Max™ 182 STRUCTURAL GLAZED FRAMING & CURTAIN WALL - 40mm Rebate
Max Framing Systems: M182CW40 - 1

Max™ SG182 Structural Glazed - 40mm Rebate

FEATURES:

- 182mm Frame Depth
- Narrow 54mm face as a framing system
- Several Mullions combinations
- Dedicated stack joint
- Structural Glazed
- Integrates with Max 200 Front Glazed - 40mm pocket
- Accepts 32 - 34mm IGU's with 6.4 Backing tape
- Can incorporate single glazed spandrels
- External glazed
- Structural Glazed multi locking sash

FABRICATION:

- Easy Screw Flute Joinery Fabrication
- Complex machining of stack Head & Mullions as curtain wall
- Unitised panels

PRODUCT APPLICATIONS:

- Shopfront, Ribbon Windows or Punched Openings - see 200 Front Glaze
- Stack joint detail allows panels to stack beside, above & below

LIMITATION:

- External Glazed only
- Factory Glazed - not recommended for site glazing

TESTING:

- Tested to AS2047 & AS4284 (curtain wall)

NOTE:

- The use of 4 sided structural glazing requires great attention to detail in the glazing of frames. Ideally frames are factory glazed in a clean, controlled atmosphere & dust free environment
- Glazing methodology, glass cover & silicone bite should be referred to tape & silicone suppliers for suitability to the application

ALTERNATIVES:

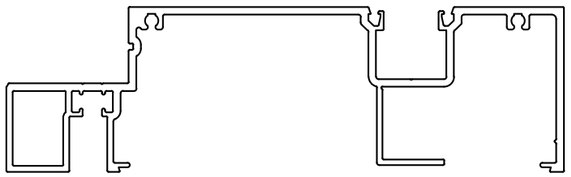
- Max 150mm Structural Glazed - 31mm pocket

MAX™ 182mm Structural Glazed & Curtain Wall

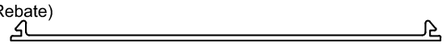
Max™182 STRUCTURAL GLAZED FRAMING & CURTAIN WALL - 40mm Rebate

Max Framing Systems: M182CW40 - 2

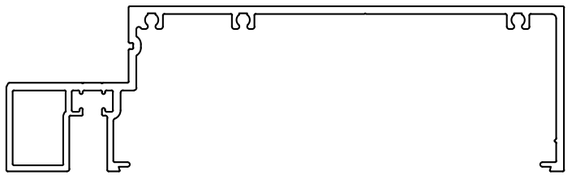
Extrusion ID



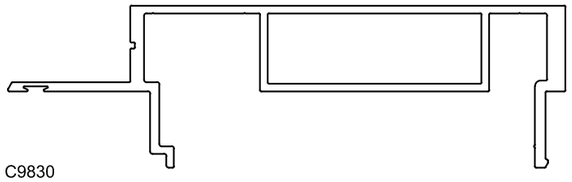
C9828
182 x 54 Rebated Pocketed Frame
(40 x 25mm Rebate)



C1756
150 Flat Filler

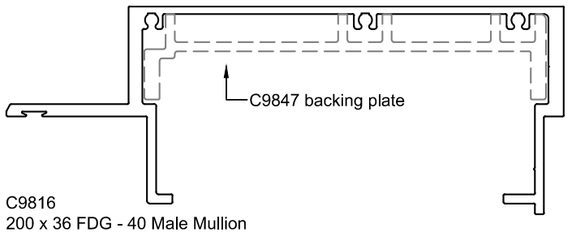


C9829
182 x 54 Rebated Plain Frame
(40 x 25mm Rebate)

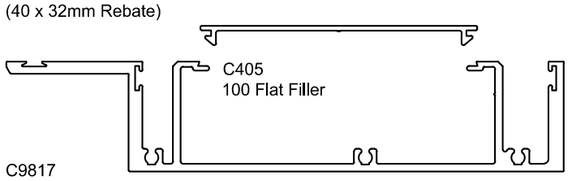


C9830
182 x 27 - 40 Male Mullion
(40 x 25mm Rebate)

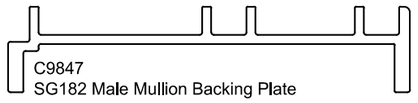
C9831
182 x 27 - 40 Female Frame
(40 x 25mm Rebate)



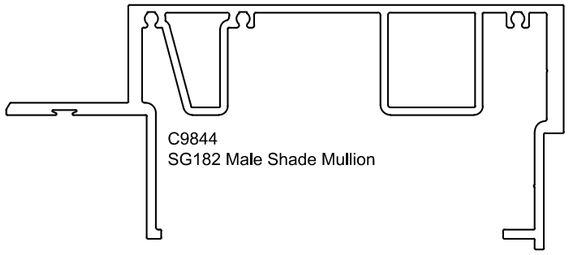
C9816
200 x 36 FDG - 40 Male Mullion
(40 x 32mm Rebate)



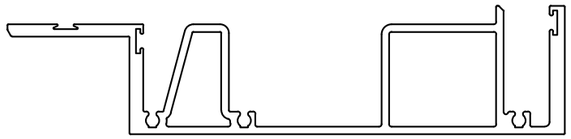
C9817
200 x 36 FDG - 40 Frame / Female Mullion
(40 x 32mm Rebate)



C9847
SG182 Male Mullion Backing Plate

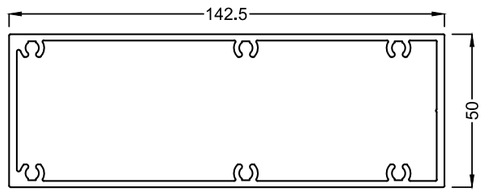


C9844
SG182 Male Shade Mullion

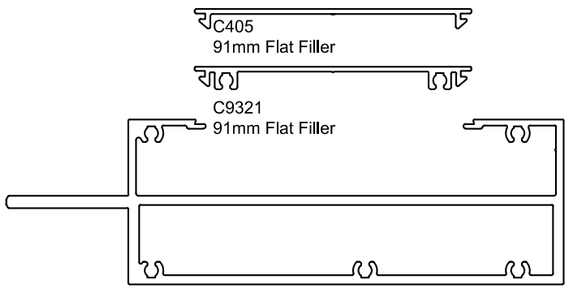


C9845
SG182 Female Shade Mullion

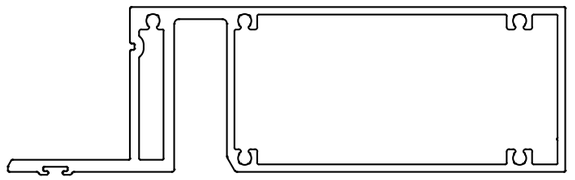
C9818
200 x 54 FDG - 40 Pocket Struct Transom
40 x 25 Rebate



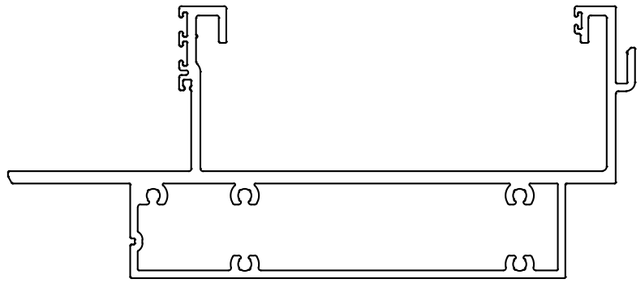
C9821
142.5 x 50 Blind Transom



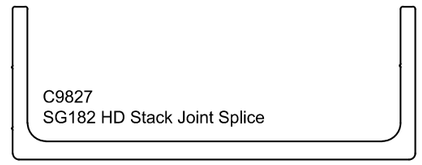
C9846
142.5 x 54 Bracketed Transom



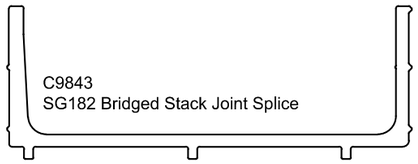
C9825
SG182 HD Struct Stack Sill



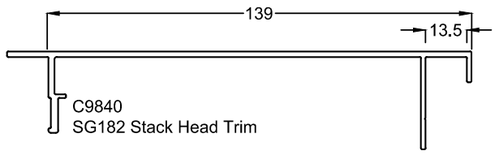
C9826
SG182 HD Struct Stack Head



C9827
SG182 HD Stack Joint Splice



C9843
SG182 Bridged Stack Joint Splice



C9840
SG182 Stack Head Trim

Max™182 STRUCTURAL GLAZED FRAMING & CURTAIN WALL - 40mm Rebate

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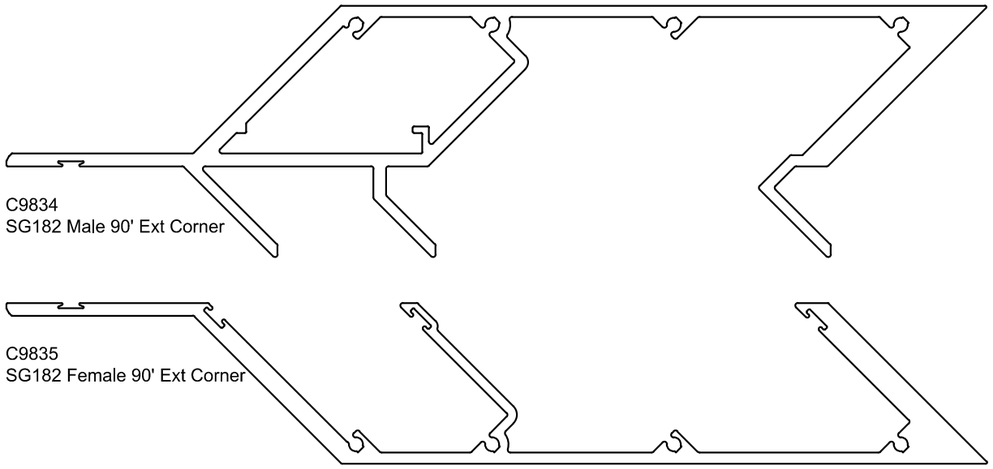
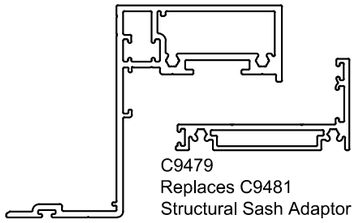
Extrusion ID



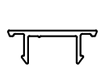
C9834
SG182 Male 90' Ext Corner

C9835
SG182 Female 90' Ext Corner

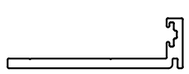


C9479
Replaces C9481
Structural Sash Adaptor

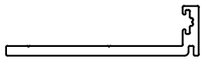
C9832
SG182 Structural Sash (25 rebate)



C9619
Flush Filler

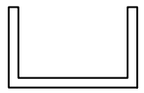


C9809
Door Stop suit 45mm doors

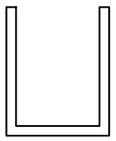


C9565
Door Stop suit 50mm doors

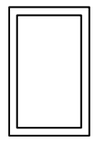
C4989
Plant on Door Stop



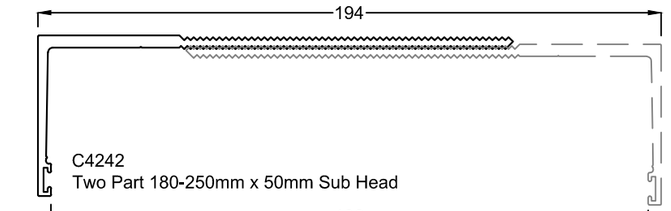
SCH0402530
40 x 25 x 3 Channel



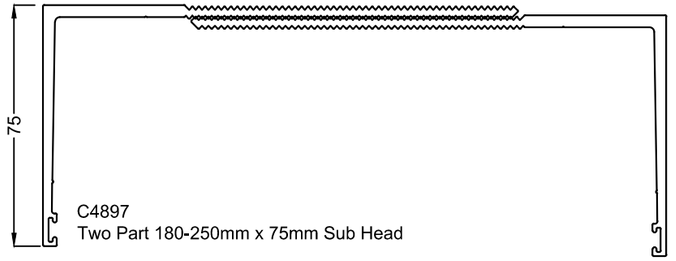
SCH0324030
32 x 40 x 3 Channel



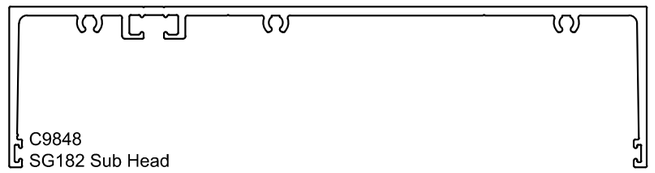
SRH0402525
40 x 25 x 3 Box



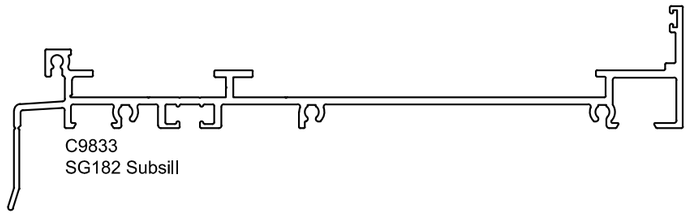
C4242
Two Part 180-250mm x 50mm Sub Head



C4897
Two Part 180-250mm x 75mm Sub Head



C9848
SG182 Sub Head



C9833
SG182 Subsill

Max™182 STRUCTURAL GLAZED FRAMING & CURTAIN WALL - 40mm Rebate

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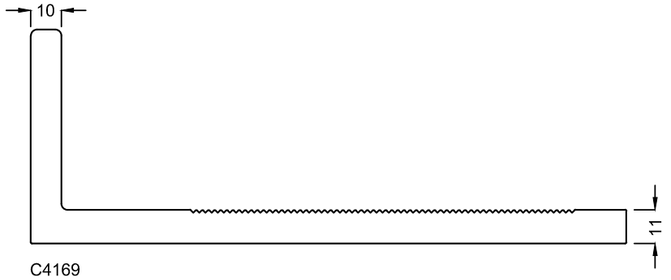
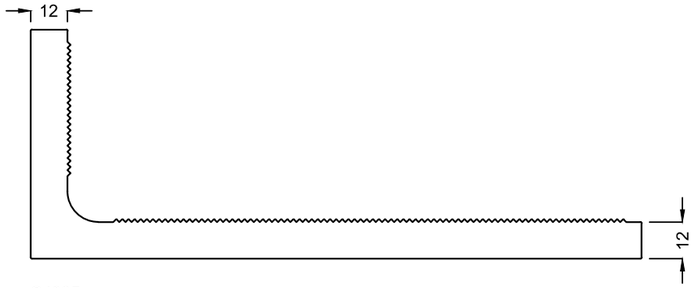
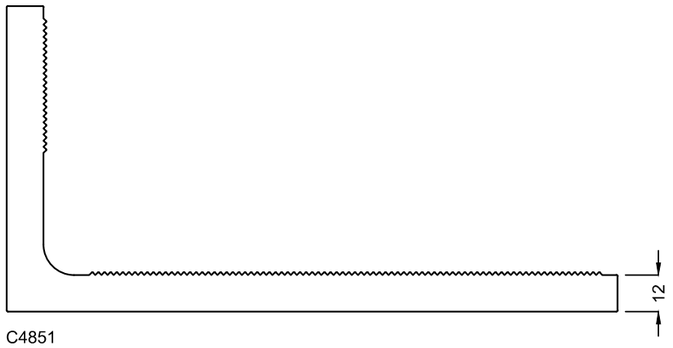
Extrusion ID



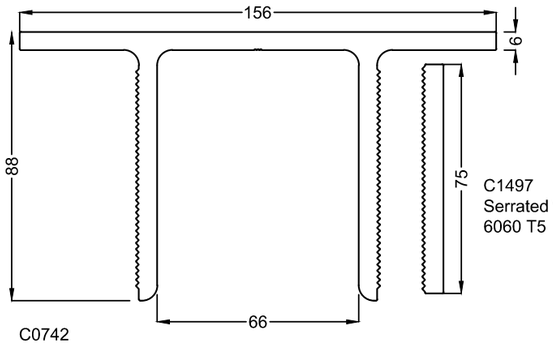
C4169
195 x 70 x 11 Fixing Bracket
6061 T6



C4235
200 x 75 x 12 Fixing Bracket
6061 T6

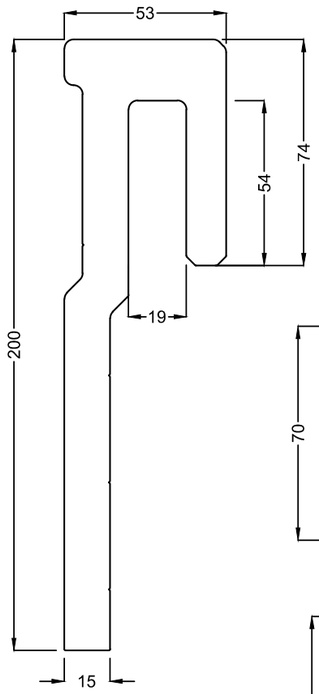


C4851
200 x 100 x 12 Fixing Bracket
6061 T6

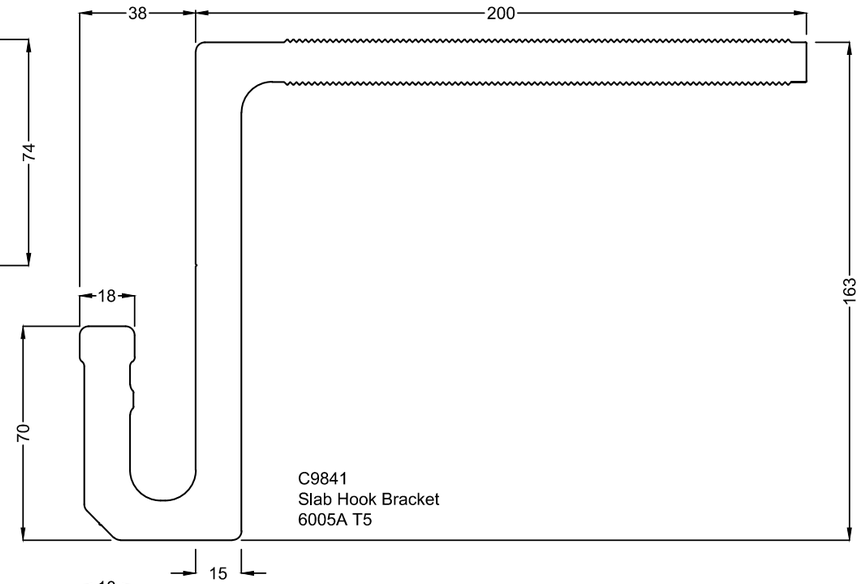


C1497
Serrated Washer
6060 T5

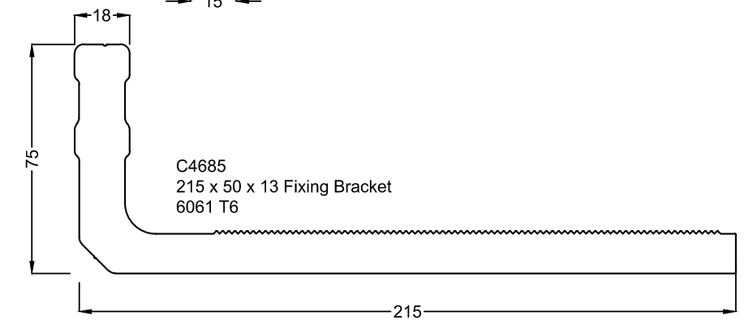
C0742
156 x 88 Fixing Bracket
6005A T5



C9842
Mullion Hook Bracket
6061 T6



C9841
Slab Hook Bracket
6005A T5



C4685
215 x 50 x 13 Fixing Bracket
6061 T6

Component ID

CH9526
Expansion Seal

CH9627
C-ex Mullion
Expansion Bulb

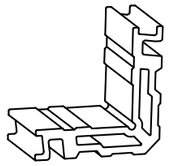
CH9659
Co-ex Mullion
Expansion Dual Bulb

CH9566
Stack Joint Drain Flap

CH9565
Co-ex Bulb Seal

CH13
Sash Bulb Seal

CH9815
Corner Chevron 13.9mm



CH8101337
Cornerstake 33.7mm
suit C9478, C9832 Sashes

Max™182 STRUCTURAL GLAZED FRAMING & CURTAIN WALL - 40mm Rebate

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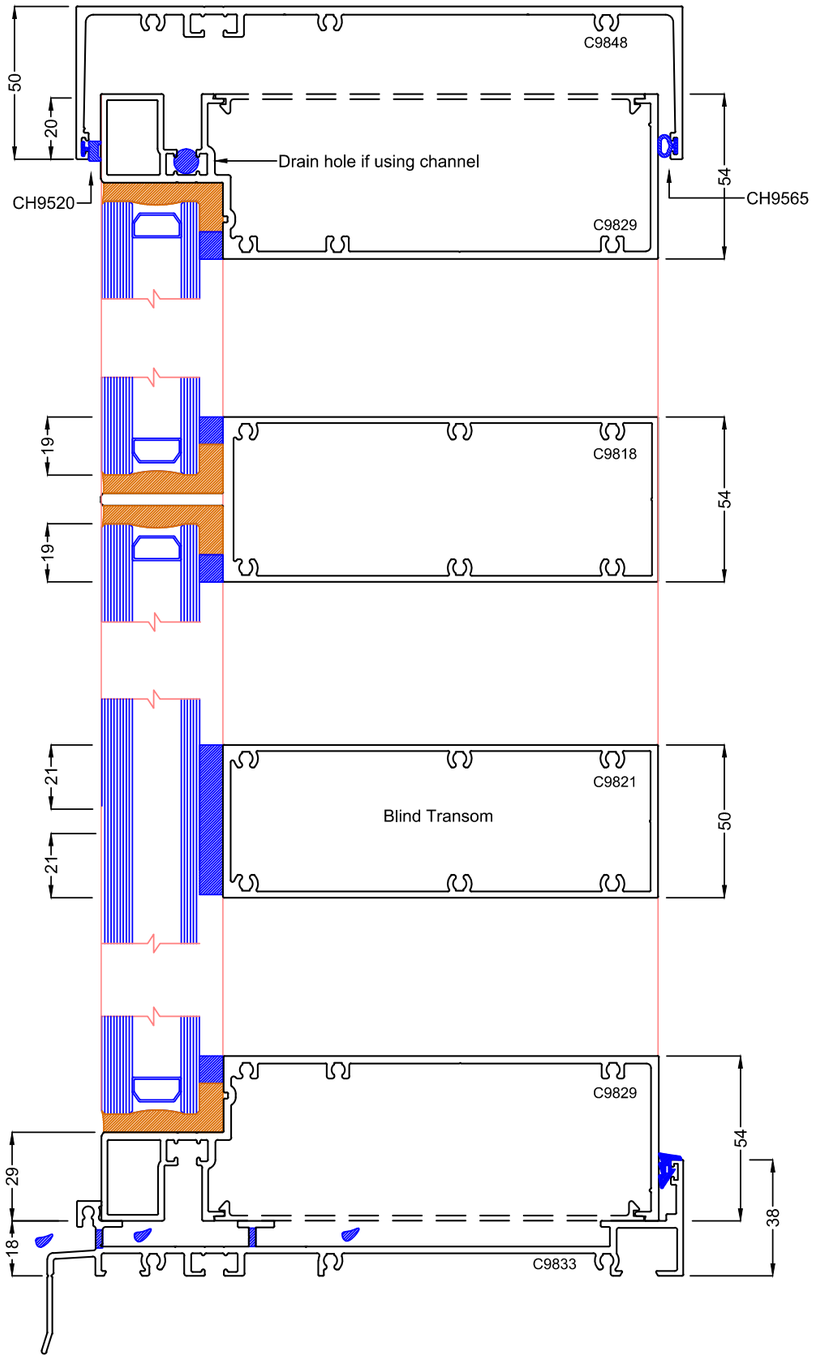
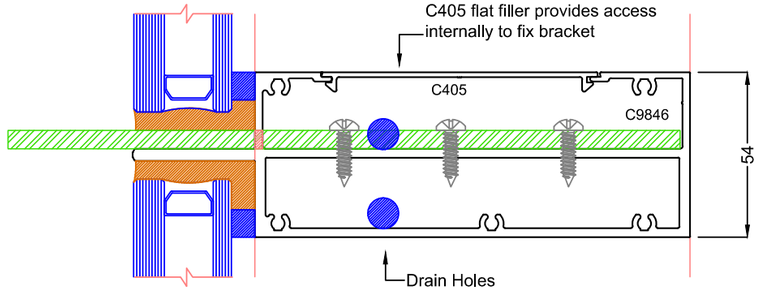
Head & Sill detail as a Framing System

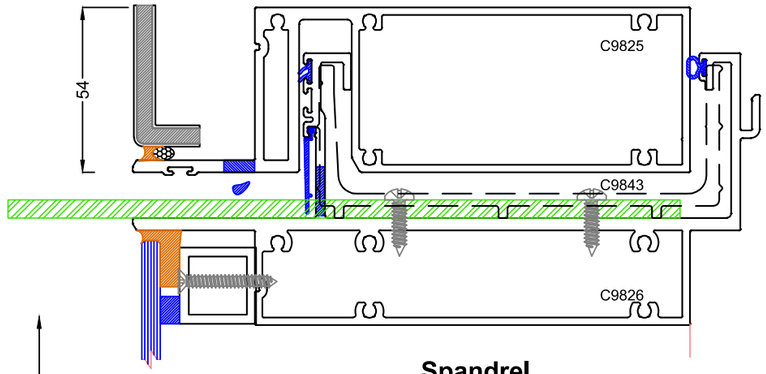
The detail below & page prior details low profile structural frame members than what is typically used in the curtain wall detailing. The rebate depth of face of 25mm is common on all assemblies allowing it to be used in conjunction with C9832 structural glazed Sash.



Bracketed Head / Transom / Stack joint detail

At times it is necessary to bracket horizontals & some examples are shown below





Spandrel

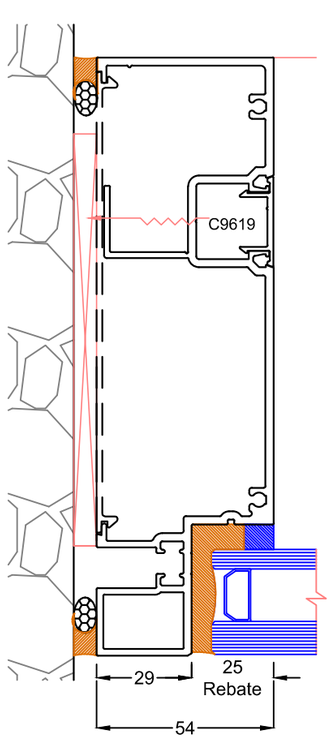
If bracketed through a stack joint, ensure brackets do not affect splice & do not impeded drainage

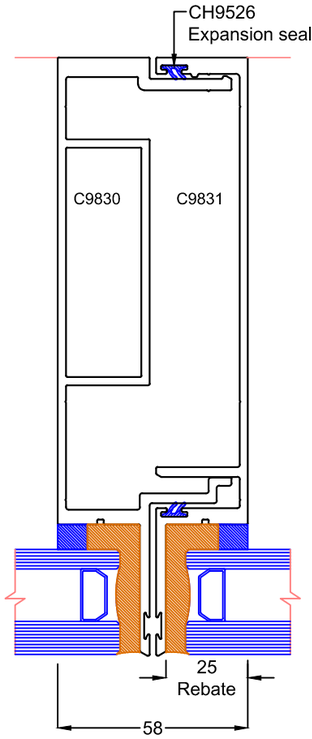
Max™182 STRUCTURAL GLAZED FRAMING & CURTAIN WALL - 40mm Rebate

Max Framing Systems: M182CW40 - 6

Jamb & Mullion Detail as a Framing System

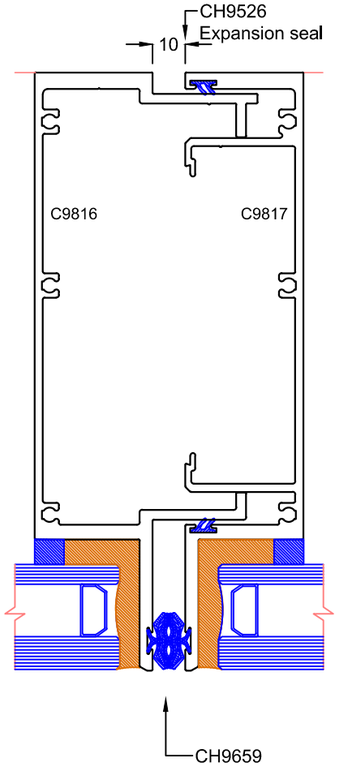
The detail below& page prior details low profile structural frame members than what is typically used in the curtain wall detailing.
The rebate depth of face of 25mm is common on all assemblies allowing it to be used in conjunction with C9832 structural glazed Sash.
All profiles are compatible with the curtain wall assemblies deeper curtain wall assemblies if they need to be combined.





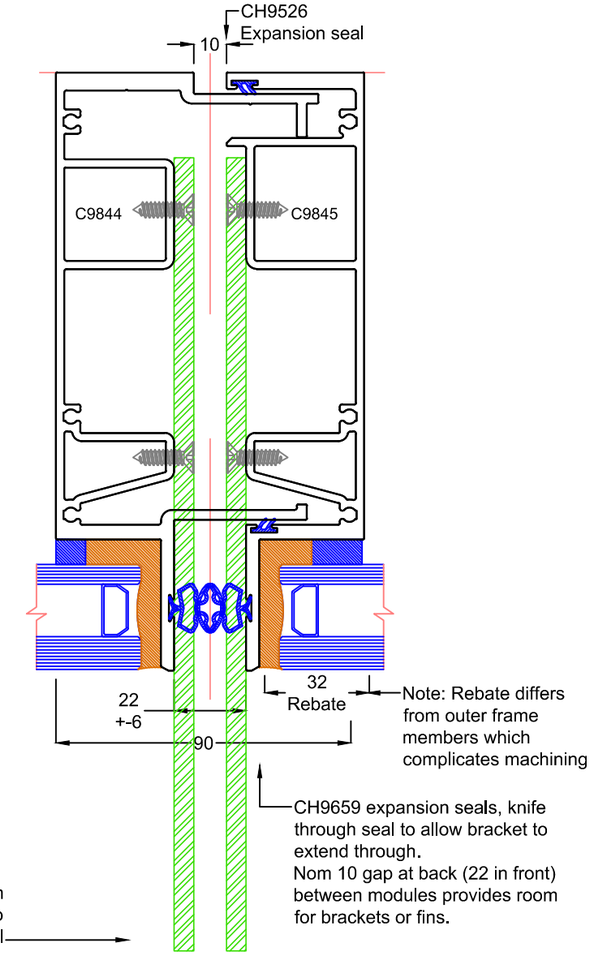
Mullion Detail as a Curtain Wall

The rebate depth of face of Mullions is 32mm & differs from the narrower faced mullions & horizontals which are 25mm. These profiles are not suited to the structural glazed sash.



C9844, C9845 Shadescreen Mullion

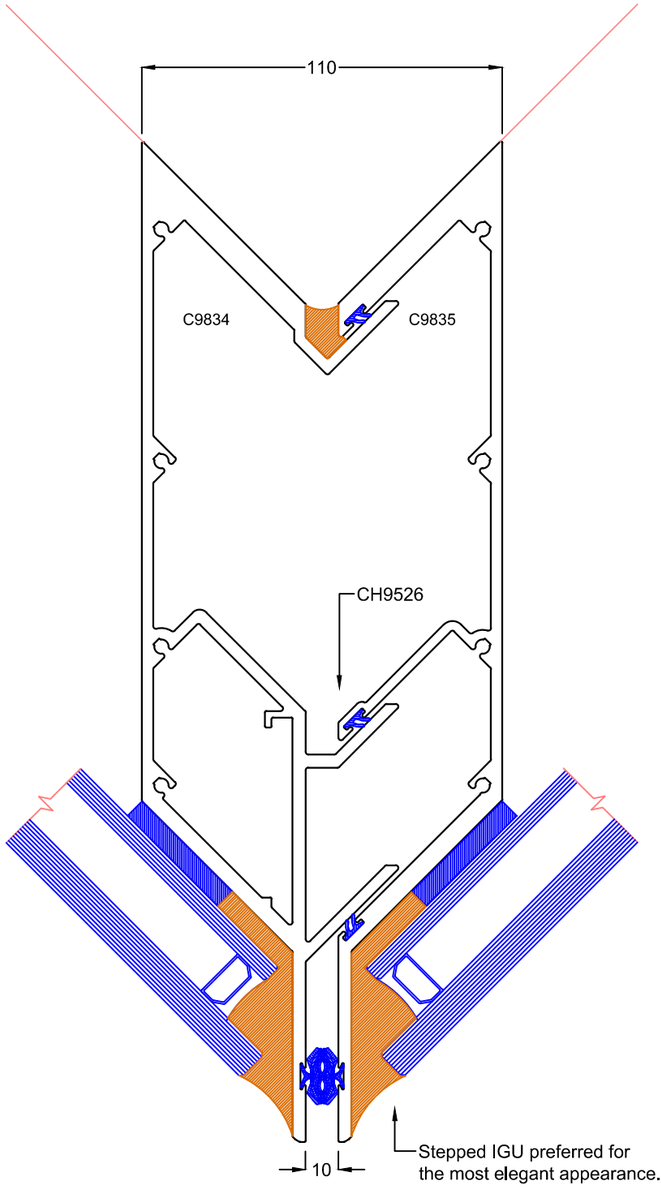
The broader face & internal hollow allow brackets or fins to be side fixed into mullions. These profiles are not suited to the structural glazed sash.



Max™182 STRUCTURAL GLAZED FRAMING & CURTAIN WALL - 40mm Rebate

Max Framing Systems: M182CW40 - 7

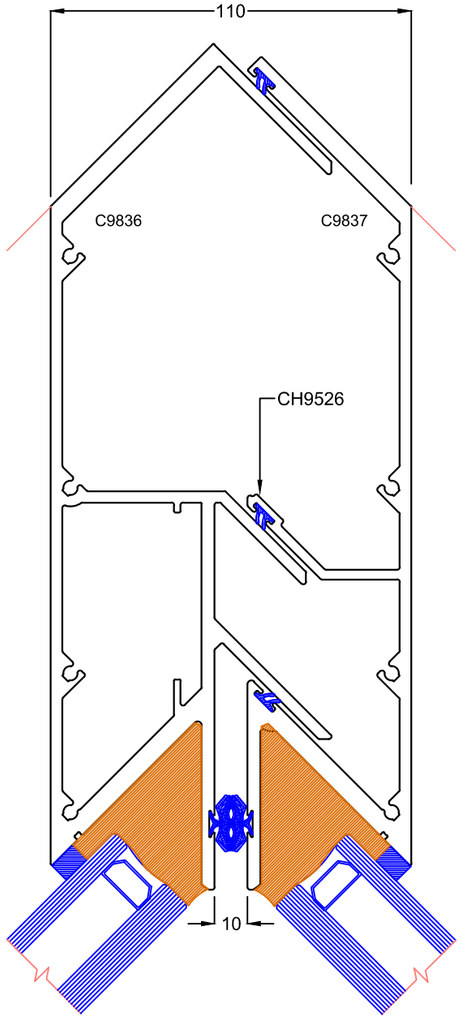
90' External Corner



MAX™ 182 Structural Glazed Framing & Curtain Wall

90' Concept Internal Corner

Sections not currently developed

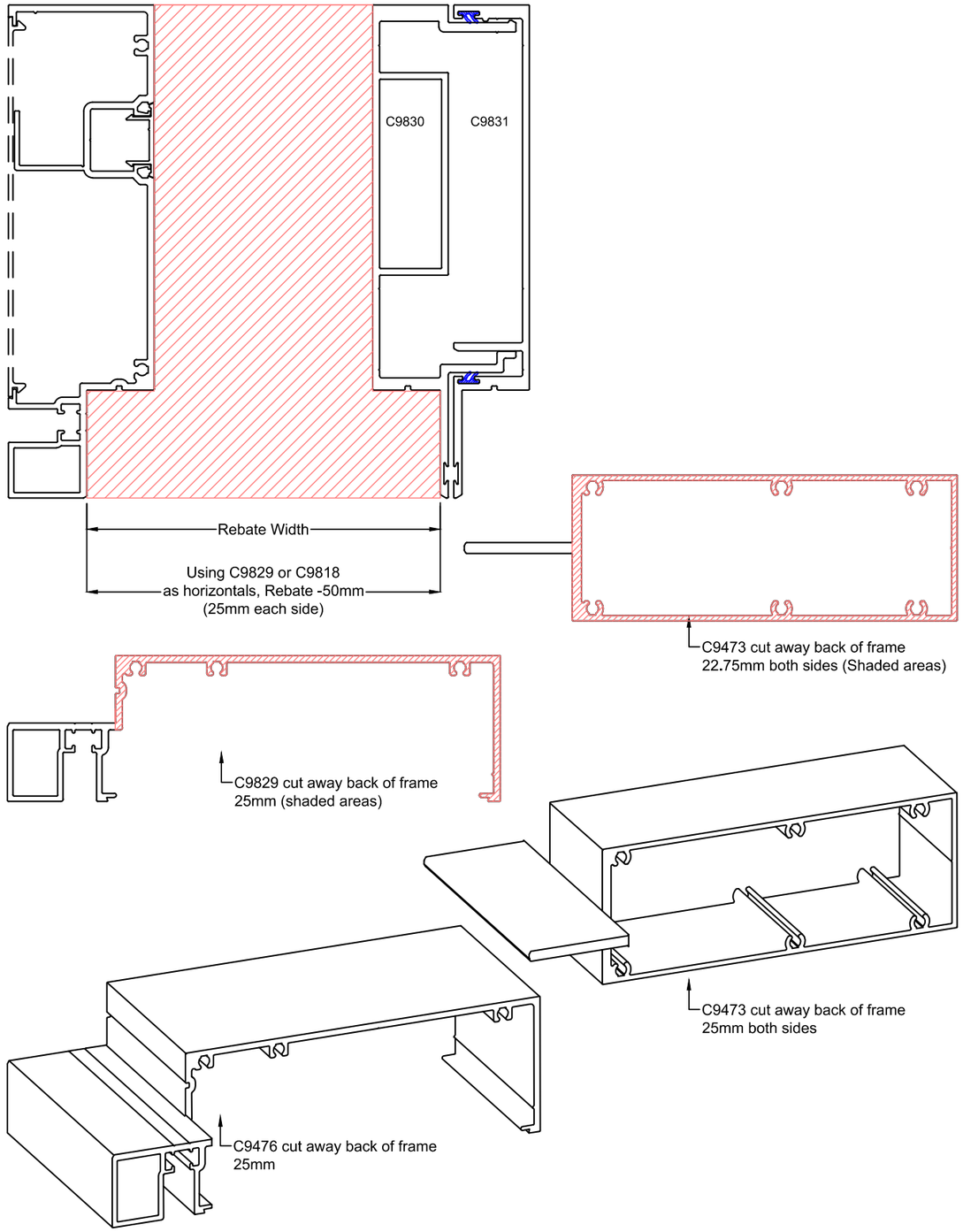


Max™182 STRUCTURAL GLAZED FRAMING & CURTAIN WALL - 40mm Rebate

Max Framing Systems: M182CW40 - 8

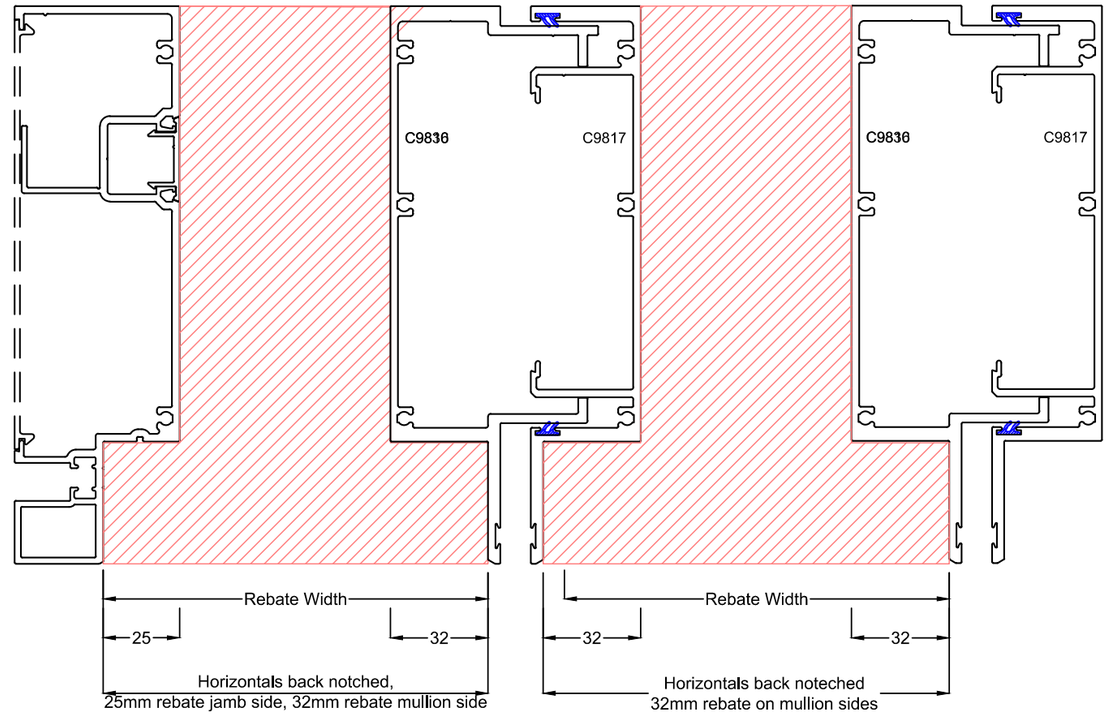
Machining Head, Sill & Transoms

Horizontals are generally back notched 25mm from each end as detailed below. Note that Heavy Duty curtain wall mullions C9816, C9817, 9844, 9845 have 40 x 32mm rebates & machining changes accordingly.



Machining Head, Sill & Transoms

Horizontals are generally back notched 25mm from each end as detailed below.
Note these Heavy Duty curtain wall mullions C9816 & C9817, 9844& 9845 have 40 x 32mm rebates & machining changes accordingly.

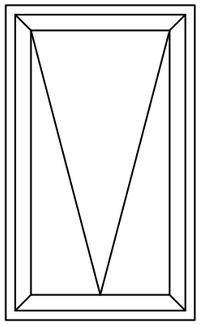


Max™182 STRUCTURAL GLAZED FRAMING & CURTAIN WALL - 40mm Rebate

Max Framing Systems: M182CW40 - 9

Head & Sill with Structural Glazed Sash

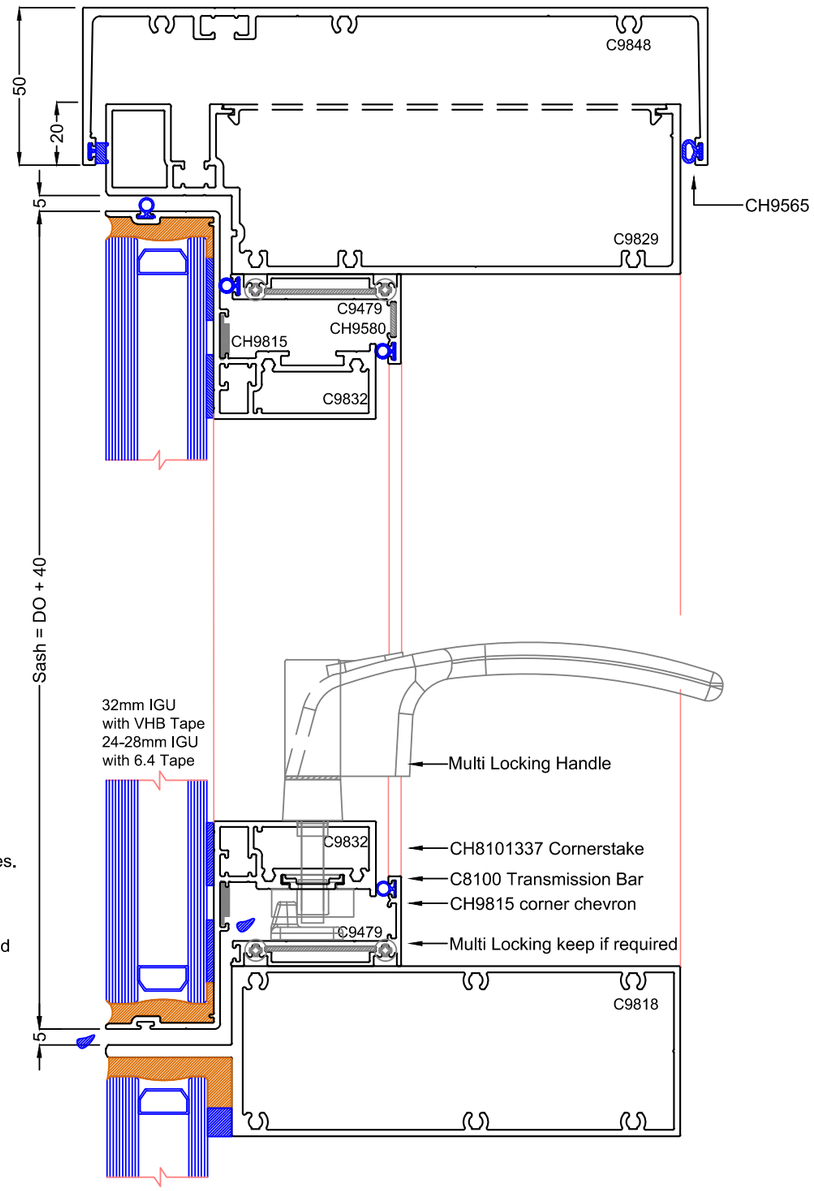
This sash is only suited to mullions & horizontals with a rebate depth of 25mm.
It does not suit heavy mullions or rebates on stack joints.



Note:

- Adapts into assemblies with 25mm rebates ie: Curtain wall mullion is unsuited (32mm rebate)
- Maximum Sash weights generally are 130kg on stays.
- Handle Operated key locking & multi locking, mounted on bottom rail
- Casement sashes have handle mounted on the sash stile with 72kg limit
- Not recommended for use with winders
- Max Height: 2100mm
- Max width: 1200mm
- Accepts Q-lon Acoustic seals
- Generally suited to 24-32mm IGUs

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

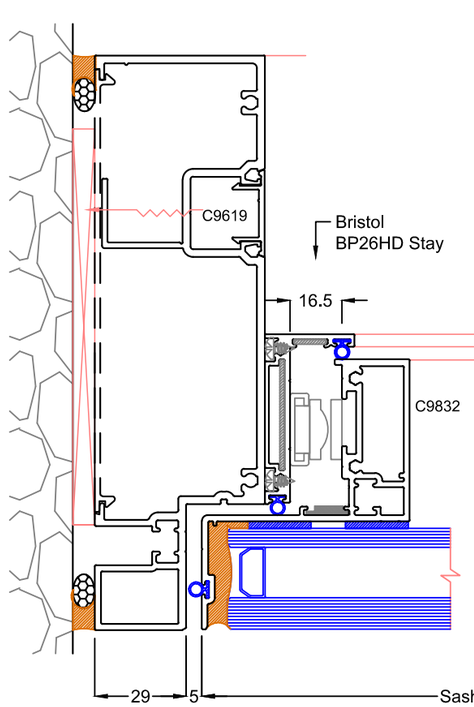


Multi locking Handle

An alternative means of operating awning windows, a handle drives multi locking points around the sash which increases weathertighness & resistance to negative windloads.

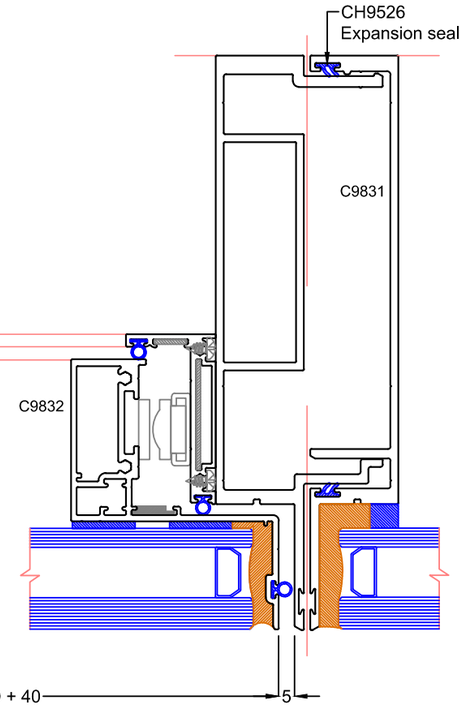
Its function is far superior to conventional cam handles. One handle only is required per Sash & is fitted on the bottom rail of awning Sashes & at an appropriate height on a Sash stile on casements.
Fitting of flyscreens become difficult however & would usually require a retractable screen.

Structural Sash Detail



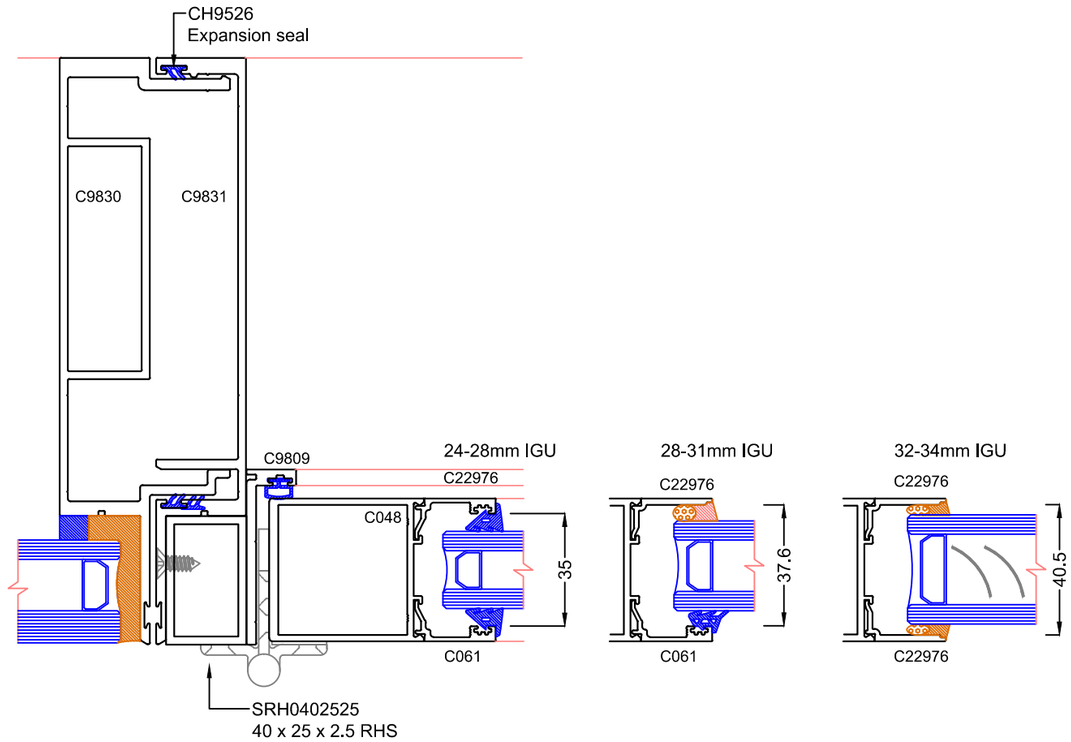
Standard Mullion (25mm Rebate)

Note that the HD Mullion is unsuitable to take the sash as it has a 32mm Rebate

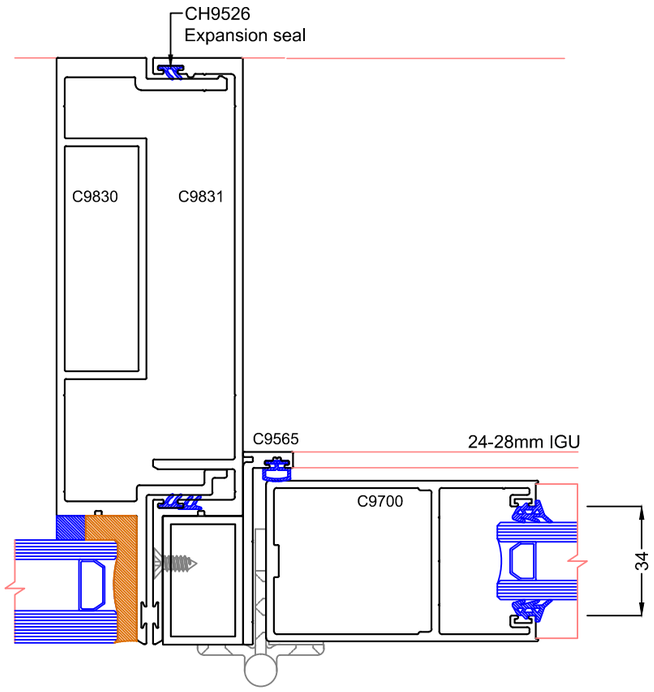


Max™182 STRUCTURAL GLAZED FRAMING & CURTAIN WALL - 40mm Rebate
Max Framing Systems: M182CW40 - 10

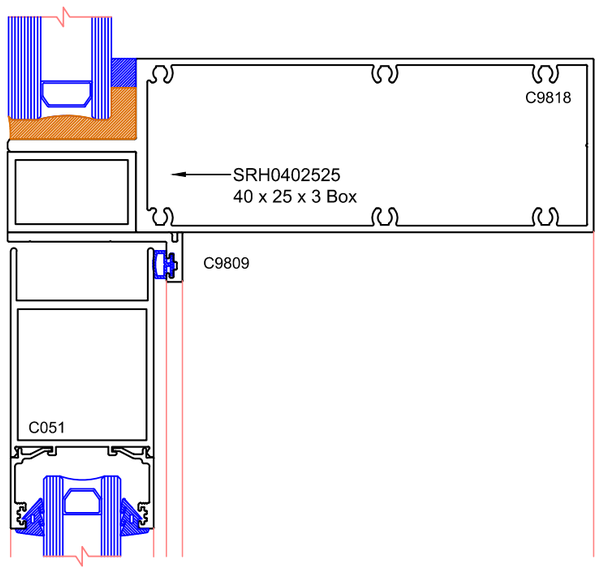
Hinged Door Detail - 45mm Beaded Door



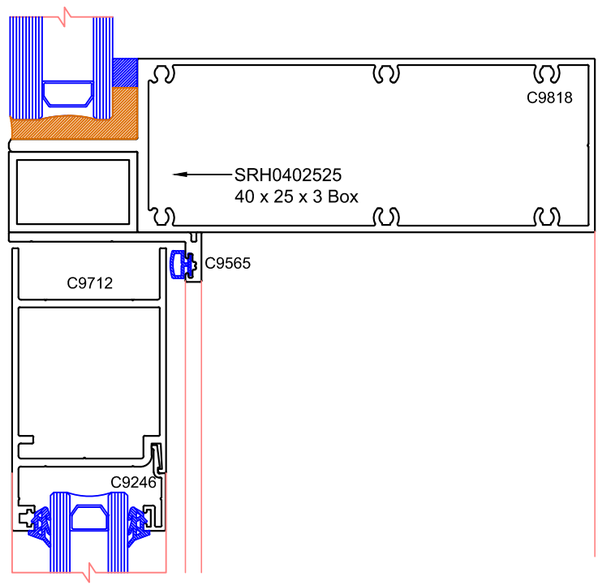
Hinged Door Detail - Max 50mm Pocketed Door



45mm Beaded Door - Head or Transom Detail



Max 50mm Pocketed Door - Head or Transom Detail

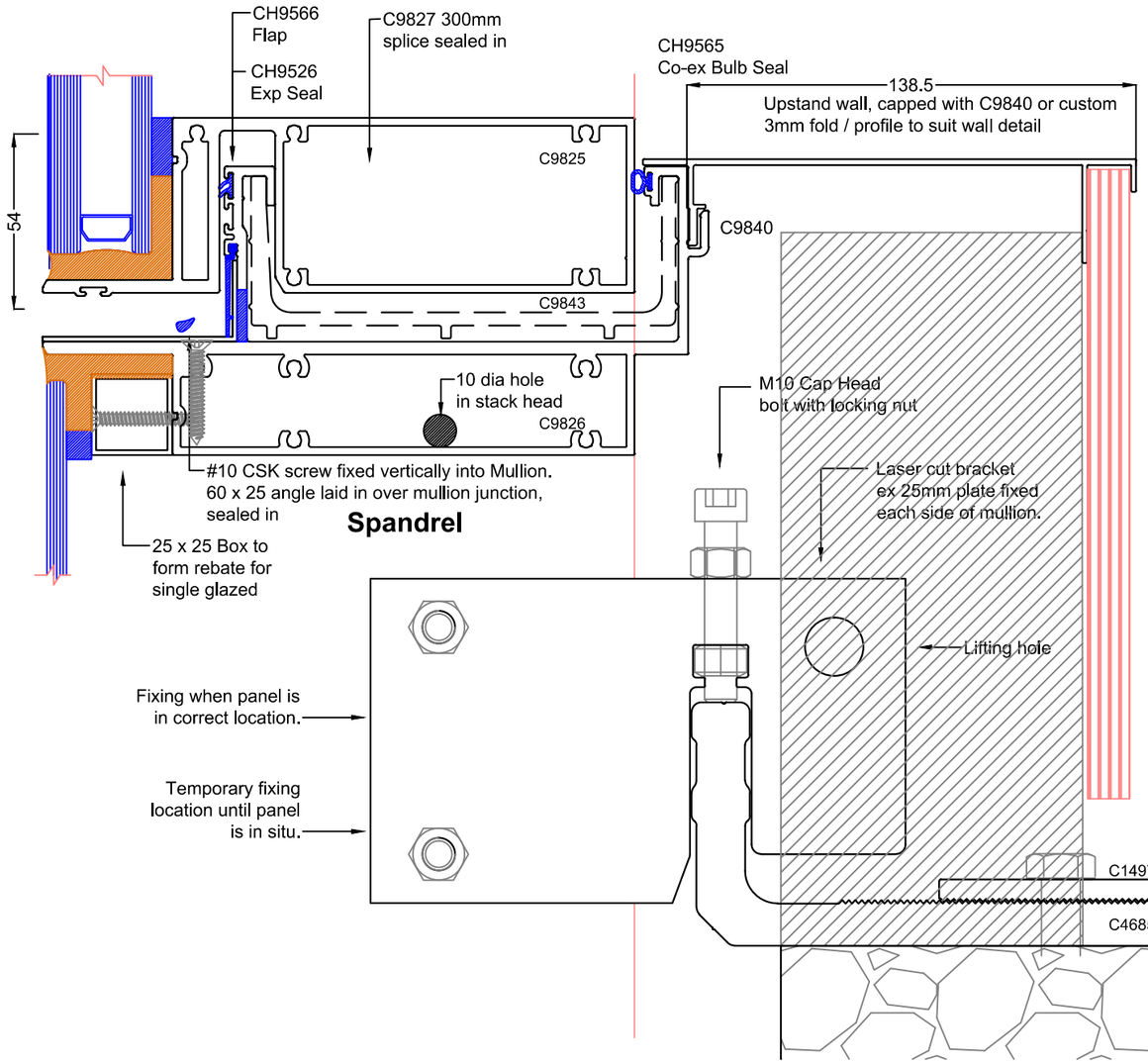


Max™182 STRUCTURAL GLAZED FRAMING & CURTAIN WALL - 40mm Rebate
Max Framing Systems: M182CW40 - 11

Stack Joint Mullion Bracketing

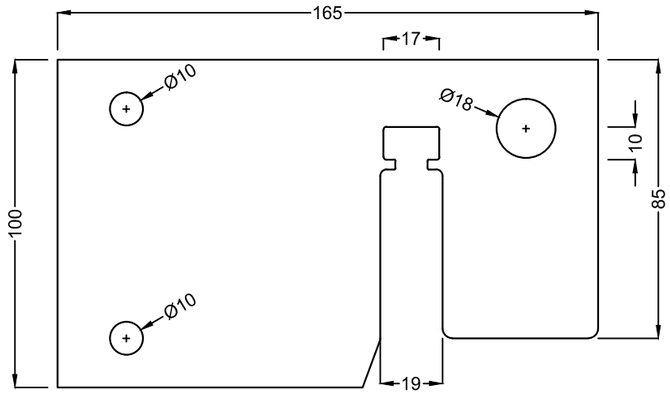
Offering a larger range of stack joint movement than the standard & simplified square cut verticals.
Bracketing methods can vary considerably & the details below are suggestions only of typical methods that can be adopted. Fixings should not be within 75mm of slab edge. The location of fixings, bracket size, location & size & grade of fixings must be determined by a suitably qualified engineer.

Bracketing through side of Mullion



Suggested Bracket details

Bracket size, design, fixing sizes are subject to engineer verifcation.
Brackets can be accurately waterjet cut from 25mm aluminium plate.



Max™182 STRUCTURAL GLAZED FRAMING & CURTAIN WALL - 40mm Rebate

Max Framing Systems: M182CW40 - 12

Curtain Wall Plan View

It is important to determine grid line dimensions so they can be repeated across facades with minimal variations. This gives unity to the facade & would usually only require the last panel to be adjusted in size.

The detail below shows the Male mullion on the LHS of a panel. This is important for manufacturing not to change the arrangement from an installation viewpoint.

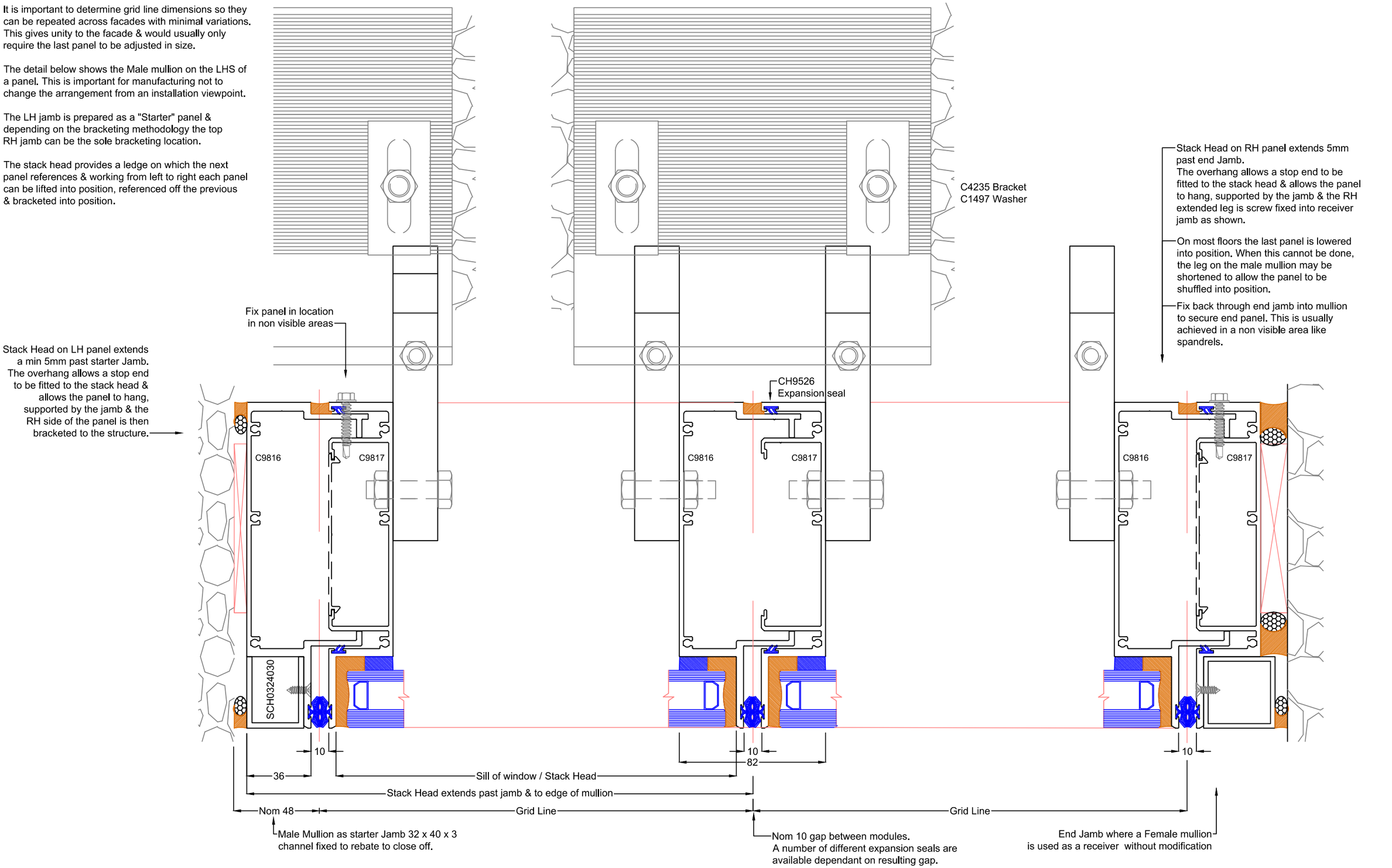
The LH jamb is prepared as a "Starter" panel & depending on the bracketing methodology the top RH jamb can be the sole bracketing location.

The stack head provides a ledge on which the next panel references & working from left to right each panel can be lifted into position, referenced off the previous & bracketed into position.

Typical Jamb Detail

Typical Mullion Detail

Typical End Jamb Detail



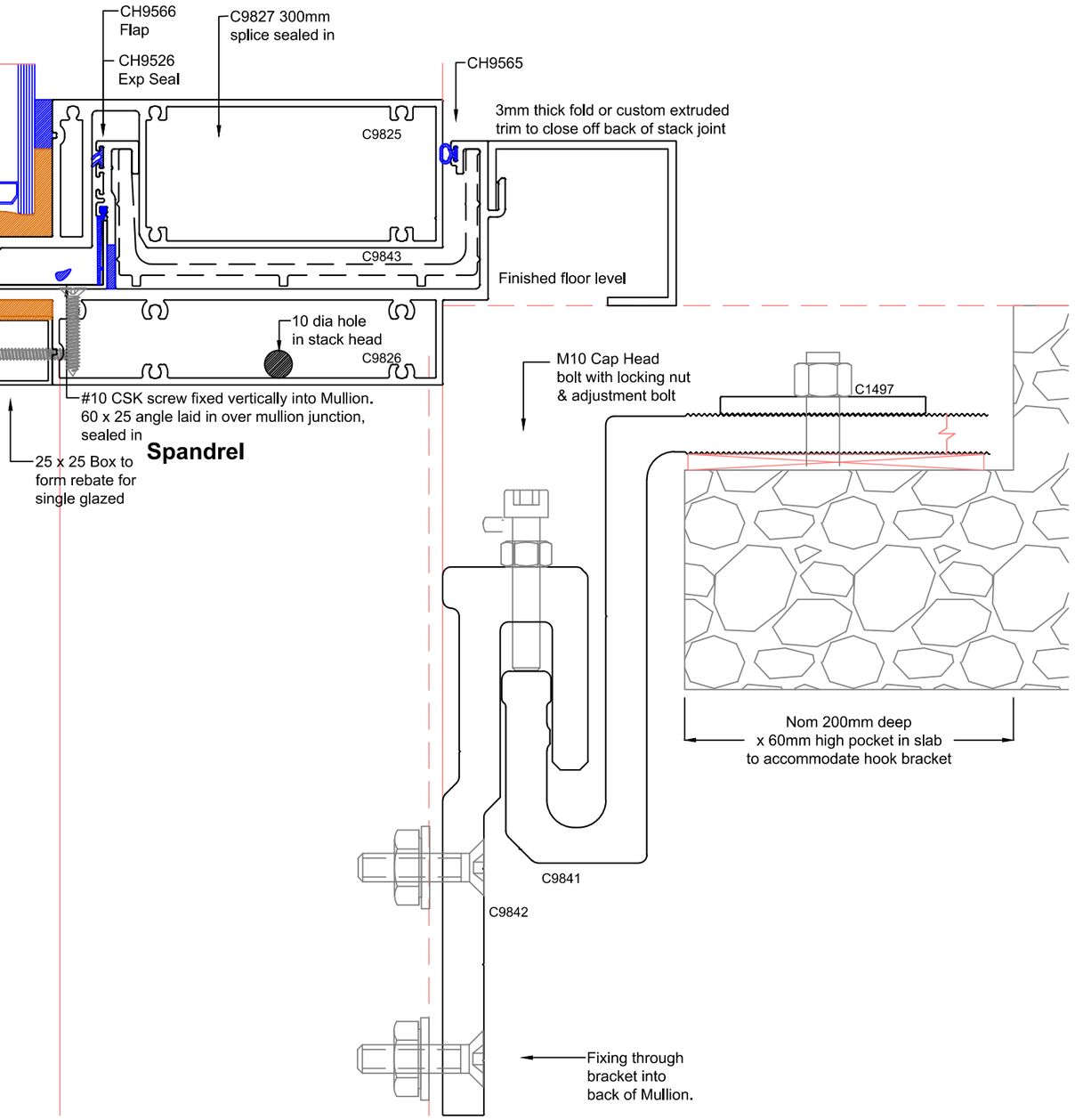
Max™182 STRUCTURAL GLAZED FRAMING & CURTAIN WALL - 40mm Rebate

Max Framing Systems: M182CW40 - 13

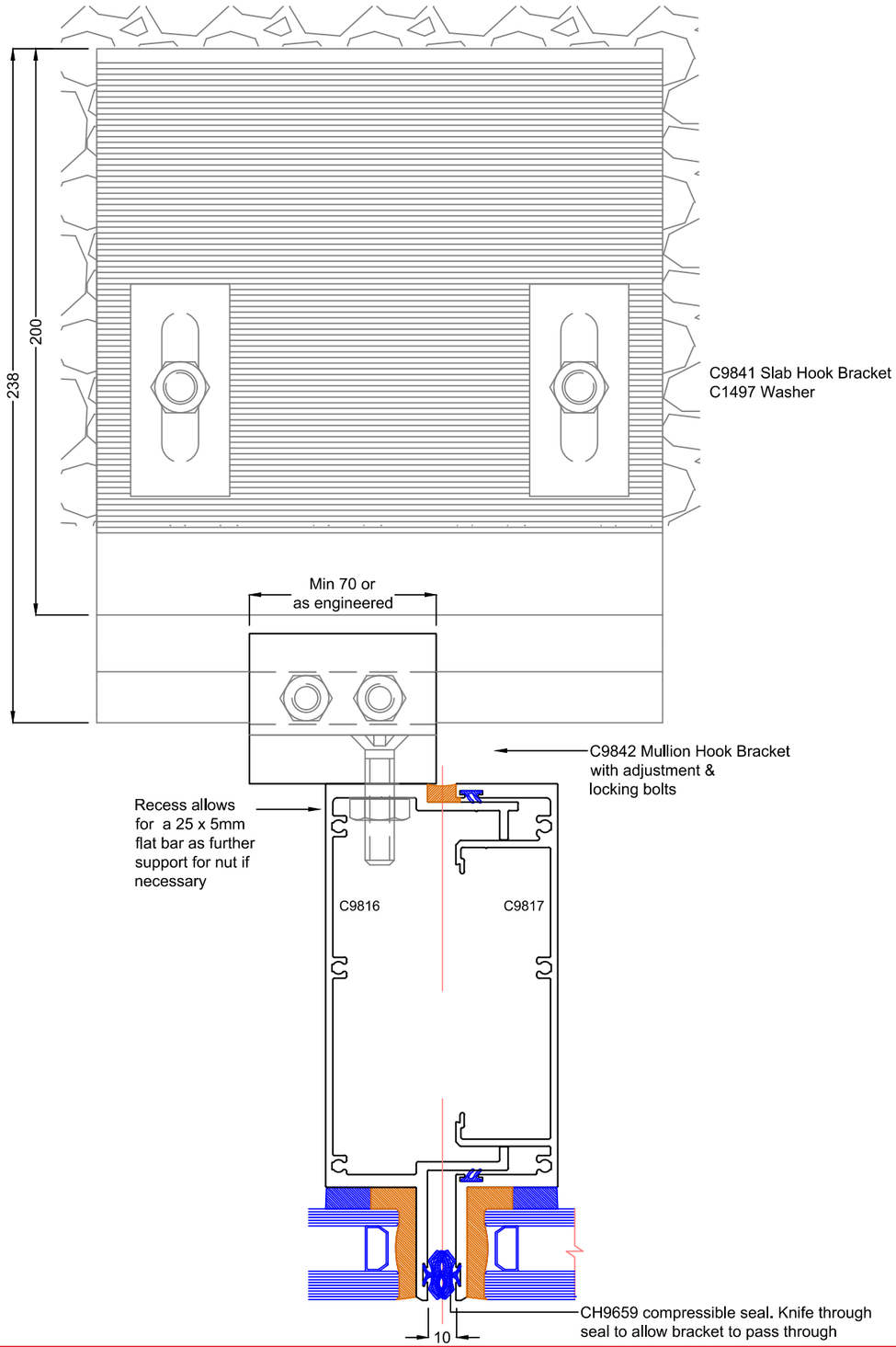
Unitised Curtain Wall & HD Stack Joint - back fixed bracket

This bracketing method works on the HD Split Mullions where it can be bolted through the back of the mullion.
Stack joints provide vertical movement within the curtain wall & can differ each project.
It is important to confirm the engineered slab deflection / movement in the system before deciding if this assembly is suitable.

Bracketing through side of Mullion



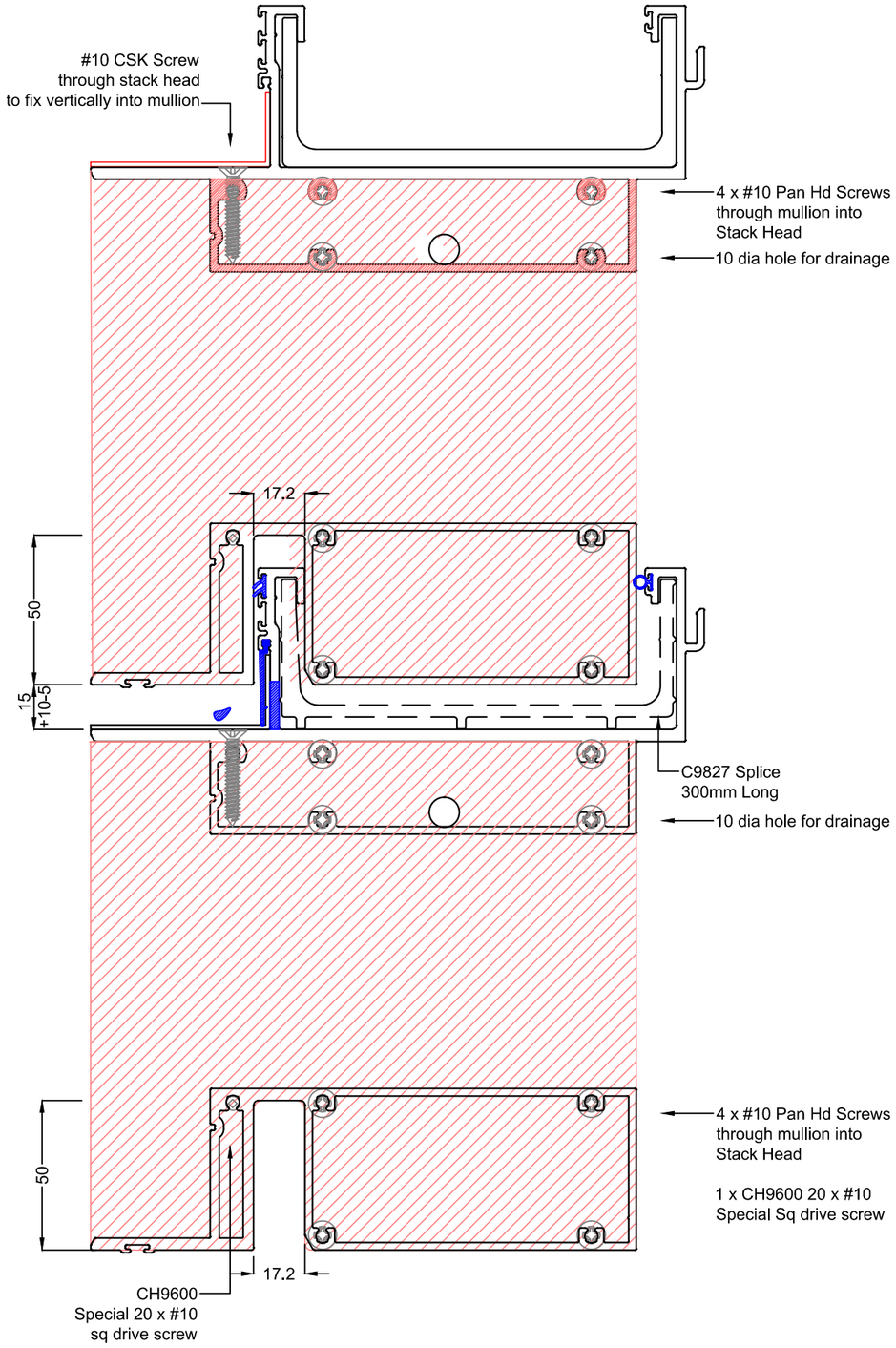
Typical Mullion Detail



Max™182 STRUCTURAL GLAZED FRAMING & CURTAIN WALL - 40mm Rebate

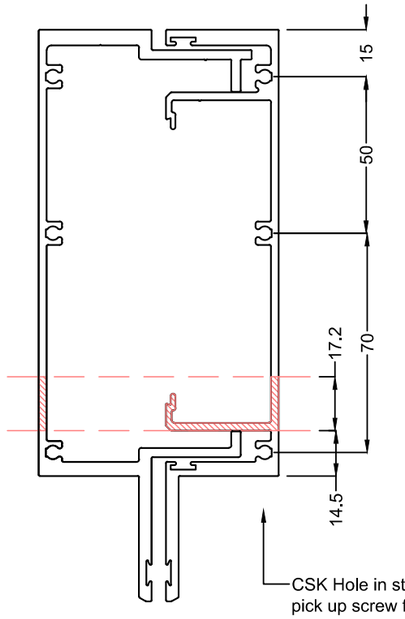
Max Framing Systems: M182CW40 - 14

Vertical Machining Details



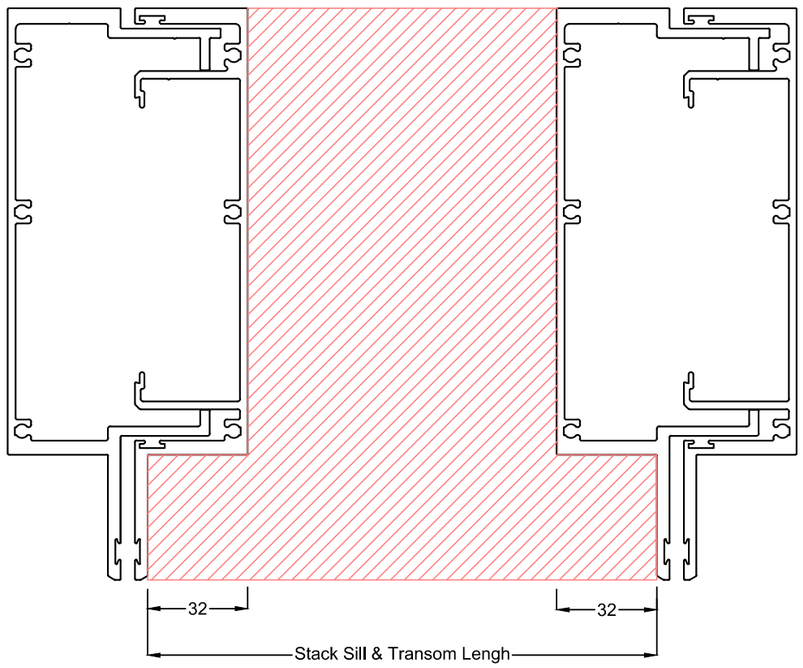
Vertical Machining Details

Slot through bottom of mullion



Horizontal Machining Details

Stack Sill & Transom
Back notch through all horizontals

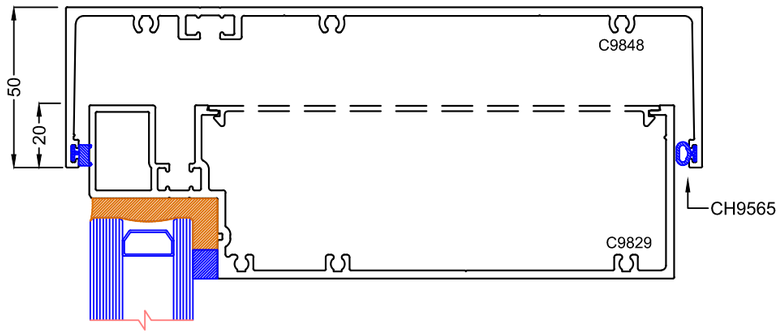


Max™ 182 STRUCTURAL GLAZED FRAMING & CURTAIN WALL - 40mm Rebate

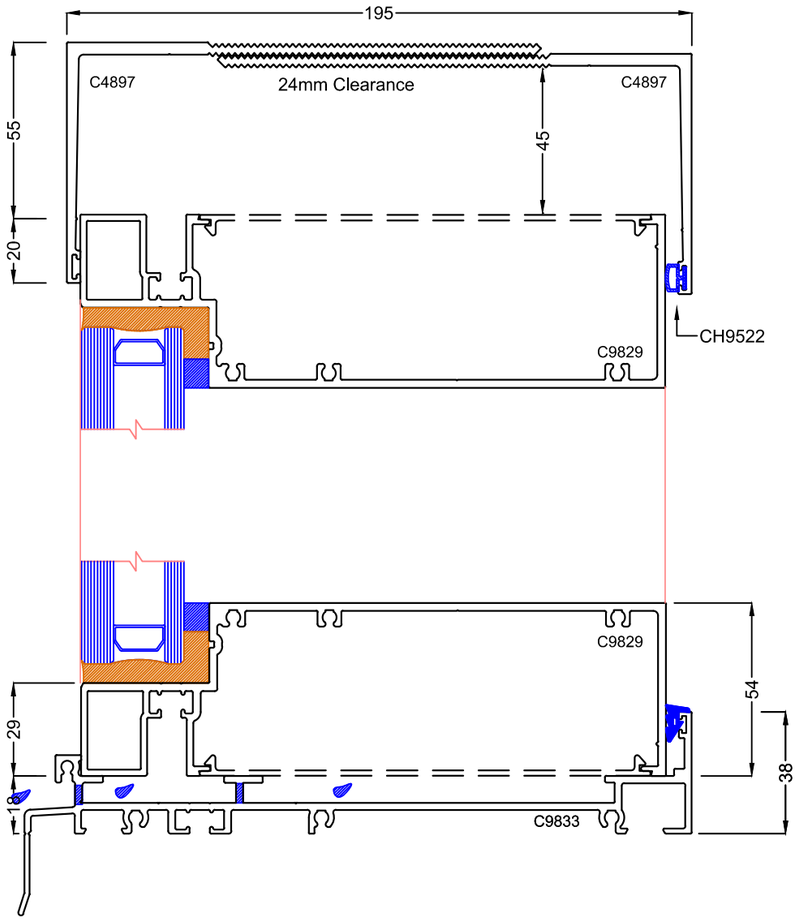
Max Framing Systems: M182CW40 - 15

Sub Frame Options

50mm One Piece Sub Head

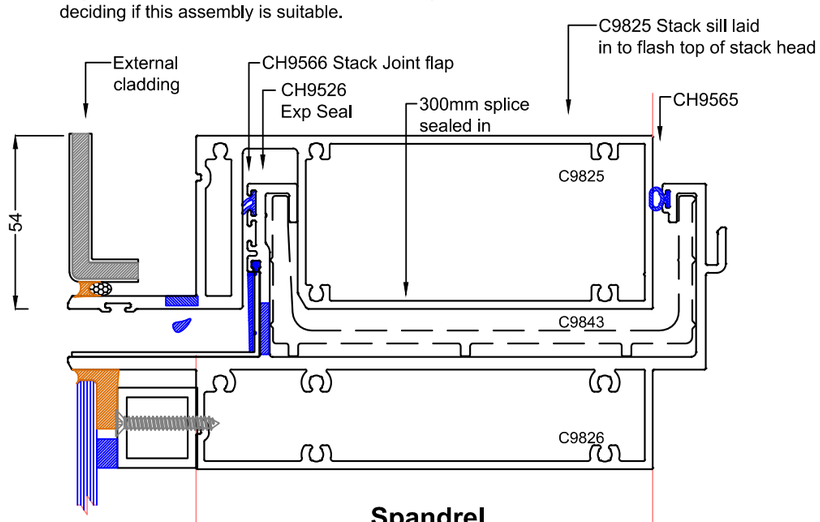


75mm 2 Part Sub Head (Self Mating)



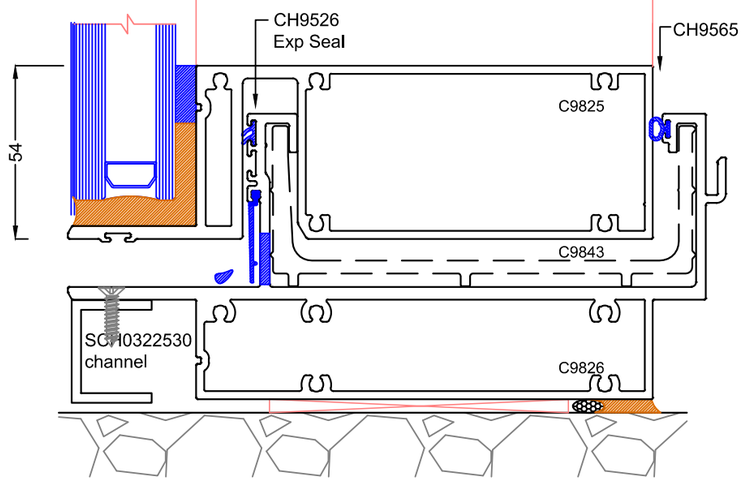
Unitised Curtain Wall & Soffit & Sill detail

Stack joints provide vertical movement within the curtain wall & can differ each project. It is important to confirm the engineered slab deflection / movement in the system before deciding if this assembly is suitable.



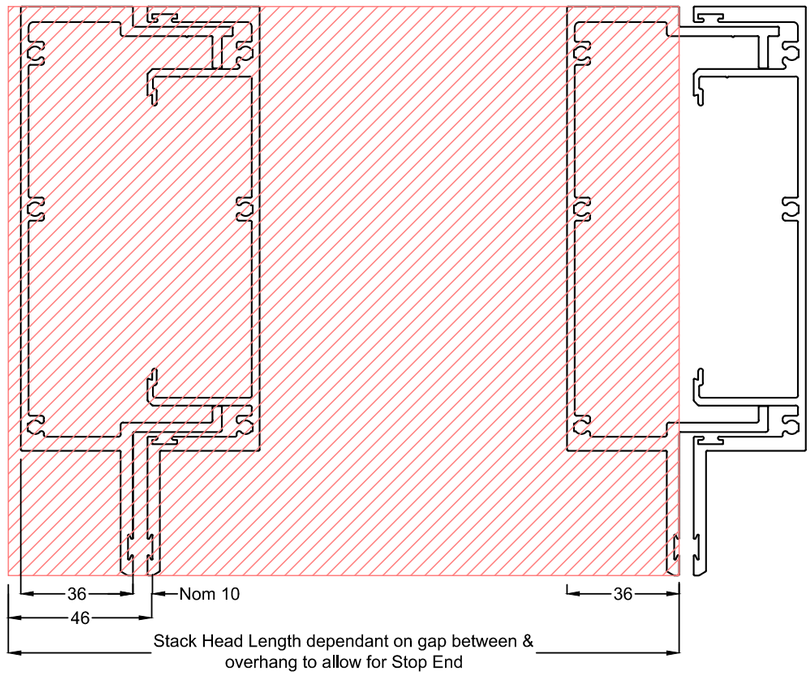
Spandrel

Vision

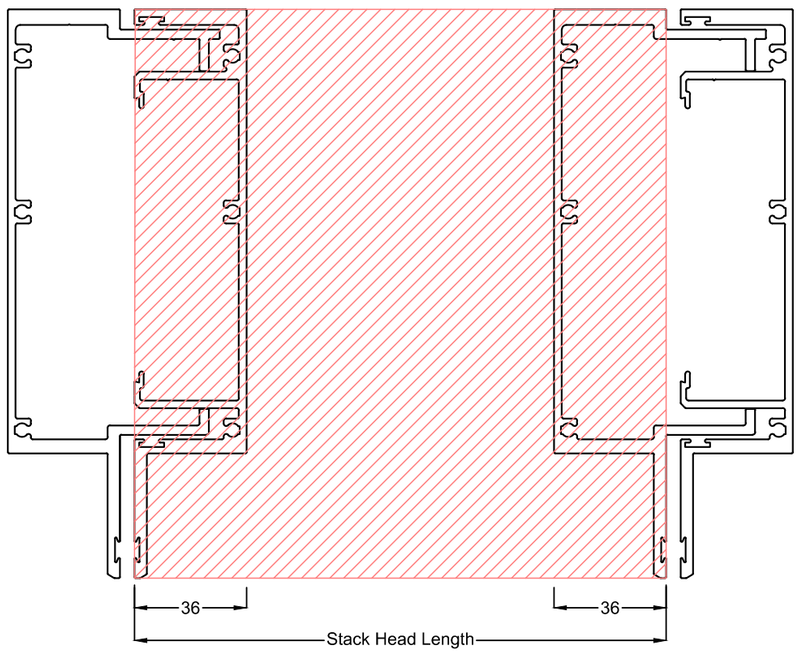


Max™182 STRUCTURAL GLAZED FRAMING & CURTAIN WALL - 40mm Rebate
Max Framing Systems: M182CW40 - 16

Horizontal Machining Details
Starter & End Panels

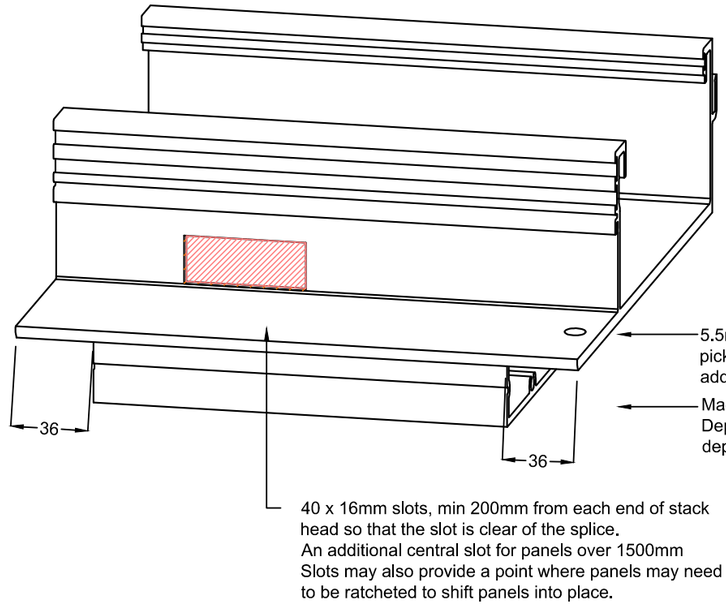


Horizontal Machining Details
Intermediate Panels

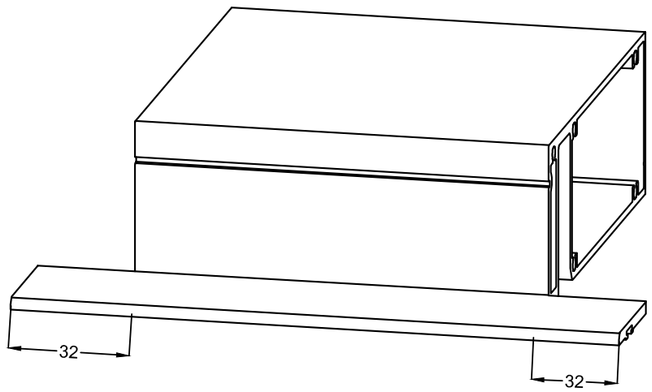


Stack Joint Machining Details
Machining is based on the use of C9816, C9817 mullion extrusions which have a 40 x 32mm rebate.
Note that frame extrusions C9828, C9829 have 40 x 25mm & machining changes accordingly

C9826 Stack Head Machining
Standard Panels

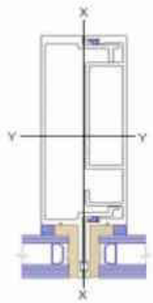


C9825 Stack Sill Machining
Standard Panels



Max™182 STRUCTURAL GLAZED FRAMING & CURTAIN WALL - 40mm Rebate
Max Framing Systems: M182CW40 - 17
Mullion Structural Tables

Mullion Combination: SG182 Structural Mullion C9830/C9831



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.

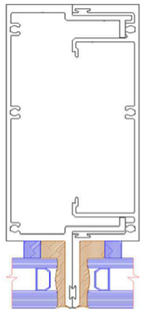
This chart is to be used as a guide only. Where Serviceability exceeds 3kPa or for more information, contact Capral.

Frame Height (mm)		Design Wind Pressure (Pa)							
2200	*S*	*12282*	*10088*	*8689*	*7756*	*7127*	*6717*	*6482*	*404*
	U	*12282*	*10088*	*8689*	*7756*	*7127*	*6717*	*6482*	*6404*
2400	*S*	*10185*	*8328*	*7133*	*6321*	*5757*	*5365*	*5105*	*4954*
	U	*10185*	*8328*	*7133*	*6321*	*5757*	*5365*	*5105*	*4954*
2600	*S*	*8580*	*6992*	*5963*	*5256*	*4755*	*4395*	*4140*	*3969*
	U	*8580*	*6992*	*5963*	*5256*	*4755*	*4395*	*4140*	*3969*
2800	*S*	*7324*	*5953*	*5060*	*4442*	*3998*	*3673*	*3434*	*3262*
	U	*7324*	*5953*	*5060*	*4442*	*3998*	*0.3673*	*3434*	*3262*
3000	*S*	*6323*	*5129*	*4347*	*3804*	*3410*	*3118*	*2999*	*2735*
	U	*6323*	*5129*	*4347*	*3804*	*3410*	*3118*	*2899*	*2735*
3200	**S**	*5502*	*4463*	*3775*	*3295*	*2944*	*2682*	*2482*	*2330*
	U	*5512*	*4463*	*3775*	*3295*	*2944*	*2682*	*2482*	*2330*
3400	**S**	4574	3706	3136	2739	2449	2231	2065	1937
	U	4847	3919	3309	2881	2568	2332	2151	2010
3600	**S**	3844	3110	2628	2290	2042	1856	1712	1600
	U	4293	3467	2923	2541	2260	2047	1883	1754
3800	**S**	3262	2636	2224	1934	1722	1561	1436	1339
	U	3828	3088	2601	2257	2004	1812	1662	1544
4000	**S**	2792	2254	1899	1650	1466	1326	1218	1132
	U	3433	2768	2328	2018	1789	1614	1478	1370
4200	**S**	2408	1942	1635	1418	1258	1137	1042	966
	U	3096	2494	2096	1815	1607	1448	1323	1224
4400	**S**	2091	1686	1418	1229	1089	982	898	832
	U	2805	2258	18%	1640	1451	1306	1192	1100
4600	**S**	1828	1473	1238	1071	948	854	780	721
	U	2552	2054	1723	1490	1316	1183	1079	995
4800	**S**	1608	1294	1087	940	831	748	682	630
	U	2332	1875	1573	1359	1200	1077	981	903
5000	**S**	1421	1143	960	830	733	659	600	
	U	2138	1719	1441	1244	1097	985	896	
Mullion Centres (mm)		800	1000	1200	1400	1600	1800	2000	2200

Note: These charts are based on single span mullions only.
If double equal span mullions are being used, spans will be significantly stronger but must be verified by a structural engineer.

Mullion Structural Tables

Mullion Combination: Max 200-40 Pocket Struct C9816 C9817



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.

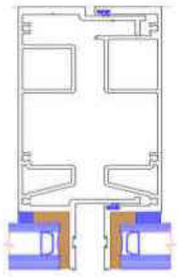
This chart is to be used as a guide only. Where Serviceability exceeds 3kPa or for more information, contact Capral.

Frame Height (mm)		Design Wind Pressure (Pa)							
2200	*S*	*18202*	*14950*	*12877*	*11495*	*10562*	*9955*	*9606*	*9491*
	U	*18202*	*14950*	*12877*	*11495*	*10562*	*9955*	*9606*	*9491*
2400	*S*	*15183*	*12415*	*10633*	*9424*	*8582*	*7998*	*7610*	*7385*
	U	*15183*	*12415*	*10633*	*9424*	*8582*	*7998*	*7610*	*7385*
2600	*S*	*12093*	*9855*	*8404*	*7408*	*6702*	*6195*	*5836*	*5594*
	U	*12093*	*9855*	*8404*	*7408*	*6702*	*6195*	*5836*	*5594*
2800	*S*	10275	8376	7143	6295	5690	5251	4932	4706
	U	10368	8427	7163	6287	5659	5199	4861	4618
3000	*S*	8318	6764	5751	5049	4544	4172	3895	3691
	U	8989	7291	6180	5407	4848	4432	4121	3888
3200	**S**	6830	5543	4701	4115	3690	3374	3135	2954
	U	7868	6371	5389	4703	4202	3828	3543	3326
3400	**S**	5678	4600	3894	3400	3040	2770	2564	2405
	U	6945	5616	4742	4129	3680	3342	3082	2881
3600	**S**	4772	3861	3262	2842	2535	2304	2125	1987
	U	6176	4988	4205	3655	3251	2945	2708	2523
3800	**S**	4049	3272	2761	2401	2138	1938	1783	1662
	U	5528	4460	3756	3260	2894	2616	2400	2230
4000	**S**	3465	2798	2358	2048	1820	1646	1511	1405
	U	4977	4012	3375	2925	2593	2340	2143	1986
4200	**S**	2989	2411	2030	1761	1562	1411	1293	1199
	U	4504	3628	3049	2640	2338	2106	1925	1781
4400	**S**	2596	2093	1760	1525	1352	1219	1115	1032
	U	4095	3297	2769	2395	2118	1906	1740	1607
4600	**S**	2270	1828	1536	1330	1177	1061	969	895
	U	3740	3009	2525	2183	1929	1734	1580	1457
4800	**S**	1996	1607	1349	1167	1032	929	847	782
	U	3429	2757	2313	1998	1764	1584	1442	1328
5000	**S**	1764	1419	1191	1030	910	818	745	687
	U	3155	2536	2126	1835	1619	1453	1322	1216
Mullion Centres (mm)		800	1000	1200	1400	1600	1800	2000	2200

Note: These charts are based on single span mullions only.
If double equal span mullions are being used, spans will be significantly stronger but must be verified by a structural engineer.

Max™182 STRUCTURAL GLAZED FRAMING & CURTAIN WALL - 40mm Rebate
Max Framing Systems: M182CW40 - 18
Mullion Structural Tables

Mullion Combination: SG182 Shadescreen Mullion (C9844,C9845)



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*	*18607*	*15282*	*13163*	*11750*	*10797*	*10176*	*9820*	*9702*
	U	*18607*	*15282*	*13163*	*11750*	*10797*	*10176*	*9820*	*9702*
2400	*S*	*15453*	*12636*	*10823*	*9591*	*8734*	*8140*	*7745*	*7517*
	U	*15453*	*12636*	*10823*	*9591*	*8734*	*8140*	*7745*	*7517*
2600	*S*	*13038*	*10625*	*9061*	*7987*	*7226*	*6679*	*6292*	*6031*
	U	*13038*	*10625*	*9061*	*7987*	*7226*	*6679*	*6292*	*6031*
2800	*S*	*11147*	*9060*	*7701*	*6760*	*6084*	*5589*	*5226*	*4965*
	U	*11147*	*9060*	*7701*	*6760*	*6084*	*5589*	*5226*	*4965*
3000	*S*	*9638*	*7817*	*6626*	*5798*	*5197*	*4752*	*4418*	*4169*
	U	*9638*	*7817*	*6626*	*5798*	*5197*	*4752*	*4418*	*4169*
3200	**S**	8153	6616	5612	4912	4405	4027	3742	3526
	U	8414	6813	5763	5029	4494	4093	3789	3556
3400	**S**	6778	5491	4648	4058	3629	3306	3060	2871
	U	7408	5990	5057	4404	3925	3565	3288	3073
3600	**S**	5696	4608	3894	3393	3026	2750	2537	2372
	U	6570	5306	4474	3889	3459	3133	2881	2684
3800	**S**	4833	3906	3295	2867	2552	2313	2128	1984
	U	5866	4733	3986	3459	3071	2776	2547	2366
4000	**S**	4137	3340	2814	2444	2172	1965	1804	1677
	U	5269	4247	3573	3097	2746	2478	2268	2102
4200	**S**	3568	2878	2423	2102	1865	1684	1543	1432
	U	4757	3832	3220	2789	2469	2225	2033	1881
4400	**S**	3099	2498	2101	1821	1613	1455	1331	1232
	U	431.5	3474	2917	2524	2232	2009	1833	1693
4600	**S**	2709	2182	1834	1588	1405	1266	1156	1069
	U	3932	3164	2655	2295	2028	1823	1662	1532
4800	**S**	2382	1918	1611	1393	1232	1108	1011	933
	U	3597	2892	2426	2096	1850	1662	1513	1393
5000	**S**	2106	1694	1422	1229	1086	976	890	820
	U	3302	2654	2225	1921	1695	1521	1383	1273
Mullion Centres (mm)		800	1000	1200	1400	1600	1800	2000	2200

Note: These charts are based on single span mullions only.
If double equal span mullions are being used, spans will be significantly stronger but must be verified by a structural engineer.

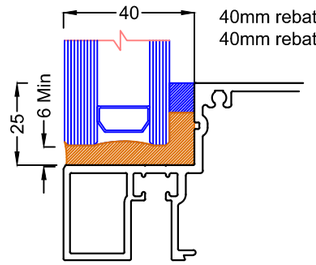
Glazing Methodology

It is possible to glaze the SG182 system in a number of ways - either as a site glazed or factory glazed system.
When factory glazed, panels are assembled as individual units (glass & frame bonded panels) in a controlled environment. This allows for proper surface preparation & tape application procedures to be maintained as well as implementation of quality & process control programs.
This product has been successfully been glazed using 3M™ VHB™ Structural Glazing Tape or traditional double sided tape & structural silicone.
If the outdoor temperature is below 15ºC it is required that the assembled panels be kept in the warmer, controlled environment of the factory shop for 24 hours before exposing the panel to colder site temperatures.

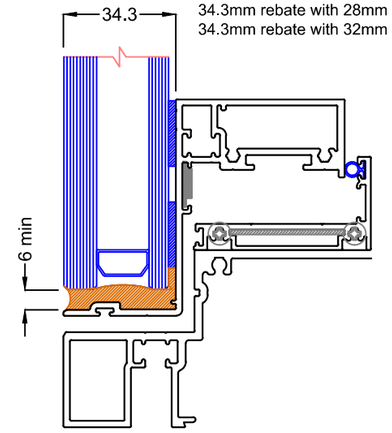
Note:
The use of 4 sided structural glazing requires great attention to detail in the glazing of frames.
An instructional fabricators manual is available that gives an overview of both procedures however glazing methodology, glass cover & silicone bite should be referred to tape and silicone suppliers for suitability to the application.

Glazing Method for Max SG182 Framing

The following chart has been prepared to depict suggested tape combinations for U-Max Structural Glazed framing.
Note that glass deduction sizes vary between glazing methods ie: structural silicone glazing & VHB tape.
Note that the overall of frame & glass should be 150mm in combinations of IGU & tape as detailed below.
This size is critical to the system operating within sub heads & sub sills as detailed.



40mm rebate with 34mm IGU & Norseal 900 4.8mm
40mm rebate with 32mm IGU & Norseal 900 6.4mm



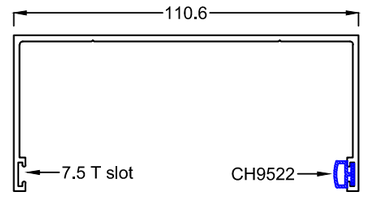
34.3mm rebate with 28mm IGU with 6.4mm Tape
34.3mm rebate with 32mm IGU with 2.3mm VHB Tape

Max SG182 Structural Glazed	Glass thickness	Example	Rebate Tape
	32mm	10/12/10	Norseal V900 Tape 12 x 6.4
	34mm	13.52/14/10	Norseal V900 Tape 12 x 4.8
	36mm	13.52/12/13.52	3M VHB Tape 18 x 2.3mm
	C9832 Structural Glazed Sash (34.5 Rebate)		
	28mm	10/12/6	Norseal V900 Tape 12 x 6.4
	32mm	10/12/10	3M VHB Tape 18 x 2.3mm

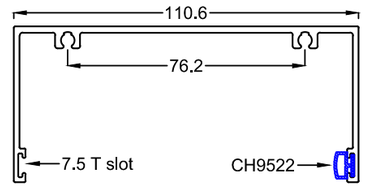
Max™ SUB FRAMING

Max Framing Systems: Sub Framing - 1

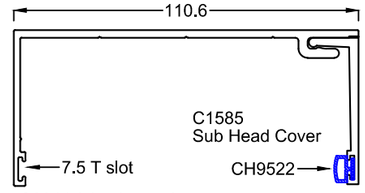
100 Sub Framing Extrusion ID



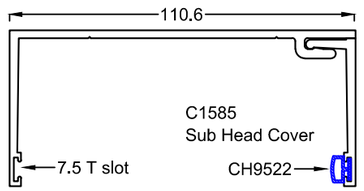
C1303
100 x 50 Sub Head



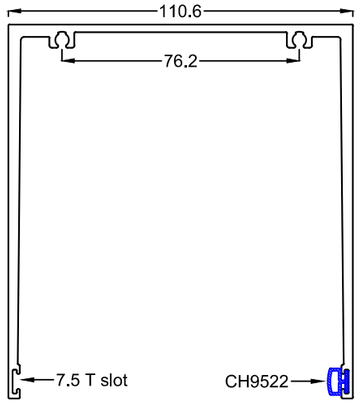
C3413
100 x 50 Sub Head with screw flutes
(Suit Sub Jamb)



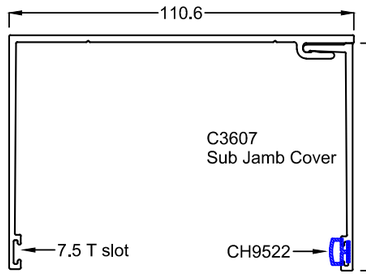
C6244 (phasing out)
100 x 50 Light 2 part Sub Head Jamb



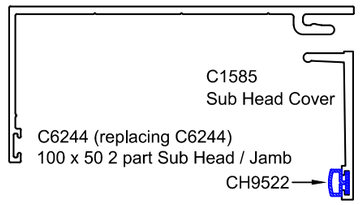
C1590
100 x 50 HD 2 part Sub Head / Jamb

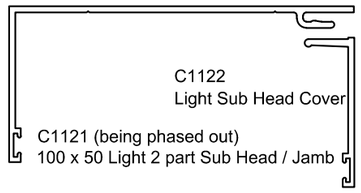


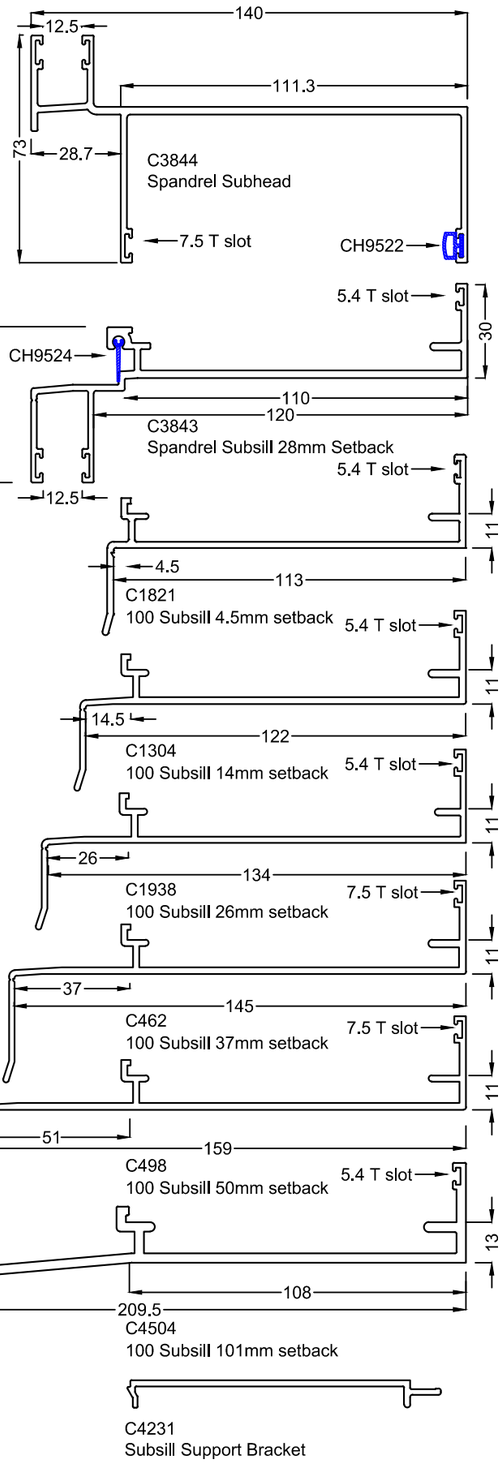
C3605
100 x 120 Sub Head

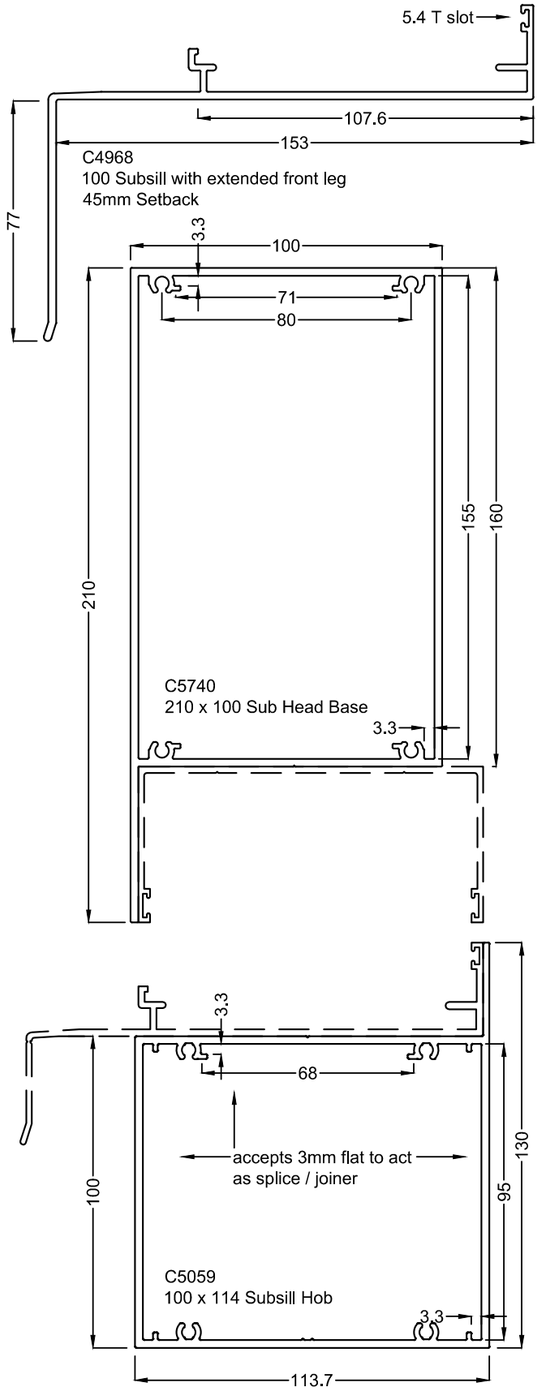


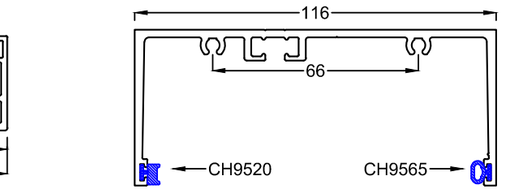
C3606
100 x 75 Sub Jamb



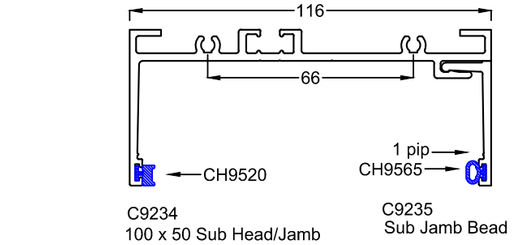






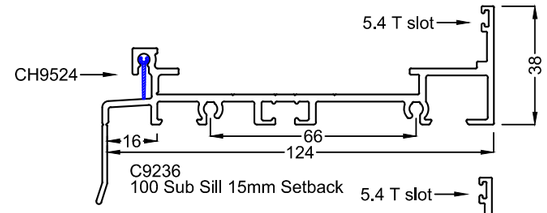


C9233
100 x 50 Sub Head

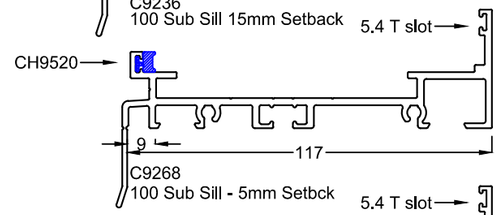


C9234
100 x 50 Sub Head/Jamb

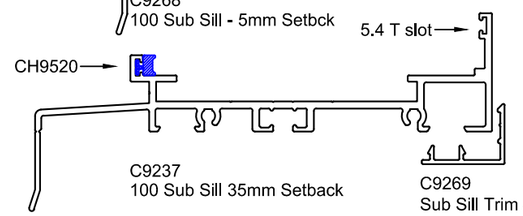
C9235
Sub Jamb Bead



C9236
100 Sub Sill 15mm Setback

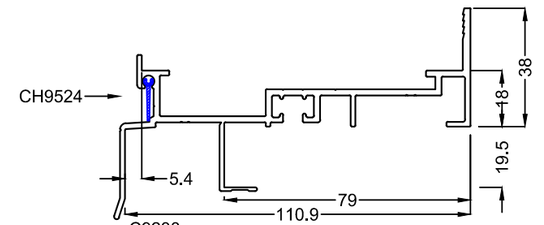


C9268
100 Sub Sill - 5mm Setbck



C9237
100 Sub Sill 35mm Setback

C9269
Sub Sill Trim Adaptor

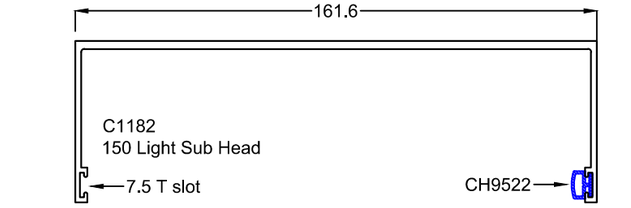


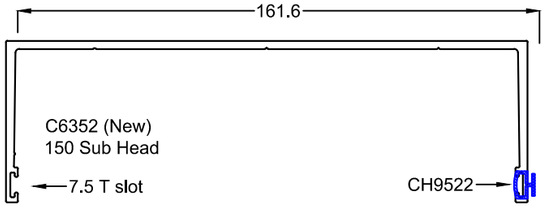
C9238
100 Nailing Fin Subsill

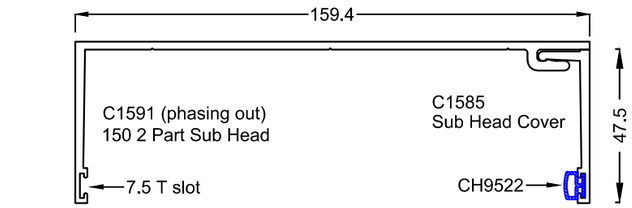
Max™ SUB FRAMING

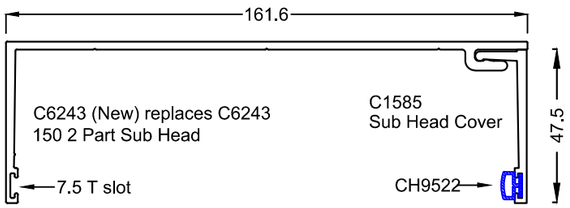
Max Framing Systems: Sub Framing - 2

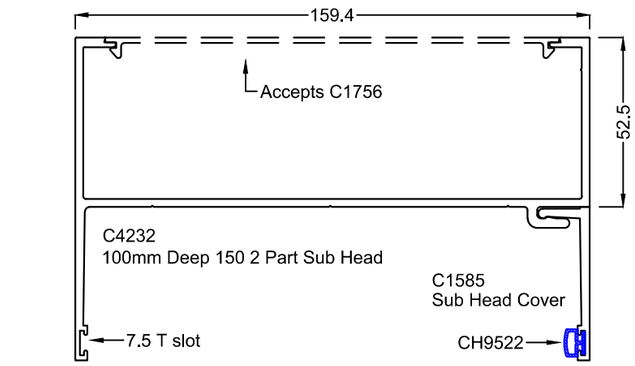
150 Sub Framing Extrusion ID

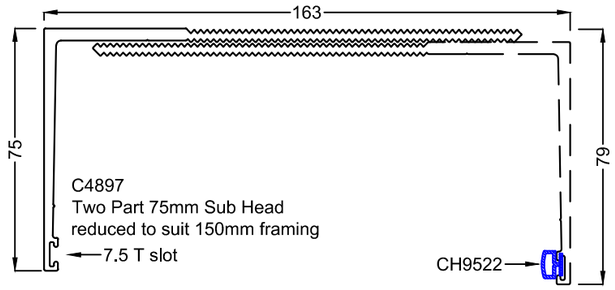


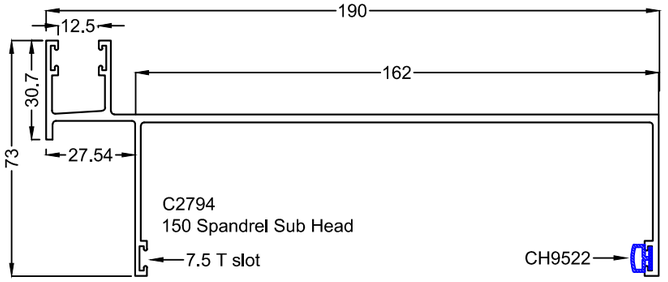


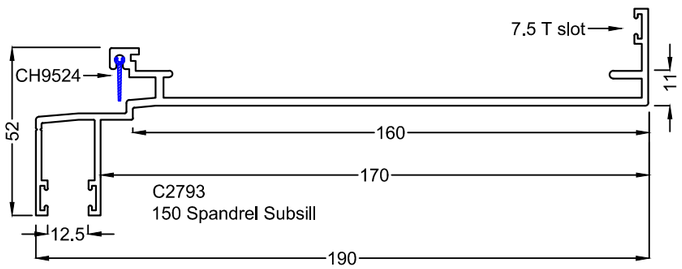


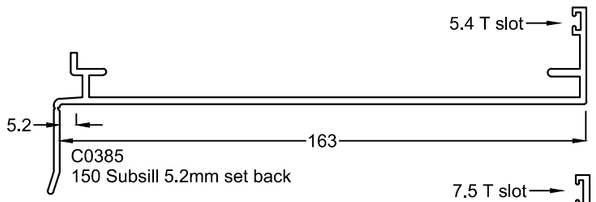


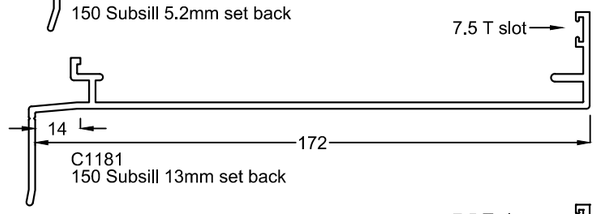


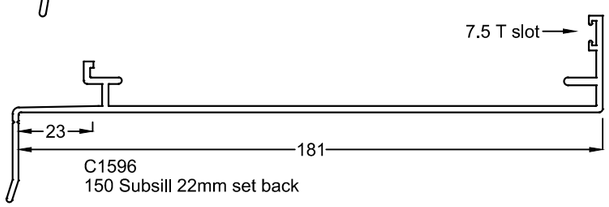


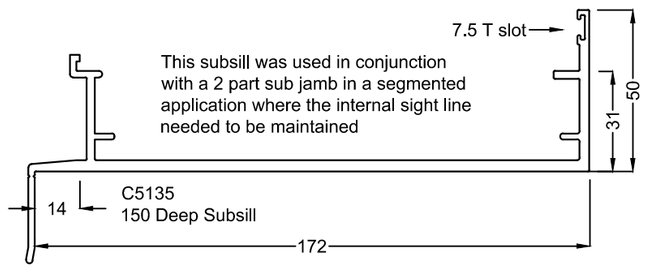










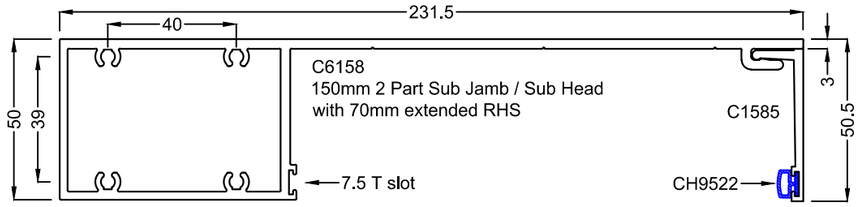


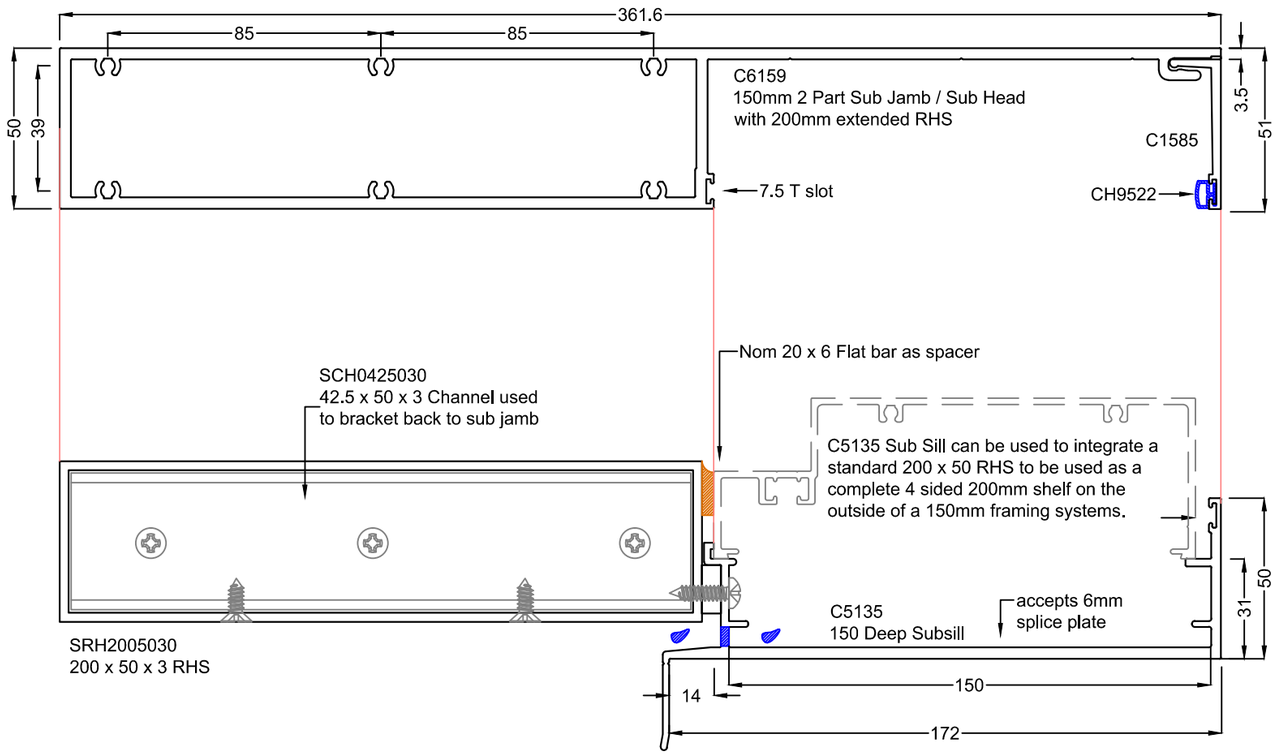
Max™ SUB FRAMING

Max Framing Systems: Sub Framing - 3

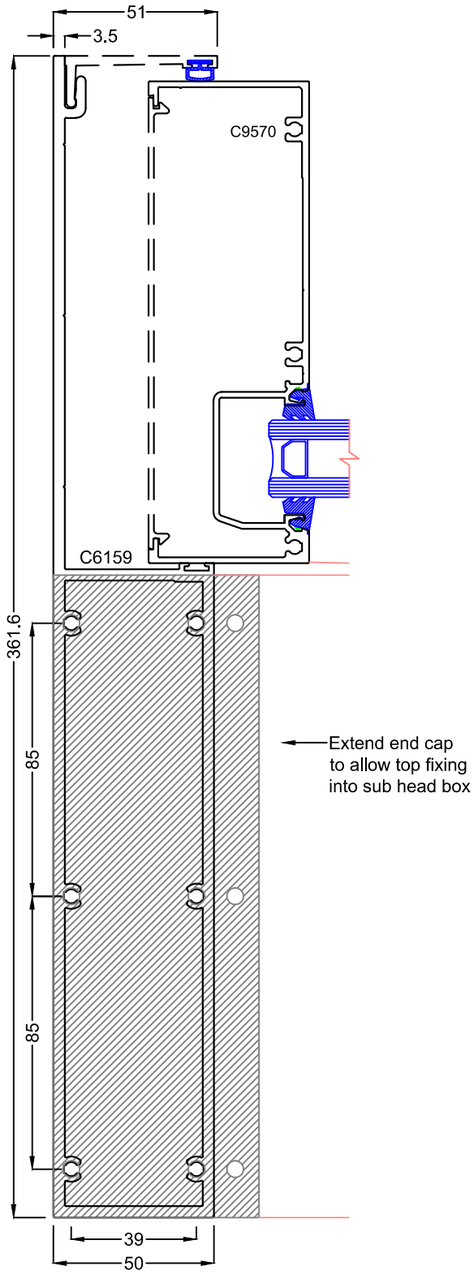
Feature Fin Sub Heads / Sub Jambs Extrusion ID

The following extrusions can for an external feature fin or shelf on the face of a frame & can be used as sub jambs & or sub heads.

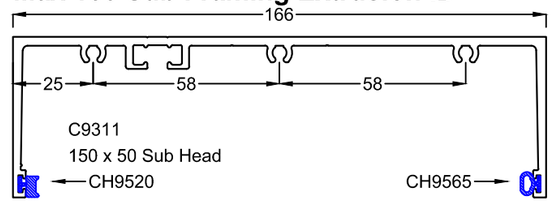


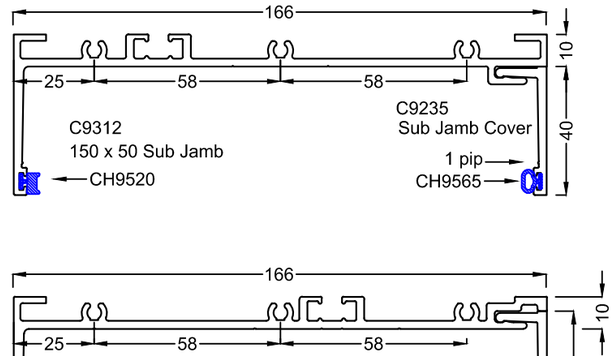


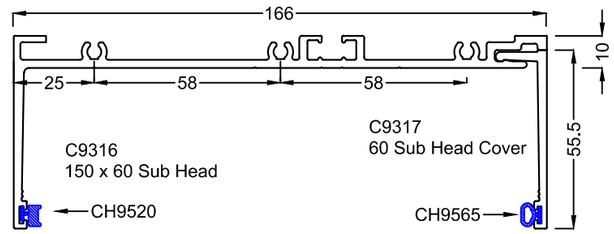
Feature Fin Sub Head

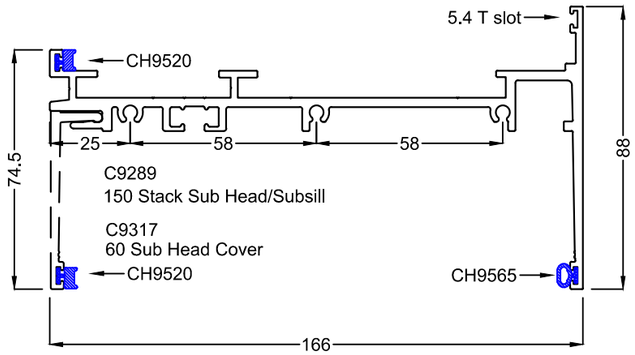


Max 150 Sub Framing Extrusion ID





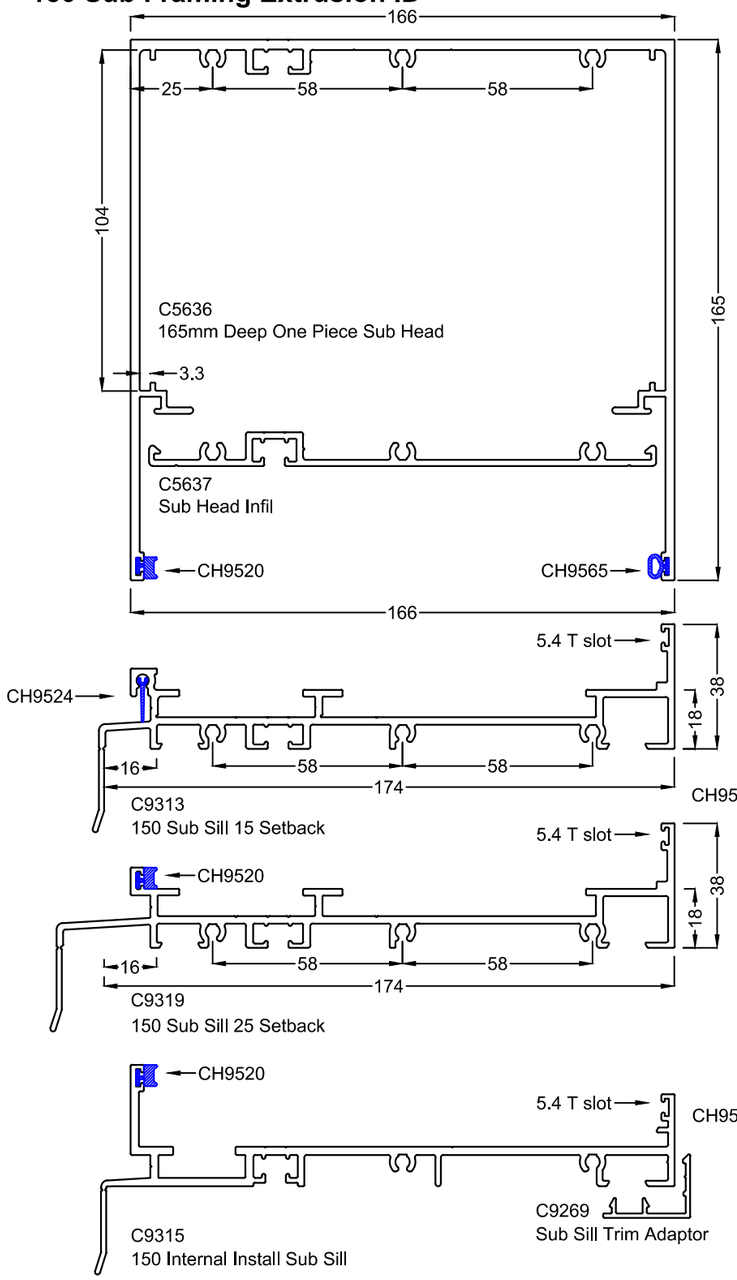


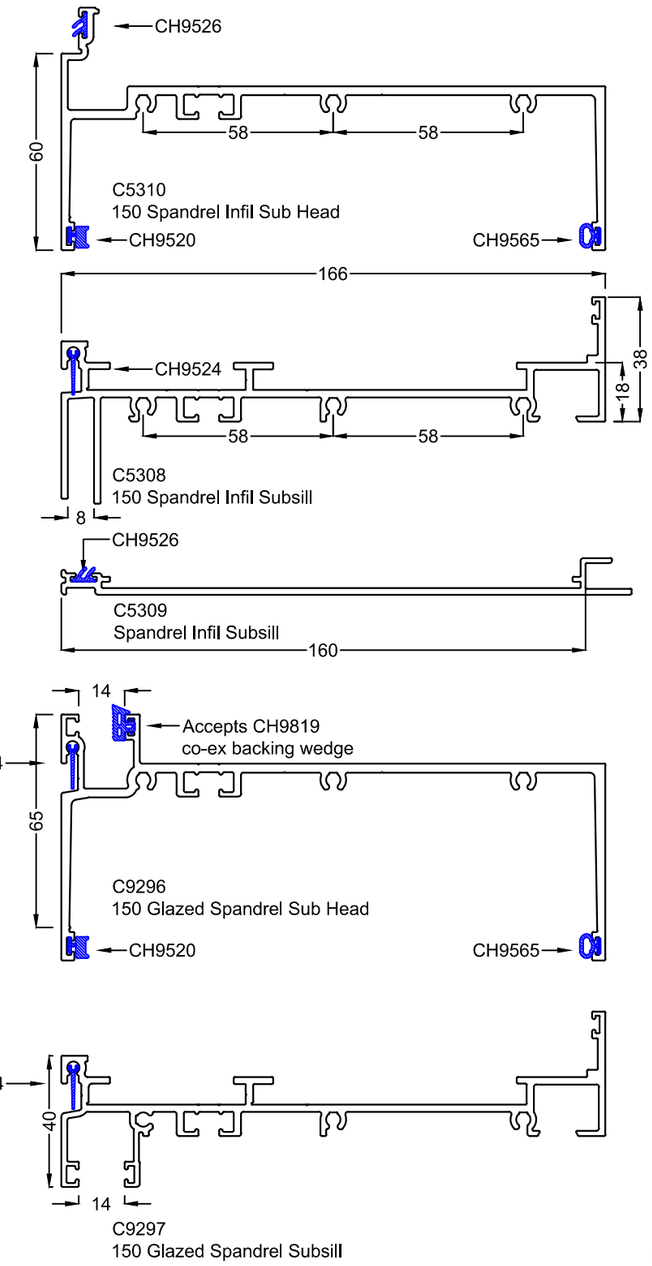


Max™ SUB FRAMING

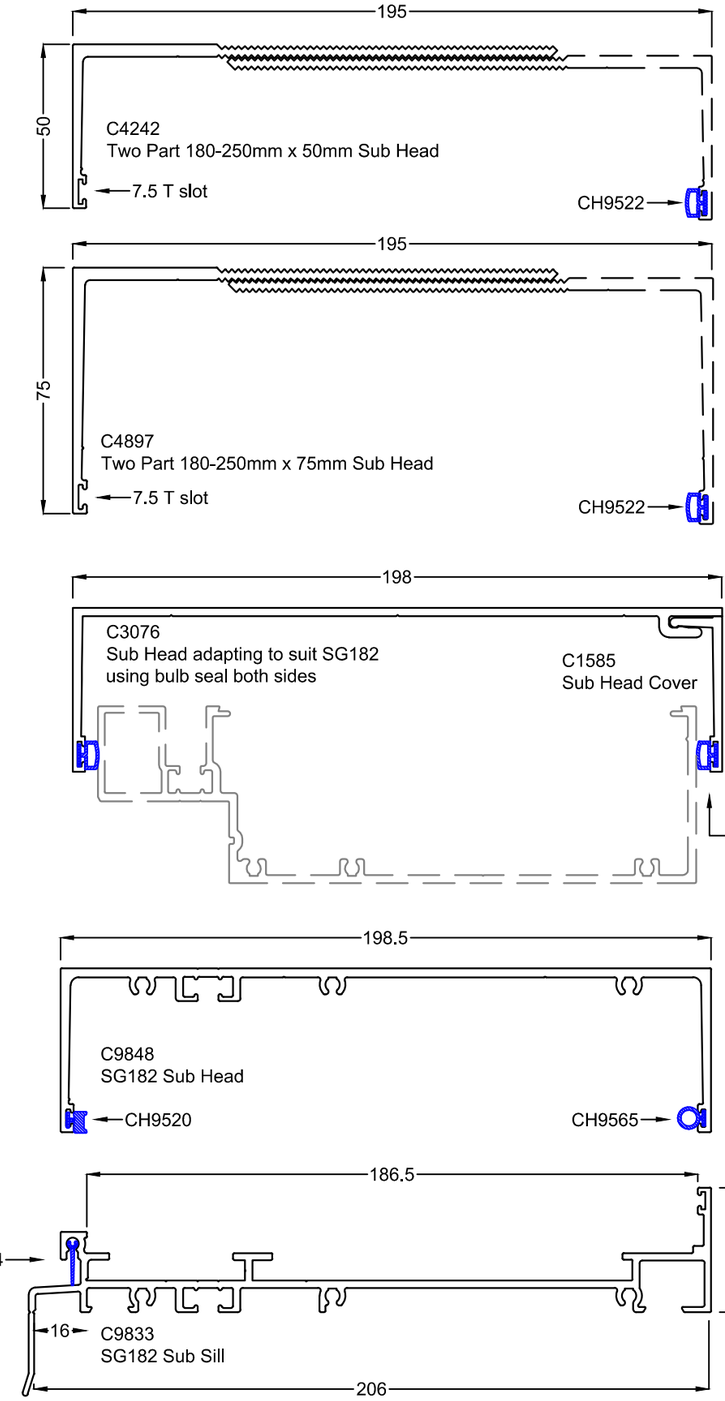
Max Framing Systems: Sub Framing - 4

150 Sub Framing Extrusion ID





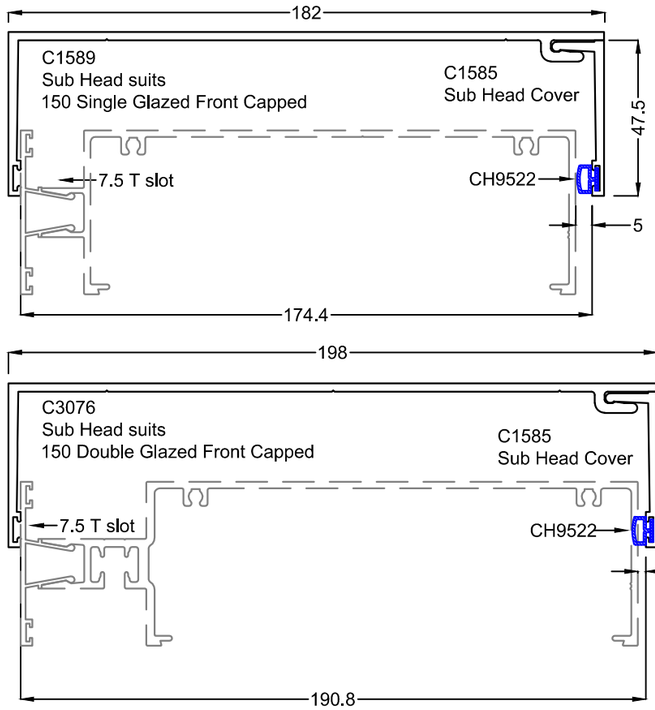
SG182 Sub Framing Extrusion ID



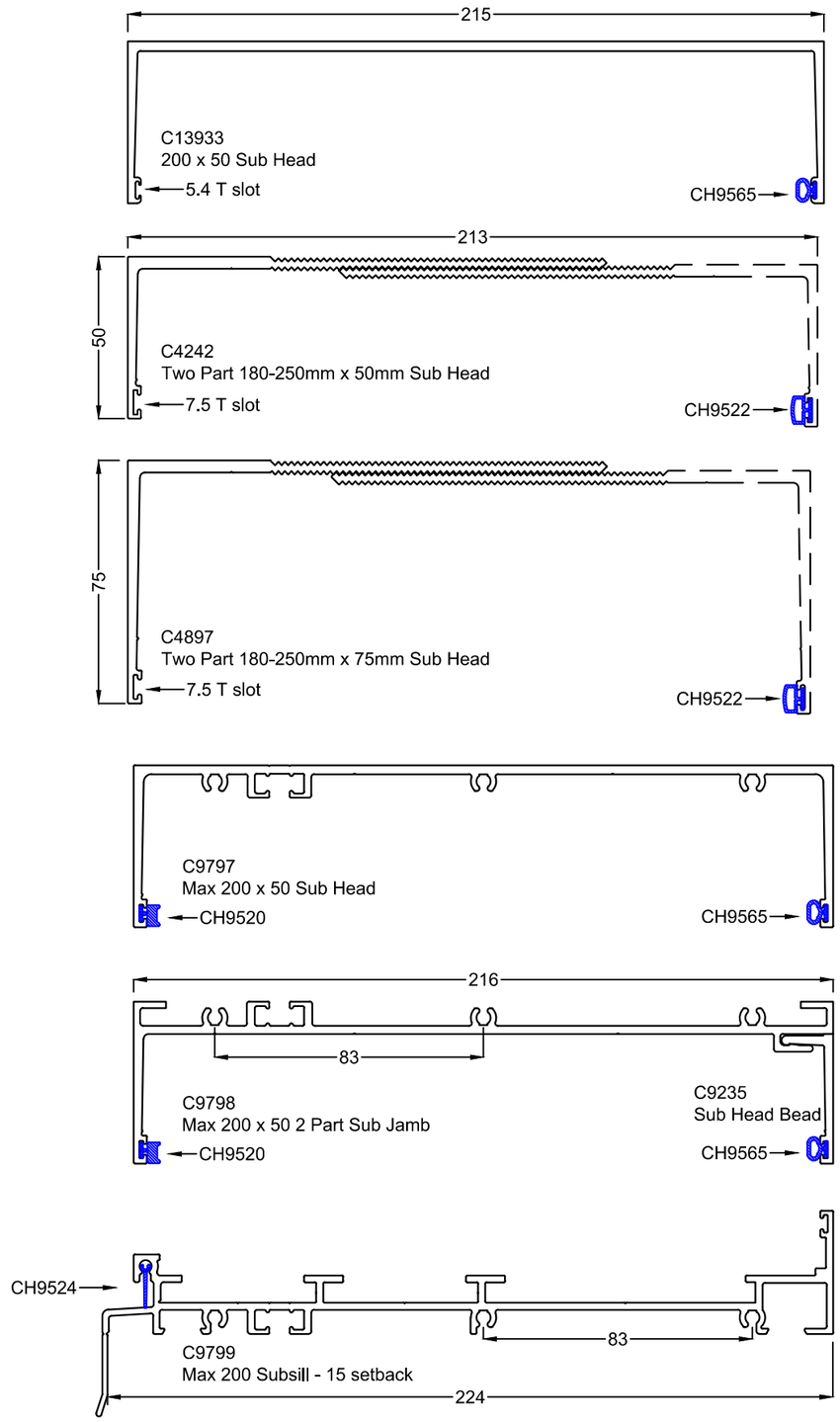
Max™ SUB FRAMING

Max Framing Systems: Sub Framing - 5

Sub Framing to Suit Front Capped suites Extrusion ID



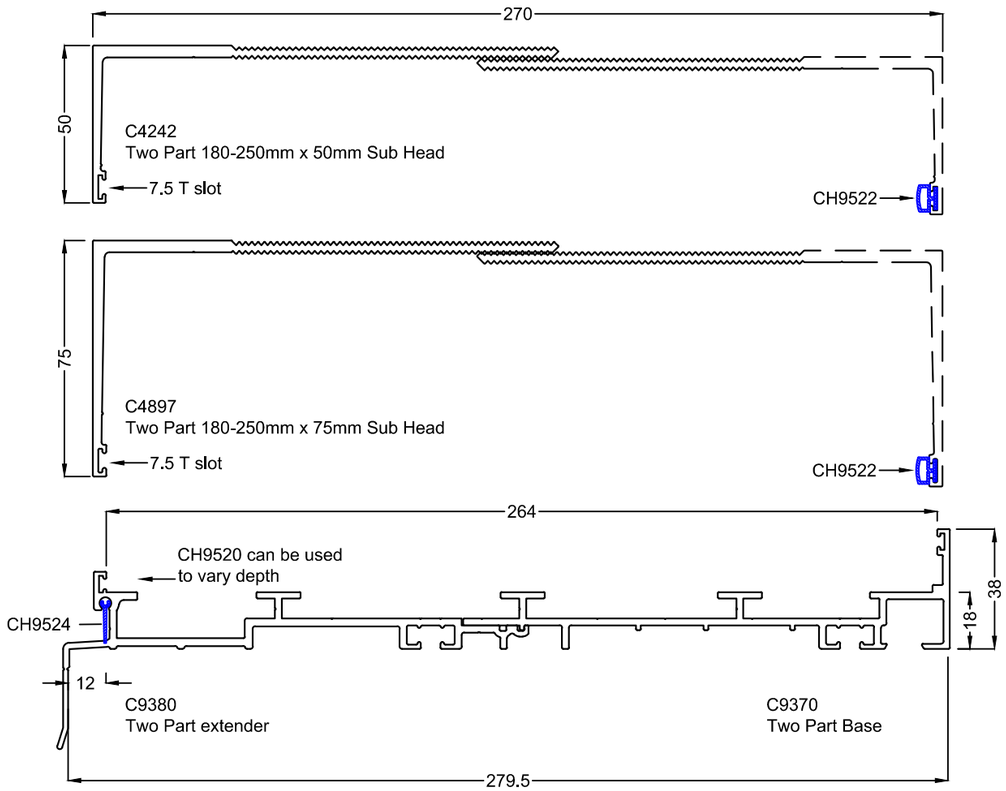
200 Sub Framing Extrusion ID



Max™ SUB FRAMING

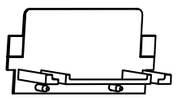
Max Framing Systems: Sub Framing - 6

Extendable Sub Framing Extrusion ID

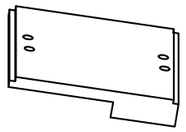


Component ID

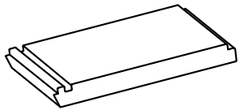
CHSE100
100 Subsill Stop end (non handed)



CH9570
Suit Max Subsills
100 Subsill Stop end (non handed)

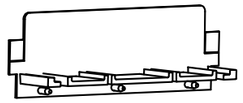


CH9573
100 Nailing Fin Subsill end cap



CH9595
Max Subsill support block

CHSE100
150 Subsill Stop end (non handed)



CH9571
Max 150 Subsill Stop end (non handed)

CH9520
SubFrame Seal
5.4 T slot, 4mm gap
Co-Ex, SANT

CH9565
SubFrame Seal
5.4 T slot, 4mm gap
Co-Ex, SANT

CH13NEW
Sash Bulb Seal
APRENE
5.4 T slot, 3mm gap

CH9522
Co-Ex Door Stop APRENE
7.5 T slot, 4mm gap

CH9524
Co-Ex Sub Sill Flap

CH9526
Expansion Seal SANT

CH9500
3mm wedge PVC

CH9501
4mm wedge PVC

CH9502
5mm wedge PVC

CH9503
7mm wedge PVC