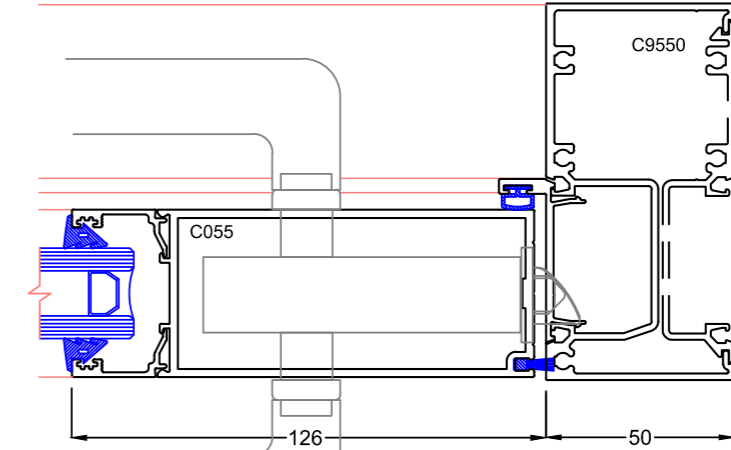
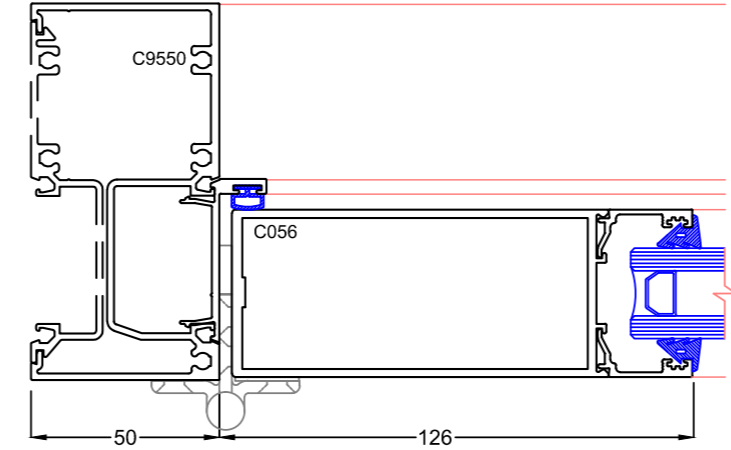
129mm Door Midrail



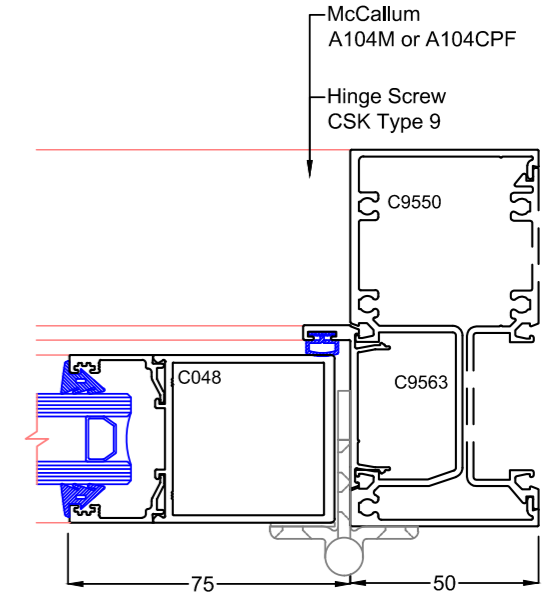
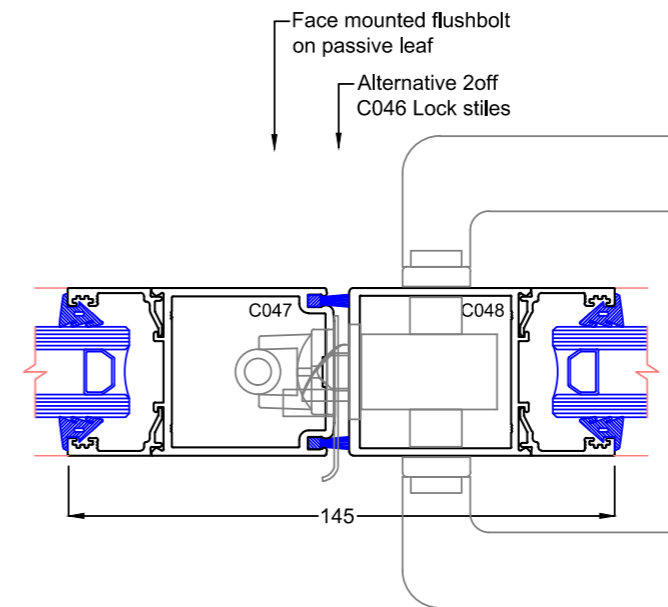
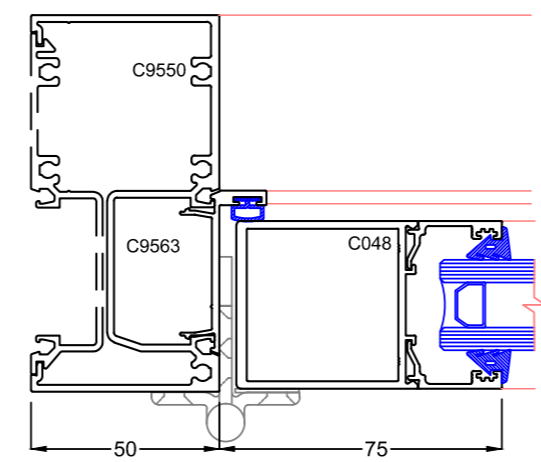
Left Hand Open OUT



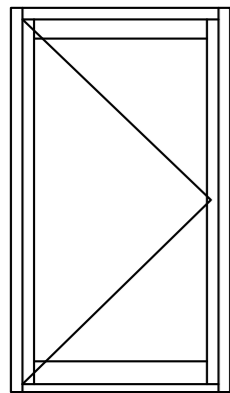
Left Hand Open OUT Door with Wide Plain & Lock Stile



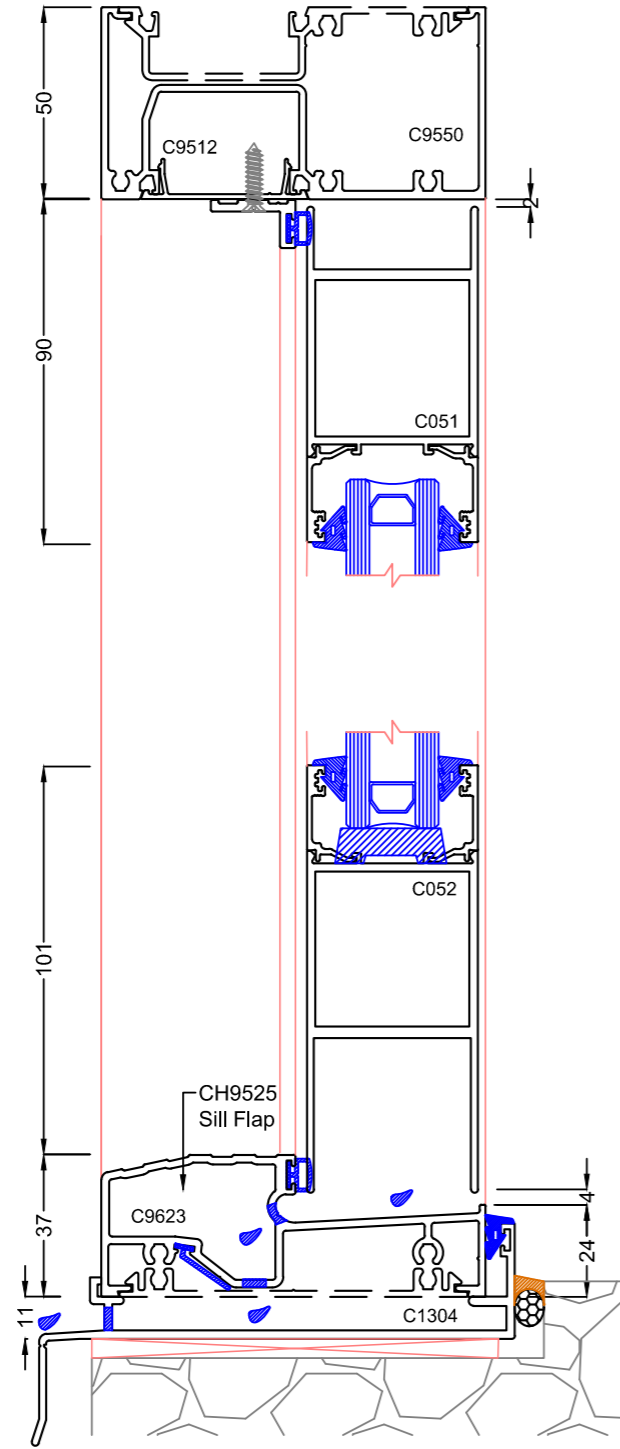
Pair of Open OUT Hinged doors



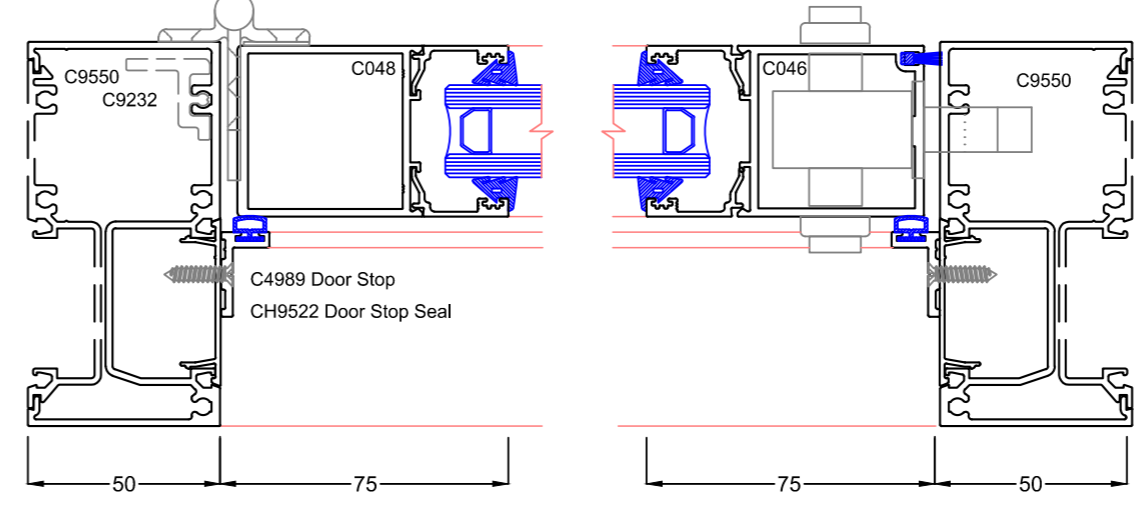
Max™ 100 x 50mm FRONT DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100FDG - 16
Hinged Door Open IN



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



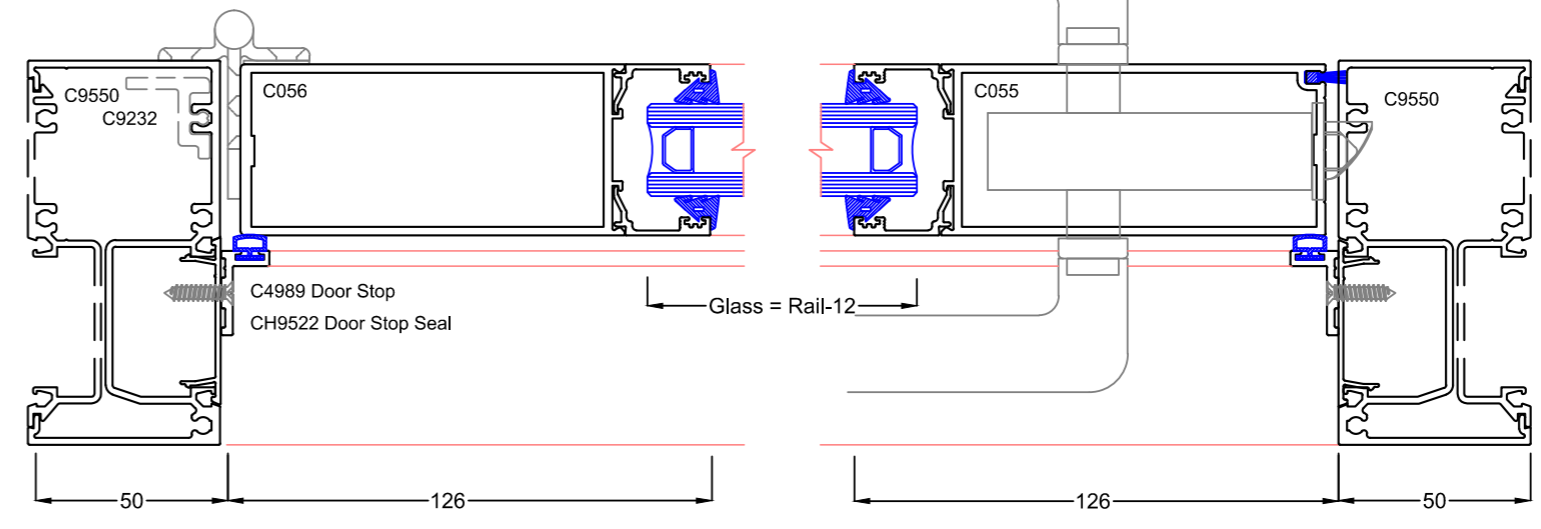
Left Hand Open IN



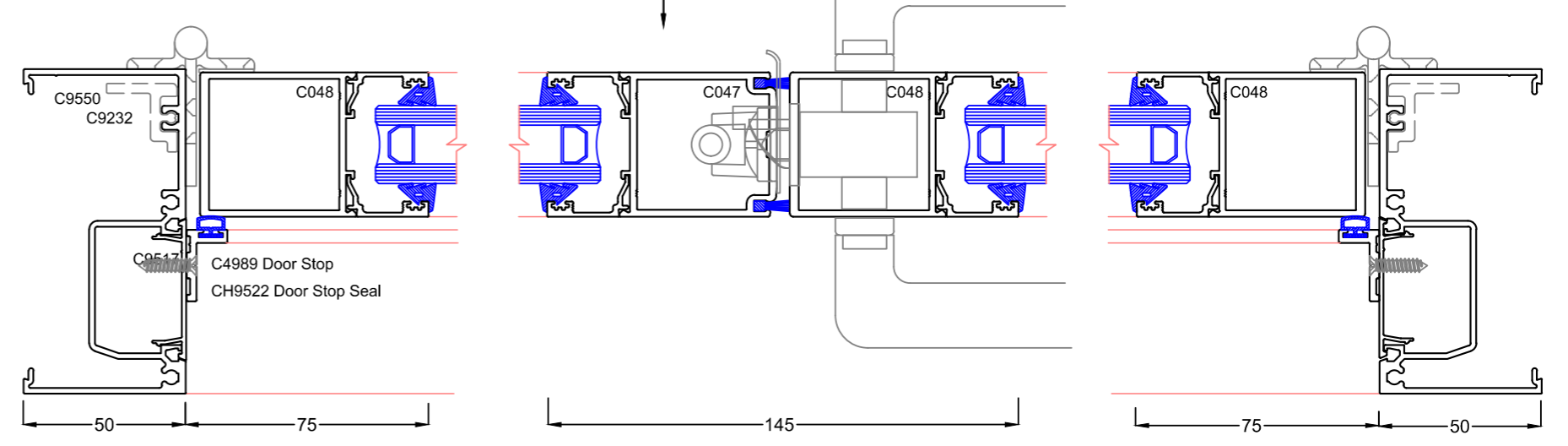
Note:
Open IN conditions where there are no highlights or sidelights, a door frame is better made using centre glaze extrusions as it allows the use of hinge backing plate

Left Hand Open In Door with Wide Plain & Lock Stile

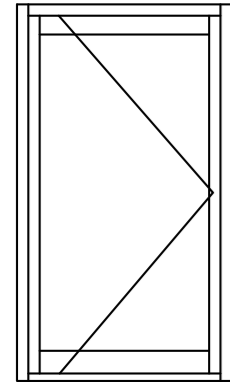
Deep rails are usually used with wide stiles to accentuate the door leaf



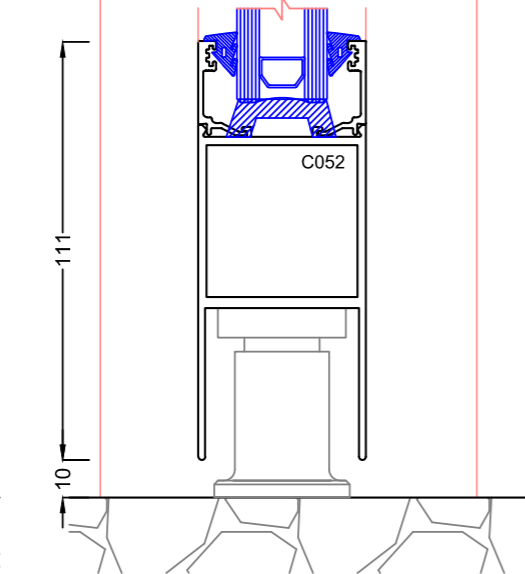
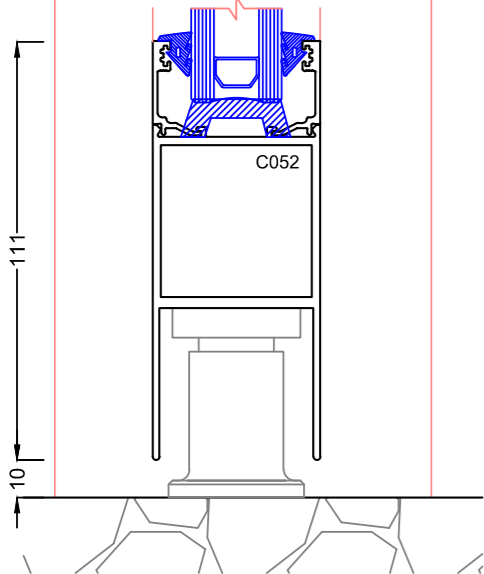
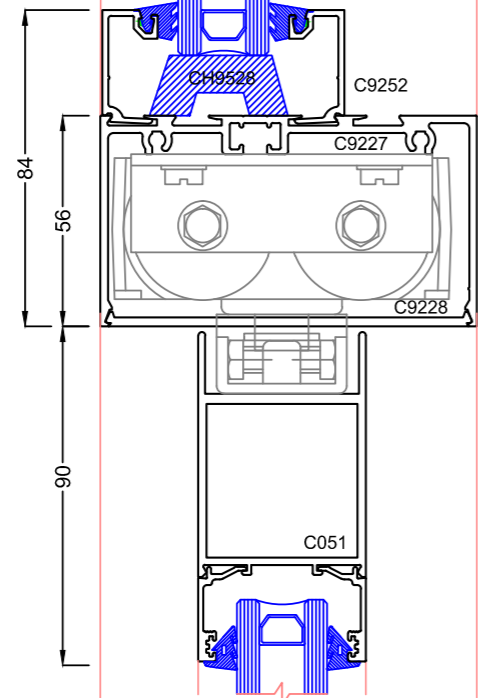
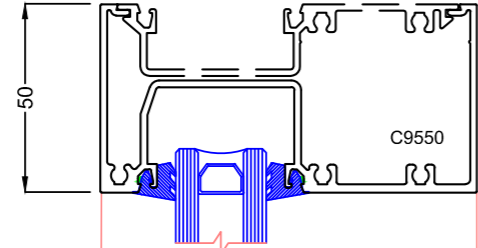
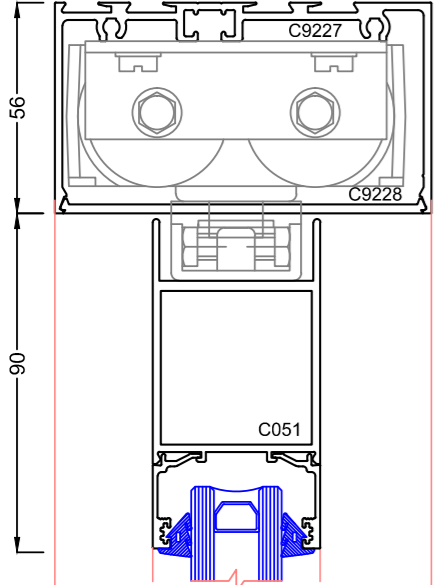
Pair of Open In Hinged doors



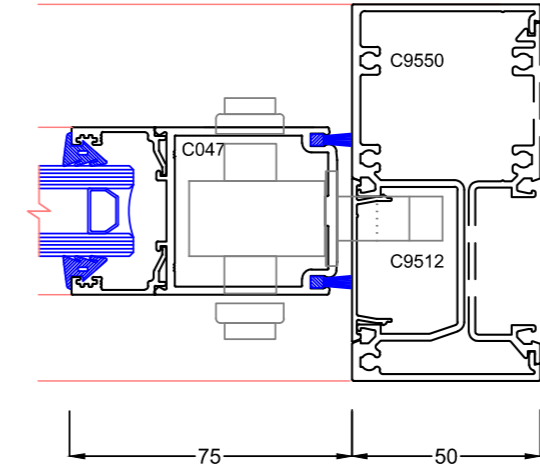
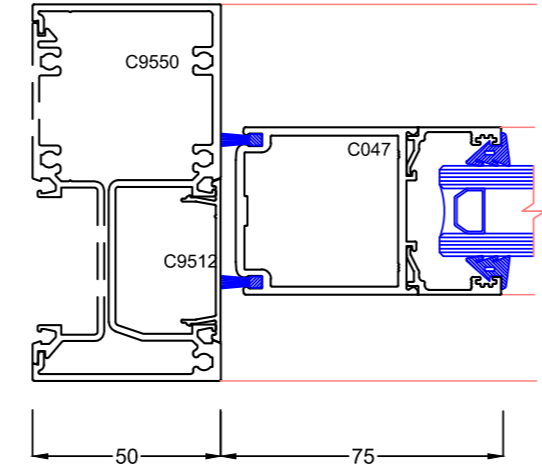
Max™ 100 x 50mm FRONT DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100FDG - 17
Pivot Doors



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



Left Hand Pivot Door

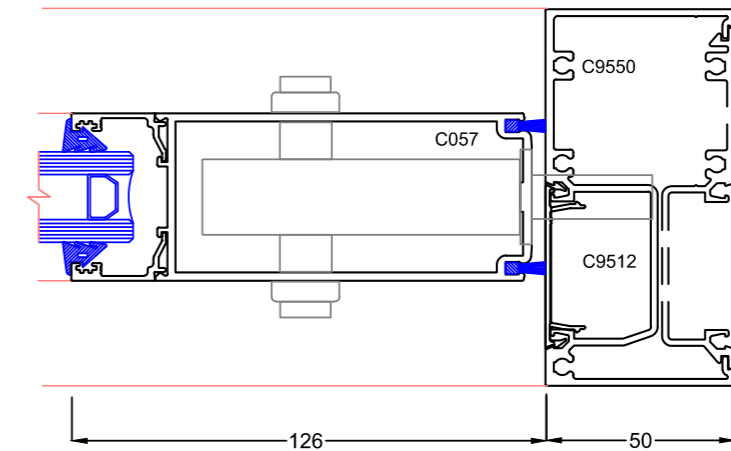
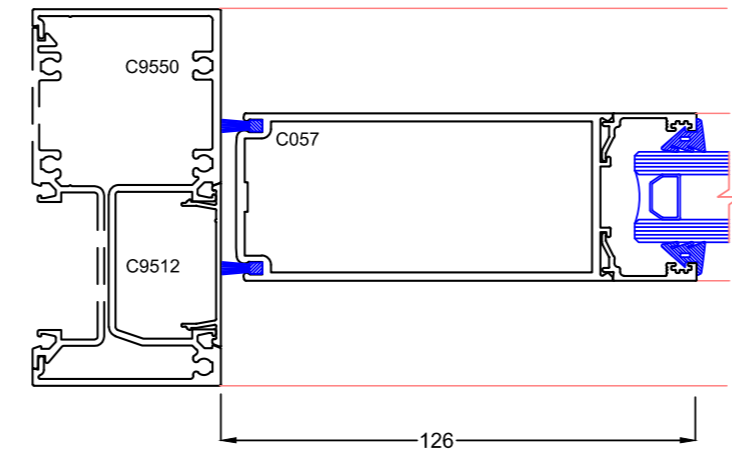


Note:
Pivot door frames are better manufactured from Centre Glaze framing where the flush filler is centralised on the frame.

Alternatively using a plain frame as a jamb or 1/2 mullion will be more aesthetically pleasing provided the frame does not have a highlight

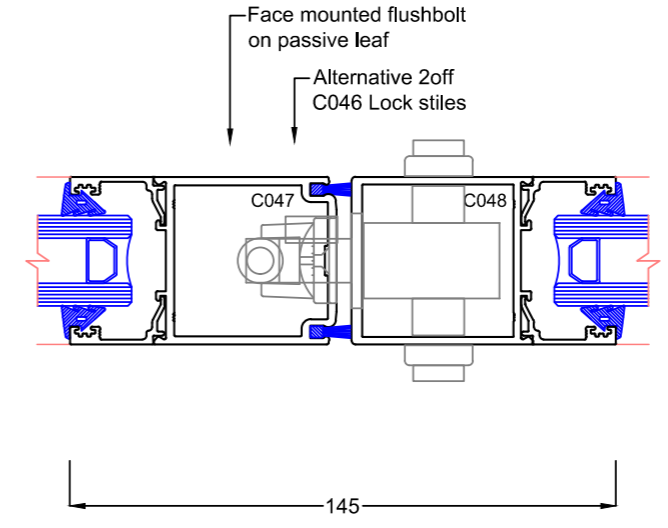
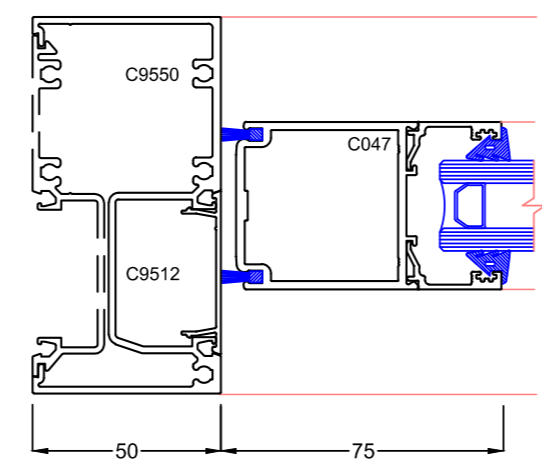
Left Hand Pivot Door with Wide Stiles

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

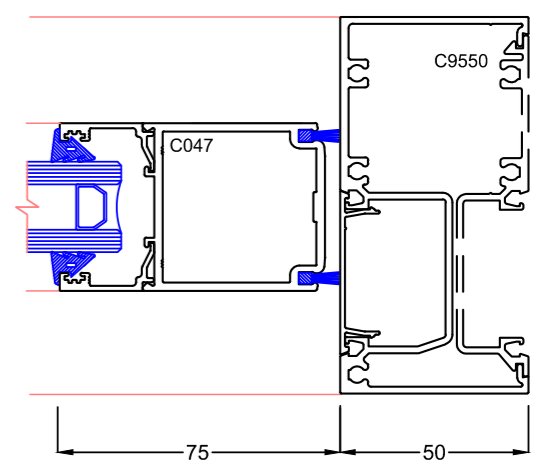


Pair of Pivot Doors with Plain & Pivot Stiles

Best suited to commercial public access applications where doors are not exposed & weathering is not a priority as these doors cannot use a weathered threshold.



Face mounted flushbolt on passive leaf
Alternative 2off C046 Lock stiles

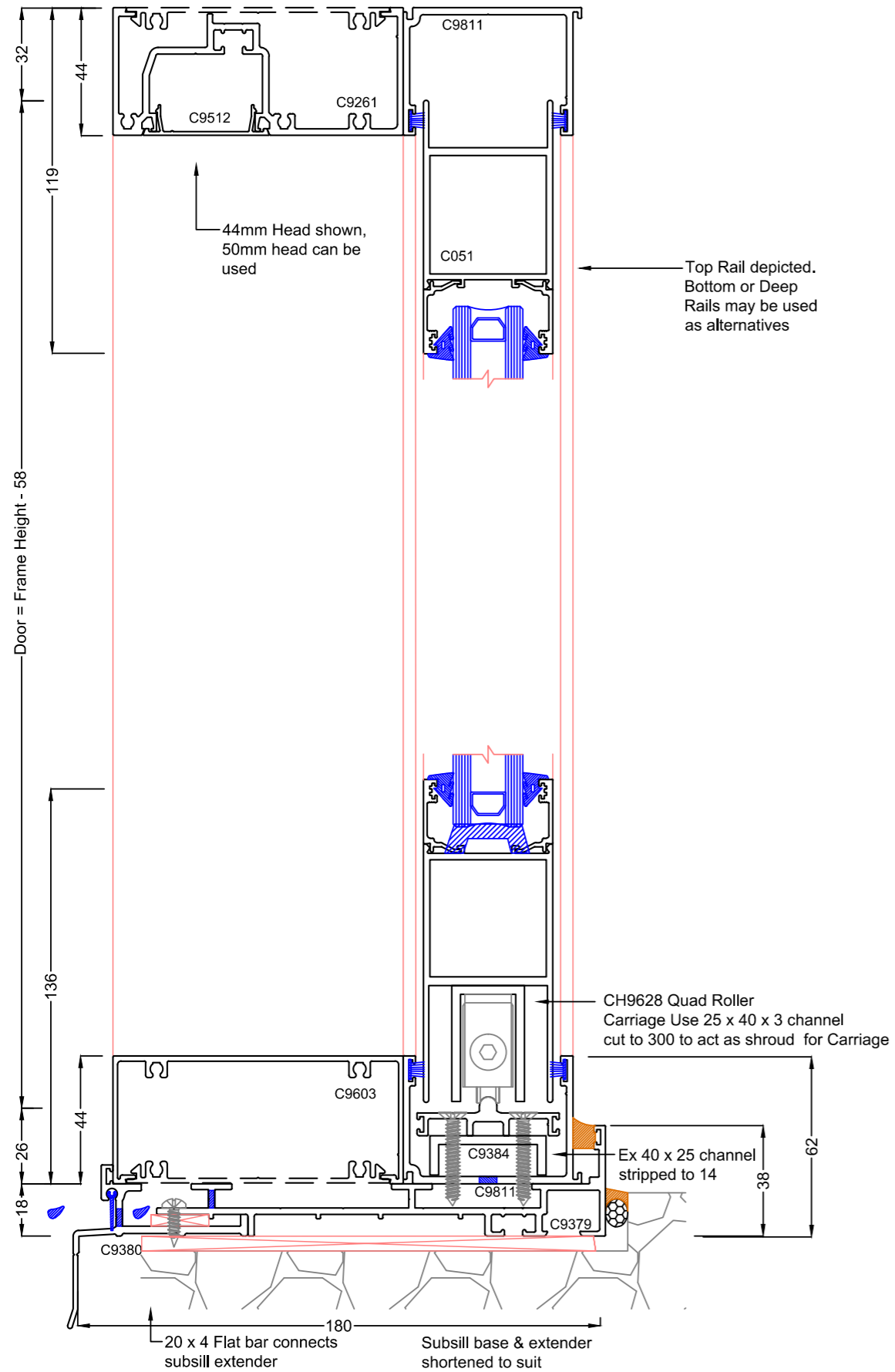


Max™ 100 x 50mm FRONT DOUBLE GLAZED - 34mm Pocket

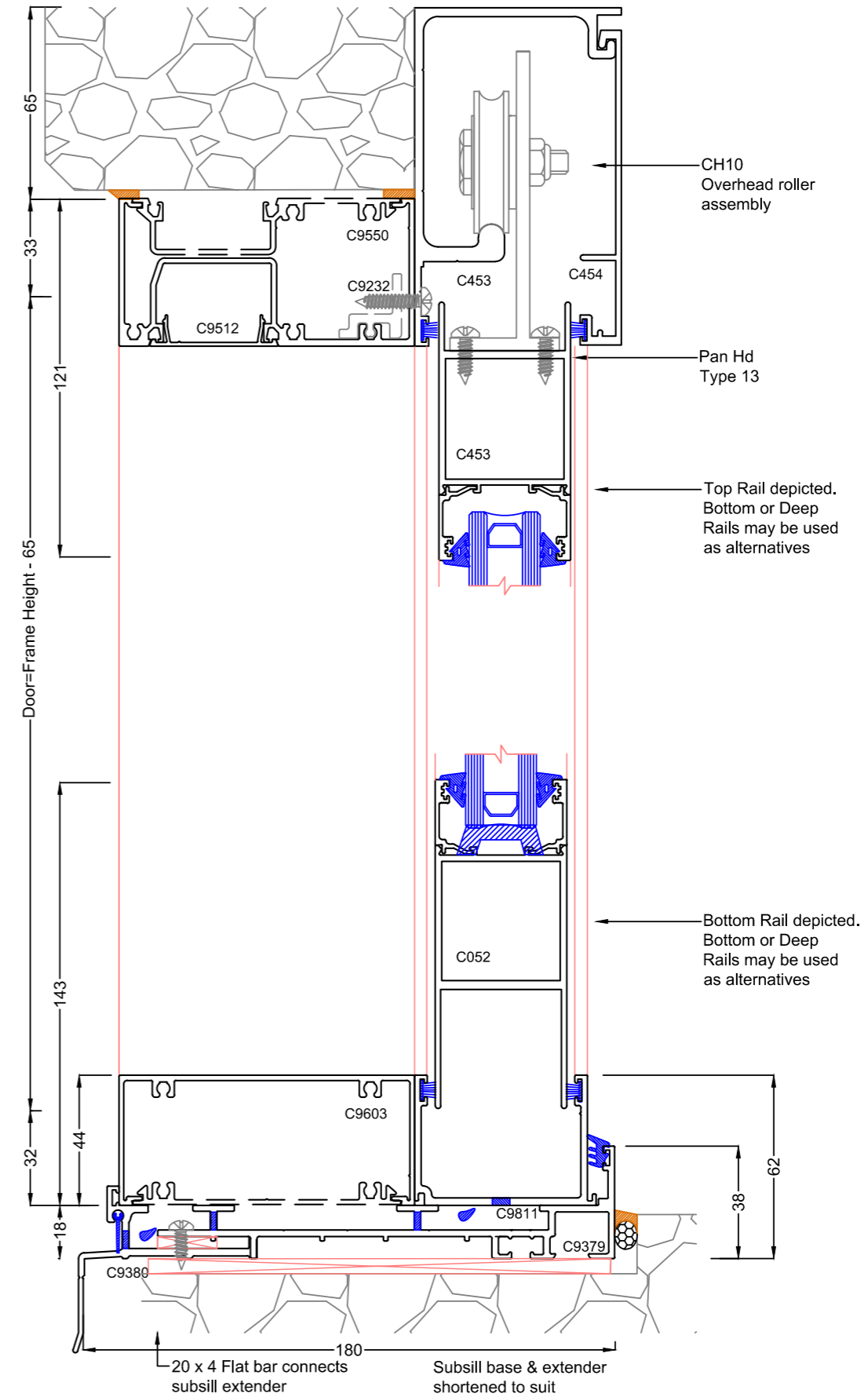
Max Framing Systems: M100FDG - 18

Sliding Bottom Track - 300kg panel weight

Using 44mm Head & Sill

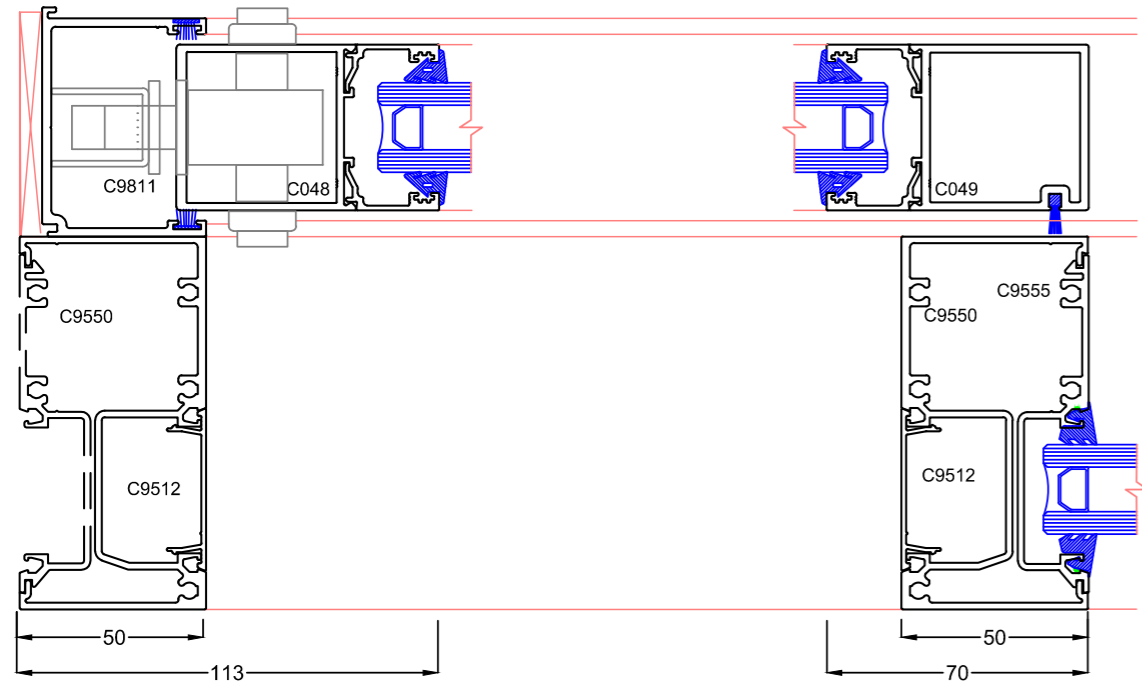


Overhead Sliding Track - 250kg Panel Weight



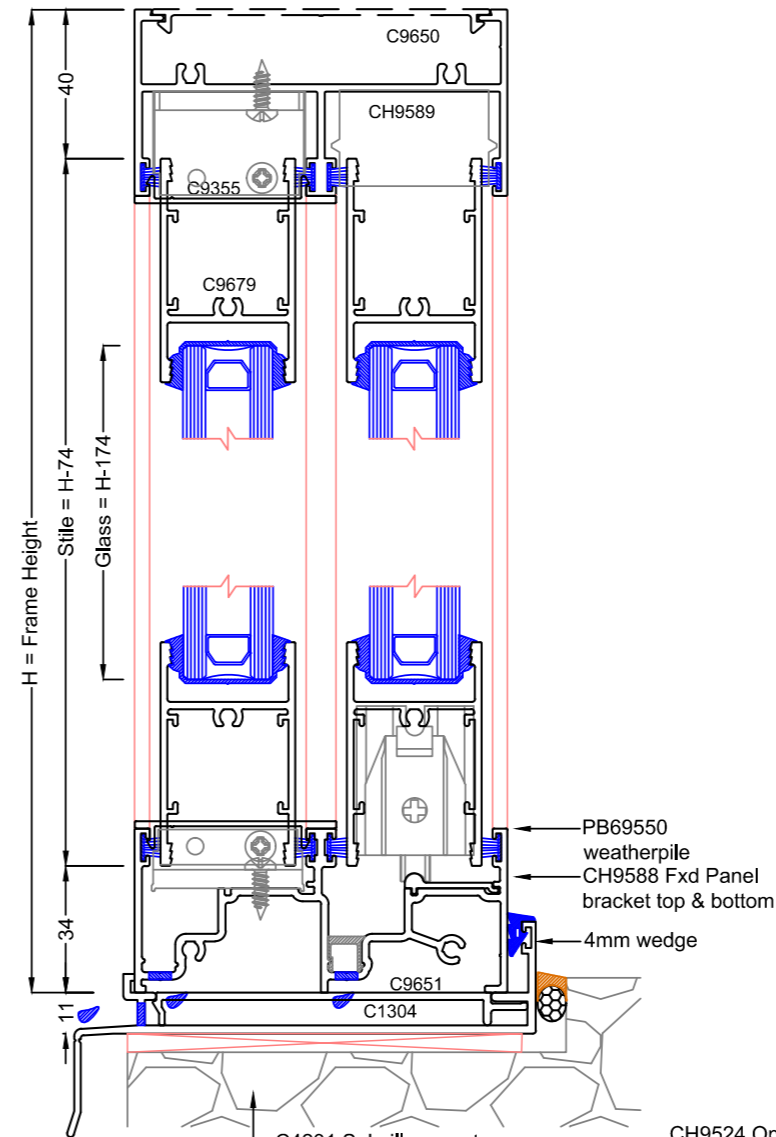
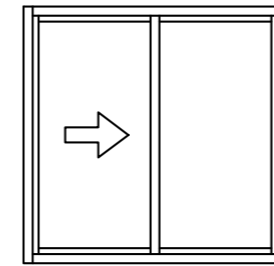
MAX™ 100 Front Double Glazed

Max™ 100 x 50mm FRONT DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100FDG - 19
Sliding Door with Closing Jamb in 100 Fixed framing



Max Sliding Door detail integrating with 100 Front Glaze

When using conventional C9650 Jamb
(Detail A)



C4231 Subsill support.
Used in 100mm pieces to support heavy door

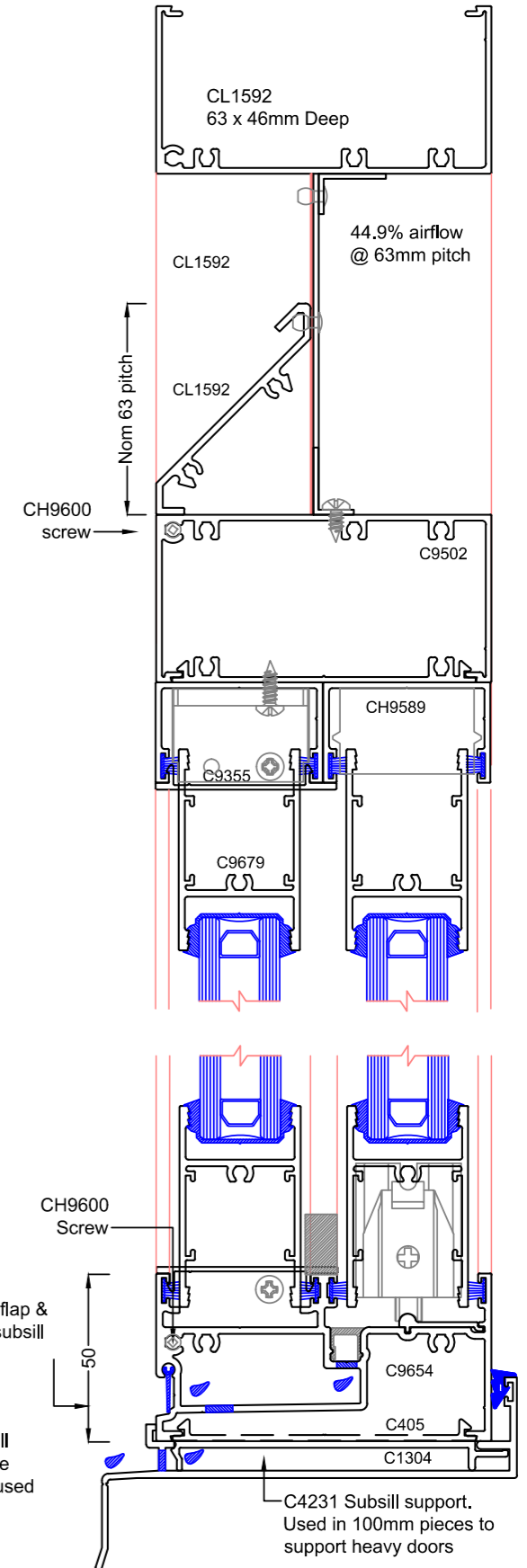
CH9524 Optional flap & front drainage if subsill not required

Alternative 50mm Profile Sill C9654

Designed to integrate with 100 & 150 Front Glaze, Head & Sill sections have front screw locations to couple with Front Glaze Jamb & mullion extrusions, specifically where highlights are used, thus pocketed jambs / mullions are continuous.

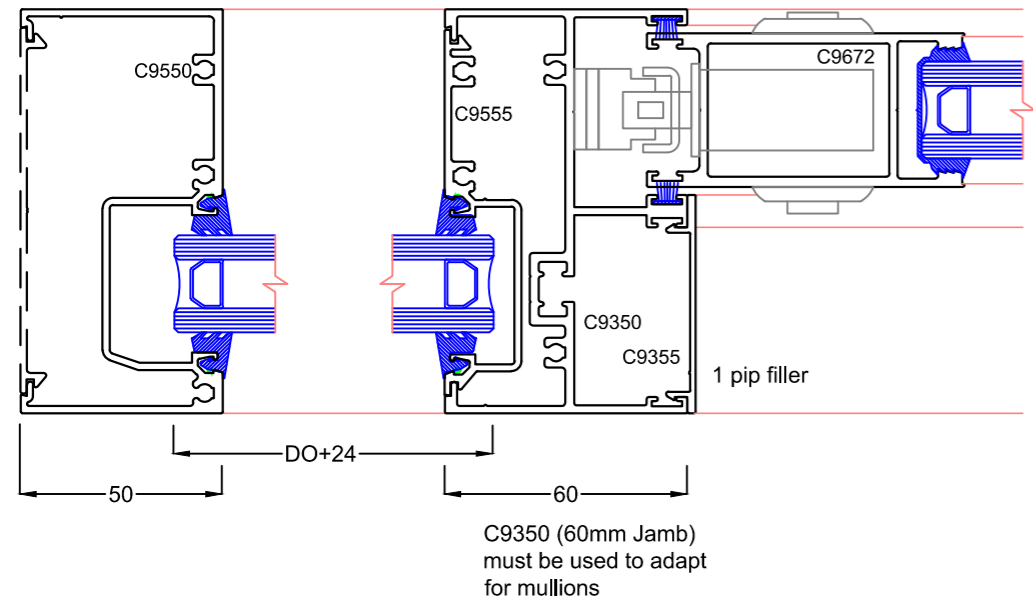
Transom Door detail

with 50mm Sill & transom to suit Louvres
(Detail B)

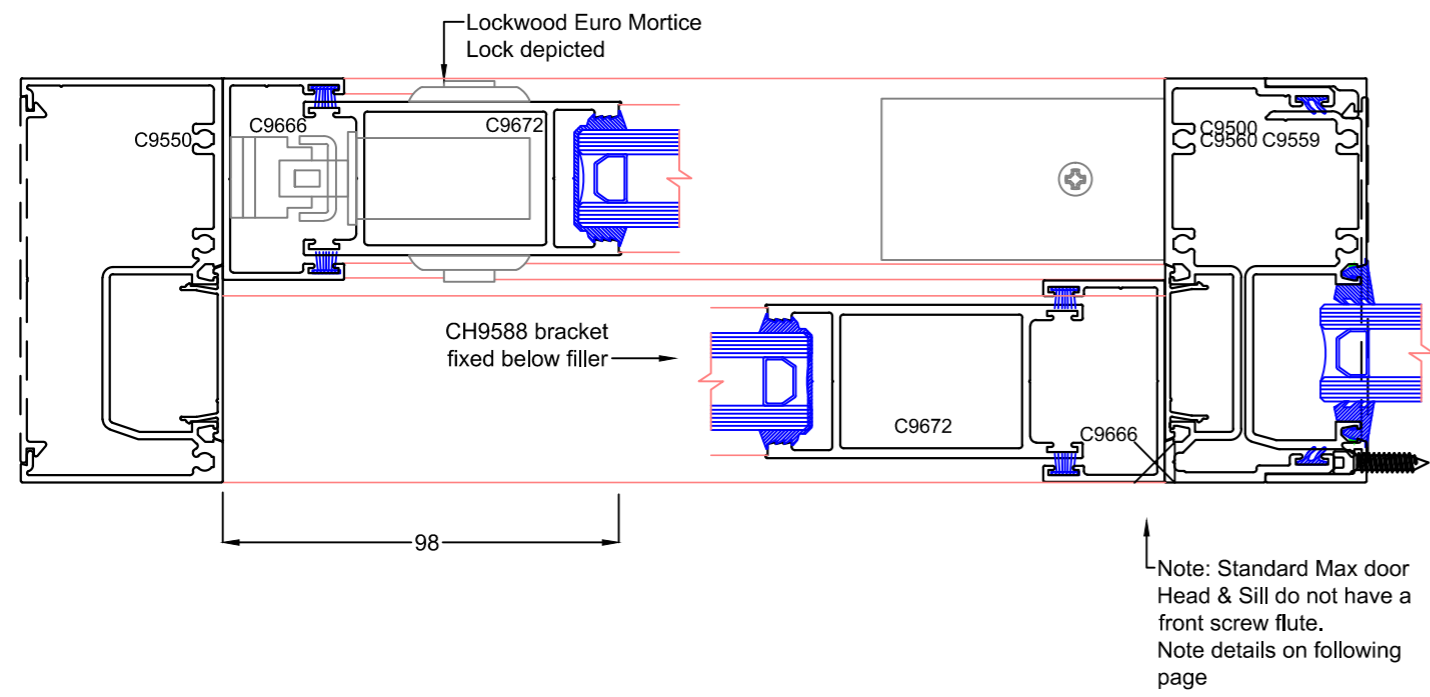


C4231 Subsill support.
Used in 100mm pieces to support heavy doors

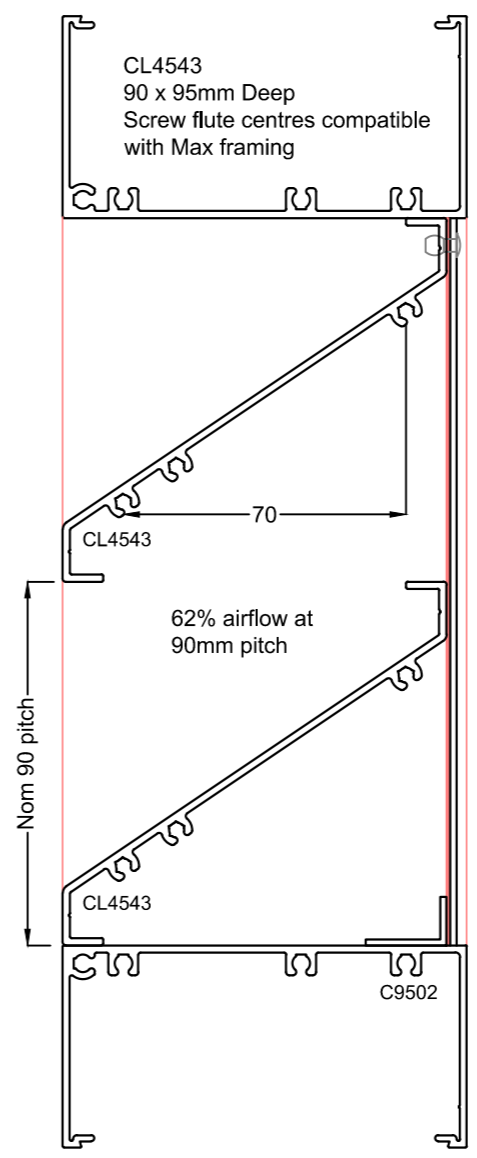
Max™ 100 x 50mm FRONT DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100FDG -20
Max Sliding Door with Closing Jamb in 100 Fixed framing (no highlight)



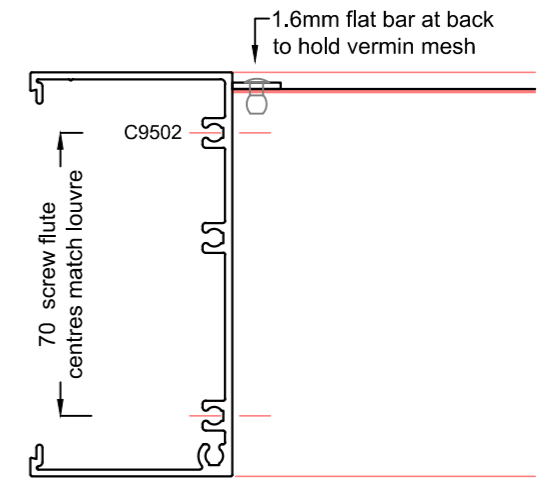
Max Sliding Door with Closing Jamb in 100 Fixed framing with highlight



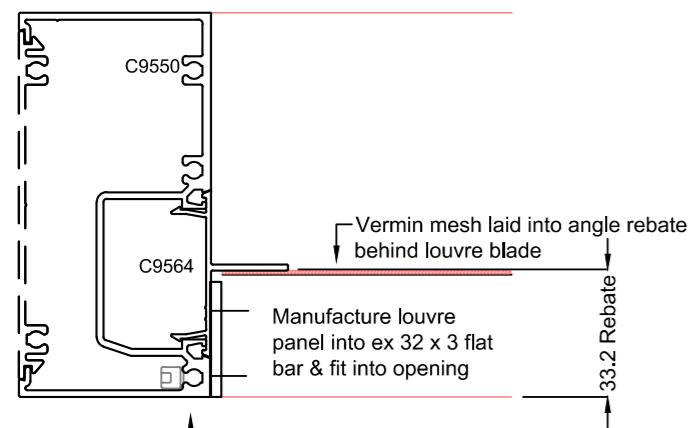
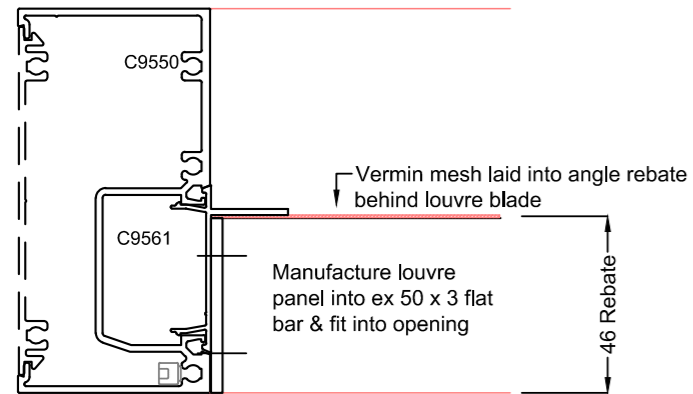
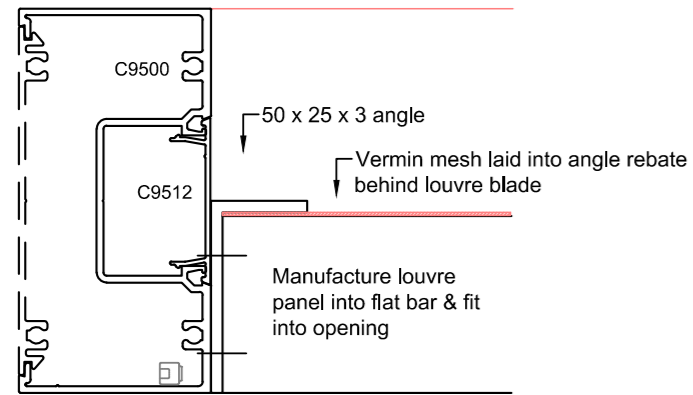
Louvres



Jamb Detail

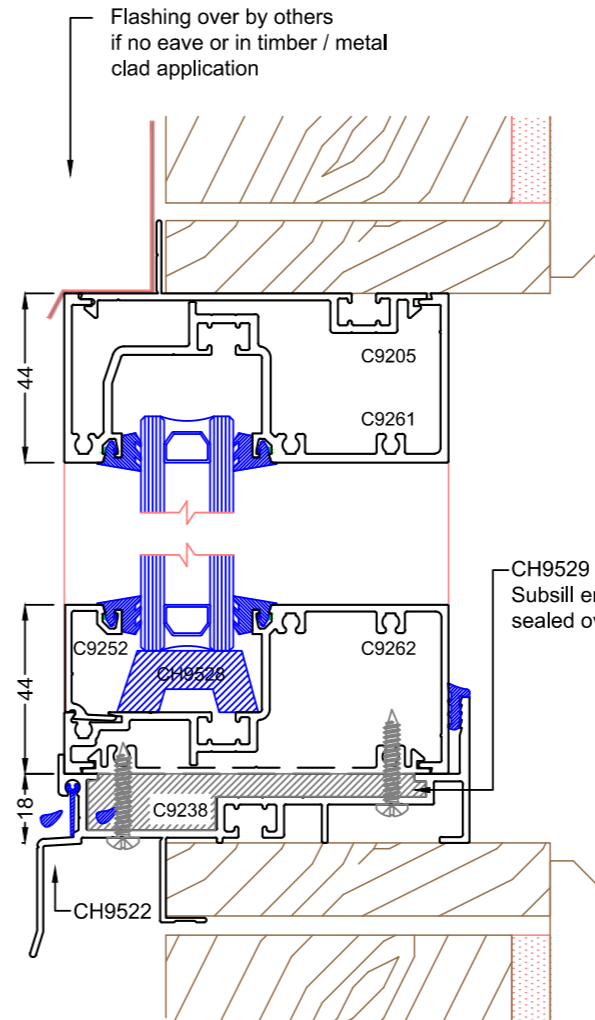


Max™ 100 x 50mm FRONT DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100FDG - 21
Jamb Detail

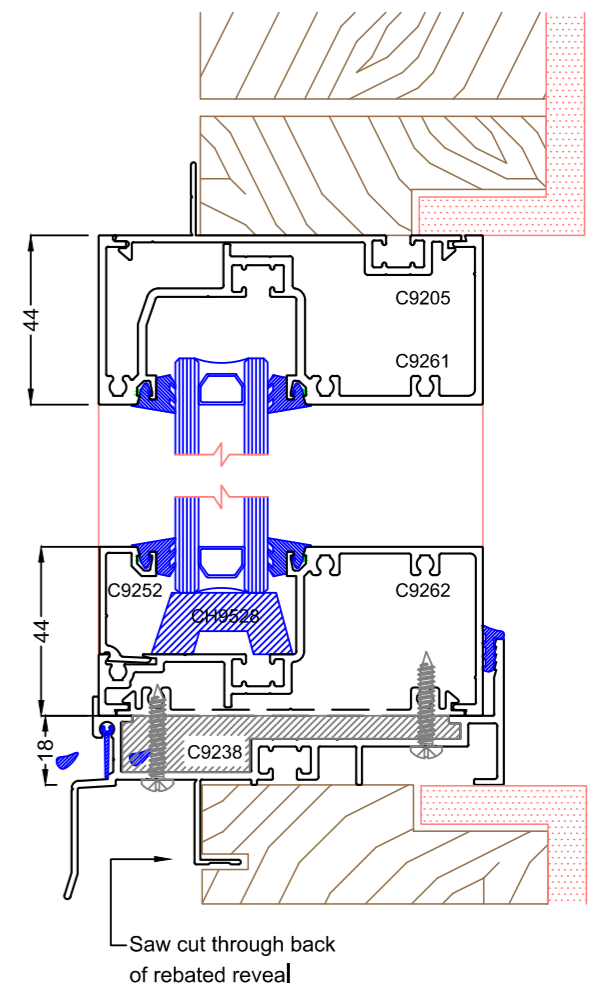


CH9600
Square drive frame assembly screw,
fixed through front screw flute

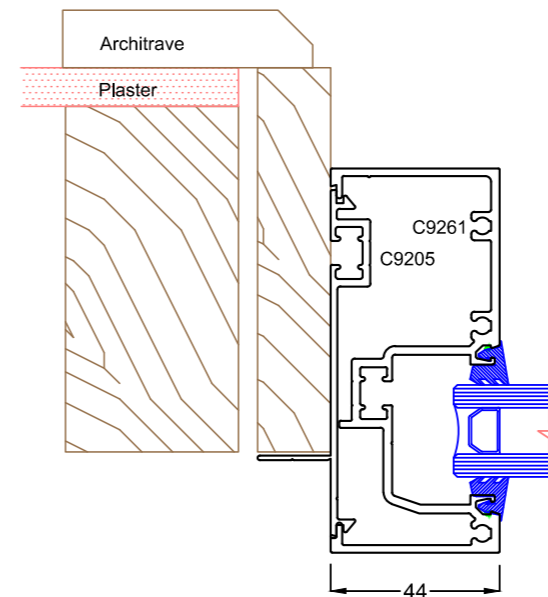
Nailing Fin Subsill & Filler with timber reveals



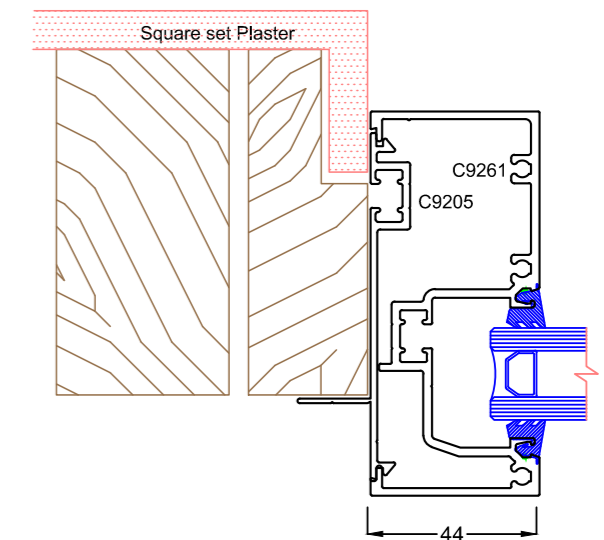
Nailing Fin Subsill & Filler with rebated reveals



Jamb detail showing conventional architrave



Jamb detail showing rebated reveal & square set plaster



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

Max Framing Systems: M100FDG - 22

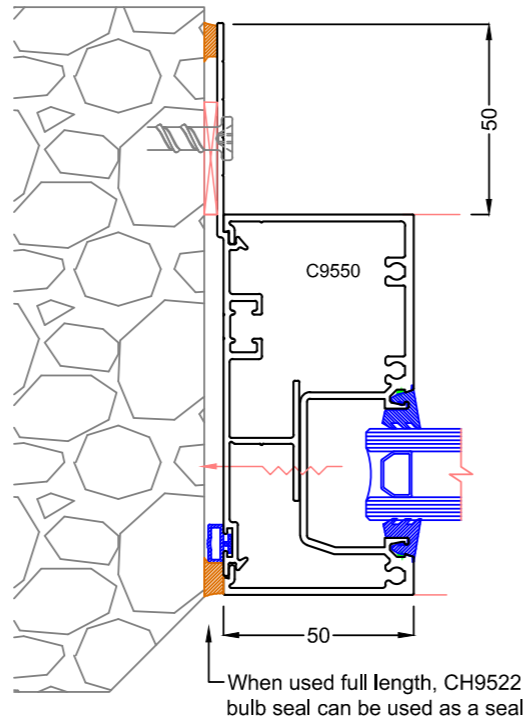
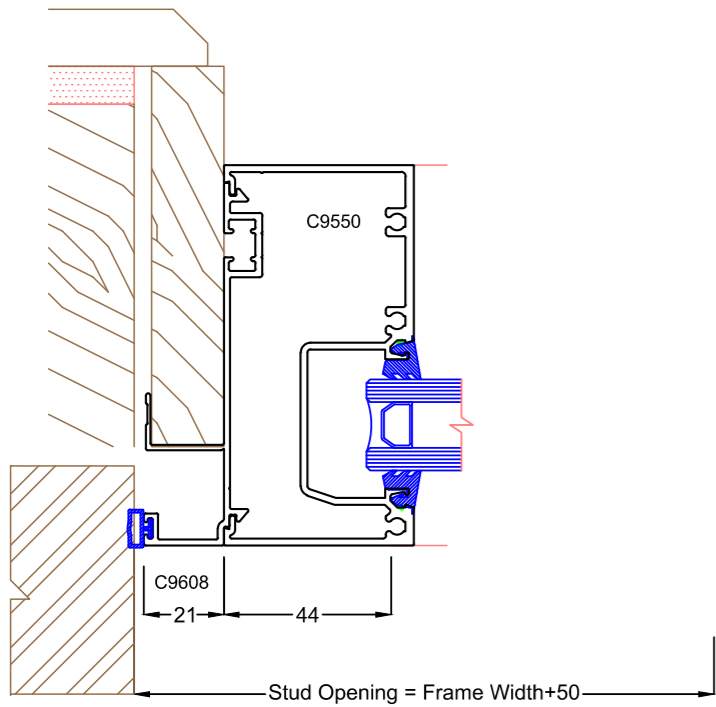
C9608 In-Line reveal adaptor

Replacing existing timber windows, or in new construction, fitting into a daylight opening (like cavity brick or precast, when revealing 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. Using a plain 25mm jamb, it can reduce the sight line.

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.

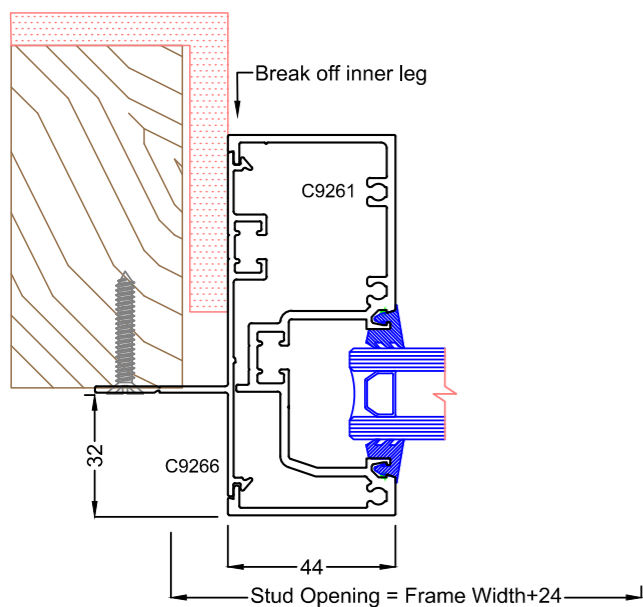
Standard Jamb detail in reveals



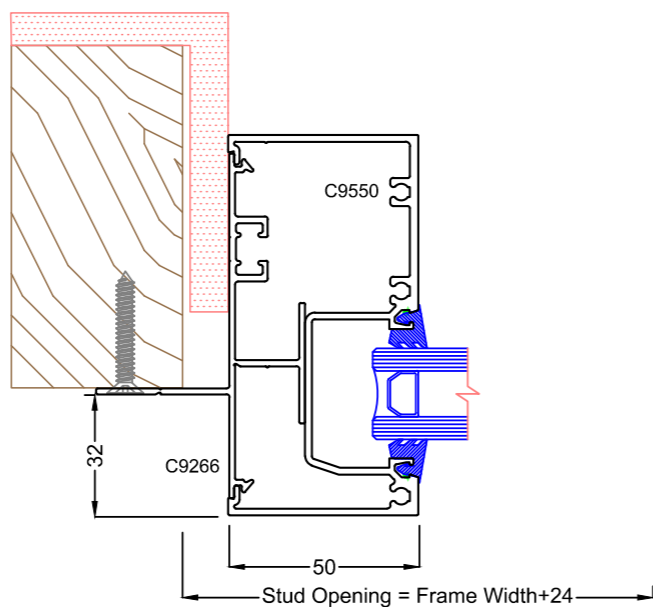
C9266 Build In Adaptor

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.

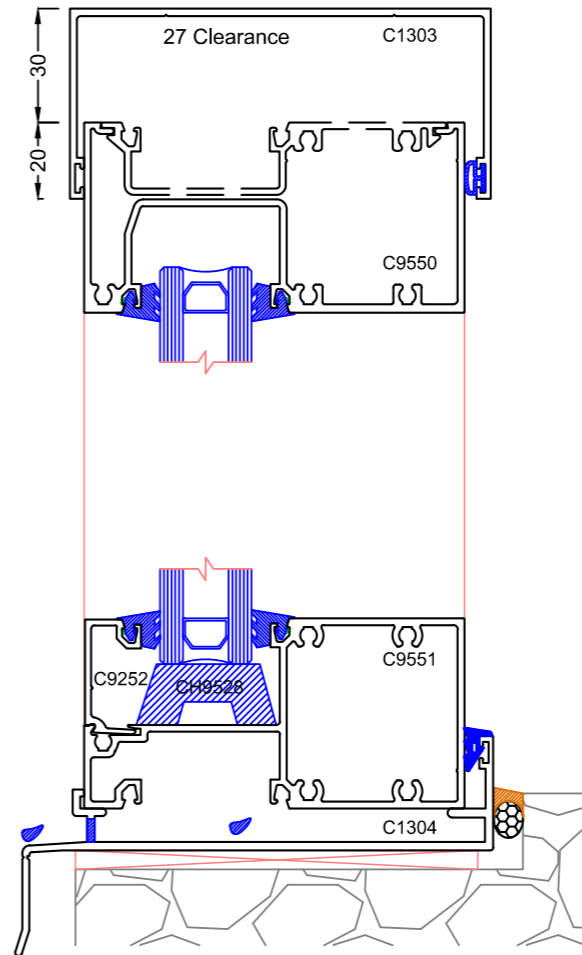
44mm Jamb detail with build in adaptor



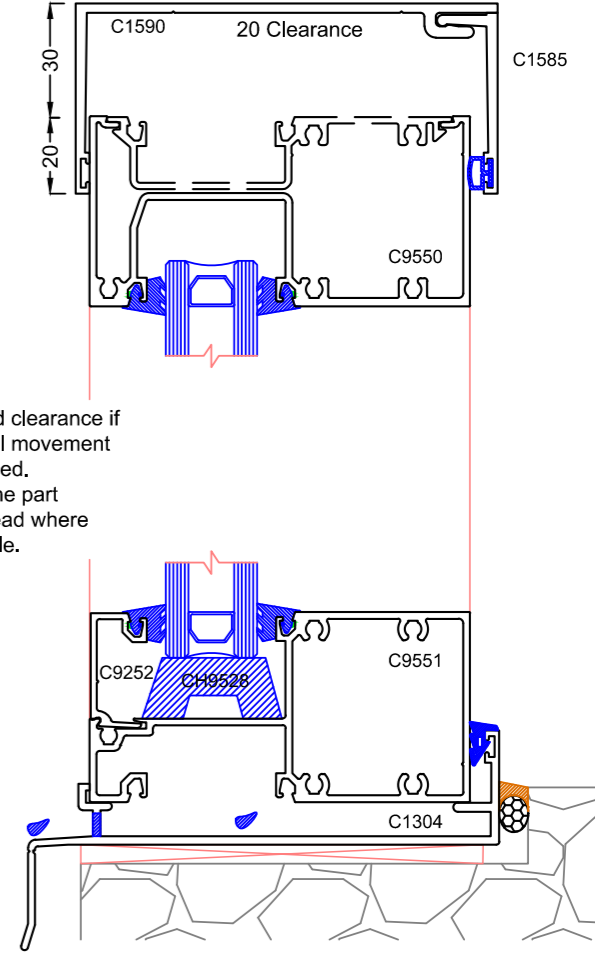
50mm Jamb detail with build in adaptor



One Piece Sub Head (50 deep)



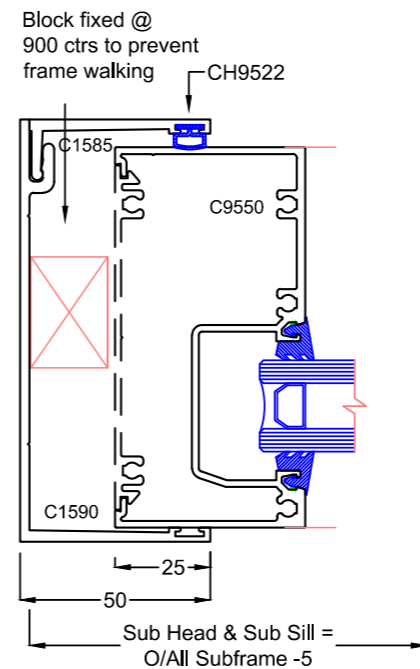
Two Part Sub Head (50 deep)



Note:
Limited clearance if vertical movement expected. Use one part sub head where possible.

Two Part Sub Jamb

Often used used in conjunction with a 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.

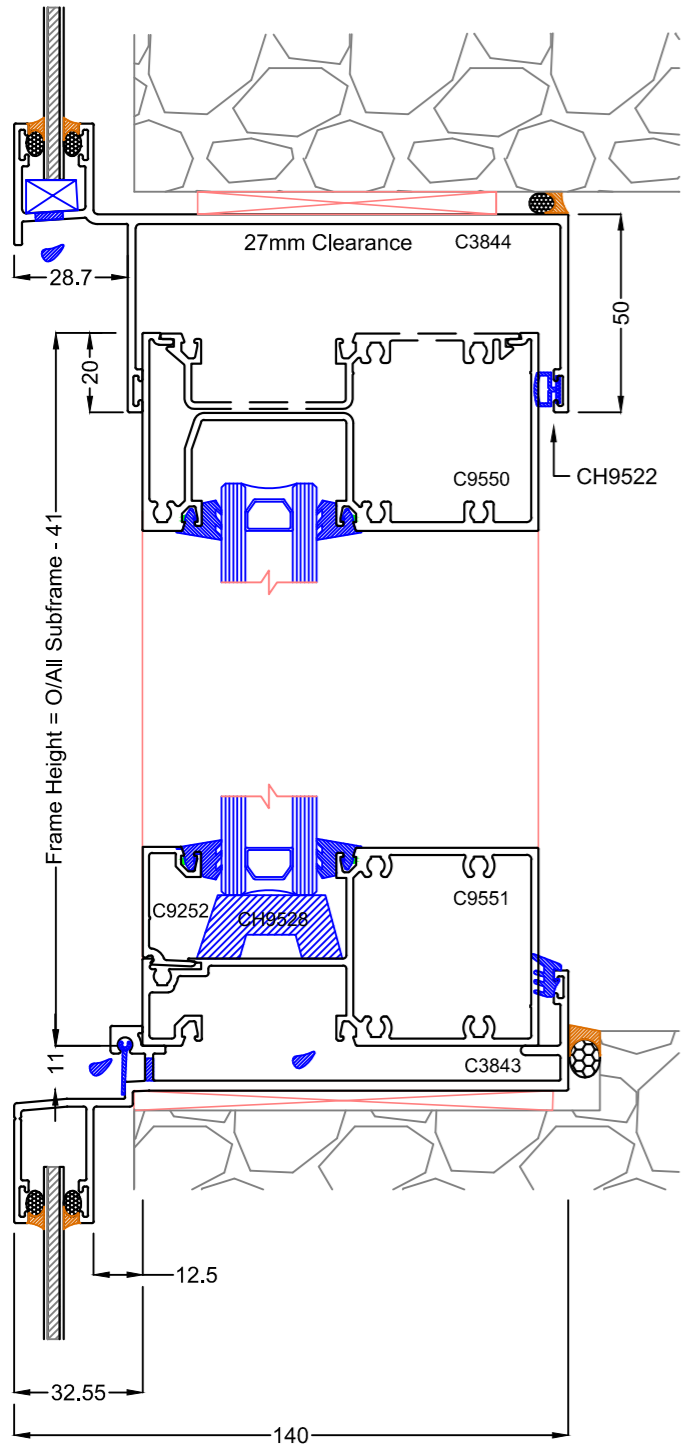
Sub frames likewise can be used in this situation, but are especially needed in ventilated cavities (like cavity brick) where there is airflow that may allow water to be driven over subsill stop ends, or it is difficult to contain water within a window opening.

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

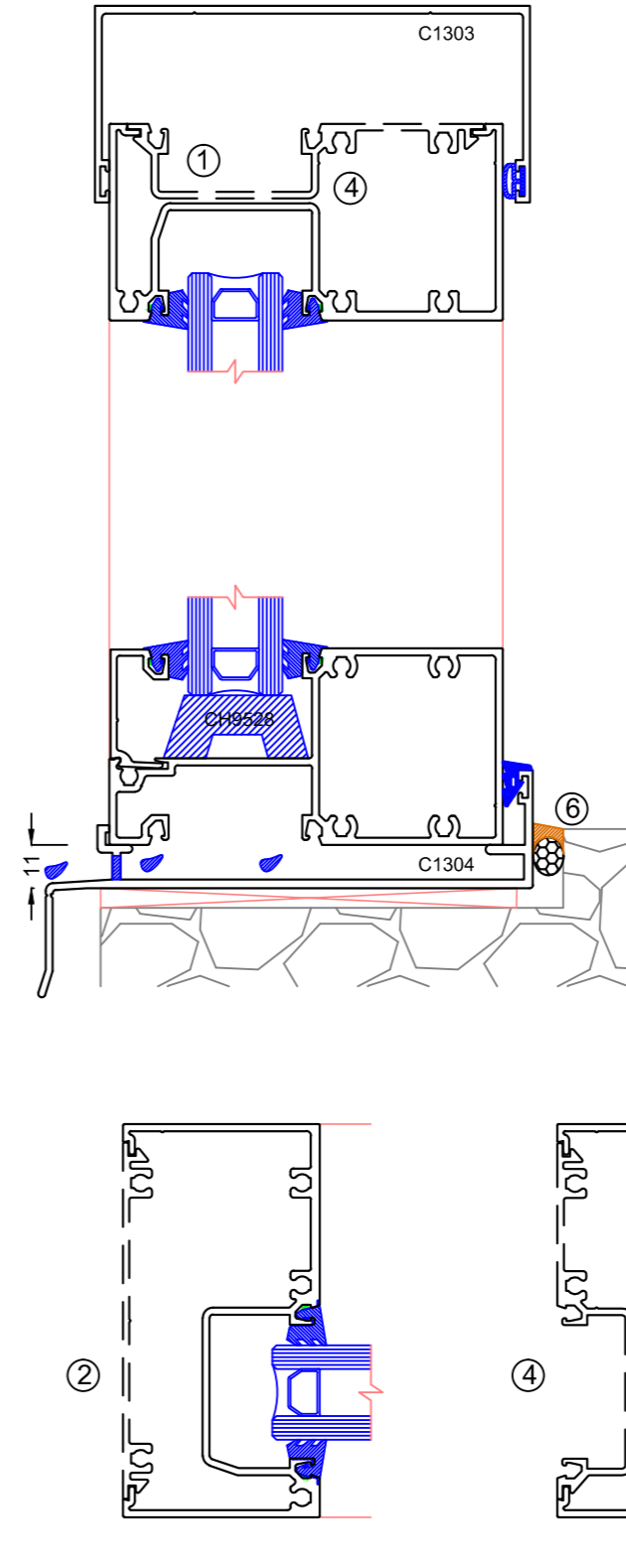
Max™ 100 x 50mm FRONT DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100FDG - 23

Spandrel Sub Head & Subsill

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



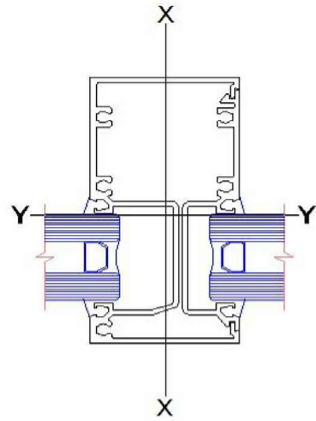
Principles Adopted in General Arrangement Drawings



- 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 with continuous fillers to maintain frame tolerances to allow continuous caulk lines.
- 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.

MAX™ 100 x 50mm FRONT DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100FDG - 24
Mullion Structural Tables

Mullion Combination: Max 100x50 STD FDG C9550, C9555



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

Note the following:

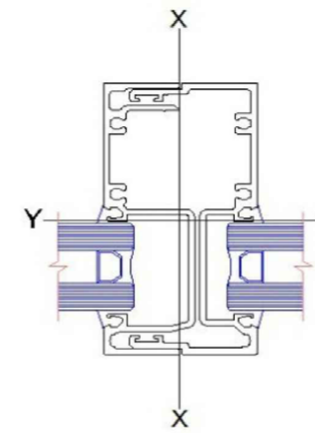
- Maximum Stress = 110Mpa
- Serviceability based on Span/250
- Italics indicate where Serviceability is limited by Ultimate.

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)							
		800	1000	1200	1400	1600	1800	2000	2200
2200	S	2625	2166	1875	1683	1556	1474	1428	1414
	U	3737	3069	2644	2360	2169	2044	1972	1949
2400	S	2005	1646	1416	1261	1154	1081	1034	1007
	U	3101	2536	2172	1925	1753	1634	1554	1508
2600	S	1566	1281	1096	971	882	820	776	747
	U	2614	2131	1817	1602	1449	1339	1262	1209
2800	S	1247	1017	867	764	691	637		
	U	2233	1815	1543	1354	1219	1120		
3000	S	1010	821	698	613				
	U	1929	1565	1326	1161				
3200	S	829	673						
	U	1683	1363						
3400	S	689							
	U	1481							
Mullion Centres (mm)		800	1000	1200	1400	1600	1800	2000	2200

Mullion Structural Tables

Mullion Combination: Max 100x50 Split FDG C9559, C9560



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

Note the following:

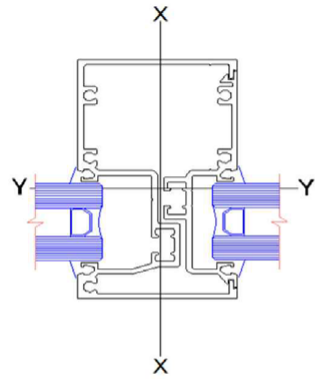
- Maximum Stress = 110Mpa
- Serviceability based on Span/250
- Italics indicate where Serviceability is limited by Ultimate.

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)							
		800	1000	1200	1400	1600	1800	2000	2200
2200	S	3667	3026	2620	2352	2174	2059	1996	1975
	U	5191	4263	3672	3278	3012	2839	2740	2707
2400	S	2801	2299	1978	1762	1613	1511	1444	1407
	U	4301	3517	3012	2670	2431	2266	2156	2092
2600	S	2188	1789	1532	1356	1233	1145	1084	1043
	U	3621	2951	2516	2218	2006	1855	1747	1675
2800	S	1743	1420	1211	1068	965	890	836	798
	U	3089	2510	2134	1873	1686	1549	1448	1376
3000	S	1411	1147	975	856	771	707	661	626
	U	2665	2161	1832	1603	1437	1314	1222	1153
3200	S	1158	940	797	698	626			
	U	2321	1880	1590	1387	1240			
3400	S	963	780	660					
	U	2040	1649	1392					
3600	S	809	655						
	U	1805	1458						
3800	S	687							
	U	1609							
Mullion Centres (mm)		800	1000	1200	1400	1600	1800	2000	2200

Max™ 100 x 50mm FRONT DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100FDG - 25
Mullion Structural Tables

Mullion Combination: Max 100x60 STD FDG C9250, C9255



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

Note the following:

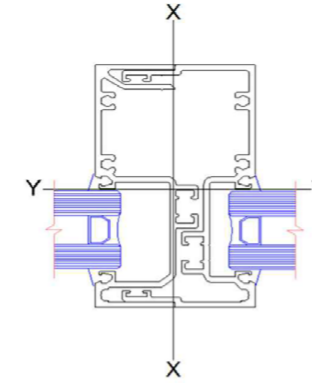
- Maximum Stress = 110Mpa
- Serviceability based on Span/250
- Italics indicate where Serviceability is limited by Ultimate.

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)							
		800	1000	1200	1400	1600	1800	2000	2200
2200	S	3321	2657	2301	2065	1909	1809	1752	1734
	U	4485	3683	3173	2832	2602	2453	2367	2338
2400	S	2459	2019	1737	1547	1416	1327	1268	1235
	U	3725	3046	2609	2312	2106	1962	1867	1812
2600	S	1921	1571	1345	1191	1082	1005	952	916
	U	3144	2562	2185	1926	1742	1610	1517	1454
2800	S	1530	1247	1064	937	847	782	735	107
	U	2688	2185	1857	1630	1467	1348	1260	1197
3000	S	1239	10007	856	752	677	621		
	U	2324	1885	1598	1398	1254	1146		
3200	S	1017	825	700	613				
	U	2030	1643	1390	1213				
3400	S	846	685						
	U	1787	1445						
3600	S	711							
	U	1585							
3800	S	603							
	U	1416							
Mullion Centres (mm)		800	1000	1200	1400	1600	1800	2000	2200

Mullion Structural Tables

Mullion Combination: Max 100x60 Split FDG C9259, C9260



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 Ultimate.

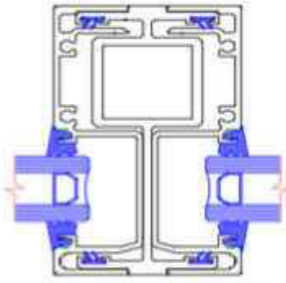
This chart is to be used as a guide only. Where Serviceability exceeds 3kPa or for more information, contact Capral.

Frame Height (mm)		Design Wind Pressure (Pa)							
		800	1000	1200	1400	1600	1800	2000	2200
2200	S	4208	3472	3006	2688	2494	2363	2290	2266
	U	5984	4914	4233	3779	3472	3272	3158	3120
2400	S	3213	2638	2269	2021	1850	1733	1657	1614
	U	4964	4059	3476	3081	2806	2615	2488	2415
2600	S	2510	2053	1757	1556	1414	1314	1243	1197
	U	4184	3409	2908	2563	2318	2143	2019	1935
2800	S	1999	1630	1390	1225	1107	1022	960	916
	U	3573	2904	2468	2167	1950	1792	1675	1591
3000	S	1619	1316	1119	983	884	812	758	718
	U	3086	2503	2122	1856	1664	1522	1415	1335
3200	S	1329	1079	915	801	718	656	610	
	U	2691	2179	1843	1609	1437	1309	1212	
3400	S	1105	895	758	662				
	U	2367	1914	1616	1407				
3600	S	929	751	635					
	U	2098	1694	1428					
3800	S	788	637						
	U	1871	1510						
4000	S	674							
	U	1679							
Mullion Centres (mm)		800	1000	1200	1400	1600	1800	2000	2200

Max™ 100 x 50mm FRONT DOUBLE GLAZED - 34mm Pocket
Max Framing Systems: M100FDG - 26
Mullion Structural Tables

Mullion Structural Table

Mullion Combination: Max 100 FDG Coupled Mullion (C9559,C9549)



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 Ultimate.

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)								
	S	U	S	U	S	U	S	U	S
2200	S	6165	5087	4404	3954	3654	3462	3355	3320
	U	8290	6809	5865	5235	4811	4534	4375	4323
2400	S	4708	3865	3325	2961	2711	2540	2428	2365
	U	6872	5619	4813	4265	3884	3620	344-4	3343
2600	S	3678	3007	2575	2280	2072	1925	1822	1754
	U	5787	4716	4022	3545	3207	2965	2793	2677
2800	S	2929	2388	2037	1795	1622	1497	1406	1342
	U	4939	4014	3412	2995	2696	2476	2316	2200
3000	S	2371	1928	1640	1440	1295	1189	1110	1052
	U	4263	3457	2931	2564	2299	2102	1954	1844
3200	S	1947	1580	1340	1173	1052	962	894	842
	U	3715	3008	2544	2220	1984	1807	1673	1570
3400	S	1619	1311	1110	969	867	790	731	686
	U	3265	2640	2229	1941	1730	1571	1449	1354
3600	S	1360	1101	930	810	723	657	606	
	U	2891	2335	1969	1711	1522	1379	1268	
3800	S	1154	933	787	685	609			
	U	2577	2079	1751	1520	1349			
4000	S	988	798	672					
	U	2311	1863	1567					
4200	S	852	687						
	U	2083	1678						
4400	S	740							
	U	1887							
4600	S	647							
	U	1717							
4800	S								
	U								
5000	S								
	U								
Mullion Centres (mm)		800	1000	1200	1400	1600	1800	2000	2200

Mullion Structural Tables

Mullion Combination: Max 100FDG SM Blind Mullion



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 Ultimate.

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)								
	S	U	S	U	S	U	S	U	S
1800	S	1486	1246	1101	1014	967	952	952	952
	U	3594	2994	2627	2403	2279	2238	2238	2238
2000	S	1066	886	774	702	657	632	625	625
	U	2856	2359	2048	1846	1718	1646	1622	1622
2200	S	792	653						
	U	2324	1909						
2400	S	605							
	U	1928							
Mullion Centres (mm)		800	1000	1200	1400	1600	1800	2000	2200

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

Max Framing Systems: M100FDG - 27

Glazing Methodology

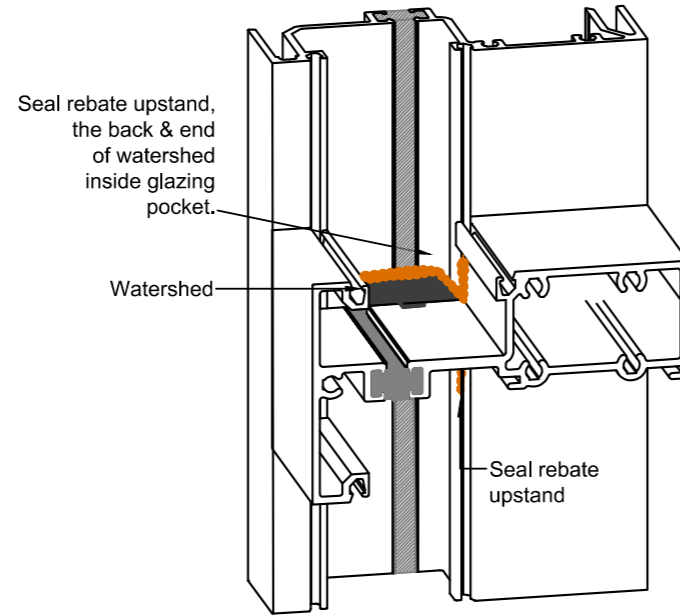
This system has been designed to self drain within the system via a patented watershed component in transoms, traditionally the area most prone to leakage in commercial systems.

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.

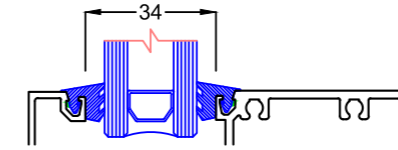
Wedges are colour coded according to thickness for ease of identification, refer the chart below.

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.



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
6mm wedge SANT
Red backing

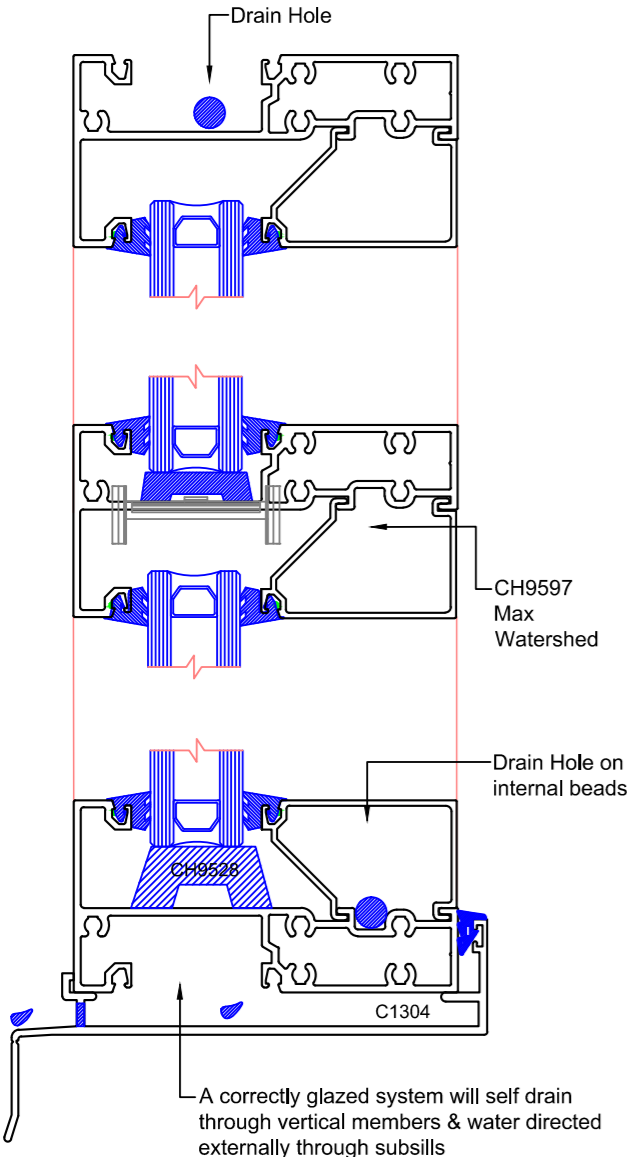
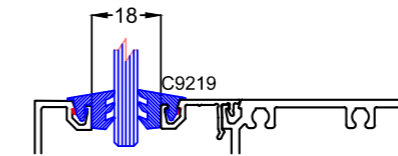


CH9509
7mm wedge SANT
Blue backing



CH9510
9mm wedge SANT
Purple backing

Note:
C9219 Spandrel adaptor achieves a 18mm pocket
C9810 Spandrel adaptor achieves a 12mm pocket



Preparing the Glazing Rebate:

- Ends of horizontal frame joints are end buttered prior to assembly.
- Fit the watershed device while assembling transoms
- Seal into the captive groove on the transom's vertical rebate. This is done on top & below the transom.
- 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.

	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
	3mm	C9810	CH9507	7mm	CH9507	5mm
	6mm	C9219	CH9506	5mm	CH9509	7mm
	8mm	C9219	CH9506	5mm	CH9507	5mm
	10mm	C9219	CH9503	3mm	CH9507	5mm