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Please read in conjunction with Important Conditions – Index (also available on Capral website)

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IMPORTANT CONDITIONS

By using this manual you agree to the following:

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Technical Manual History

The table below is a summary of this manual's update history. Contact Capral for details of past updates.

RELEASE DATE	UPDATE SUMMARY
01-06-2012	New manual first release
01-10-2012	General updates
01-06-2014	Test Information Updates
01-02-2015	Test Information Updates
01-07-2018	Span tables updated
01-10-2019	Glazing rubber combinations updated

The table below shows the details of the latest manual update.

MANUAL RELEASE – 01-02-2020	
DESCRIPTION	AFFECTED PAGES
Foam Plug replaced with 322026 Packet Filler	4.1 ~ 6.3 ~ 9.3

Features & Benefits



-
- 150mm x 50mm Frame
 - Single Glazed Options (up to 14mm)
 - External & Internal glazing options
 - Exclusively designed components to improve the system's performance and function
 - NATA tested to Australian Standards (AS2047)
 - Window Energy Rating Scheme (WERS) data available; www.wers.net
 - Serviceability Limit State (SLS)
Pressures up to 4500Pa*
 - Ultimate Limit State (ULS)
Pressures up to 10900Pa*
 - Water Performance up to 900Pa*
 - Compatible with
 - 200 Series Door
 - 275 Series Door
 - 889 Sliding Door
 - 900 Sliding Door
 - 35 & 50 Series Windows
 - Euro

* Refer to Section 2 for specific details and limitations

Product Specifications

SIZE LIMITATIONS

Mullion Height		Mullion Spacing	
Minimum:	600mm	Minimum:	600mm
Maximum:	4000mm	Maximum:	2200mm
Transom Width		Transom Spacing	
Minimum:	600mm	Minimum:	300mm
Maximum:	3000mm	Maximum:	2000mm

NOTE: Refer to the information below & Span Tables to check the maximum sizes that can be achieved for the assigned performance requirements of the installation.

SERVICEABILITY PRESSURE & WATER PERFORMANCE

The Serviceability Pressures listed in the Span Tables have not been limited by a water performance. Where water performance is necessary the product should be limited to the following maximum water ratings or serviceability pressures:

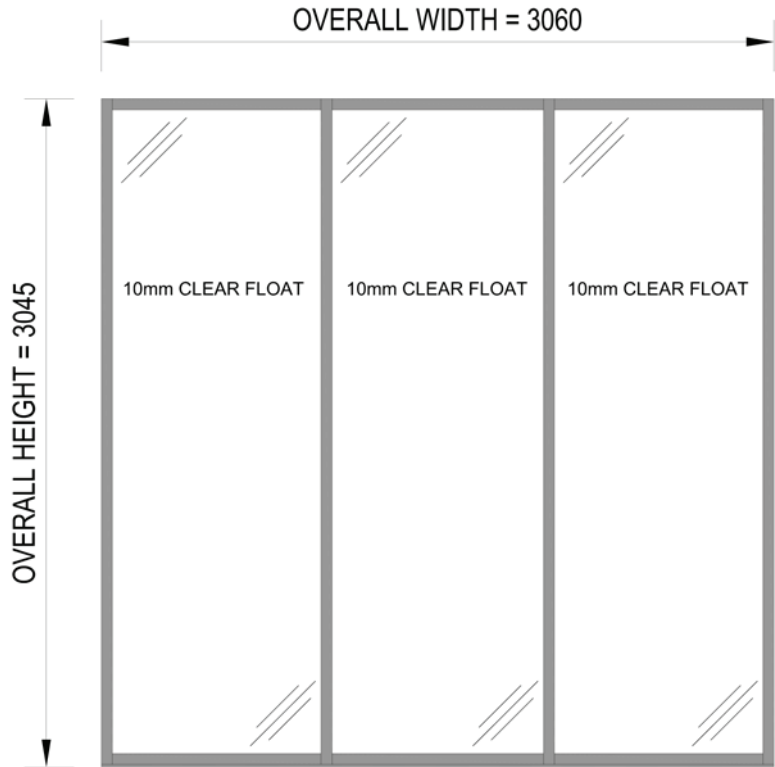
Configuration	Sill	Transom	Max. Water Rating (Pa)	Max. Serviceability Pressure (Pa) (Max. Water Rating / 30%)
F·F·F	EP0274 / EP0273	N/A	300	1000
F·F	EP0273 / EP12765	N/A	910	3033
F/F	EP0273 / EP12765	EP0273 / EP0274 / EP0273	904	3013
F/F (Internal Bead)	EP0273 / EP12765	EP0273 / EP0274 / EP0273	904	3013

Note: The use of a standard Subsill has been assumed for the Water Performance Ratings listed above

Test Report Summary

STRUCTURAL & WATER - TEST REPORT NUMBER: 9708S4

Performed by: Ian Bennie & Associates, Victoria – January, 1998
 Test Drawing Number: 600T-001



Configuration: F.F.F
 Glass: 10mm Float
 Bead / Glazing : External Bead / Glazing Wedge & Glazing Wedge

Approved to Standard: AS4420-1996 (as called up by AS2047-1999)

DEFLECTION TEST RESULTS:

	+ Test Pressure	- Test Pressure
Coupled Mullion: EP0274 / EP0272 (2945mm Span)	1410Pa (Span/259)	1610Pa (Span/250)

AIR INFILTRATION RESULTS:

0.12L/s.m² @ 75Pa Positive Test Pressure
 0.13L/s.m² @ 75Pa Negative Test Pressure

Achieved Air Conditioned Rating

WATER PENETRATION RESULTS:

Sill: EP0273 / EL5560 / EN5328

300Pa Pressure for a period of 15mins

ULTIMATE STRENGTH RESULTS:

+ Test Pressure	- Test Pressure
2600Pa	2600Pa

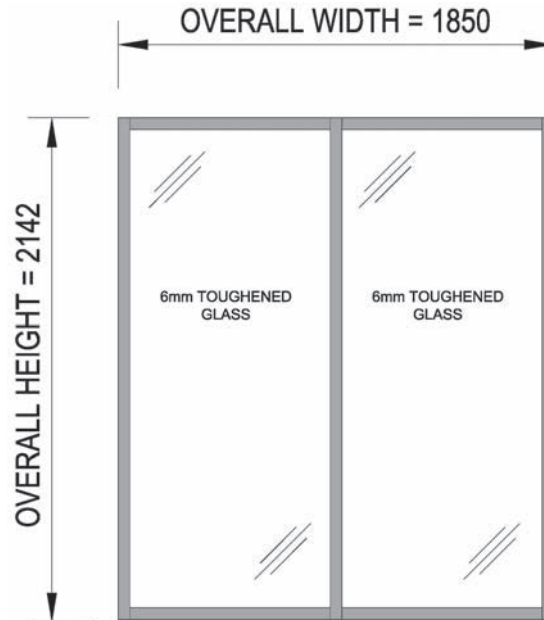
Please read in conjunction with Important Conditions – Index (also available on Capral website)

Test Report Summary

STRUCTURAL & WATER - TEST REPORT NUMBER: C014-013

Performed by: Capral Mechanical Test Laboratory – March, 2014

Test Drawing Number: 31-724



Configuration: F·F

Glass: 6mm Toughened Glass

Bead / Glazing : External Reinforced Bead / Co Extruded Captive Glazing Wedge & Glazing Wedge

Approved to Standard: AS4420-1996 (as called up by AS2047-1999)

DEFLECTION TEST RESULTS:

Coupled Mullion: EP0274 / EP0272 (2070mm Span)	+ Test Pressure	- Test Pressure
	4506Pa (Span/219)	4476Pa (Span/266)

AIR INFILTRATION RESULTS:

0.06L/s.m ² @ 75Pa Positive Test Pressure	Achieved Air Conditioned Rating
0.03L/s.m ² @ 75Pa Negative Test Pressure	

WATER PENETRATION RESULTS:

Sill: EP0273 / EP12765 / EN5328	910Pa Pressure for a period of 15mins
---------------------------------	---------------------------------------

ULTIMATE STRENGTH RESULTS:

+ Test Pressure	- Test Pressure
7617Pa	7670Pa

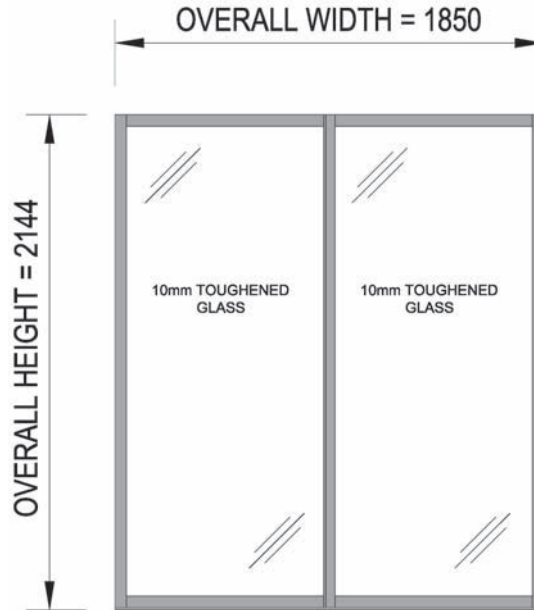
Please read in conjunction with Important Conditions – Index (also available on Capral website)

Test Report Summary

STRUCTURAL & WATER - TEST REPORT NUMBER: C014-014

Performed by: Capral Mechanical Test Laboratory – March, 2014

Test Drawing Number: 31-725



Configuration: F·F

Glass: 10mm Toughened Glass

Bead / Glazing : External Reinforced Bead / Co Extruded Captive Glazing Wedge & Glazing Wedge

Approved to Standard: AS4420-1996 (as called up by AS2047-1999)

DEFLECTION TEST RESULTS:

Split Mullion: EL5561 / EL5561 (2078mm Span)	+ Test Pressure	- Test Pressure
	4519Pa (Span/438)	4557Pa (Span/500)

AIR INFILTRATION RESULTS:

0.07L/s.m² @ 75Pa Positive Test Pressure Achieved Air Conditioned Rating
 0.06L/s.m² @ 75Pa Negative Test Pressure

WATER PENETRATION RESULTS:

Sill: EP0273 / EP12765 / EN5328 903Pa Pressure for a period of 15mins

ULTIMATE STRENGTH RESULTS:

+ Test Pressure	- Test Pressure
10900Pa	10903Pa

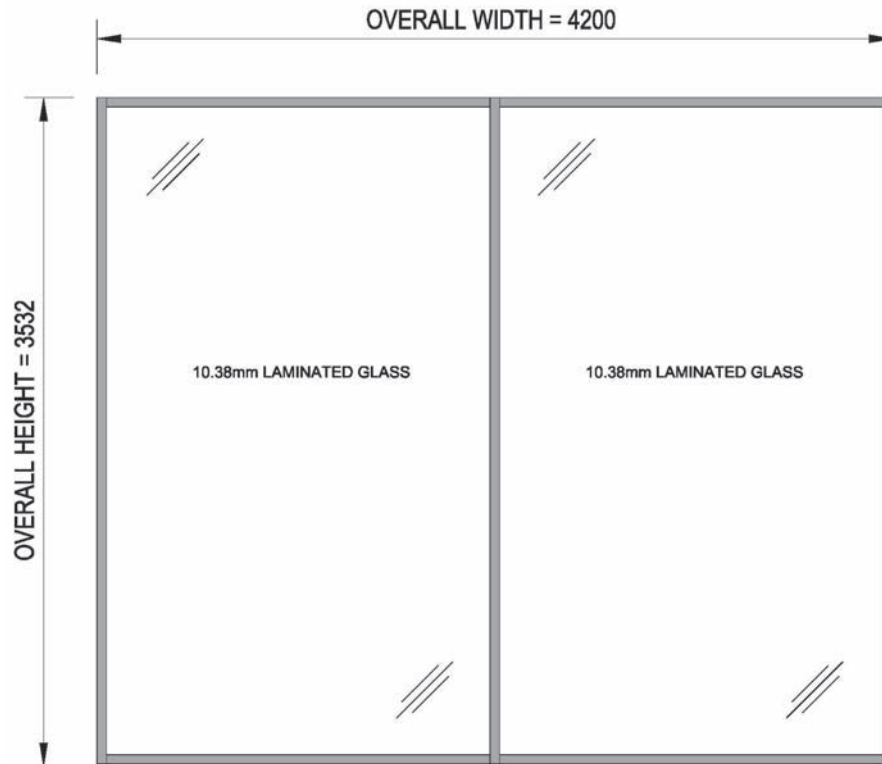
Please read in conjunction with Important Conditions – Index (also available on Capral website)

Test Report Summary

STRUCTURAL & WATER - TEST REPORT NUMBER: C014-015

Performed by: Capral Mechanical Test Laboratory – March, 2014

Test Drawing Number: 31-726



Configuration: F-F

Glass: 10.38mm Laminated Glass

Bead / Glazing : External Reinforced Bead / Co Extruded Captive Glazing Wedge & Glazing Wedge

Approved to Standard: AS4420-1996 (as called up by AS2047-1999)

DEFLECTION TEST RESULTS:

	+ Test Pressure	- Test Pressure
Coupled Mullion: EP0274 / EP0272	650Pa	650Pa
(3438mm Span)	(Span/213)	(Span/229)

AIR INFILTRATION RESULTS:

0.93*L/s.m² @ 75Pa Positive Test Pressure Achieved Air Conditioned Rating
 0.95*L/s.m² @ 75Pa Negative Test Pressure

* - As sample was extremely large and the recorded "Unsealed figures" met air conditioned rating "Sealed figures" were not recorded.

WATER PENETRATION RESULTS:

Sill: EP0273 / EP12765 / EN5328 454Pa Pressure for a period of 15mins

ULTIMATE STRENGTH RESULTS:

+ Test Pressure	- Test Pressure
1265Pa	1252Pa

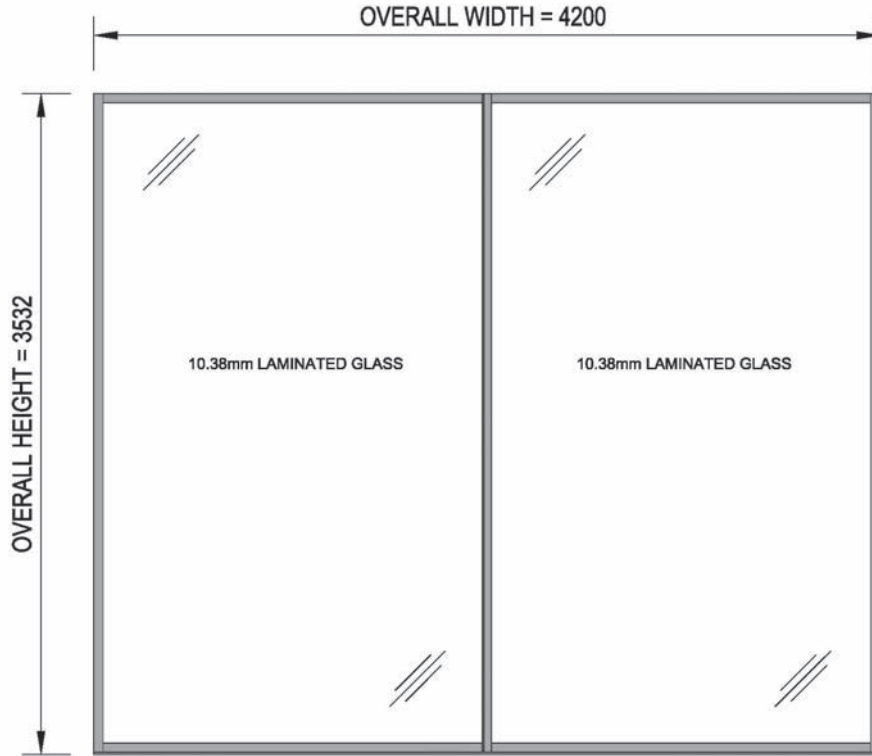
Please read in conjunction with Important Conditions – Index (also available on Capral website)

Test Report Summary

STRUCTURAL & WATER - TEST REPORT NUMBER: C014-016

Performed by: Capral Mechanical Test Laboratory – March, 2014

Test Drawing Number: 31-727



Configuration: F-F

Glass: 10.38mm Laminated Glass

Bead / Glazing : External Reinforced Bead / Co Extruded Captive Glazing Wedge & Glazing Wedge

Approved to Standard: AS4420-1996 (as called up by AS2047-1999)

DEFLECTION TEST RESULTS:

	+ Test Pressure	- Test Pressure
Split Mullion: EL5561 / EL5561	1012Pa	1005Pa
(3438mm Span)	(Span/261)	(Span/267)

AIR INFILTRATION RESULTS:

0.90*L/s.m² @ 75Pa Positive Test Pressure Achieved Air Conditioned Rating
 0.90*L/s.m² @ 75Pa Negative Test Pressure
 * - As sample was extremely large and the recorded "Unsealed figures" met air conditioned rating "Sealed figures" were not recorded.

WATER PENETRATION RESULTS:

Sill: EP0273 / EP12765 / EN5328 907Pa Pressure for a period of 15mins

ULTIMATE STRENGTH RESULTS:

+ Test Pressure	- Test Pressure
1825Pa	1814Pa

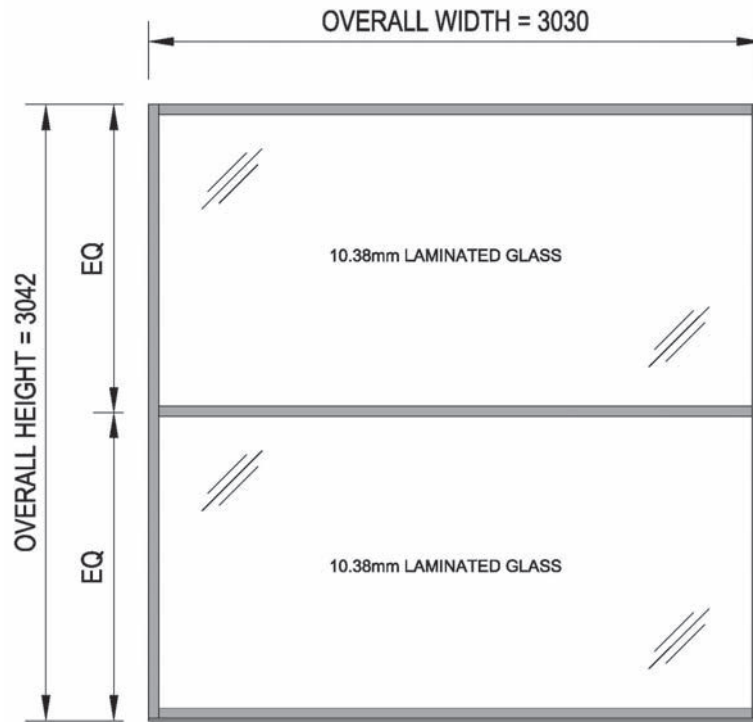
Please read in conjunction with Important Conditions – Index (also available on Capral website)

Test Report Summary

STRUCTURAL & WATER - TEST REPORT NUMBER: C014-056

Performed by: Capral Mechanical Test Laboratory – October, 2014

Test Drawing Number: 31-775



Configuration: F/F

Glass: 10.38mm Laminated Glass

Bead / Glazing : External Reinforced Bead / Co Extruded Captive Glazing Wedge & Glazing Wedge

Approved to Standard: AS4420-1996 (as called up by AS2047-1999)

DEFLECTION TEST RESULTS:

Transom: EP12765 / EP0274 / EP0273
(2918mm Span)

+ Test Pressure
1464Pa
(Span/250)

- Test Pressure
1474Pa
(Span/257)

AIR INFILTRATION RESULTS:

0.16L/s.m² @ 75Pa Positive Test Pressure
0.23L/s.m² @ 75Pa Negative Test Pressure

Achieved Air Conditioned Rating

WATER PENETRATION RESULTS:

Sill: EP0273 / EP12765 / EN5328
Transom: EP12765 / EP0274 / EP0273

904Pa Pressure for a period of 15mins

ULTIMATE STRENGTH RESULTS:

+ Test Pressure
1864Pa

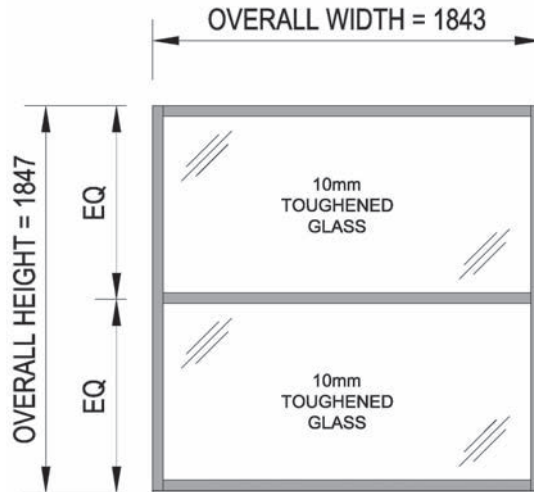
- Test Pressure
1867Pa

Please read in conjunction with Important Conditions – Index (also available on Capral website)

Test Report Summary

STRUCTURAL & WATER - TEST REPORT NUMBER: C014-074

Performed by: Capral Mechanical Test Laboratory – November, 2014
 Test Drawing Number: 31-792



Configuration: F/F

Glass: 10mm Toughened Glass

Bead / Glazing : Internal Reinforced Bead / Co Extruded Captive Glazing Wedge & Glazing Wedge

Approved to Standard: AS4420-1996 (as called up by AS2047-2014)

DEFLECTION TEST RESULTS:

Transom: EP12765 / EP0274 / EP0273
 (1733mm Span)

+ Test Pressure
 4502Pa
 (Span/519)

- Test Pressure
 4515Pa
 (Span/490)

AIR INFILTRATION RESULTS:

0.54L/s.m² @ 75Pa Positive Test Pressure
 0.49L/s.m² @ 75Pa Negative Test Pressure

Achieved Low Air Infiltration Rating

WATER PENETRATION RESULTS:

Sill: EP0273 / EP12765 / EN5328
 Transom: EP12765 / EP0274 / EP0273

904Pa Pressure for a period of 15mins

ULTIMATE STRENGTH RESULTS:

+ Test Pressure
 9074Pa

- Test Pressure
 9005Pa

Span Table

MULLION - EP0274 / EP0272



Notes:

Serviceability pressures have been limited to a maximum Serviceability Pressure of 4500Pa.

Serviceability pressures have not been limited by a water performance. Where water performance is necessary, refer to Product Specifications page.

* Indicates the "Braced Bead" (EP12765) should be used.

Mullion Height (mm)		Maximum Design Pressure (kPa)								
4000	S (L/250)	0.823	0.694	0.603	0.536	0.485	0.445	0.413		
	U	1.808	1.521	1.318	1.169	1.055	0.966	0.895		
3850	S (L/250)	0.925	0.780	0.679	0.604	0.547	0.503	0.468		
	U	1.955	1.646	1.428	1.267	1.145	1.050	0.975		
3700	S (L/250)	1.045	0.882	0.768	0.684	0.621	0.572	0.534		
	U	2.120	1.787	1.552	1.379	1.248	1.146	1.066	*	
3550	S (L/250)	1.186	1.002	0.874	0.780	0.709	0.655	0.613		
	U	2.308	1.947	1.693	1.507	1.366	1.257	1.171	*	
3400	S (L/250)	1.354	1.146	1.001	0.895	0.815	0.755	0.708		
	U	2.523	2.130	1.855	1.653	1.501	1.385	1.294	*	
3250	S (L/250)	1.555	1.318	1.153	1.033	0.944	0.876	0.825		
	U	2.769	2.341	2.042	1.823	1.659	1.534	1.439	*	*
3100	S (L/250)	1.799	1.528	1.339	1.203	1.102	1.026	0.970	*	
	U	3.053	2.585	2.259	2.021	1.845	1.711	1.610	*	*
2950	S (L/250)	2.097	1.784	1.568	1.412	1.298	1.214	1.152	*	
	U	3.384	2.870	2.513	2.255	2.064	1.922	1.816	*	*
2800	S (L/250)	2.465	2.102	1.853	1.675	1.545	1.452	1.385	*	
	U	3.773	3.207	2.815	2.534	2.328	2.176	2.067	*	*
2650	S (L/250)	2.926	2.502	2.212	2.008	1.862	1.758	1.689	*	*
	U	4.234	3.607	3.176	2.869	2.648	2.489	2.380	*	*
2500	S (L/250)	3.510	3.012	2.674	2.439	2.274	2.163	2.093	*	*
	U	4.787	4.090	3.615	3.280	3.043	2.880	2.776	*	*
2350	S (L/250)	4.263	3.673	3.277	3.006	2.823	2.707	2.646	*	*
	U	5.458	4.680	4.155	3.791	3.542	3.380	3.293	*	*
2200	S (L/250)	4.500	4.500	4.081	3.772	3.574	3.463	3.428	*	*
	U	6.284	5.413	4.832	4.440	4.185	4.038	3.990	*	*
Mullion Spacing (mm)		1000	1200	1400	1600	1800	2000	2200		

LEGEND: S = Serviceability Pressure, U = Ultimate Pressure

NOTE: This table is based on a combination of approved AS2047 testing data and theoretical section properties. A maximum stress level of 110Mpa has been applied generating this table.

Span Table

SPLIT MULLION - EL5561 / EL5561



Notes:

Serviceability pressures for have been limited to a maximum Serviceability Pressure of 4500Pa.

Serviceability pressures have not been limited by a water performance. Where water performance is necessary, refer to Product Specifications page.

* Indicates the "Braced Bead" (EP12765) should be used.

Mullion Height (mm)		Maximum Design Pressure (kPa)											
4000	S (L/250)	1.298	1.094	0.950	0.844	0.764	0.701	0.652					
	U	2.578	2.169	1.880	1.667	1.504	1.377	*	1.276	*			
3900	S (L/250)	1.403	1.183	1.028	0.914	0.828	0.761		0.708				
	U	2.715	2.285	1.982	1.759	1.588	1.455	*	1.350	*			
3800	S (L/250)	1.518	1.281	1.114	0.992	0.899	0.828		0.771				
	U	2.863	2.411	2.093	1.858	1.680	1.541	*	1.431	*			
3700	S (L/250)	1.648	1.391	1.211	1.079	0.979	0.902		0.842				
	U	3.024	2.548	2.213	1.967	1.780	*	1.635	*	1.520	*		
3600	S (L/250)	1.792	1.514	1.319	1.177	1.069	0.986		0.922				
	U	3.199	2.697	2.344	2.085	*	1.889	*	1.737	*	1.618	*	
3500	S (L/250)	1.953	1.652	1.441	1.286	1.171	1.082	*	1.013	*			
	U	3.390	2.860	2.488	2.215	*	2.009	*	1.850	*	1.726	*	
3400	S (L/250)	2.135	1.807	1.578	1.411	1.285	1.190	*	1.116	*			
	U	3.598	3.038	2.645	2.358	*	2.141	*	1.975	*	1.846	*	
3300	S (L/250)	2.340	1.982	1.733	1.552	1.416	1.313	*	1.235	*			
	U	3.826	3.234	*	2.819	*	2.515	*	2.288	*	2.113	*	
3200	S (L/250)	2.572	2.182	1.910	1.713	1.566	1.455	*	1.371	*			
	U	4.077	*	3.449	*	3.010	*	2.690	*	2.450	*	2.268	*
3100	S (L/250)	2.837	2.409	2.112	1.897	1.738	*	1.618	*	1.529	*		
	U	4.354	*	3.687	*	3.221	*	2.883	*	2.631	*	2.440	*
3000	S (L/250)	3.139	2.669	2.343	2.109	*	1.936	*	1.808	*	1.713	*	
	U	4.661	*	3.951	*	3.457	*	3.099	*	2.833	*	2.634	*
2900	S (L/250)	3.486	2.969	2.611	2.354	*	2.167	*	2.029	*	1.929	*	
	U	5.001	*	4.245	*	3.720	*	3.341	*	3.062	*	2.854	*
2800	S (L/250)	3.887	3.315	*	2.921	*	2.641	*	2.437	*	2.289	*	
	U	5.381	*	4.574	*	4.015	*	3.613	*	3.320	*	3.104	*
2700	S (L/250)	4.352	*	3.719	*	3.284	*	2.976	*	2.755	*	2.597	*
	U	5.807	*	4.943	*	4.348	*	3.922	*	3.614	*	3.391	*
2600	S (L/250)	4.500	*	4.191	*	3.711	*	3.373	*	3.133	*	2.966	*
	U	6.285	*	5.360	*	4.725	*	4.274	*	3.951	*	3.722	*
Mullion Spacing (mm)		1000	1200	1400	1600	1800	2000	2200					

LEGEND: S = Serviceability Pressure, U = Ultimate Pressure

NOTE: This table is based on a combination of approved AS2047 testing data and theoretical section properties. A maximum stress level of 110Mpa has been applied generating this table.

Span Table

TRANSMOM - EP0274 / EP0273



Note:

Serviceability pressures have been limited to a maximum Serviceability Pressure of 4500Pa.

Serviceability pressures have not been limited by water performance. Where water performance is necessary, refer to Product Specifications page.

As lowlight mullions under transom are assumed, no consideration has been given to the deadload component of loading.

* Indicates the "Braced Bead" (EP12765) should be used.

Transom Spacing (mm)		Maximum Design Pressure (kPa)							
2000	S (L/250)	4.500 *	4.500 *	4.342 *	2.805 *	1.906 *	1.362 *	1.011 *	
	U	9.000 *	6.481 *	4.342 *	3.105 *	2.355 *	1.859 *	1.510 *	
1950	S (L/250)	4.500 *	4.500 *	4.346 *	2.824 *	1.927 *	1.381 *	1.027 *	
	U	9.000 *	6.481 *	4.346 *	3.129 *	2.383 *	1.886 *	1.536 *	
1900	S (L/250)	4.500 *	4.500 *	4.358 *	2.847 *	1.950 *	1.401 *	1.044 *	
	U	9.000 *	6.481 *	4.358 *	3.158 *	2.415 *	1.917 *	1.563 *	
1850	S (L/250)	4.500 *	4.500 *	4.378 *	2.874 *	1.976 *	1.423 *	1.062 *	
	U	9.000 *	6.481 *	4.378 *	3.192 *	2.450 *	1.949 *	1.593 *	
1800	S (L/250)	4.500 *	4.500 *	4.406 *	2.906 *	2.005 *	1.448 *	1.082 *	
	U	9.000 *	6.481 *	4.406 *	3.230 *	2.488 *	1.985 *	1.624 *	
1750	S (L/250)	4.500 *	4.500 *	4.442 *	2.941 *	2.036 *	1.474 *	1.104 *	
	U	9.000 *	6.481 *	4.442 *	3.274 *	2.531 *	2.023 *	1.658 *	
1700	S (L/250)	4.500 *	4.500 *	4.486 *	2.981 *	2.071 *	1.502 *	1.127 *	
	U	9.000 *	6.489 *	4.486 *	3.323 *	2.577 *	2.064 *	1.695 *	
1650	S (L/250)	4.500 *	4.500 *	4.500 *	3.026 *	2.108 *	1.533 *	1.152 *	
	U	9.000 *	6.513 *	4.538 *	3.378 *	2.627 *	2.109 *	1.734 *	
1600	S (L/250)	4.500 *	4.500 *	4.500 *	3.076 *	2.150 *	1.566 *	1.179 *	
	U	9.000 *	6.551 *	4.600 *	3.438 *	2.682 *	2.157 *	1.777 *	
1550	S (L/250)	4.500 *	4.500 *	4.500 *	3.132 *	2.195 *	1.602 *	1.208 *	
	U	9.000 *	6.606 *	4.670 *	3.506 *	2.742 *	2.210 *	1.822 *	
1500	S (L/250)	4.500 *	4.500 *	4.500 *	3.194 *	2.244 *	1.642 *	1.239 *	
	U	9.000 *	6.676 *	4.750 *	3.580 *	2.807 *	2.266 *	1.871 *	
1450	S (L/250)	4.500 *	4.500 *	4.500 *	3.262 *	2.298 *	1.684 *	1.273 *	
	U	9.000 *	6.762 *	4.841 *	3.662 *	2.878 *	2.327 *	1.924 *	
1400	S (L/250)	4.500 *	4.500 *	4.500 *	3.337 *	2.357 *	1.731 *	1.310 *	
	U	9.000 *	6.866 *	4.942 *	3.751 *	2.955 *	2.394 *	1.982 *	
Transom Width (mm)		1500	1750	2000	2250	2500	2750	3000	

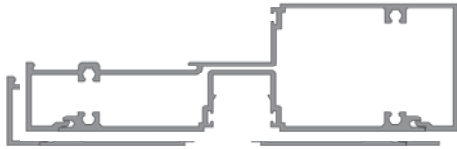
LEGEND: S = Serviceability Pressure, U = Ultimate Pressure

NOTE: This table is based on a combination of approved AS2047 testing data and theoretical section properties.

A maximum stress level of 110MPa has been applied when generating this table.

Maximum Glass Thickness Table - Deadload Assessment

TRANSOM - EP0274 / EP0273



Note:

Glass thickness has been limited to 10mm as dictated by the capacity of the suite.

These tables have been developed to assist Fabricators in making an assessment of the maximum glass thickness that the transom member can support before it is considered unstable (deflection & stress).

Wind load and human impact requirements are not included in the tables below. A glass thickness assessment for windload and human impact must still be completed in accordance with AS1288.

Height Above Transom (mm)	Maximum Glass Thickness with Support Blocks at 1/4 Points (mm)								
2000	8	6	4	-	-	-	-	-	-
1800	10	6	4	-	-	-	-	-	-
1600	10	6	5	4	-	-	-	-	-
1400	12	8	6	4	-	-	-	-	-
1200	12	10	6	5	4	-	-	-	-
1000	12	12	8	6	4	-	-	-	-
800	12	12	10	8	6	4	-	-	-
Transom Width (mm)	1400	1600	1800	2000	2200	2400	2600	2800	3000
Downward Deflection (mm)	2.3	2.7	3.0	3.3	3.7	4.0	4.3	4.7	5.0

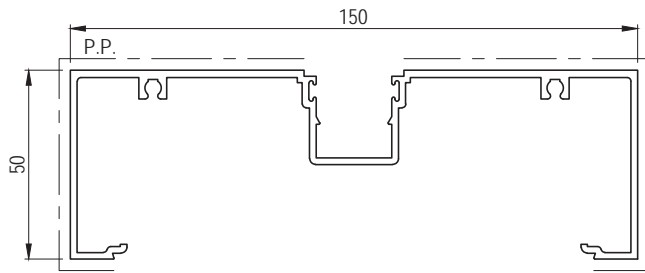
Height Above Transom (mm)	Maximum Glass Thickness with Support Blocks at 1/8 Points (mm)								
2000	12	10	8	6	4	-	-	-	-
1800	12	12	8	6	5	-	-	-	-
1600	12	12	10	6	5	4	-	-	-
1400	12	12	10	8	6	5	-	-	-
1200	12	12	12	10	6	5	4	-	-
1000	12	12	12	12	8	6	5	4	-
800	12	12	12	12	10	8	6	5	4
Transom Width (mm)	1400	1600	1800	2000	2200	2400	2600	2800	3000
Downward Deflection (mm)	2.3	2.7	3.0	3.3	3.7	4.0	4.3	4.7	5.0

NOTE: This table is based on theoretical section properties.

A deflection ratio of L/600 has been assumed, resulting in the individual deflection figures listed on the tables.

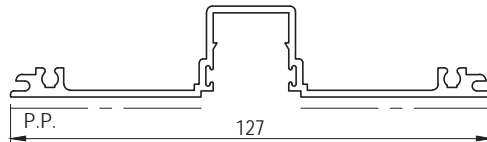
Extrusions

Scale 1:2

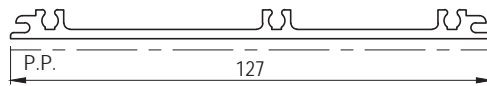


REFER TO SUB SILL & SUB FRAME TECHNICAL MANUAL FOR SUB FRAME INFORMATION

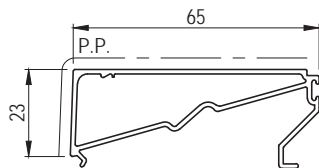
EP0272
FRAME
Paint Perimeter: 247mm
Anodised Perimeter: 704mm



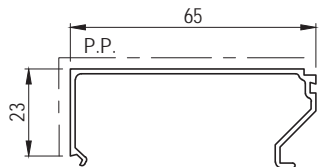
EP0274
POCKETED FILLER
Paint Perimeter: 101mm
Anodised Perimeter: 414mm



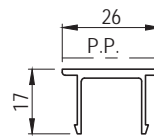
EN3596
FLAT FILLER
Paint Perimeter: 127mm
Anodised Perimeter: 330mm



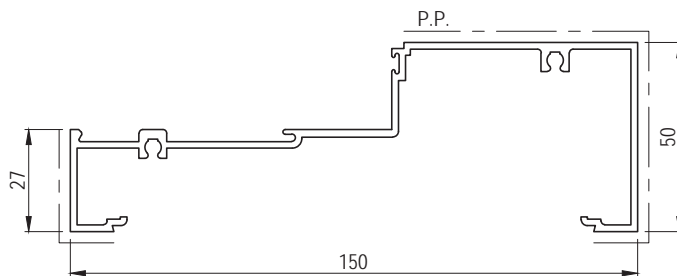
EP12765
BRACED SILL BEAD
Paint Perimeter: 100mm
Anodised Perimeter: 236mm
REFER TO SECTION 2 SPAN TABLES FOR RECOMMENDED USAGE



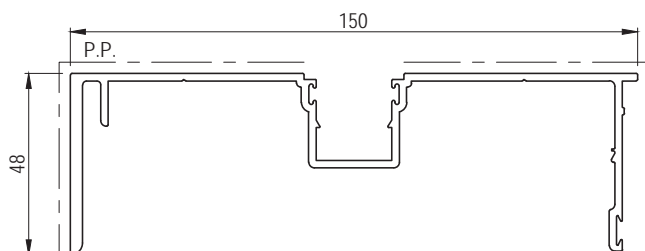
EL5560
SILL BEAD
Paint Perimeter: 100mm
Anodised Perimeter: 253mm



EL5564
FLUSH FILLER
Paint Perimeter: 100mm
Anodised Perimeter: 116mm



EP0273
SILL / TRANSOM
Paint Perimeter: 162mm
Anodised Perimeter: 615mm



EL5561
SELF MATING MULLION
Paint Perimeter: 175mm
Anodised Perimeter: 621mm

Please read in conjunction with Important Conditions – Index (also available on Capral website)

Extrusion Data


Extrusion	Description	Structural Properties *			
		Ixx (10 ³ mm ⁴)	Iyy (10 ³ mm ⁴)	Zxx (10 ³ mm ³)	Zyy (10 ³ mm ³)
EL5560	Sill Bead	11.521	96.425	0.608	2.875
EL5561	Self Mating Mullion	123.824	1892.807	3.554	22.772
EL5564	Flush Filler	2.249	5.012	0.177	0.386
EN3596	Flat Filler	1.284	598.138	0.229	9.374
EN5328	Sub Sill	80.391	3085.212	1.989	33.549
EP0272	Frame	147.195	1869.264	4.142	24.924
EP0273	Sill/Transom	135.439	1584.443	4.803	19.624
EP0274	Pocketed Filler	22.223	545.704	1.251	8.579
EP12765	Braced Bead	14.653	118.897	0.851	3.587

* NOTE: The structural properties listed above are using the orientations as listed within the extrusion pages.


Components

Scale


300001
GLAZING WEDGE 3mm GAP
100m ROLL - PVC
(M027101)




315787
CO EXT CAPTIVE WEDGE 3mm GAP
200m ROLL - SC
(MSC34)




300013
GLAZING WEDGE 5mm GAP
200m ROLL - PVC
(M027142)




315788
CO EXT CAPTIVE WEDGE 5mm GAP
100m ROLL - SC
(MSC28)




300003
GLAZING WEDGE 7mm GAP
100m ROLL - PVC
(M027103)



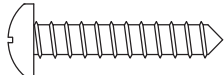
316051
CO-EXT EXPANSION JOINT SEAL
500m ROLL - SC
(10146)



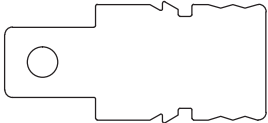
300005
GLAZING WEDGE 9.5mm GAP
150m ROLL - PVC
(M027105)



300059
10g x 25mm SS PAN SCREW
EACH
(M028598)

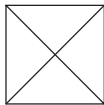


322026
POCKET FILLER
EACH - CLEAR
(SPD04773)



NON STOCKED ITEMS

14 x 12mm GLASS SETTING BLOCK



SILICONE

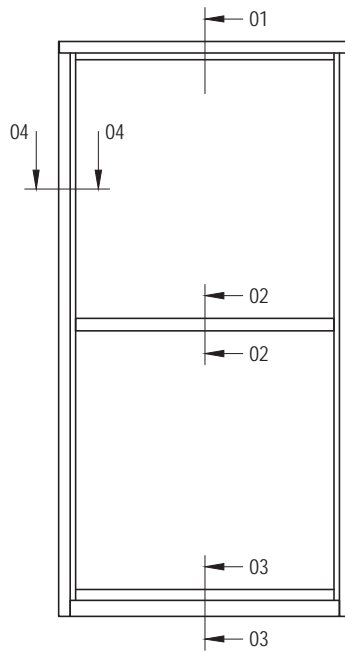
RECOMMENDED FOR COMPATIBILITY WITH END DAMS:

- DOW CORNING 739
- DOW CORNING 795
- DOW CORNING 791
- DOW CORNING 580

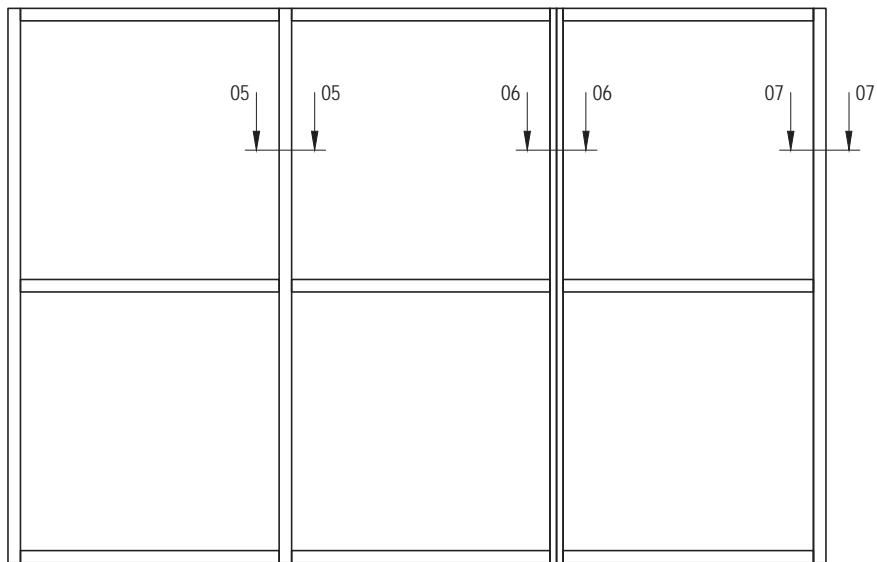
SG GLASS SETTING BLOCK

SMALL JOINT SEALANT

CLOSED CELL BACKING ROD

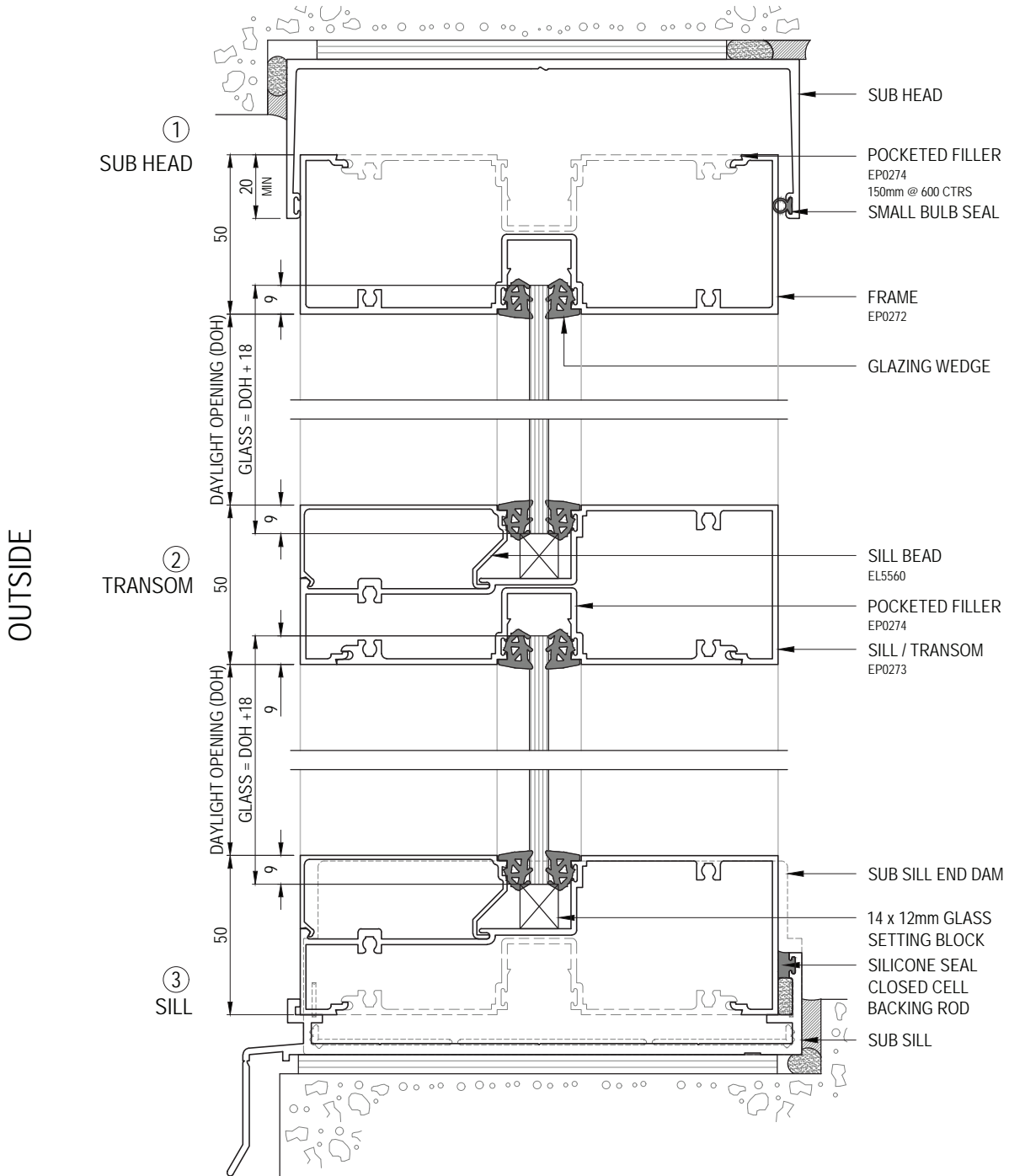


SUB FRAME

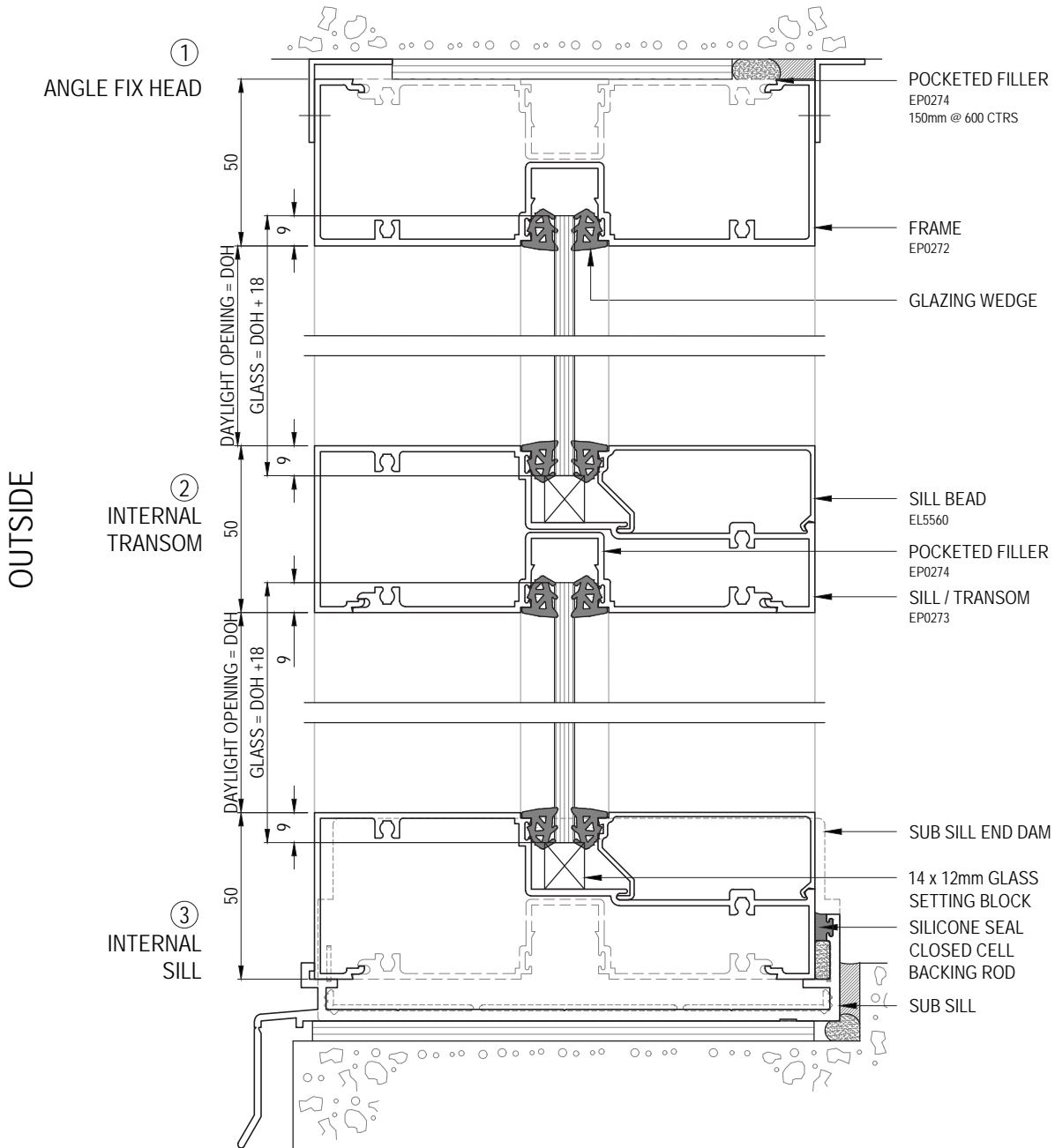


STANDARD
MULLION

SELF MATING
MULLION



Please read in conjunction with Important Conditions – Index (also available on Capral website)

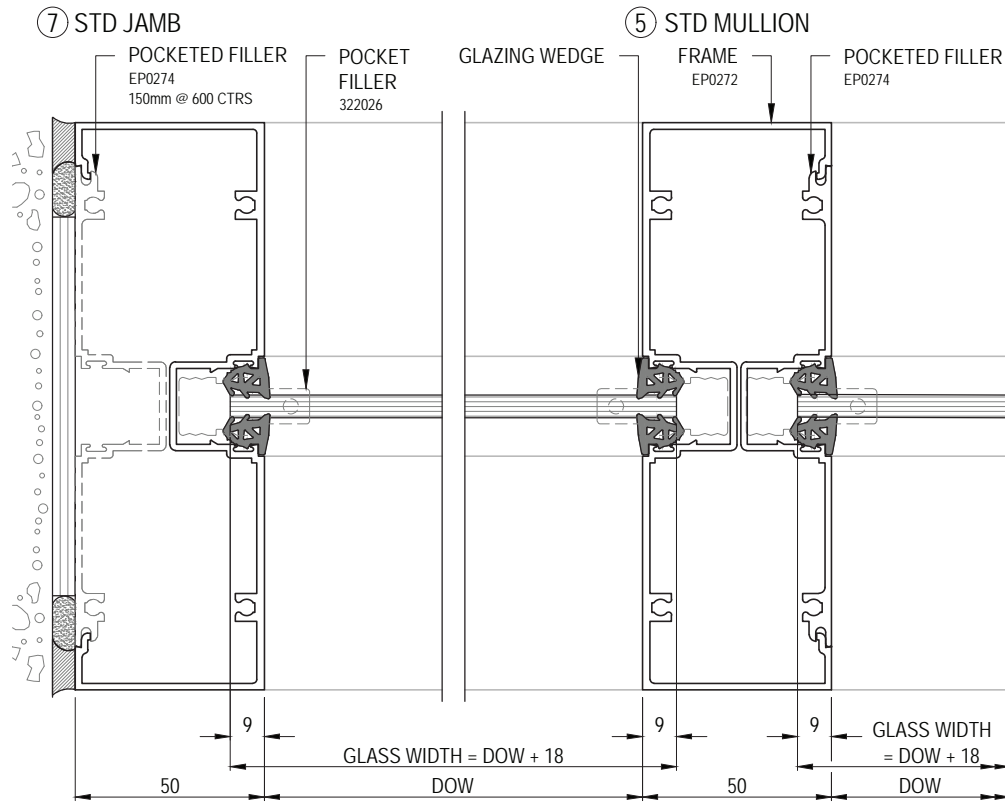


INTERNAL GLAZING

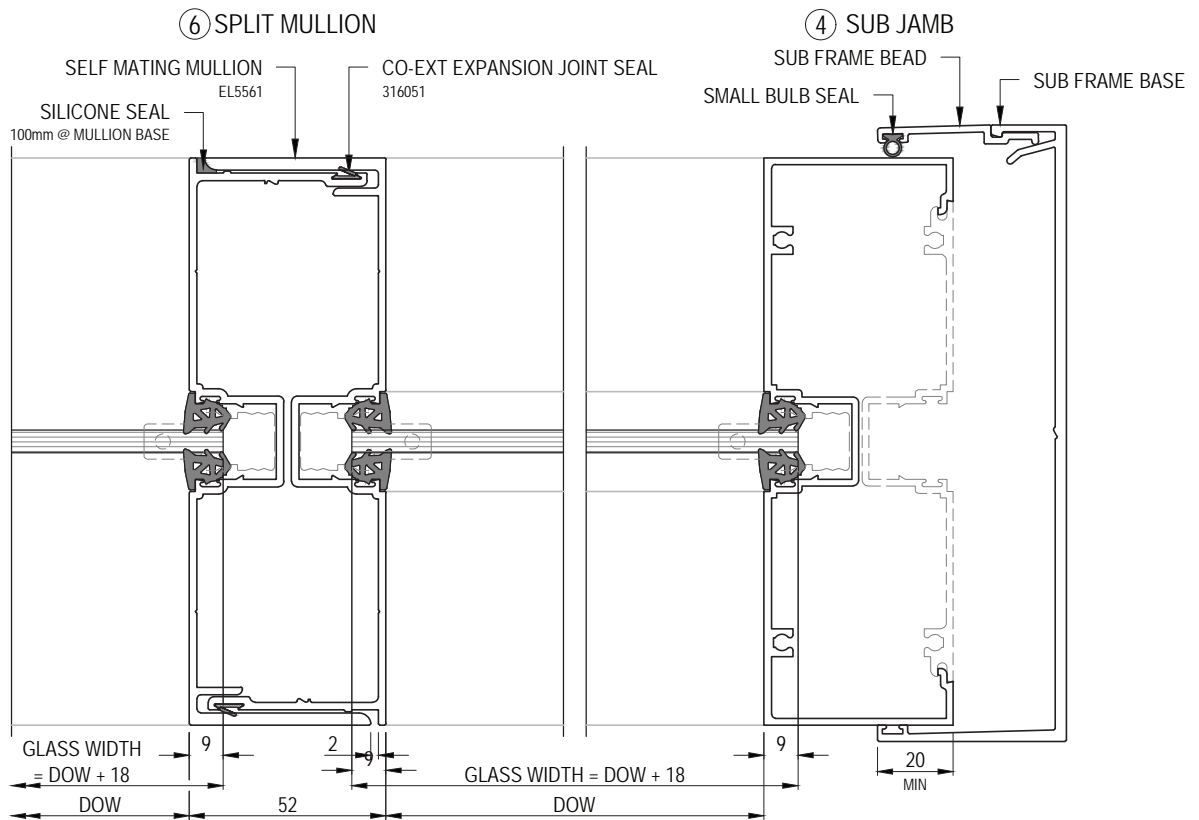
INTERNALLY BEADED FRAMES ARE ONLY POSSIBLE IF DRAINAGE IS PROVIDED THROUGH MULLIONS & JAMBS. REFER SECTION 10, PAGE 2

Horizontal Arrangement 04, 05, 06 & 07 - Jambs & Mullions

Scale 1:2

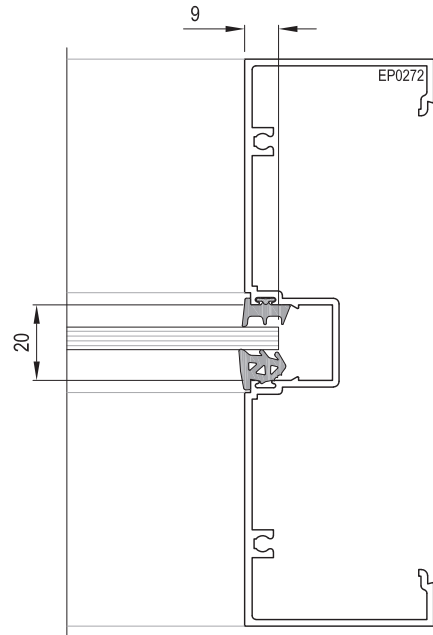
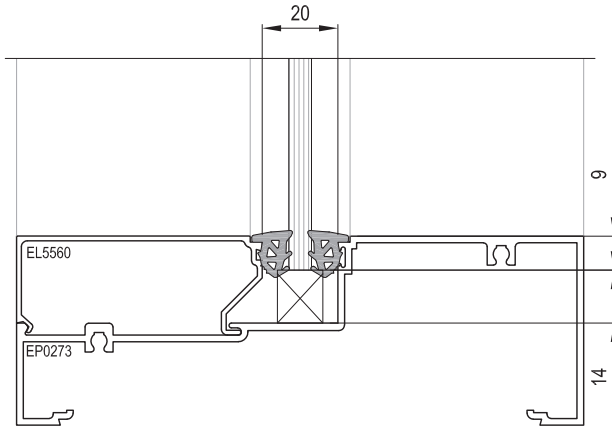


OUTSIDE



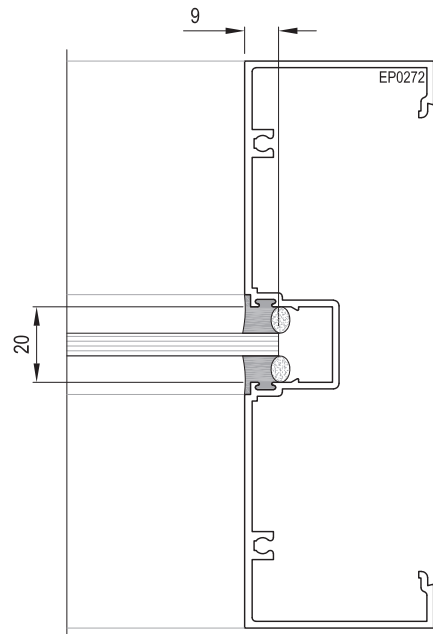
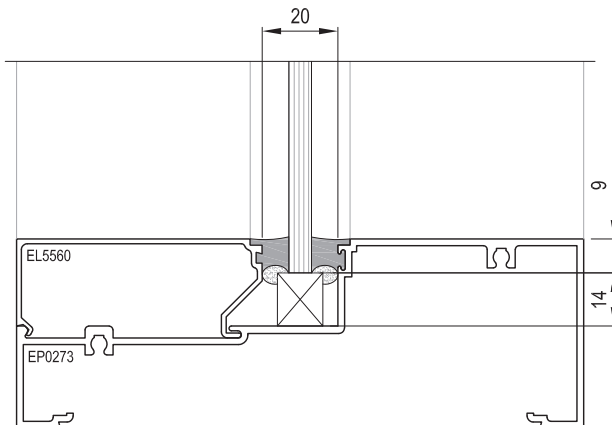
OUTSIDE

Please read in conjunction with Important Conditions – Index (also available on Capral website)



DRY GLAZING				
GLASS SIZE	WEDGE	GAP	WEDGE	GAP
6mm	300013 (315788*)	5mm	300005	9.5mm
	300003	7mm	300003	7mm
8mm	300013 (315788*)	5mm	300003	7mm
10mm	300013 (315787*)	5mm	300013	5mm
12mm	300013 (315787*)	5mm	300001	3mm
14mm	300001 (315787*)	3mm	300001	3mm

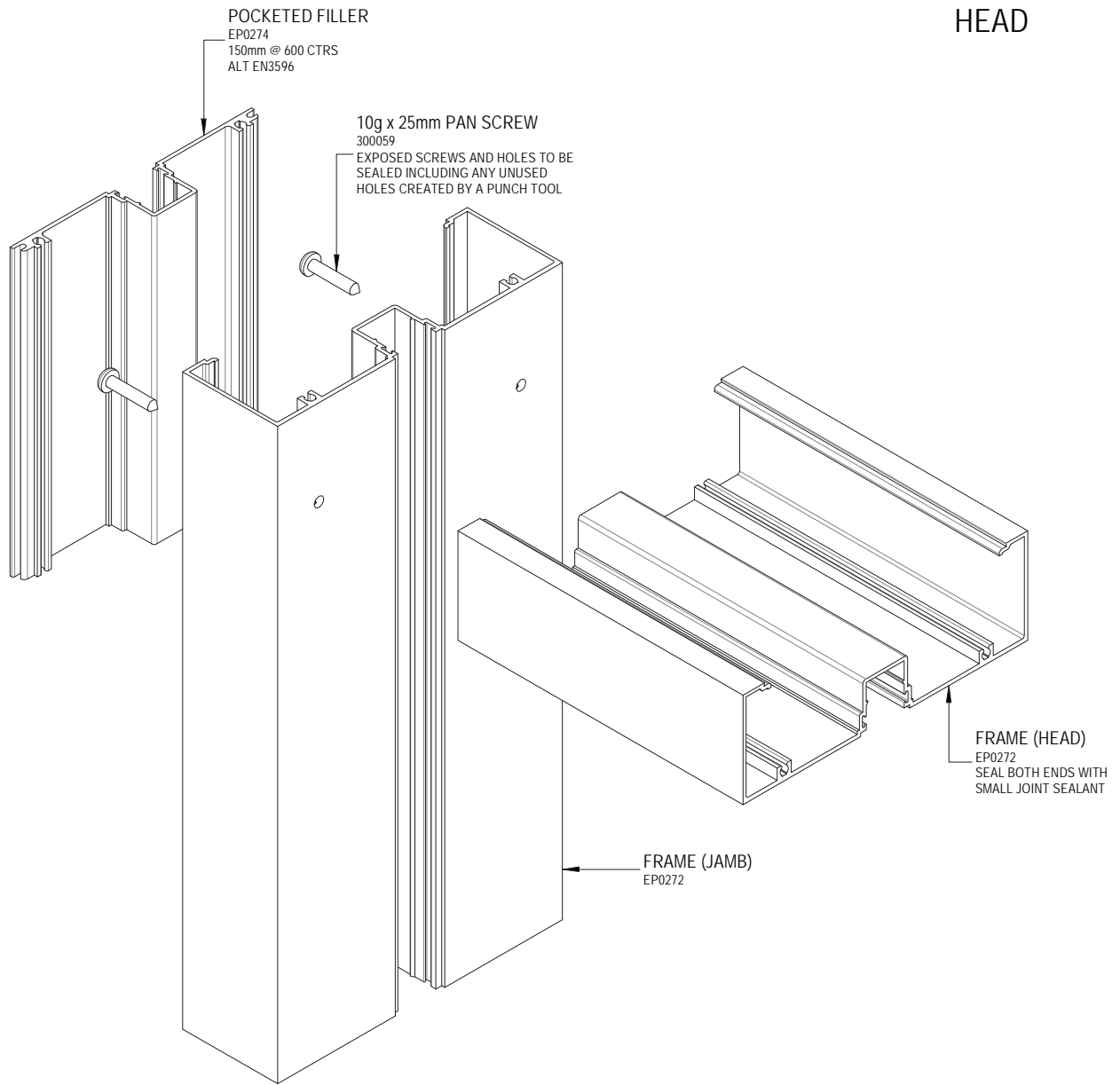
* Captive Wedge Alternative



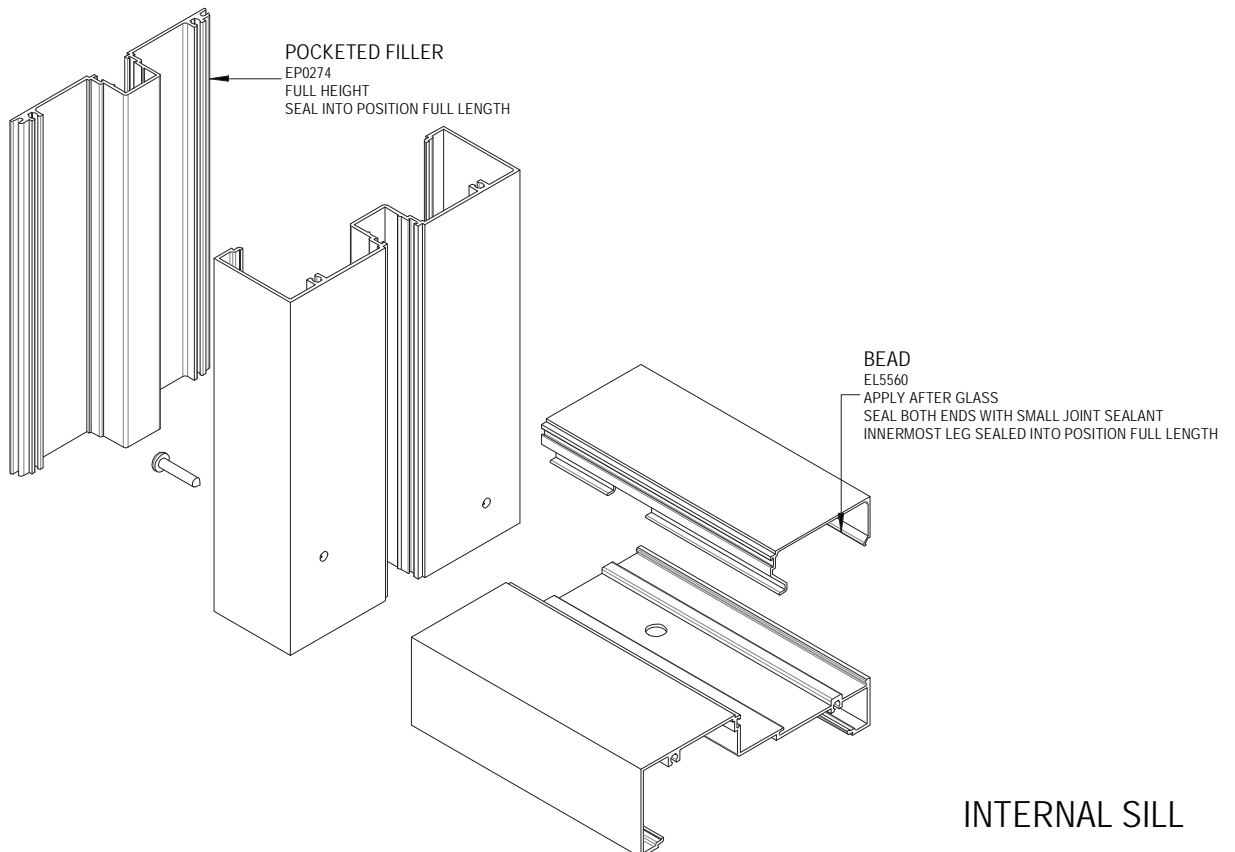
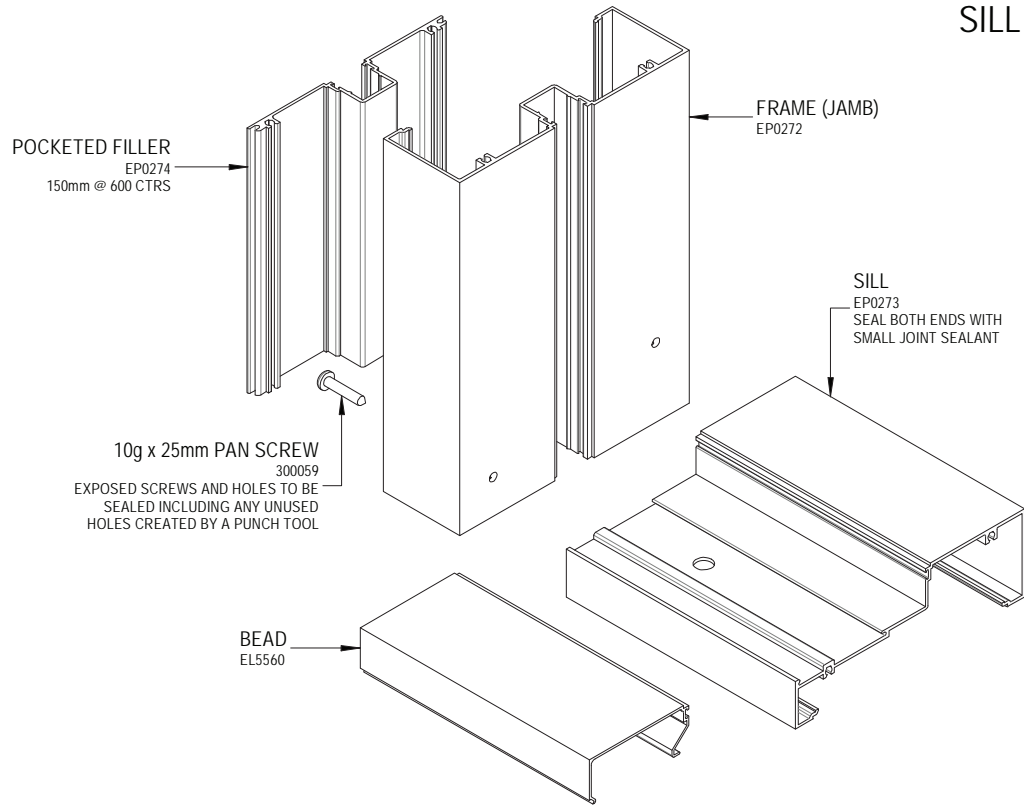
WET GLAZING

- WHERE THE GLASS THICKNESS PERMITS, INSERT A BACKING ROD ON EITHER SIDE OF THE GLASS.
- CENTRE THE GLASS WITHIN THE GLAZING POCKET USING APPROPRIATE PACKERS ON EITHER SIDE.
- APPLY A CONTINUOUS SILICONE BEAD AROUND THE FULL PERIMETER OF THE FRAME, BOTH INSIDE AND OUT.

Please read in conjunction with Important Conditions – Index (also available on Capral website)



SILL



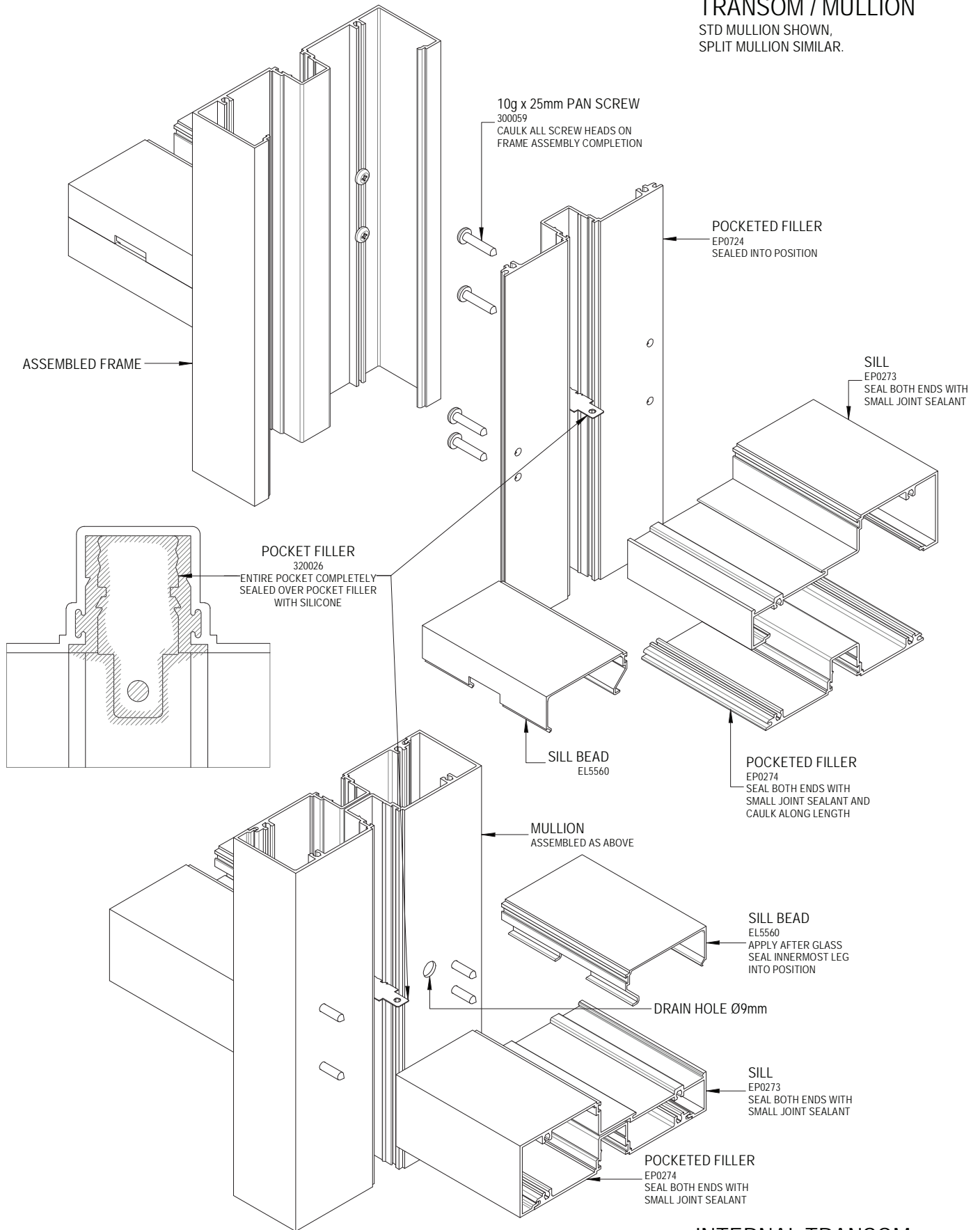
Please read in conjunction with Important Conditions – Index (also available on Capral website)

Assembly - Transoms & Mullion

Not To Scale

TRANSOM / MULLION

STD MULLION SHOWN,
SPLIT MULLION SIMILAR.

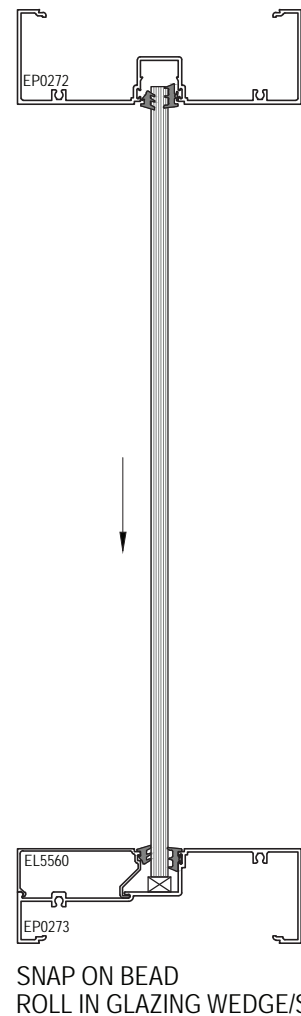
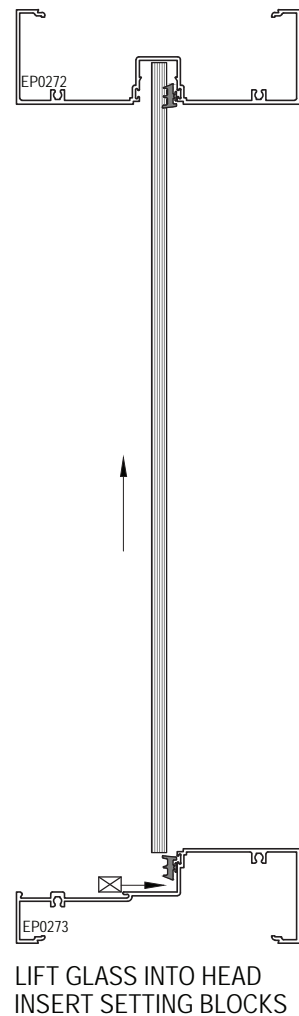
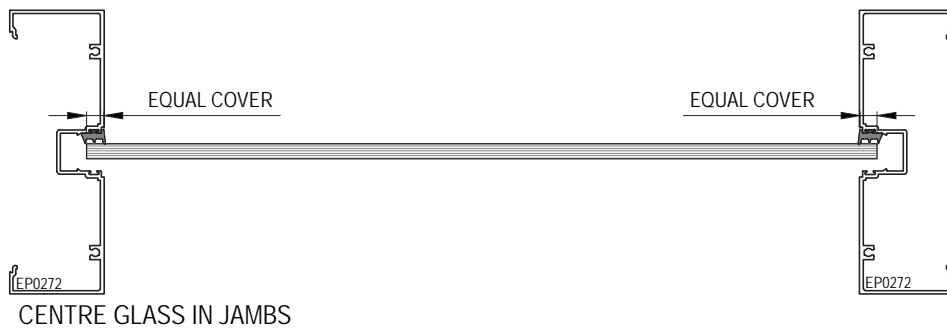
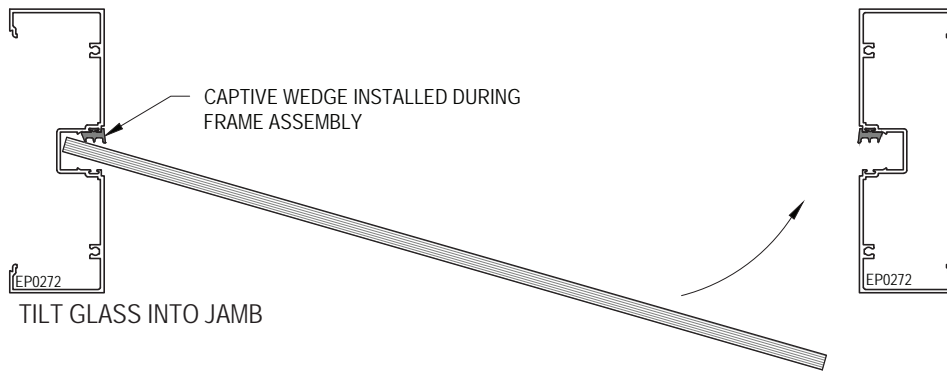


INTERNAL TRANSOM

Please read in conjunction with Important Conditions – Index (also available on Capral website)

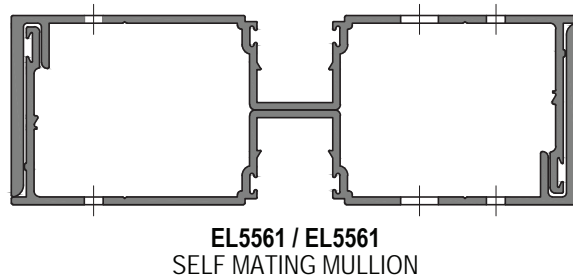
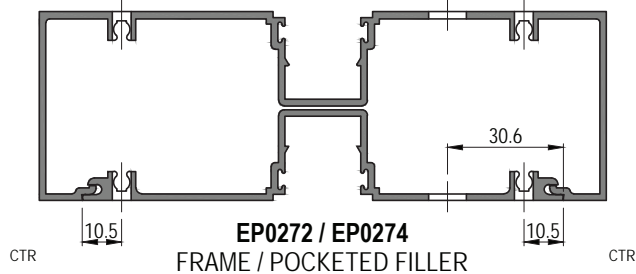
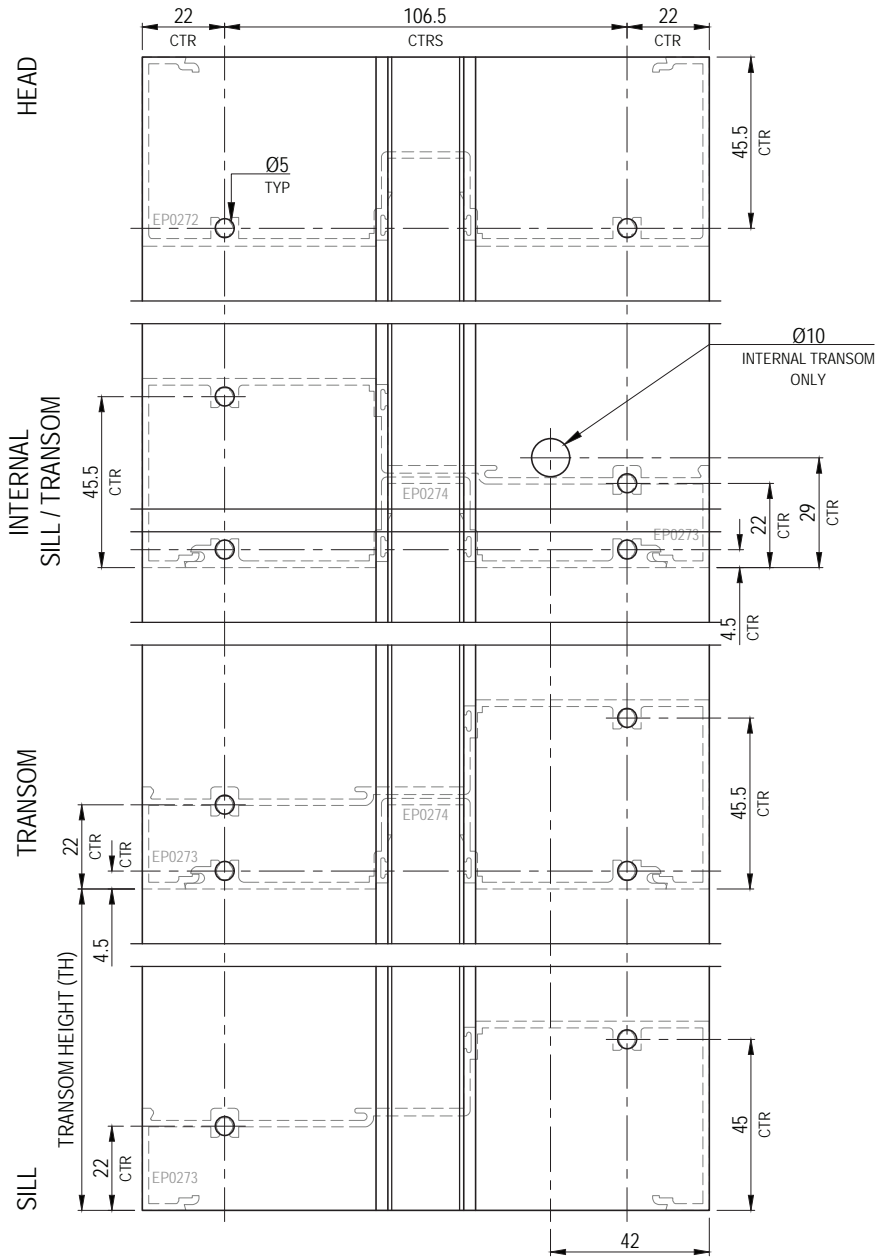
Assembly - Glazing

Extrusions



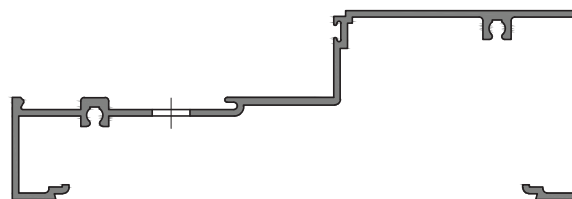
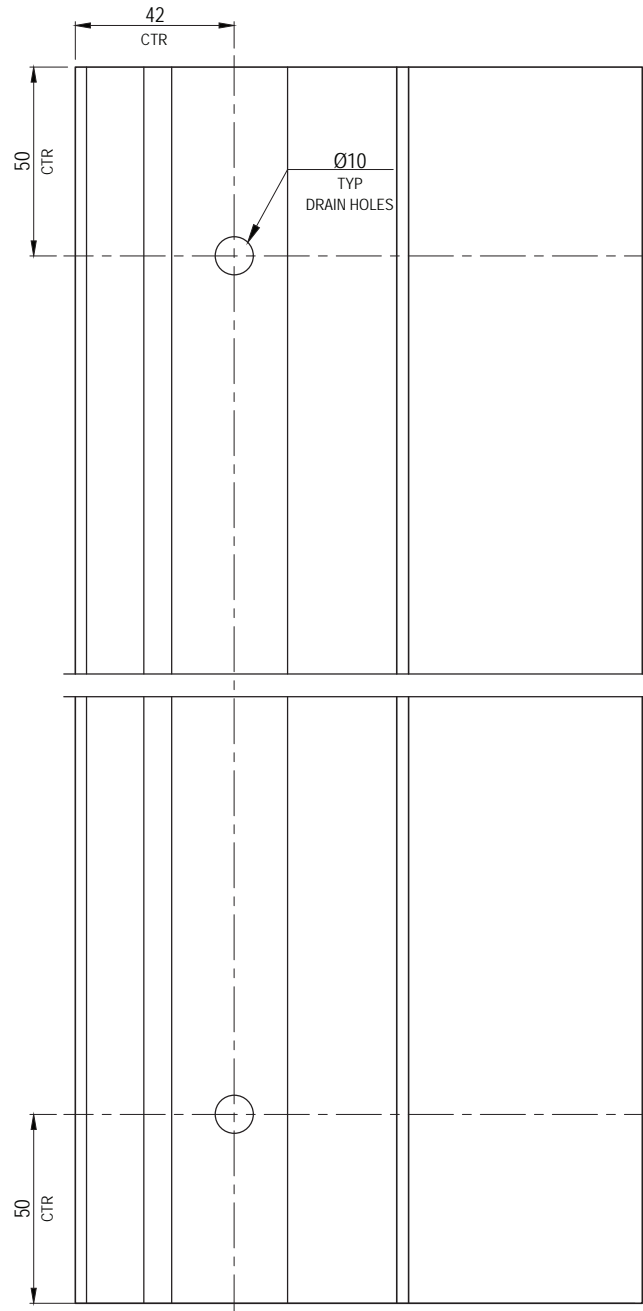
Please read in conjunction with Important Conditions – Index (also available on Capral website)

Machining - Jamb & Mullions



NOTES

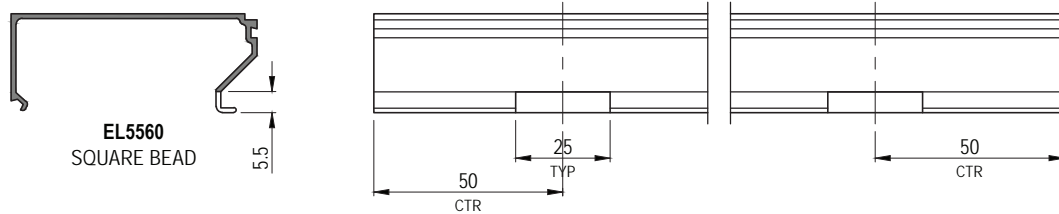
Please read in conjunction with Important Conditions – Index (also available on Capral website)



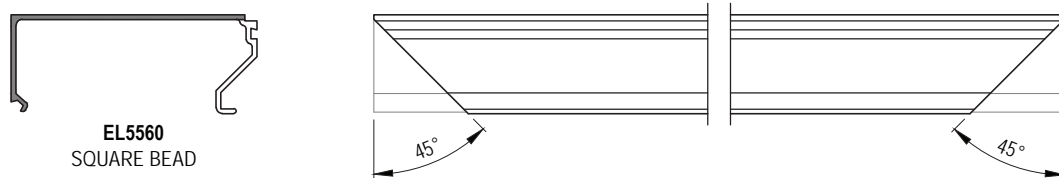
EP0273
SILL ONLY
NO MACHINING REQUIRED FOR TRANSOM

Machining - Bead Drainage

DRAINAGE OPTION 1 - ALL BEADS



DRAINAGE OPTION 2 - ALL BEADS



ADDITIONAL DRAINAGE - EXTERNAL TRANSOM ONLY

