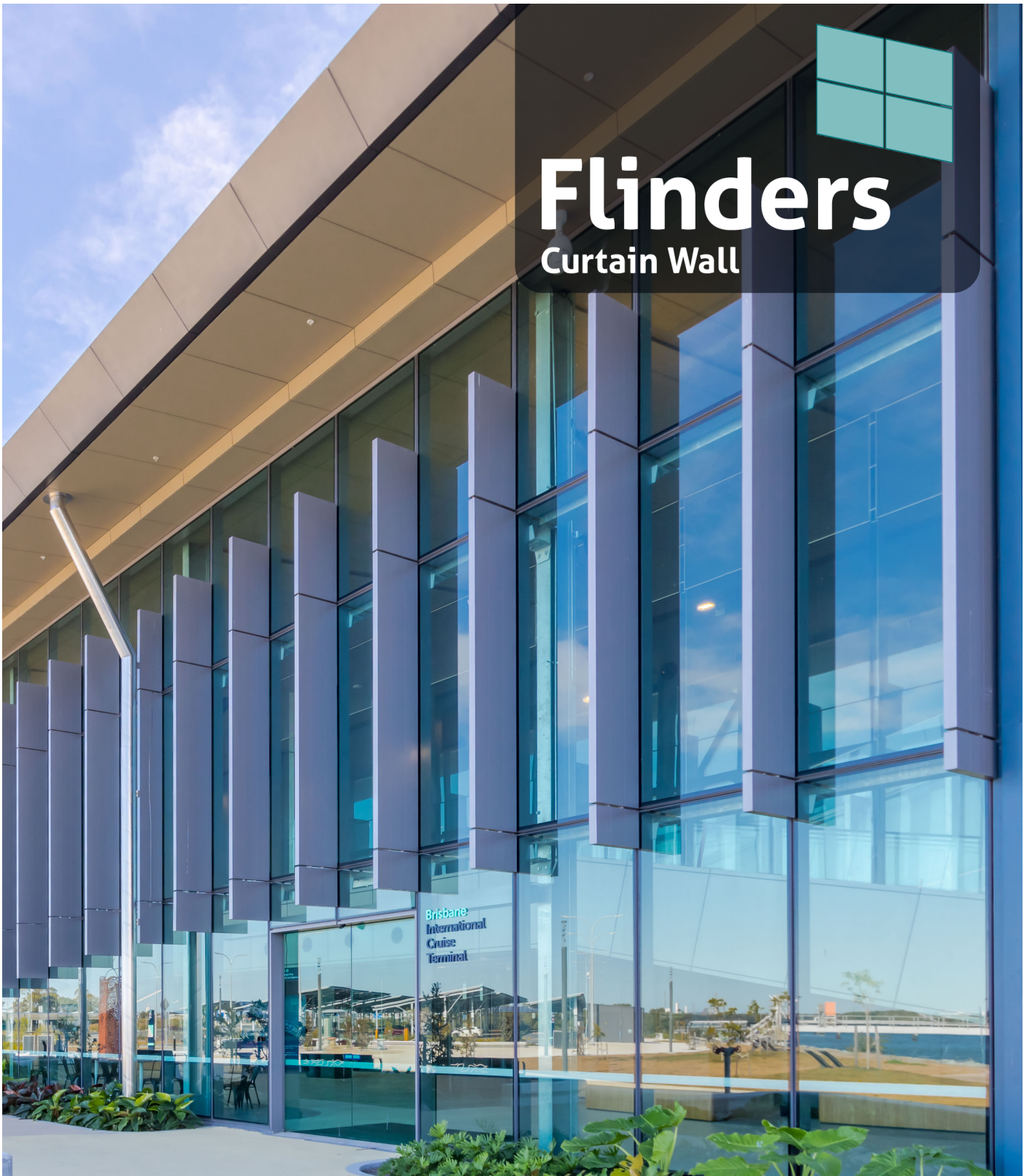


A photograph of a modern building's exterior featuring a large glass curtain wall system. The system consists of vertical glass panels held together by dark, rectangular aluminum frames. The building has a flat roof with a light-colored, possibly metallic, finish. The sky is blue with some light clouds. The reflection on the glass shows the surrounding environment, including a body of water and some greenery.

Flinders

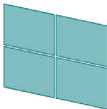
Curtain Wall

Flinders

136mm Unitised Curtain Wall

Technical Manual
October 2024 | ISSUE C

alspec[®]
EVERYTHING ALUMINIUM
& HARDWARE



Flinders

Curtain Wall

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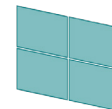
This manual is to be returned to Aluminium Specialties Group Pty Limited when requested.

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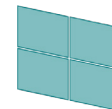
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10. MANUFACTURING DETAILS

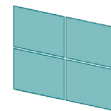
10.1

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Changes or additions to this manual will be itemised with a brief description and date when the amendments were made.

[illegible]



2. Technical Specifications

ALUMINIUM

Aluminium frames should be manufactured using Alspec's **FLINDERS CURTAIN WALL** framing system.

The maximum panel height: 3600mm

The maximum panel width: 1500mm

The maximum panel weight: 450kg

Refer to wind load table for maximum panel heights and widths.

GLAZING

IGU glazing thickness range: 28mm - 38mm

Single glazing thickness range with SG adaptor: 6mm - 12mm

Alspec's **FLINDERS CURTAIN WALL** is to be structural silicone glazed only, refer to Glazing Details in section 12 of this Technical Manual.

A project review must be carried out by a qualified structural engineer and/or silicone suppliers' project review service. Structural silicone selection and structural bite width is subject to project conditions, wind loads and panel size.

HARDWARE

All hardware as per ALSPEC Technical Manual

FINISHES

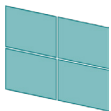
- All powder coated material shall be produced to AS3715.
- All anodised material shall be produced to AS1231

TESTING

Product shall have a test report to show compliance to AS4284.

All products are available from Alspec (A.B.N. 63 001 252 259) as detailed in the "Alspec" catalogue or on the Internet at www.alspec.com.au. All such framing is to be constructed, assembled and fixed to meet the requirement of AS2047 (windows in buildings), AS1170 (loading code). All glass, glazing rubbers, seals and gaskets shall be applied in accordance with the requirements of AS1288 (glass in buildings - selection and installation) or AS4666 (Insulated Glass Units).

Fabricators of the **FLINDERS CURTAIN WALL** framing system should seek certification by a consultant structural engineer as to the framing being acceptable for the design wind pressure and deflection characteristics required of the site.



3. Loading Tables

Loading Table Guide

The following pages contain wind pressure tables that may be used as a guide to the suitability of Alspec Aluminium Systems framing for various wind loads and frame sizes.

In most situations the Design Wind Pressure for a particular building should be available from the building designer or engineer.

Framing must be checked for suitability.

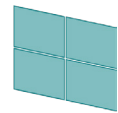
For a window / door frame, which is 2400mm high and 1000mm wide, refer to the table below;

Step 1: Locate the height

Step 2: Locate the width

Step 3: Determine the Maximum wind pressure based on the height and width.

SECTION PART NO.	Panel Height	Maximum Design Pressure (Pa)					
STEP 1 →	2850	S	1040	840	720	630	570
		U	2410	1960	1660	1460	1310
	2700	S	1230	1000	850	750	680
		U	2700	2190	1870	1640	1480
	2550	S	1460	1200	1020	910	830
		U	3040	2470	2210	1860	1690
	2400	S	1770	1450	1250	1080	1010
		U	3440	2810	2410	2000	1940
	2250	S	2160	1780	1530	1370	1270
		U	3940	3230	2780	2470	2270
	2100	S	2670	2210	1920	1730	1610
		U	4550	3750	3240	2900	2680
	lxx = xxx x xxx mm4	Panel Width	800	1000	1200	1400	1600
			STEP 2 ↑				
			STEP 3 ←				



3. Loading Tables

Mullion Loading Tables

Max Stress = 170Mpa (6060-T6)

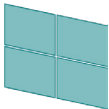
S = Serviceability limit state I/250

U = Ultimate limit state

MULLION COMBINATION UCW101 & UCW102	Panel Height	Maximum Design Pressure (Pa)			
	3900	S	2080	1590	1300
		U	4500	4500	4500
	3600	S	2500	2040	1670
		U	4500	4500	4500
	3300	S	2500	2500	2200
		U	4500	4500	4500
	3000	S	2500	2500	2500
		U	4500	4500	4500
	2700	S	2500	2500	2500
		U	4500	4500	4500
	2400	S	2500	2500	2500
		U	4500	4500	4500
	2100	S	2500	2500	2500
		U	4500	4500	4500
$I_{xx} = 5115 \times 10^3 \text{ mm}^4$	Panel Width		900	1200	1500
			1800		

MULLION COMBINATION UCW103 & UCW104	Panel Height	Maximum Design Pressure (Pa)			
	3900	S	2500	2080	1700
		U	4500	4500	4220
	3600	S	2500	2500	2190
		U	4500	4500	4280
	3300	S	2500	2500	2500
		U	4500	4500	4500
	3000	S	2500	2500	2500
		U	4500	4500	4500
	2700	S	2500	2500	2500
		U	4500	4500	4500
	2400	S	2500	2500	2500
		U	4500	4500	4500
	2100	S	2500	2500	2500
		U	4500	4500	4500
$I_{xx} = 6689 \times 10^3 \text{ mm}^4$	Panel Width		900	1200	1500
			1800		

Tables are based on theoretical section properties



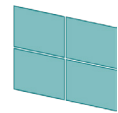
3. Loading Tables

Corner Mullion Loading Tables

Max Stress = 170Mpa (6060-T6) S = Serviceability limit state l/250 U = Ultimate limit state

MULLION COMBINATION UCW130 & UCW131	Panel Height	Maximum Design Pressure (Pa)			
	3900	S	2500	2140	1750
		U	4500	4500	4390
	3600	S	2500	2500	2250
		U	4500	4500	4500
	3300	S	2500	2500	2500
		U	4500	4500	4500
	3000	S	2500	2500	2500
		U	4500	4500	4500
	2700	S	2500	2500	2500
		U	4500	4500	4500
	2400	S	2500	2500	2500
		U	4500	4500	4500
	2100	S	2500	2500	2500
		U	4500	4500	4500
$I_{xx} = 6898 \times 10^3 \text{ mm}^4$	Panel Width		900	1200	1500
				1800	

Tables are based on theoretical section properties



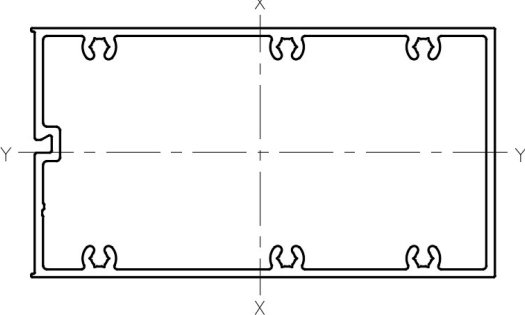
3. Loading Tables

Transom Loading Tables

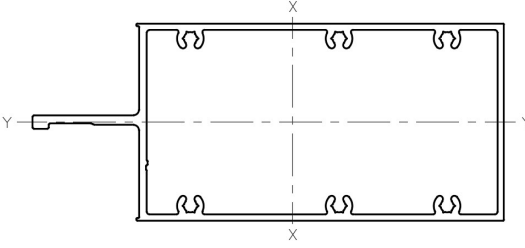
Max Stress = 110Mpa

S = Serviceability limit state 1/250

U = Ultimate limit state

UCW115 TRANSOM	Transom Centres	Maximum Design Loads (Pa)				
	1800	S	2500	2500	2500	2500
		U	4500	4500	4500	4500
	1500	S	2500	2500	2500	2500
		U	4500	4500	4500	4500
	1200	S	2500	2500	2500	2500
		U	4500	4500	4500	4500
	900	S	2500	2500	2500	2500
		U	4500	4500	4500	4500
	Max Kg		350	300	150	90
	Transom Length		900	1200	1500	1800

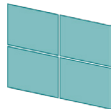
$I_{xx} = 2911 \times 10^3 \text{ mm}^4$
 $I_{yy} = 1135 \times 10^3 \text{ mm}^4$

UCW116 TRANSOM	Transom Centres	Maximum Design Loads (Pa)				
	1800	S	2500	2500	2500	2500
		U	4500	4500	4500	4500
	1500	S	2500	2500	2500	2500
		U	4500	4500	4500	4500
	1200	S	2500	2500	2500	2500
		U	4500	4500	4500	4500
	900	S	2500	2500	2500	2500
		U	4500	4500	4500	4500
	Max Kg		350	300	150	90
	Transom Length		900	1200	1500	1800

$I_{xx} = 3783 \times 10^3 \text{ mm}^4$
 $I_{yy} = 1137 \times 10^3 \text{ mm}^4$

Maximum glass weights has been determined to limit deflection to 0.5mm,
using setting block locations of 1/8 points.

Tables are based on theoretical section properties



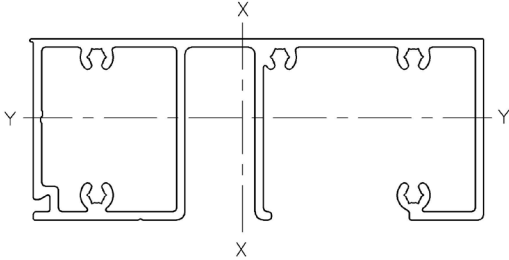
3. Loading Tables

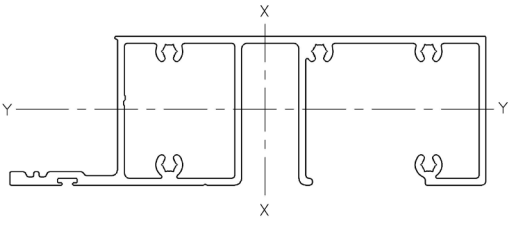
Sill Loading Tables

Max Stress = 110Mpa

S = Serviceability limit state 1/250

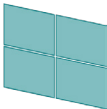
U = Ultimate limit state

UCW110 SILL	Transom Centres	Maximum Design Loads (Pa)				
	1800	S	2500	2500	2500	2500
		U	4500	4500	4500	4500
	1500	S	2500	2500	2500	2500
		U	4500	4500	4500	4500
	1200	S	2500	2500	2500	2500
		U	4500	4500	4500	4500
	900	S	2500	2500	2500	2500
		U	4500	4500	4500	4500
	Max Kg		400	285	150	85
	Transom Length		900	1200	1500	1800
$I_{xx} = 2513 \times 10^3 \text{ mm}^4$ $I_{yy} = 537 \times 10^3 \text{ mm}^4$						

UCW111 SILL	Transom Centres	Maximum Design Loads (Pa)				
	1800	S	2500	2500	2500	2500
		U	4500	4500	4500	4500
	1500	S	2500	2500	2500	2500
		U	4500	4500	4500	4500
	1200	S	2500	2500	2500	2500
		U	4500	4500	4500	4500
	900	S	2500	2500	2500	2500
		U	4500	4500	4500	4500
	Max Kg		400	285	150	85
	Transom Length		900	1200	1500	1800
$I_{xx} = 3453 \times 10^3 \text{ mm}^4$ $I_{yy} = 643 \times 10^3 \text{ mm}^4$						

Maximum glass weights has been determined to limit deflection to 1mm,
using setting block locations of 1/8 points.

Tables are based on theoretical section properties



3. Loading Tables

Stack Head Loading Tables

Max Stress = 110Mpa

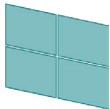
S = Serviceability limit state 1/250

U = Ultimate limit state

UCW120 STACK HEAD	Transom Centres	Maximum Design Loads (Pa)				
	1800	S	2500	2500	2500	2500
		U	4500	4500	4500	4500
	1500	S	2500	2500	2500	2500
		U	4500	4500	4500	4500
	1200	S	2500	2500	2500	2500
		U	4500	4500	4500	4500
	900	S	2500	2500	2500	2500
		U	4500	4500	4500	4500
$I_{xx} = 3920 \times 10^3 \text{ mm}^4$ $I_{yy} = 1468 \times 10^3 \text{ mm}^4$	Transom Length	900	1200	1500	1800	

UCW121 STACK HEAD	Transom Centres	Maximum Design Loads (Pa)				
	1800	S	2500	2500	2500	2500
		U	4500	4500	4500	4500
	1500	S	2500	2500	2500	2500
		U	4500	4500	4500	4500
	1200	S	2500	2500	2500	2500
		U	4500	4500	4500	4500
	900	S	2500	2500	2500	2500
		U	4500	4500	4500	4500
$I_{xx} = 4971 \times 10^3 \text{ mm}^4$ $I_{yy} = 1468 \times 10^3 \text{ mm}^4$	Transom Length	900	1200	1500	1800	

Tables are based on theoretical section properties



3. Loading Tables

Stack Joint Assembly Loading Tables

Max Stress = 110Mpa

S = Serviceability limit state 1/250

U = Ultimate limit state

UCW110 & UCW120 STACK ASSEMBLY	Transom Centres	Maximum Design Loads (Pa)			
	1800	S	2500	2500	2500
		U	4500	4500	4500
	1500	S	2500	2500	2500
		U	4500	4500	4500
	1200	S	2500	2500	2500
		U	4500	4500	4500
	900	S	2500	2500	2500
		U	4500	4500	4500
$I_{xx} = 6433 \times 10^3 \text{ mm}^4$	Transom Length	900	1200	1500	1800

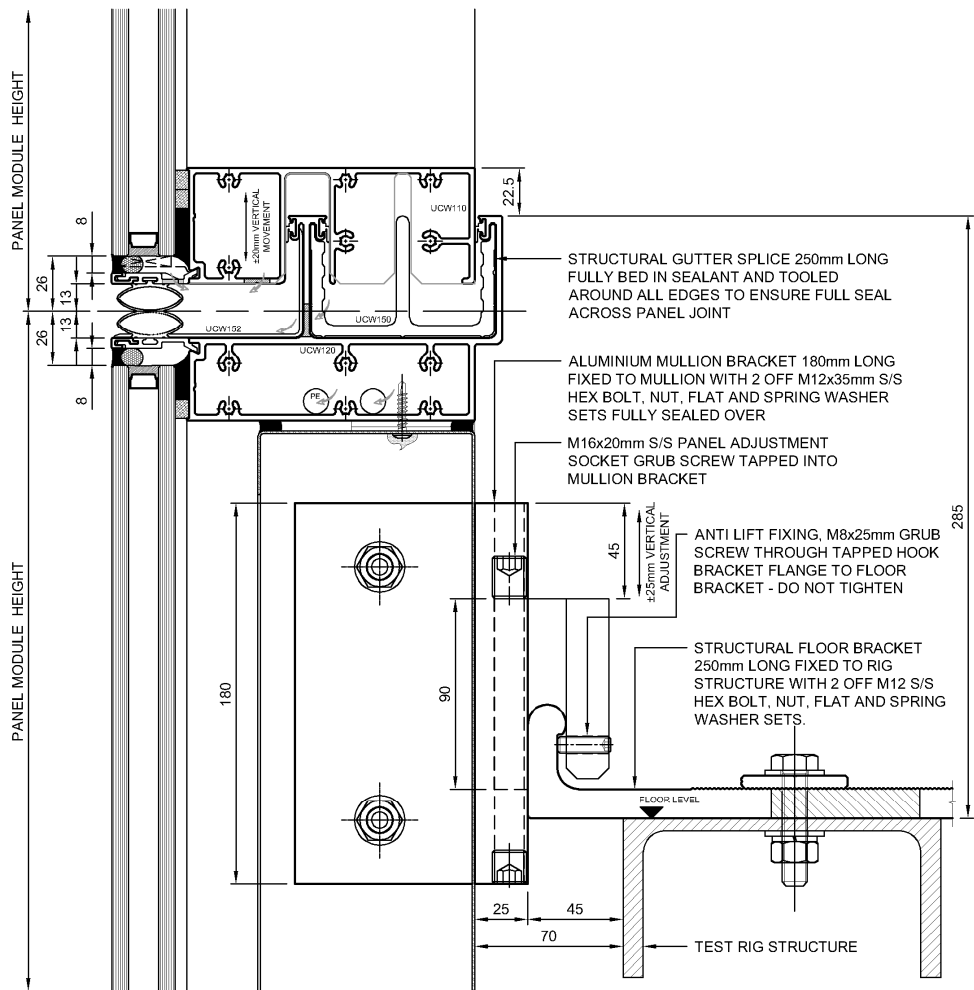
UCW111 & UCW121 STACK ASSEMBLY	Transom Centres	Maximum Design Loads (Pa)			
	1800	S	2500	2500	2500
		U	4500	4500	4500
	1500	S	2500	2500	2500
		U	4500	4500	4500
	1200	S	2500	2500	2500
		U	4500	4500	4500
	900	S	2500	2500	2500
		U	4500	4500	4500
$I_{xx} = 8424 \times 10^3 \text{ mm}^4$	Transom Length	900	1200	1500	1800

Tables are based on theoretical section properties

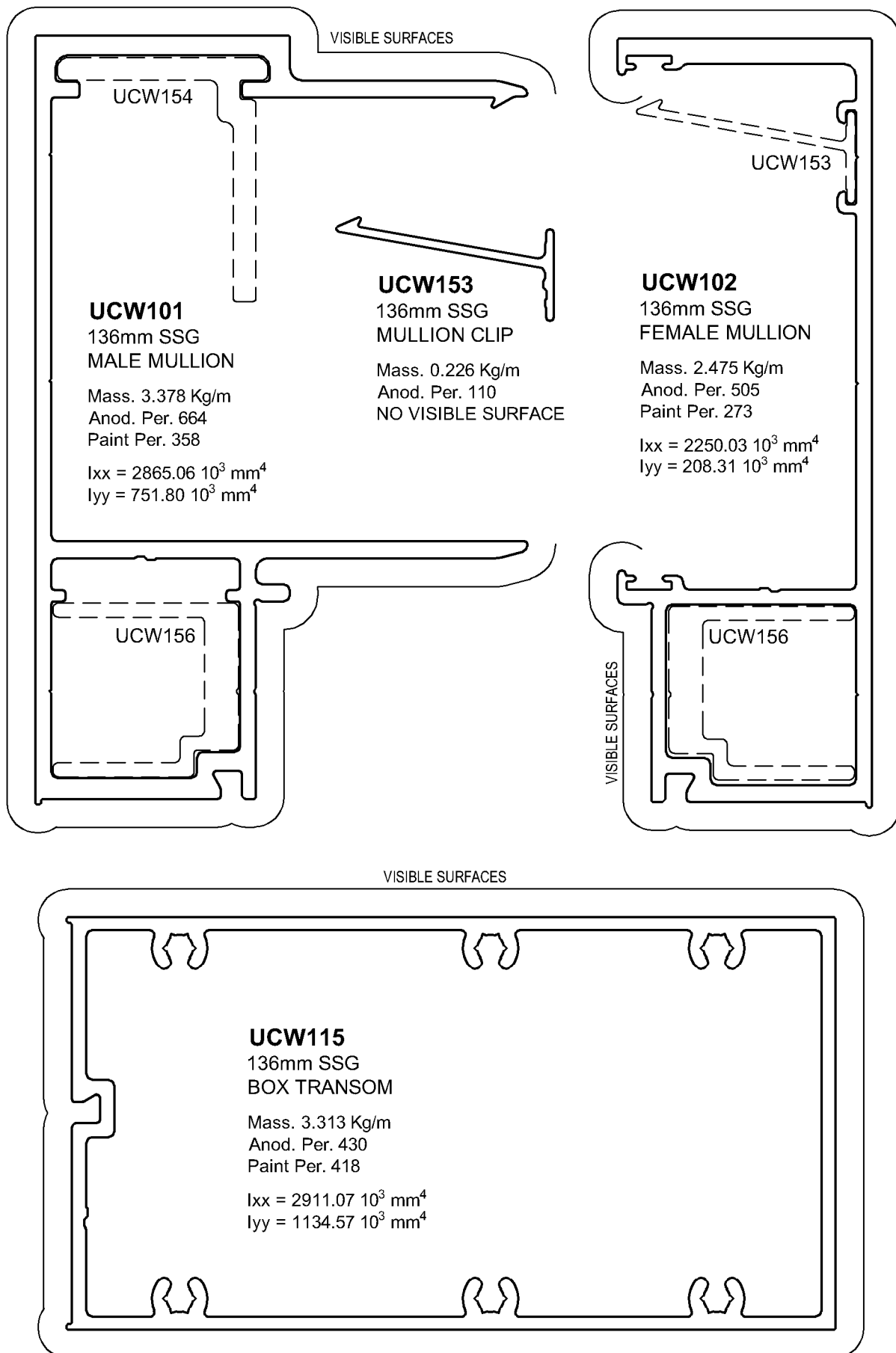
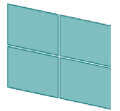
4. Test Summary

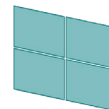
AS4284 - 9 Panel SIROWET Test

TEST REPORT:	OT.CW24-02
SYSTEM CONFIGURATION	9 panels total comprising of 2 rows of 3 panels 3600H x 1500W and 1 row of 3 panels 2350H x 1500W. Each panel consisting of double glazed vision glazing with 6 panels having double glazed spandrel glazing and 3 panels with single glazed spandrel glazing. All glass fully structural silicone glazed.
TEST SAMPLE SIZE	9.55m high x 4.50m wide
SERVICEABILITY LOAD	+/- 1.605 kPa
ULTIMATE LOAD	+/- 3.504 kPa
WATER PENETRATION	960 Pa cyclic pressure
AIR INFILTRATION @150Pa	+ 0.10L/m/s ² - 0.20L/m/s ²
AIR INFILTRATION @300Pa	+ 0.14L/m/s ² - 0.28L/m/s ²

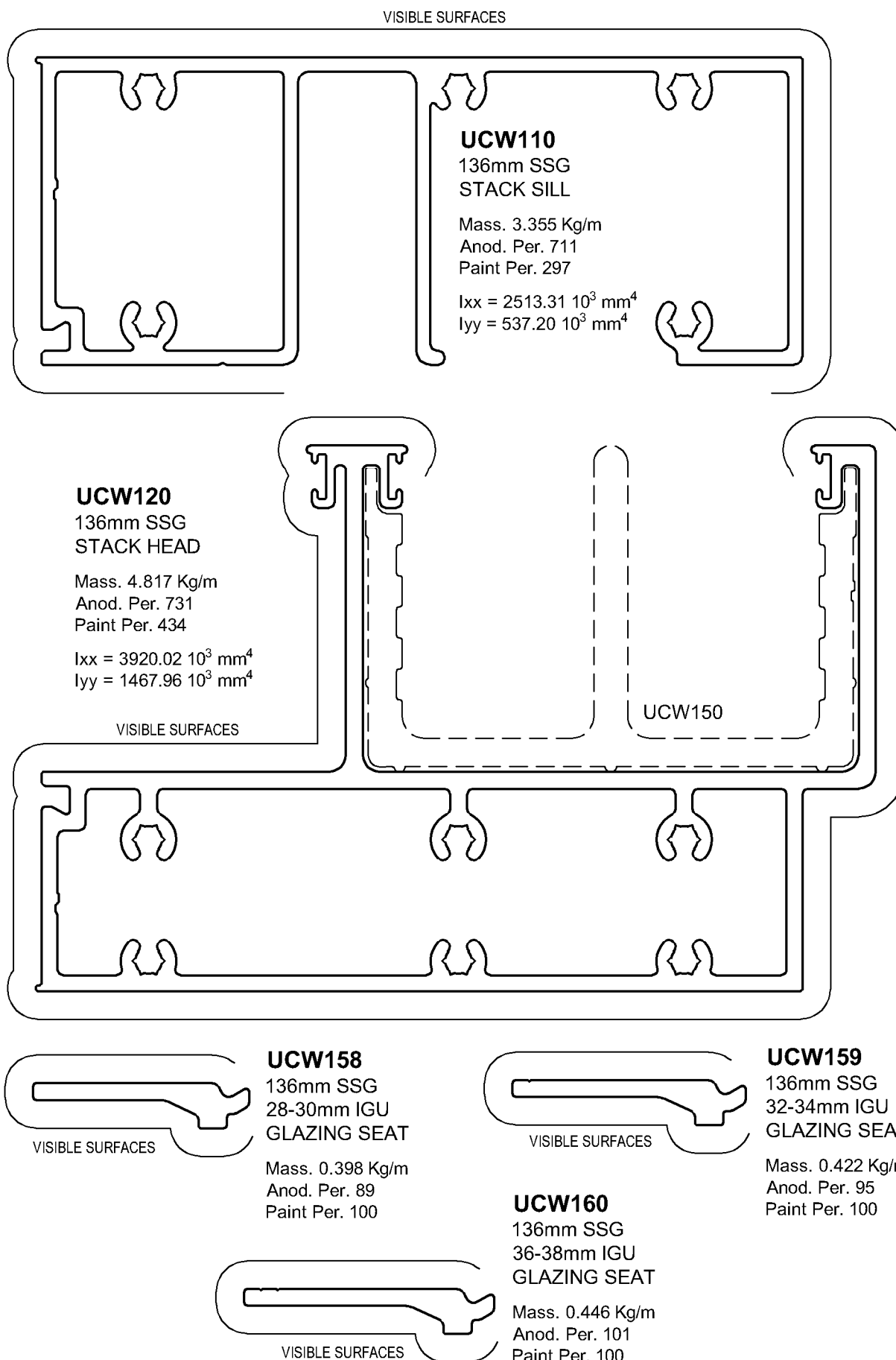


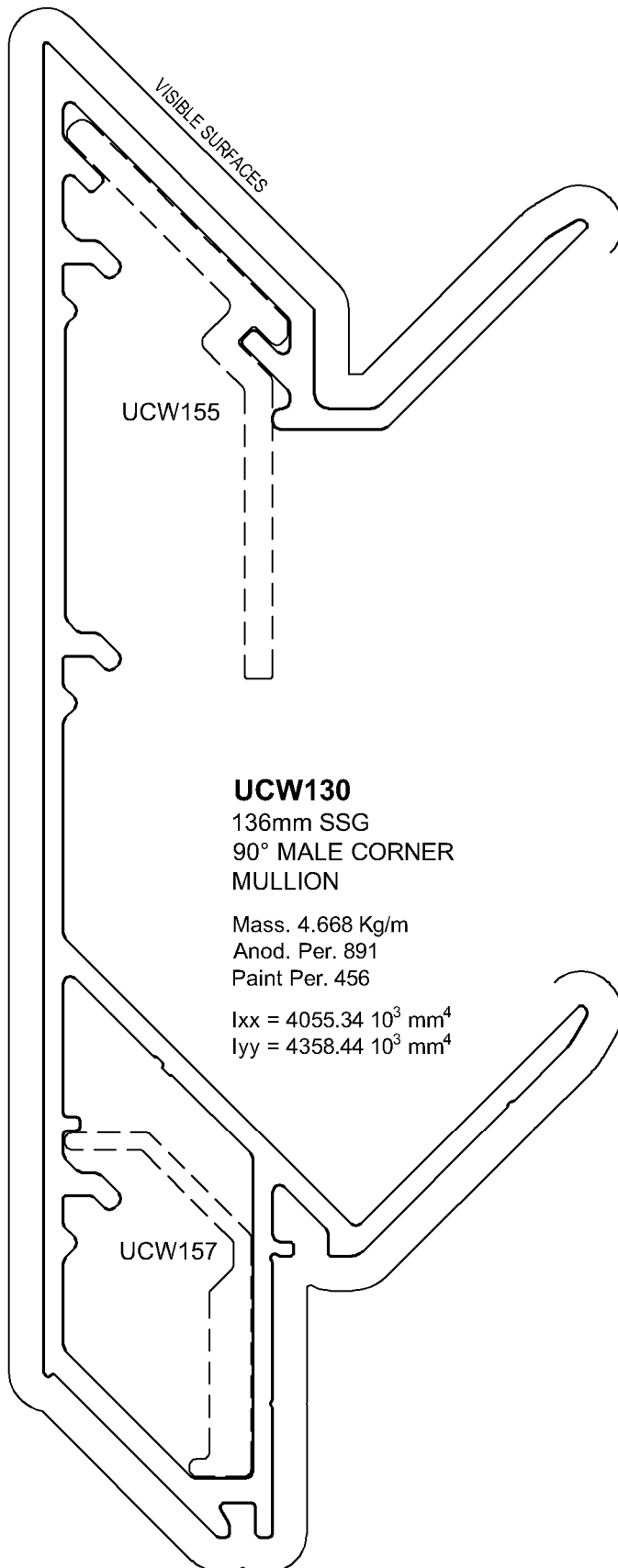
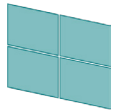
DISCLAIMER:
Please note that the test results shown above reflect specific configurations of a system and are representative only. If a specific high wind load or a different configuration (i.e. changes to frames, transoms, mullions) is required on a project please discuss with Alspec prior to commencement.





5. Extrusions





UCW130
136mm SSG
90° MALE CORNER
MULLION

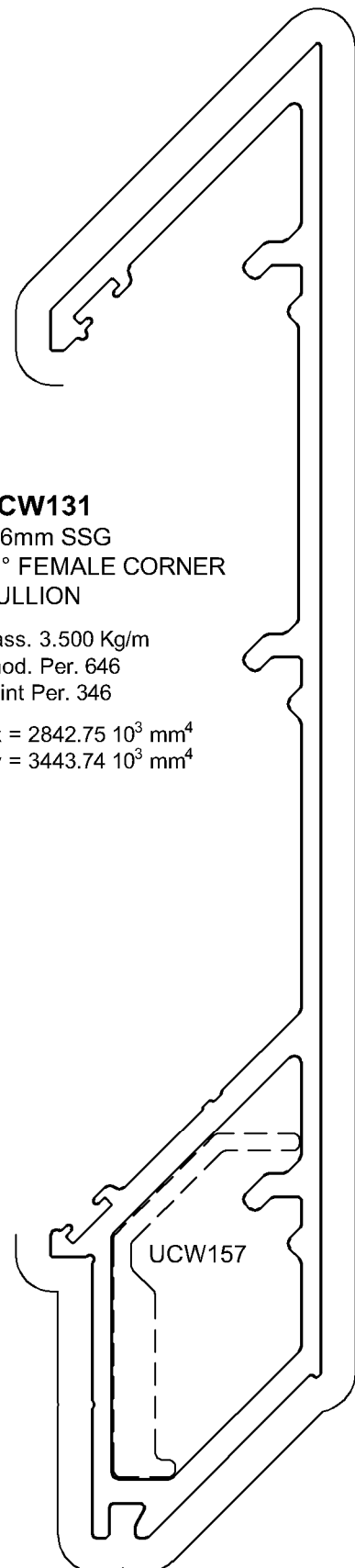
Mass. 4.668 Kg/m
Anod. Per. 891
Paint Per. 456

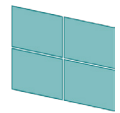
$I_{xx} = 4055.34 \cdot 10^3 \text{ mm}^4$
 $I_{yy} = 4358.44 \cdot 10^3 \text{ mm}^4$

UCW131
136mm SSG
90° FEMALE CORNER
MULLION

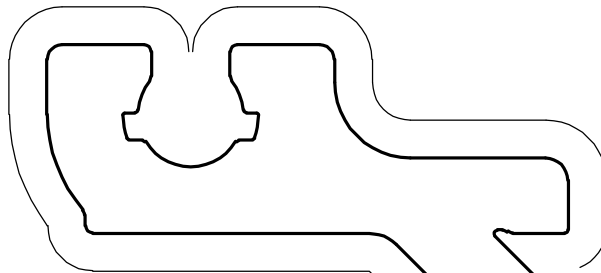
Mass. 3.500 Kg/m
Anod. Per. 646
Paint Per. 346

$I_{xx} = 2842.75 \cdot 10^3 \text{ mm}^4$
 $I_{yy} = 3443.74 \cdot 10^3 \text{ mm}^4$





5. Extrusions



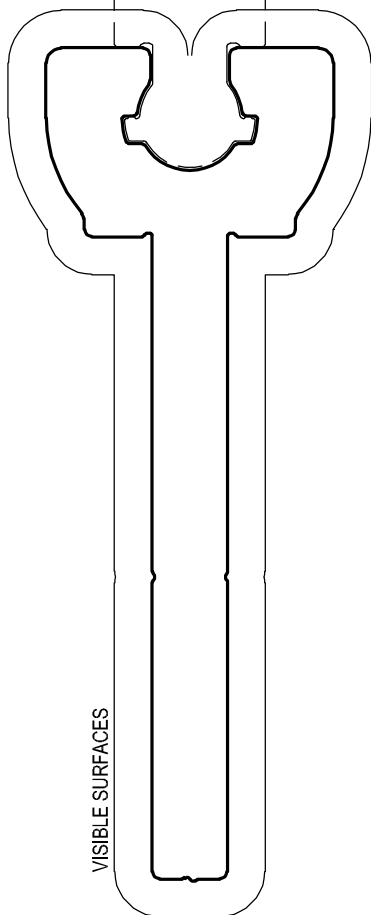
VISIBLE SURFACES

UCW183
136mm SSG
STRUCTURAL CORNER
MULLION BRACKET

Mass. 6.029 Kg/m
Anod. Per. 448
Paint Per. 299



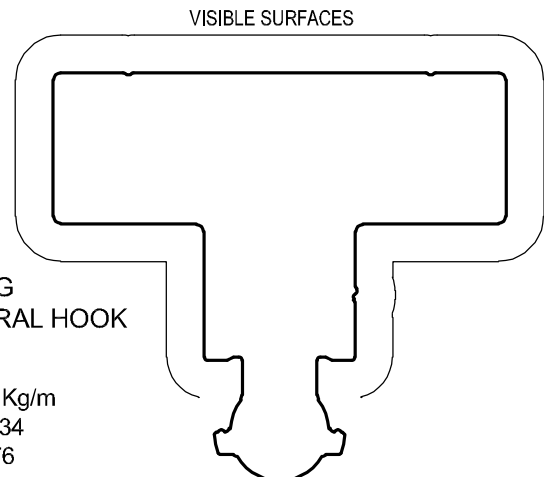
UCW184



VISIBLE SURFACES

UCW182
136mm SSG
STRUCTURAL MULLION
BRACKET

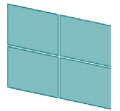
Mass. 4.127 Kg/m
Anod. Per. 325
Paint Per. 279



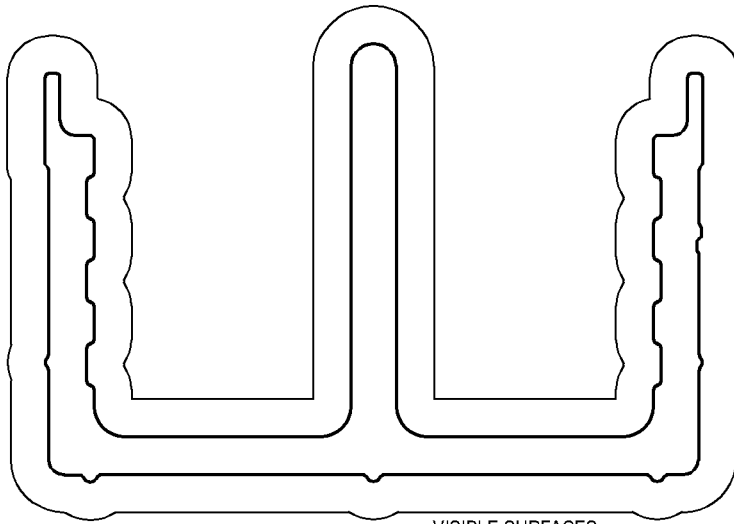
VISIBLE SURFACES

UCW184
136mm SSG
STRUCTURAL HOOK
BRACKET

Mass. 4.707 Kg/m
Anod. Per. 234
Paint Per. 176

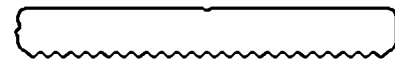


5. Extrusions



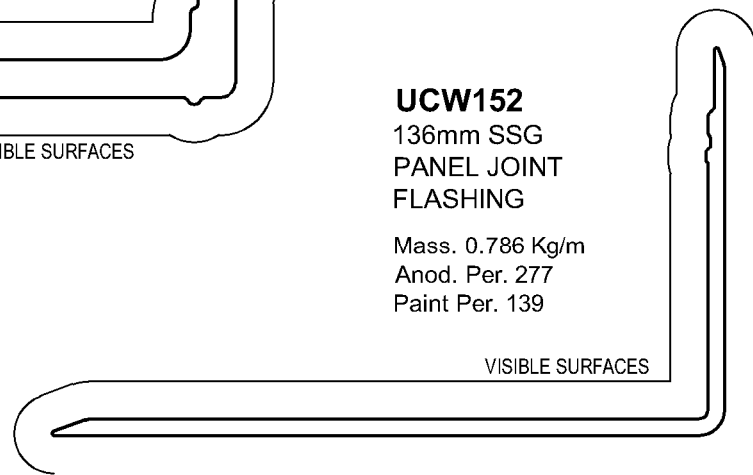
UCW150
136mm SSG
STRUCTURAL SPLICE

Mass. 3.359 Kg/m
Anod. Per. 476
Paint Per. 476



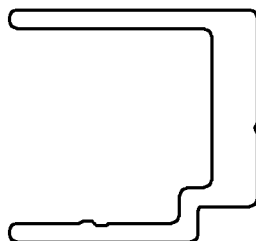
UCW185
136mm SSG
6mm SERRATED WASHER

Mass. 0.827 Kg/m
Anod. Per. 122
NO VISIBLE SURFACE



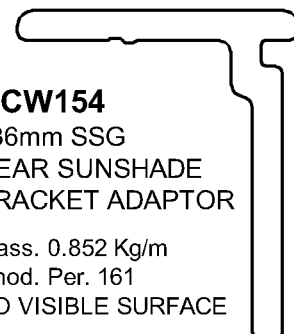
UCW152
136mm SSG
PANEL JOINT
FLASHING

Mass. 0.786 Kg/m
Anod. Per. 277
Paint Per. 139



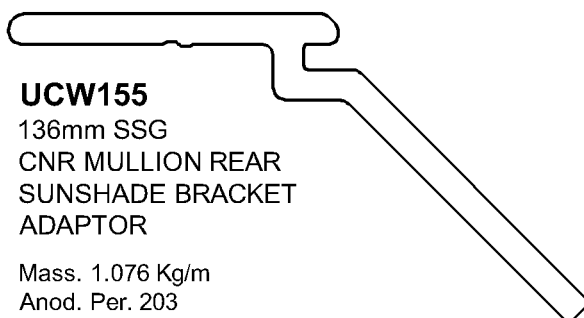
UCW156
136mm SSG
FRONT SUNSHADE
BRACKET ADAPTOR

Mass. 0.814 Kg/m
Anod. Per. 176
NO VISIBLE SURFACE



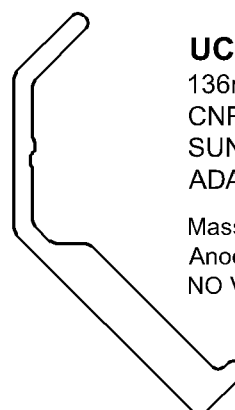
UCW154
136mm SSG
REAR SUNSHADE
BRACKET ADAPTOR

Mass. 0.852 Kg/m
Anod. Per. 161
NO VISIBLE SURFACE



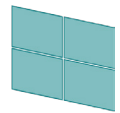
UCW155
136mm SSG
CNR MULLION REAR
SUNSHADE BRACKET
ADAPTOR

Mass. 1.076 Kg/m
Anod. Per. 203
NO VISIBLE SURFACE

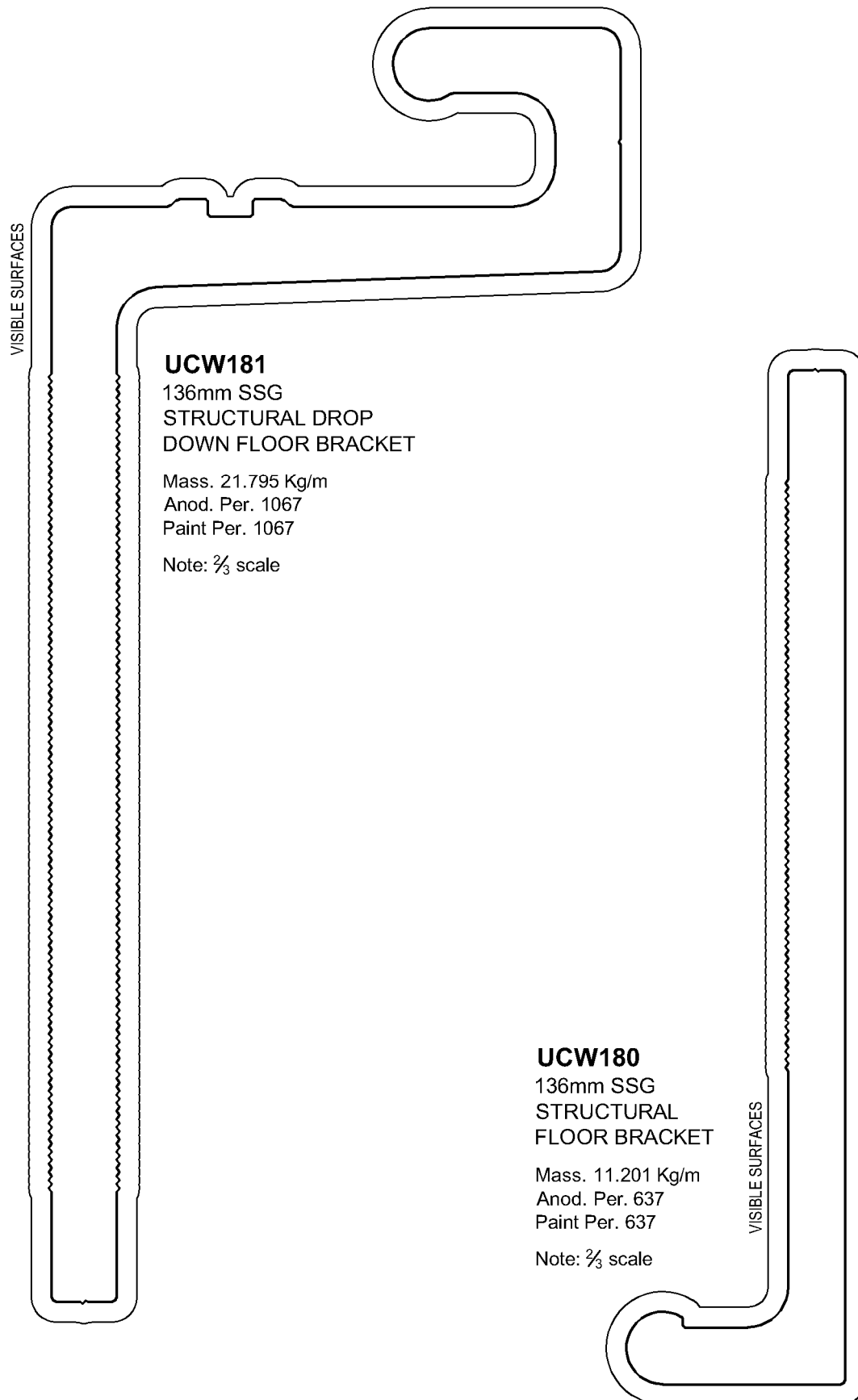


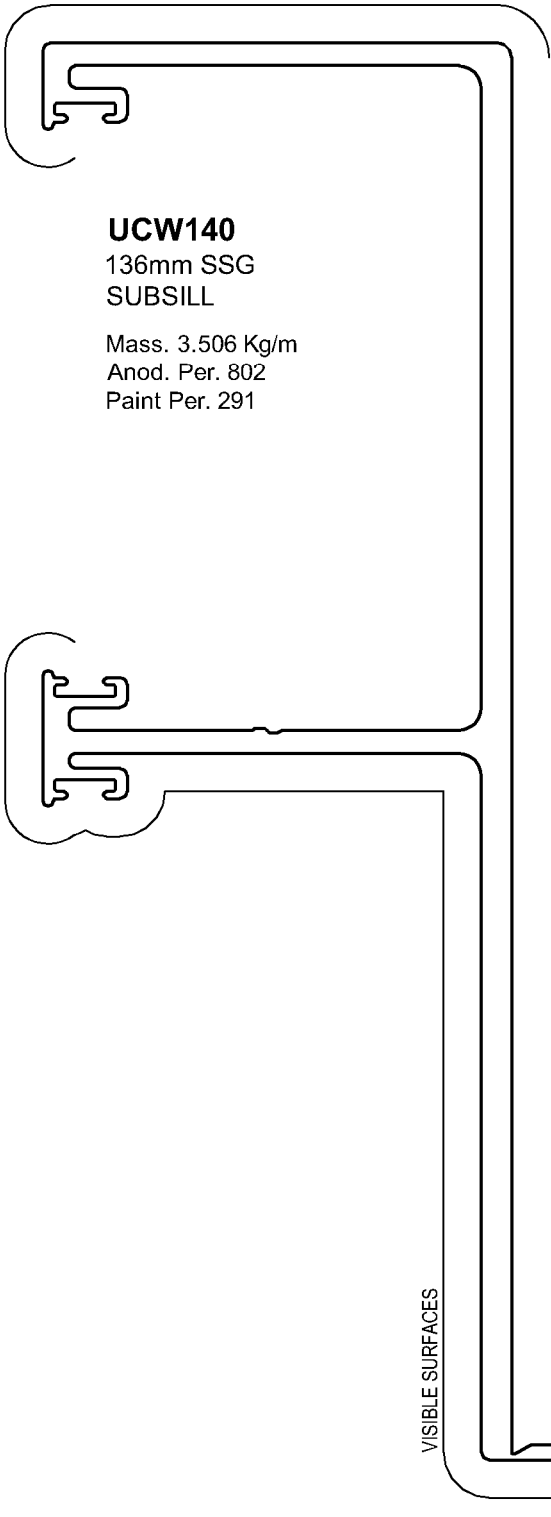
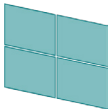
UCW157
136mm SSG
CNR MULLION FRONT
SUNSHADE BRACKET
ADAPTOR

Mass. 0.730 Kg/m
Anod. Per. 145
NO VISIBLE SURFACE



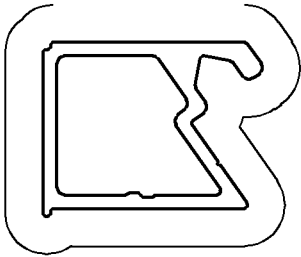
5. Extrusions





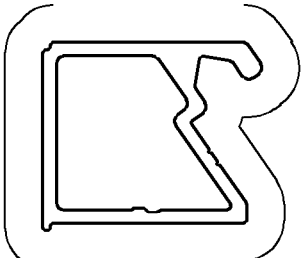
UCW140
136mm SSG
SUBSILL

Mass. 3.506 Kg/m
Anod. Per. 802
Paint Per. 291



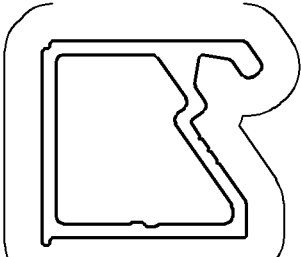
UCW161
136mm SSG
SINGLE GLAZE
ADAPTOR 22mm

Mass. 0.518 Kg/m
Anod. Per. 115
Paint Per. 100



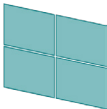
UCW162
136mm SSG
SINGLE GLAZE
ADAPTOR 24mm

Mass. 0.540 Kg/m
Anod. Per. 120
Paint Per. 100

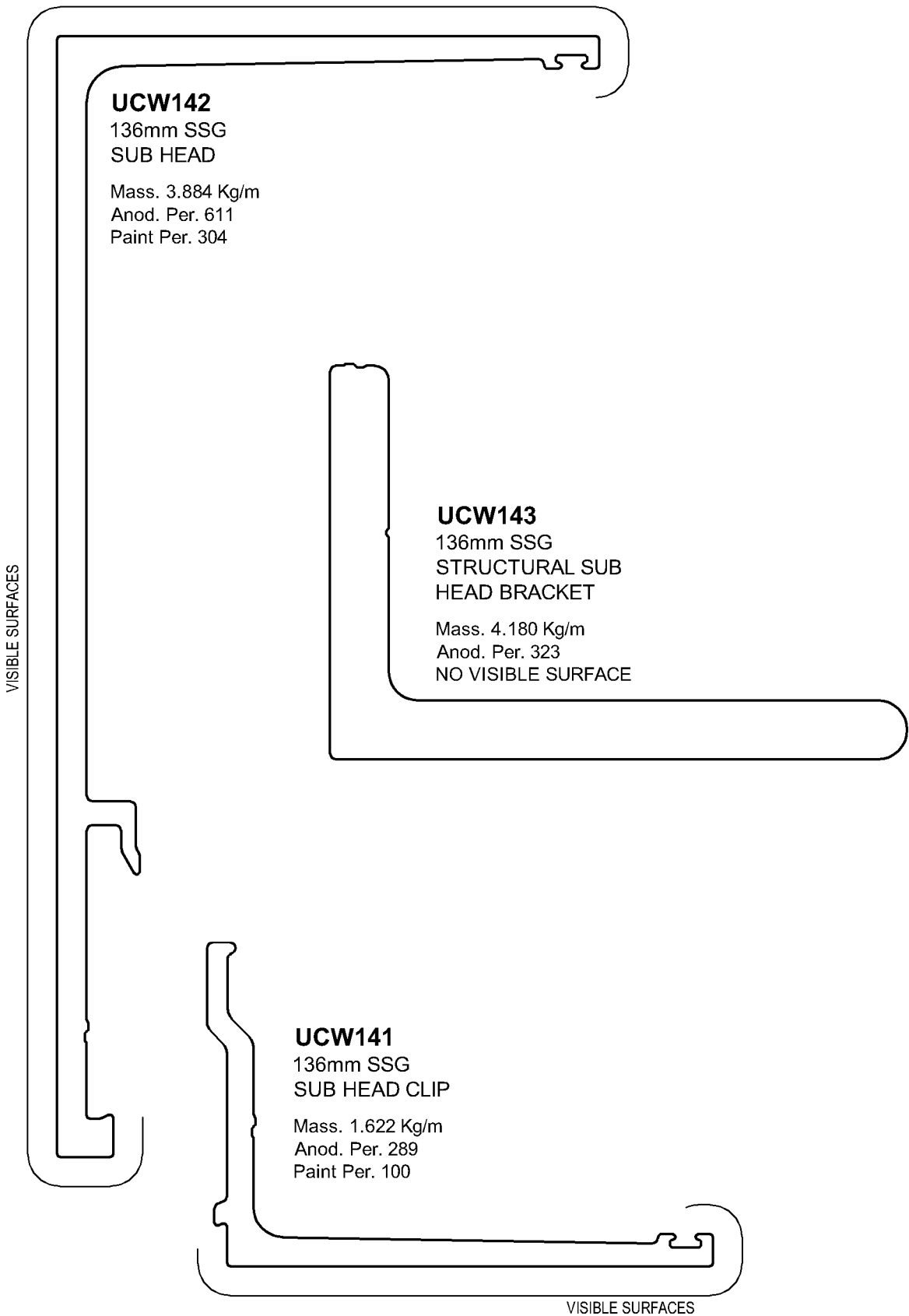


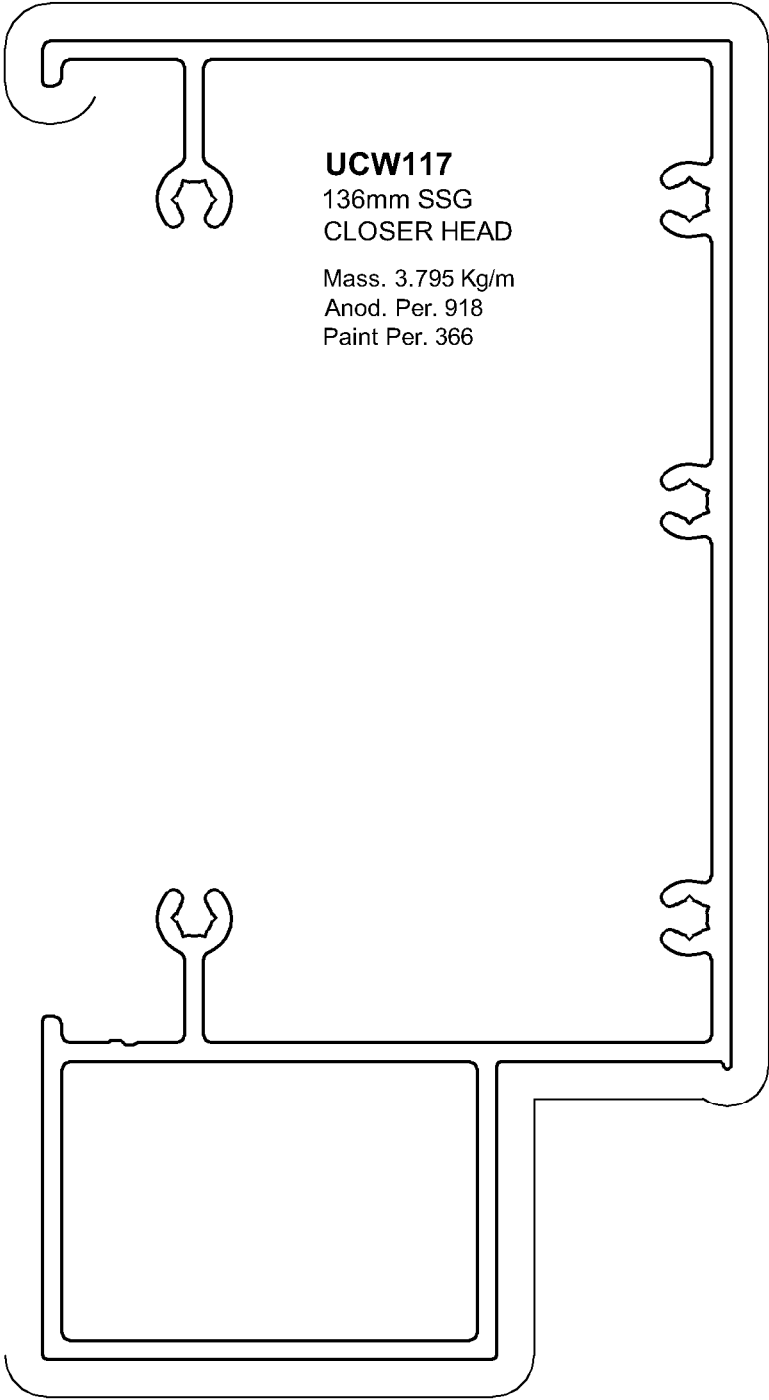
UCW163
136mm SSG
SINGLE GLAZE
ADAPTOR 26mm

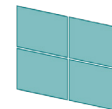
Mass. 0.560 Kg/m
Anod. Per. 124
Paint Per. 100



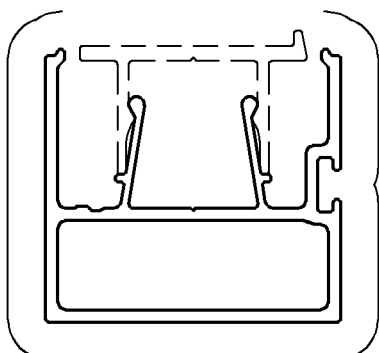
5. Extrusions







5. Extrusions

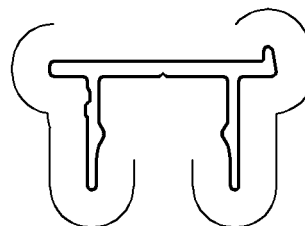


VISIBLE SURFACES

UCW168

136mm SSG
28-30mm IGU
STARTER CAP

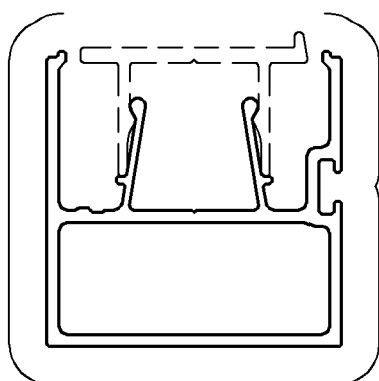
Mass. 0.748 Kg/m
Anod. Per. 268
Paint Per. 114



UCW167

136mm SSG
STARTER FRAME
BASE

Mass. 0.287 Kg/m
Anod. Per. 126
Paint Per. 100

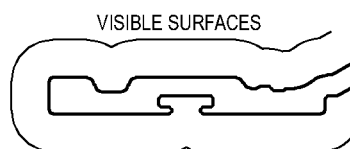


VISIBLE SURFACES

UCW169

136mm SSG
32-34mm IGU
STARTER CAP

Mass. 0.774 Kg/m
Anod. Per. 274
Paint Per. 120

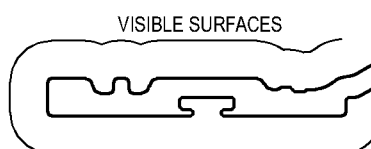


VISIBLE SURFACES

UCW164

136mm SSG
28-30mm IGU
GLAZING BEAD

Mass. 0.428 Kg/m
Anod. Per. 106
Paint Per. 100

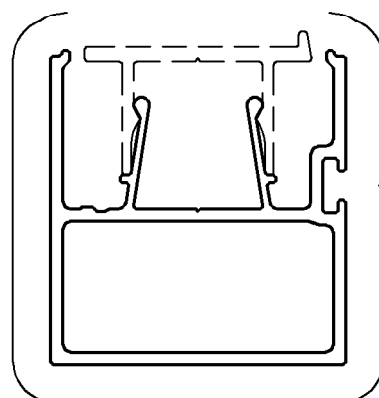


VISIBLE SURFACES

UCW165

136mm SSG
32-34mm IGU
GLAZING BEAD

Mass. 0.463 Kg/m
Anod. Per. 115
Paint Per. 100

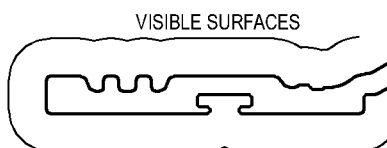


VISIBLE SURFACES

UCW170

136mm SSG
36-38mm IGU
STARTER CAP

Mass. 0.796 Kg/m
Anod. Per. 279
Paint Per. 125

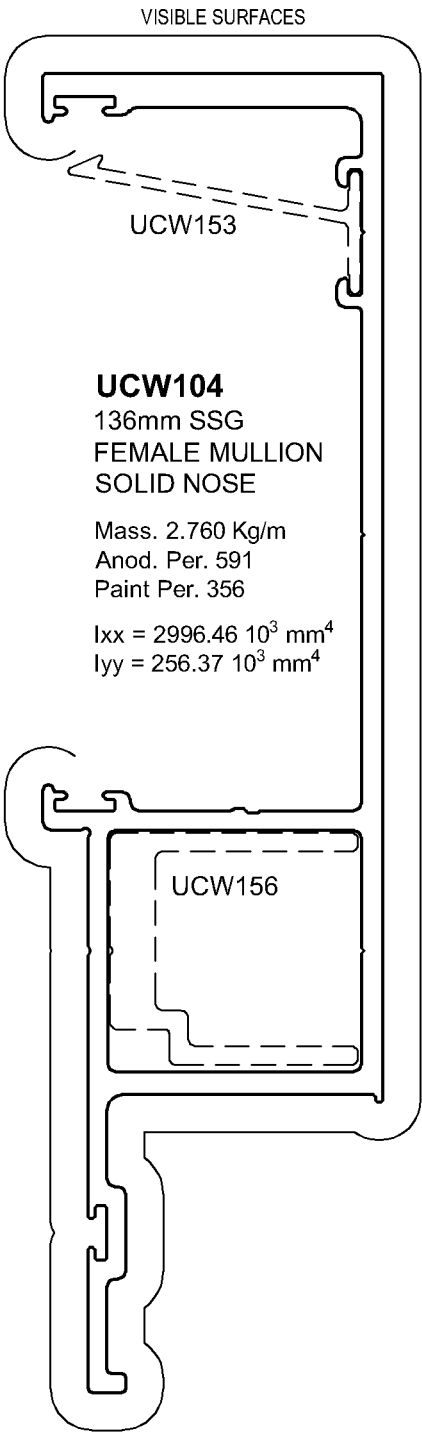
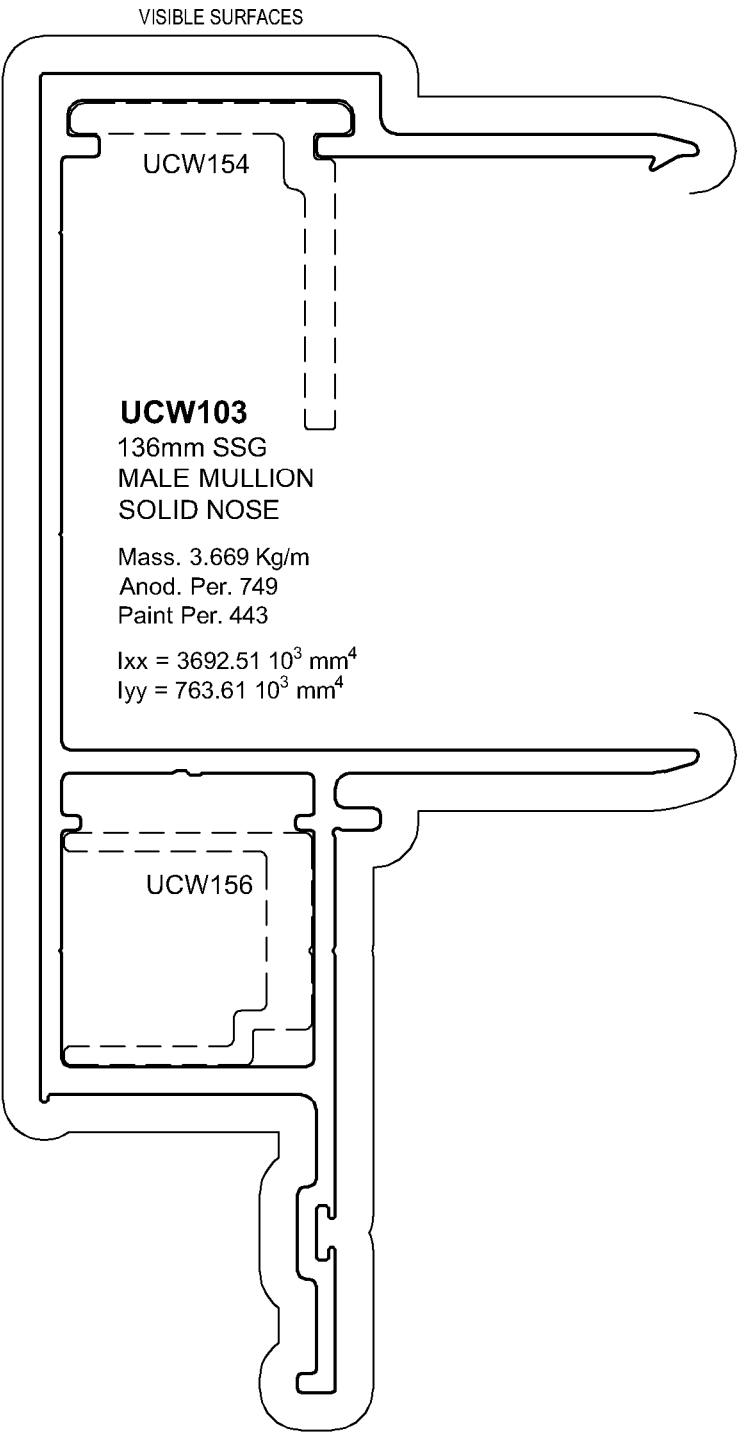
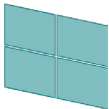


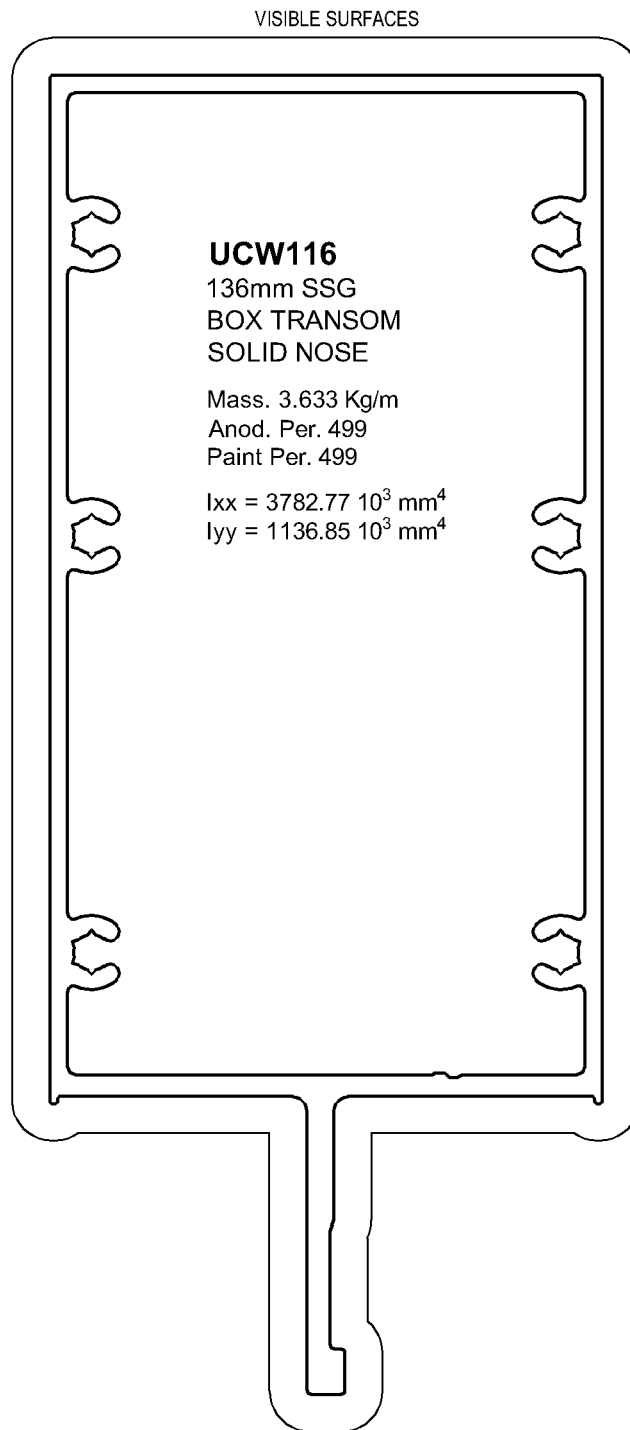
VISIBLE SURFACES

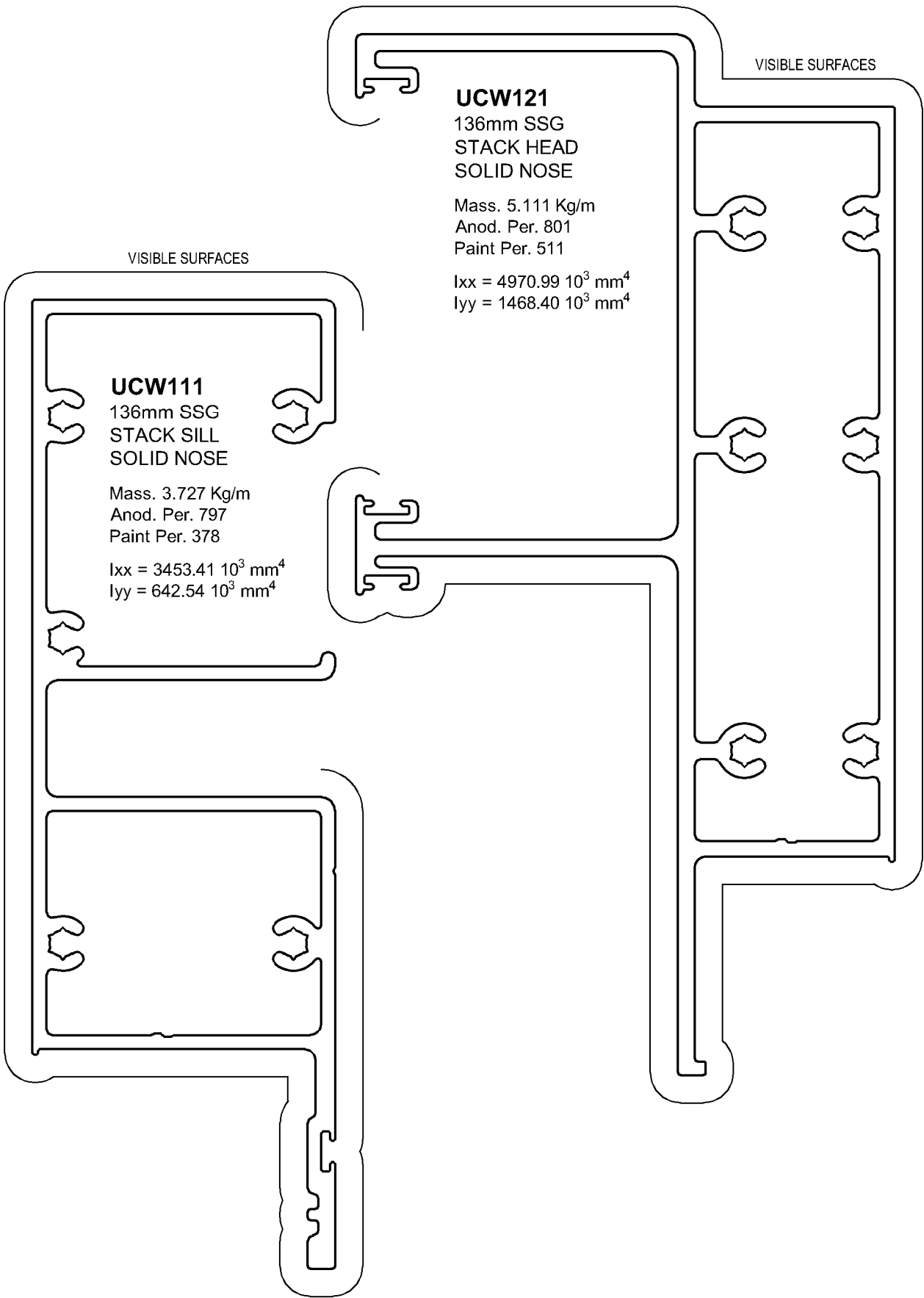
UCW166

136mm SSG
36-38mm IGU
GLAZING BEAD

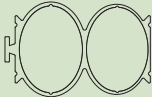
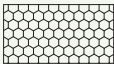
Mass. 0.491 Kg/m
Anod. Per. 123
Paint Per. 100







Seals

IMAGE	PART #	FINISH	DESCRIPTION
	1308388	BLACK (034)	CE20.5 CO-EXT BULB SEAL x 30m
	1308391	BLACK (034)	CE38.5 CO-EXT TWIN BULB SEAL x 1.5m LENGTHS
	1308387	BLACK (034)	DOUBLE SIDED GLAZING TAPE 6mm x 6mm(T) x 7.3m
	1385500	BLACK (034)	DOUBLE SIDED GLAZING TAPE 9mm x 6mm(T) x 7.3m
	1385506	BLACK (034)	DOUBLE SIDED GLAZING TAPE 12mm x 6mm(T) x 7.3m
	1376848	BLACK (034)	WS48 PVC SEAL x 500m
	1376847		WS48 PVC SEAL x 1m
	1376453	BLACK (034)	MS5 HIGH PERFORMANCE V SEAL x 1m
	1378190		MS5 HIGH PERFORMANCE V SEAL x 100m

Fasteners

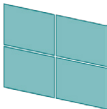
SCREWS			
PART #	HEAD	DESCRIPTION	LOCATION
1382684	SQUARE #3	12g x 1 1/2 (38mm) 304SS SQ #3 PAN S/TAP SCREW x 100	MAIN FRAMING
1382071	PHILLIPS #2	12g x 1 1/2 (38mm) SS PHIL PAN S/TAP SCREW x 100	

Frame Joint Sealant

PART #	DESCRIPTION	QTY
1385097	BOSTIK ALUSEAL SMALL JOINT SEALER TRANSLUCENT	20L PAIL
1385096	BOSTIK ALUSEAL SMALL JOINT SEALER TRANSLUCENT	4L CAN
1385094	BOSTIK ALUSEAL SMALL JOINT SEALER TRANSLUCENT	500 ml BOTTLE

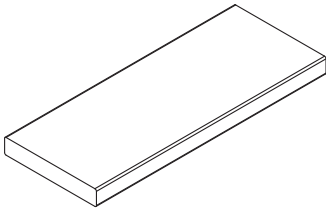
Miscellaneous

PART #	DESCRIPTION	LENGTH
1020201	FLAT BAR 150 x 3mm	4m
1032123	ANGLE 100 x 50 x 3mm	6.5m

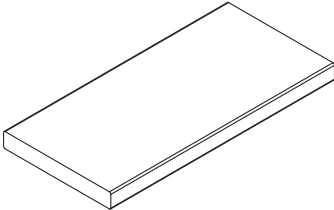


6. Hardware & Components

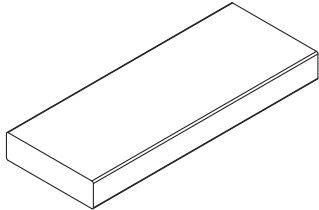
Glazing Accessories



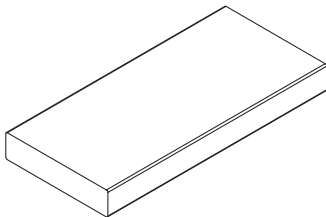
SETTING BLOCK 5 x 30 x 75mm	
PART	1308385
FINISH	BLACK (034)
QTY	BAG OF 50



SETTING BLOCK 5 x 36 x 75mm	
PART	1308386
FINISH	BLACK (034)
QTY	BAG OF 50



SETTING BLOCK 8 x 29 x 75mm	
PART	1376771
FINISH	BLACK (034)
QTY	BAG OF 50



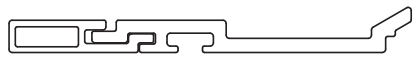
SETTING BLOCK 8 x 35 x 75mm	
PART	1376761
FINISH	BLACK (034)
QTY	BAG OF 50



PA10 28-30mm IGU POLYAMIDE GLAZING BEAD	
PART	1308380
FINISH	BLACK (034)
QTY	EACH 4.0m



PA11 32-34mm IGU POLYAMIDE GLAZING BEAD	
PART	1308381
FINISH	BLACK (034)
QTY	EACH 4.0m

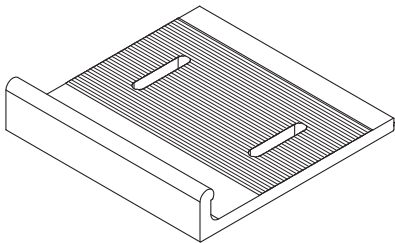


PA12 36-38mm IGU POLYAMIDE GLAZING BEAD	
PART	1308382
FINISH	BLACK (034)
QTY	EACH 4.0m

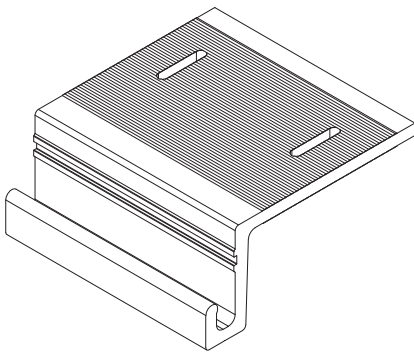
PA13 28-34mm IGU CNR MULLION POLYAMIDE GLAZING BEAD	
PART	1308383
FINISH	BLACK (034)
QTY	EACH 4.0m

PA14 36-38mm IGU CNR MULLION POLYAMIDE GLAZING BEAD	
PART	1308384
FINISH	BLACK (034)
QTY	EACH 4.0m

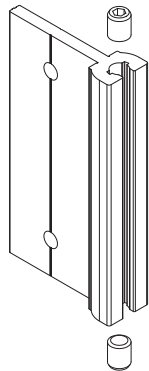
Bracketry



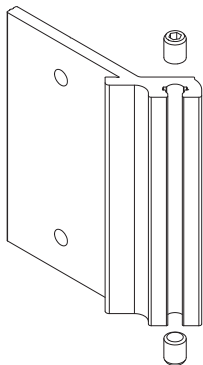
CP104 STRUCTURAL FLOOR BRACKET	
PART	1606890
FINISH	ANODISED (008)
QTY	EACH



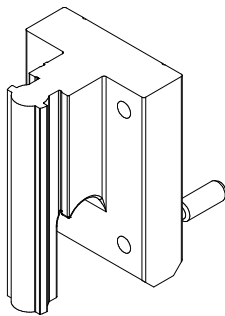
CP105 STRUCTURAL DROP DOWN FLOOR BRACKET	
PART	1606891
FINISH	ANODISED (008)
QTY	EACH



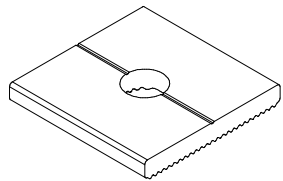
CP101 MULLION BRACKET SET	
PART	1606892
FINISH	BLACK (034)
QTY	EACH



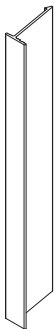
CP102 CORNER MULLION BRACKET SET	
PART	1606893
FINISH	BLACK (034)
QTY	EACH



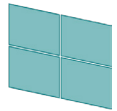
CP103 HOOK BRACKET SET	
PART	1606894
FINISH	BLACK (034)
QTY	EACH



CP106 SERRATED WASHER	
PART	1606895
FINISH	MILL (001)
QTY	EACH



CP107 MULLION CLIP 200mm	
PART	1606899
FINISH	MILL (001)
QTY	EACH



Silicone



100% NEUTRAL CURE SILICONE

- Premium 100% silicone
- UV Stable
- Superior adhesion
- Flexible + 25%
- AS4020 Approved



100% MATTE NEUTRAL CURE SILICONE

- Premium 100% silicone
- Matte finish
- UV Stable
- Outstanding elongation
- Higher strength



41 CLADDING SILICONE

- Premium 100% silicone
- UV Stable
- Superior adhesion
- Movement capability + 50%



WET AREA SILICONE

- Premium 100% silicone
- Mould inhibited
- Movement capability + 25%
- UV Stable
- Non corrosive
- Superior adhesion



HYBRID PU ADHESIVE SEALANT

- No isocyanates
- Internal/External
- No shrinking/staining
- Paintable
- Excellent adhesion



20 ACETIC CURE SILICONE

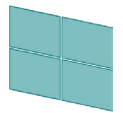
- Premium 100% silicone
- UV Stable
- Superior adhesion
- Flexible + 25%



D60 SILICONE

- Premium 100% silicone
- UV Stable
- 2-5 minute skin time
- Flexible + 25%
- No slump

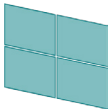
*For more information on silicones,
please refer to Alspec Silicone Brochure.



6. Hardware & Components

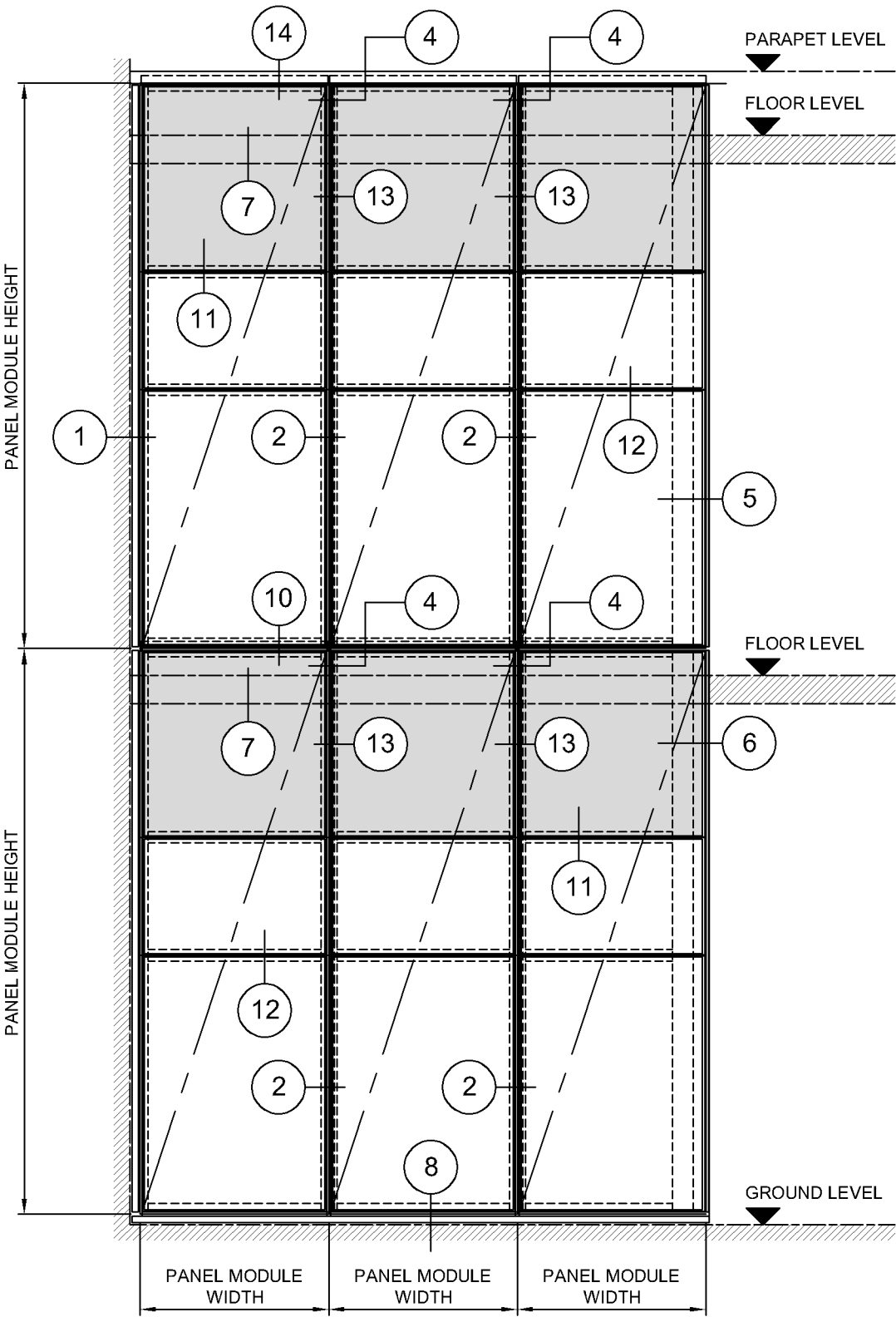
Silicone Product Codes

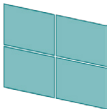
Product Category	Item No.	Alspec Part No. Code	Description	Finish	Pack
ALSPEC 100%	1	1386113	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	ALMOND IVORY	CARTRIDGE
	2	1386114	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	ALUMINIUM	CARTRIDGE
	3	1386105	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	BLACK	CARTRIDGE
	4	1386140	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	CAULFIELD GREEN	CARTRIDGE
	5	1386111	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	CLASSIC CREAM	CARTRIDGE
	6	1386108	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	GREY	CARTRIDGE
	7	1386138	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	MONUMENT	CARTRIDGE
	8	1386112	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	OFF WHITE	CARTRIDGE
	9	1386141	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	STONE BEIGE	CARTRIDGE
	10	1386101	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	TRANSLUCENT	CARTRIDGE
	11	1386106	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	WHITE	CARTRIDGE
	12	1386143	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	WOODLAND GREY	CARTRIDGE
ALSPEC 100% MATT	13	1386103	ALSPEC 100% NEUTRAL CURE SILICONE x 420g CAT	BLACK MATT	CARTRIDGE
	14	1386107	ALSPEC 100% NEUTRAL CURE SILICONE x 420g CAT	GREY MATT	CARTRIDGE
	15	1386144	ALSPEC 100% NEUTRAL CURE SILICONE x 420g CAT	WHITE MATT	CARTRIDGE
ALSPEC 20	16	1386115	ALSPEC 20 SILICONE x 310g CAT	TRANSLUCENT	CARTRIDGE
ALSPEC 41 CLADDING	17	1386159	ALSPEC 41 SILICONE x 400g CAT	BLACK MATT	CARTRIDGE
	18	1386117	ALSPEC 41 SILICONE x 600ml SAU	BLACK MATT	SAUSAGE
	19	1386158	ALSPEC 41 SILICONE x 400g CAT	LIGHT GREY MATT	CARTRIDGE
	20	1386118	ALSPEC 41 SILICONE x 600ml SAU	LIGHT GREY MATT	SAUSAGE
	21	1386157	ALSPEC 41 SILICONE x 400g CAT	WHITE MATT	CARTRIDGE
	22	1386145	ALSPEC 41 SILICONE x 600ml SAU	WHITE MATT	SAUSAGE
ALSPEC D60	23	1386121	ALSPEC D60 SILICONE x 310g CAT	BLACK	CARTRIDGE
	25	1386123	ALSPEC D60 SILICONE x 310g CAT	GREY	CARTRIDGE
	26	1386120	ALSPEC D60 SILICONE x 310g CAT	TRANSLUCENT	CARTRIDGE
	27	1386124	ALSPEC D60 SILICONE x 310g CAT	WHITE	CARTRIDGE
ALSPEC HYBRID PU	28	1386127	ALSPEC HYBRID PU x 480g CAT	BLACK	CARTRIDGE
	29	1386126	ALSPEC HYBRID PU x 600ml SAU	BLACK	SAUSAGE
	30	1386160	ALSPEC HYBRID PU x 480g CAT	GREY	CARTRIDGE
	31	1386128	ALSPEC HYBRID PU x 600ml SAU	GREY	SAUSAGE
	32	1386130	ALSPEC HYBRID PU x 480g CAT	WHITE	CARTRIDGE
	33	1386129	ALSPEC HYBRID PU x 600ml SAU	WHITE	SAUSAGE
ALSPEC WET AREA	34	1386137	ALSPEC WET AREA SILICONE x 310g CAT	ALMOND IVORY	CARTRIDGE
	35	1386139	ALSPEC WET AREA SILICONE x 310g CAT	BLACK	CARTRIDGE
	36	1386146	ALSPEC WET AREA SILICONE x 310g CAT	BLUESTONE	CARTRIDGE
	37	1386147	ALSPEC WET AREA SILICONE x 310g CAT	CHARCOAL	CARTRIDGE
	38	1386136	ALSPEC WET AREA SILICONE x 310g CAT	LIGHT GREY	CARTRIDGE
	39	1386148	ALSPEC WET AREA SILICONE x 310g CAT	MID GREY	CARTRIDGE
	40	1386149	ALSPEC WET AREA SILICONE x 310g CAT	OFF WHITE	CARTRIDGE
	41	1386150	ALSPEC WET AREA SILICONE x 310g CAT	PEWTER	CARTRIDGE
	42	1386151	ALSPEC WET AREA SILICONE x 310g CAT	STONE BEIGE	CARTRIDGE
	43	1386154	ALSPEC WET AREA SILICONE x 310g CAT	TAUPE	CARTRIDGE
	44	1386152	ALSPEC WET AREA SILICONE x 310g CAT	TILE GREY	CARTRIDGE
	45	1386133	ALSPEC WET AREA SILICONE x 310g CAT	TRANSLUCENT	CARTRIDGE
	46	1386153	ALSPEC WET AREA SILICONE x 310g CAT	TRAVERTINE	CARTRIDGE
	47	1386134	ALSPEC WET AREA SILICONE x 310g CAT	WHITE	CARTRIDGE



7. Typical Elevation

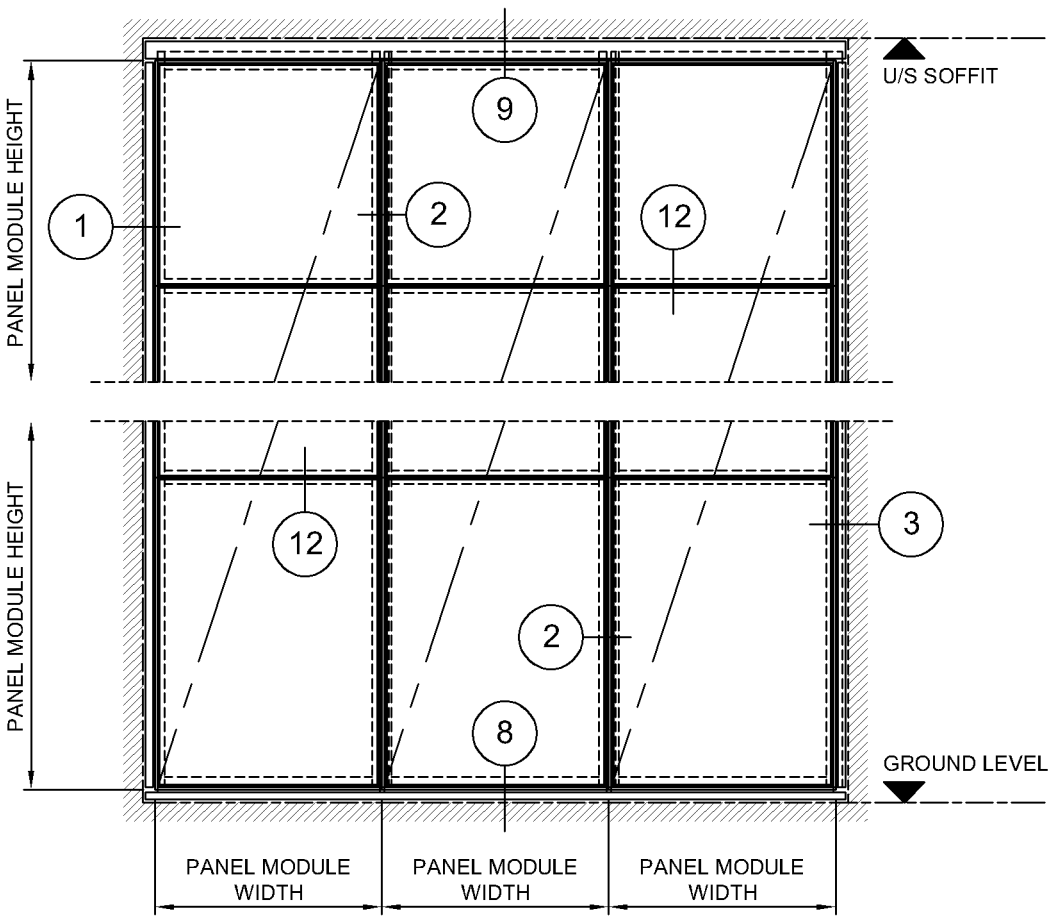
Multi Floor Installation





7. Typical Elevation

Single Floor Installation



JAMB INTERFACE, FIXING AND SEALANT DETAIL BY INSTALLER FOR PROJECT SPECIFIC REQUIREMENTS

150x3mm ALUMINIUM FLAT BAR FABRICATED GUTTER END PLATE FULLY SEALED AND SCREW FIXED TO STARTER JAMB ASSEMBLY. REFER TO SECTION 11 ASSEMBLY DETAILS

UCW150 STRUCTURAL SPLICE *250mm LONG TIGHT TO GUTTER END PLATE FULLY SEALED AND TOOLED IN WITH LOW MODULUS SILICONE

102
45 12 45

CP107 ANTI BUCKLING MULLION CLIP
1606899

MS5 HIGH PERF. V SEAL
1378190

STRUCTURAL SILICONE & BITE WIDTH DETERMINED BY INSTALLER FOR PROJECT SPECIFIC REQUIREMENTS

6.4mm DOUBLE SIDED STRUCTURAL GLAZING TAPE
REFER TO SECTION 12 - GLAZING

UCW101

UCW102

UCW167

UCW168

UCW152 PANEL JOINT FLASHING CUT TO 150mm AND FULLY BED IN SEALANT ACROSS PANEL JOINT

OPEN CELL BACKING ROD AND SILICONE WEATHER SEAL

CE20.5 CO-EX BULB SEAL
1308388

8

12 12

25

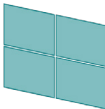
GLASS WIDTH

PANEL MODULE CENTRES

51

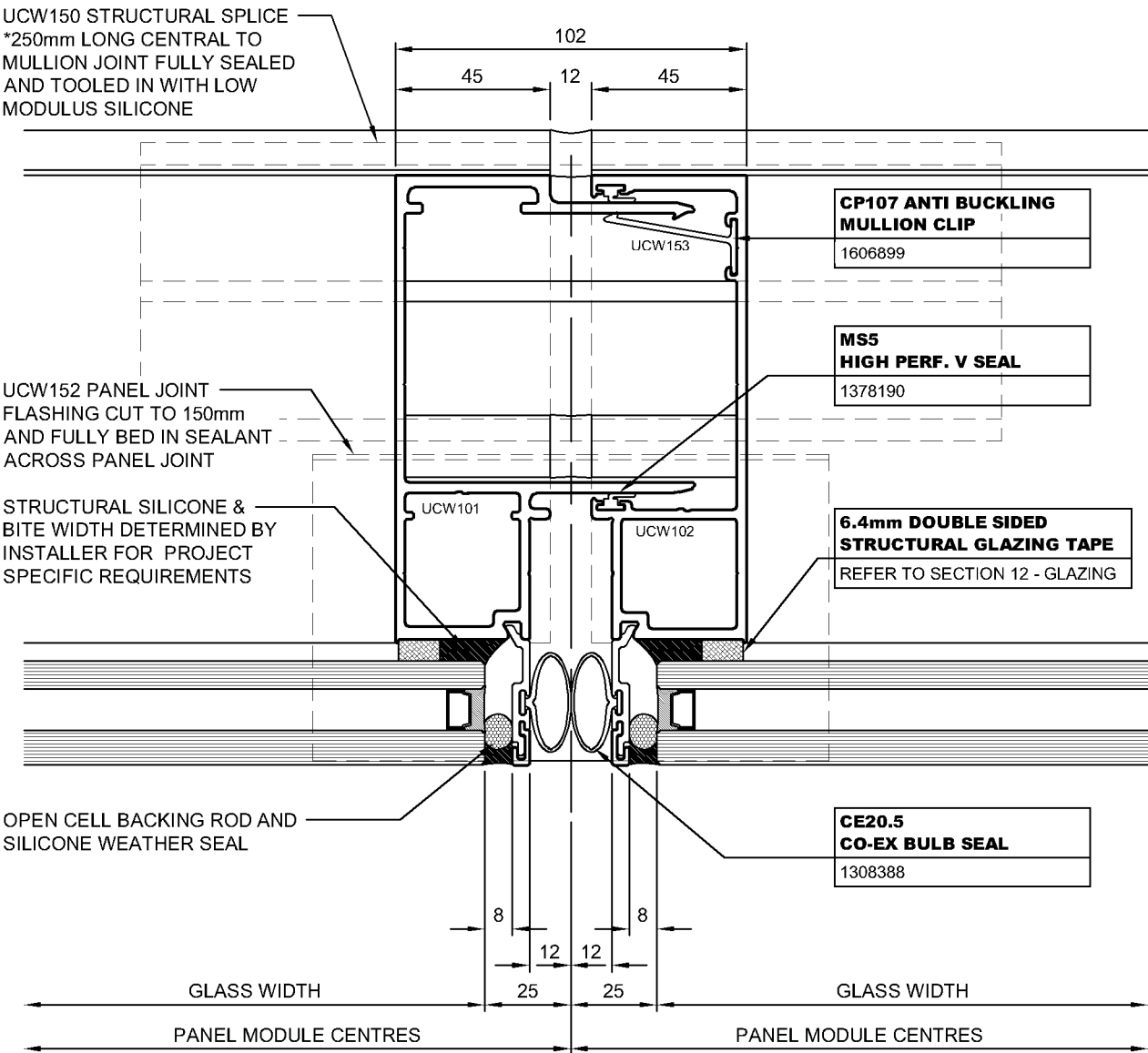
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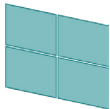
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8. Typical Details

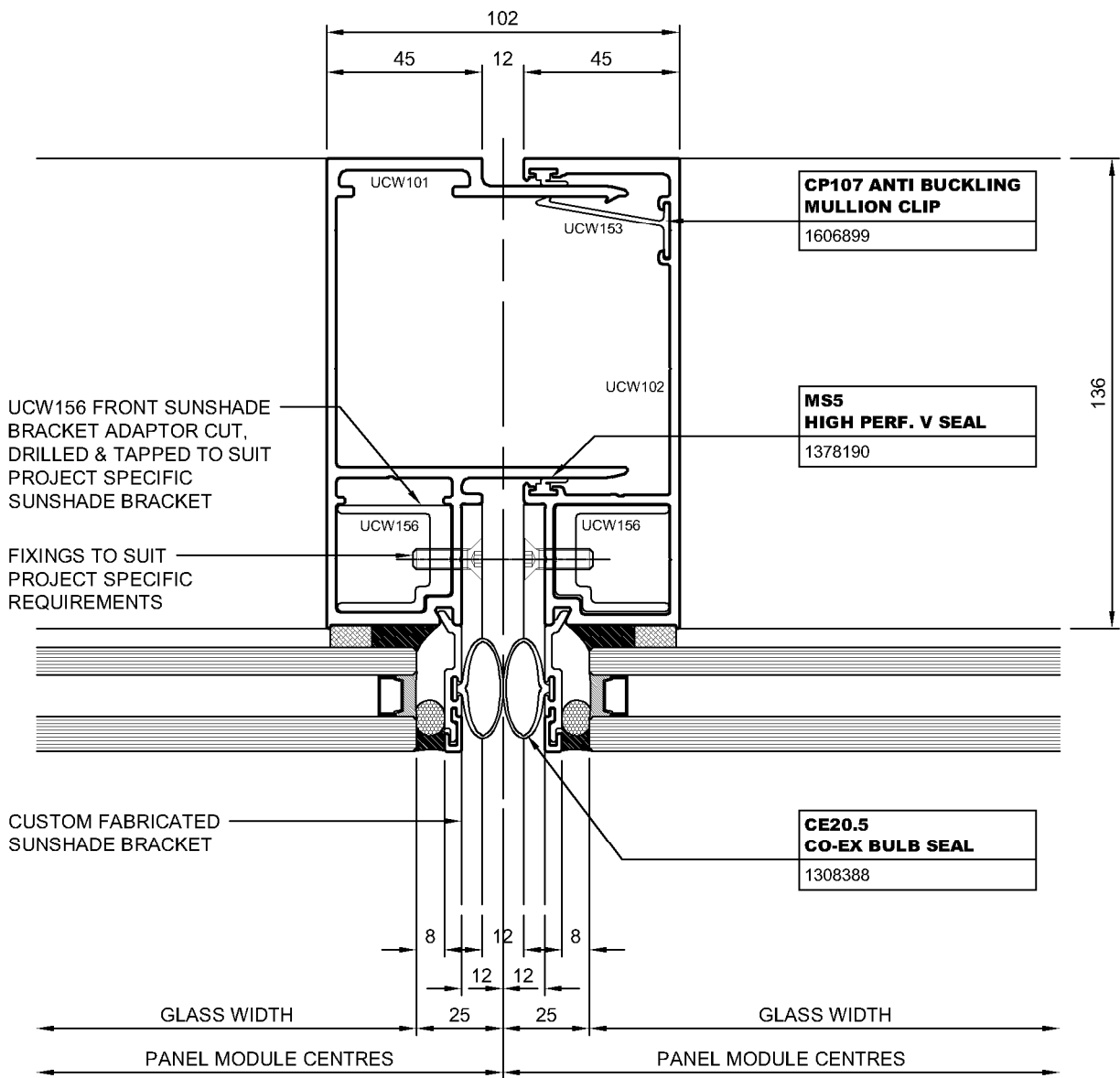
Typical Mullion Detail



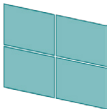


8. Typical Details

Mullion Detail @ Horizontal Sunshade Bracket Connection

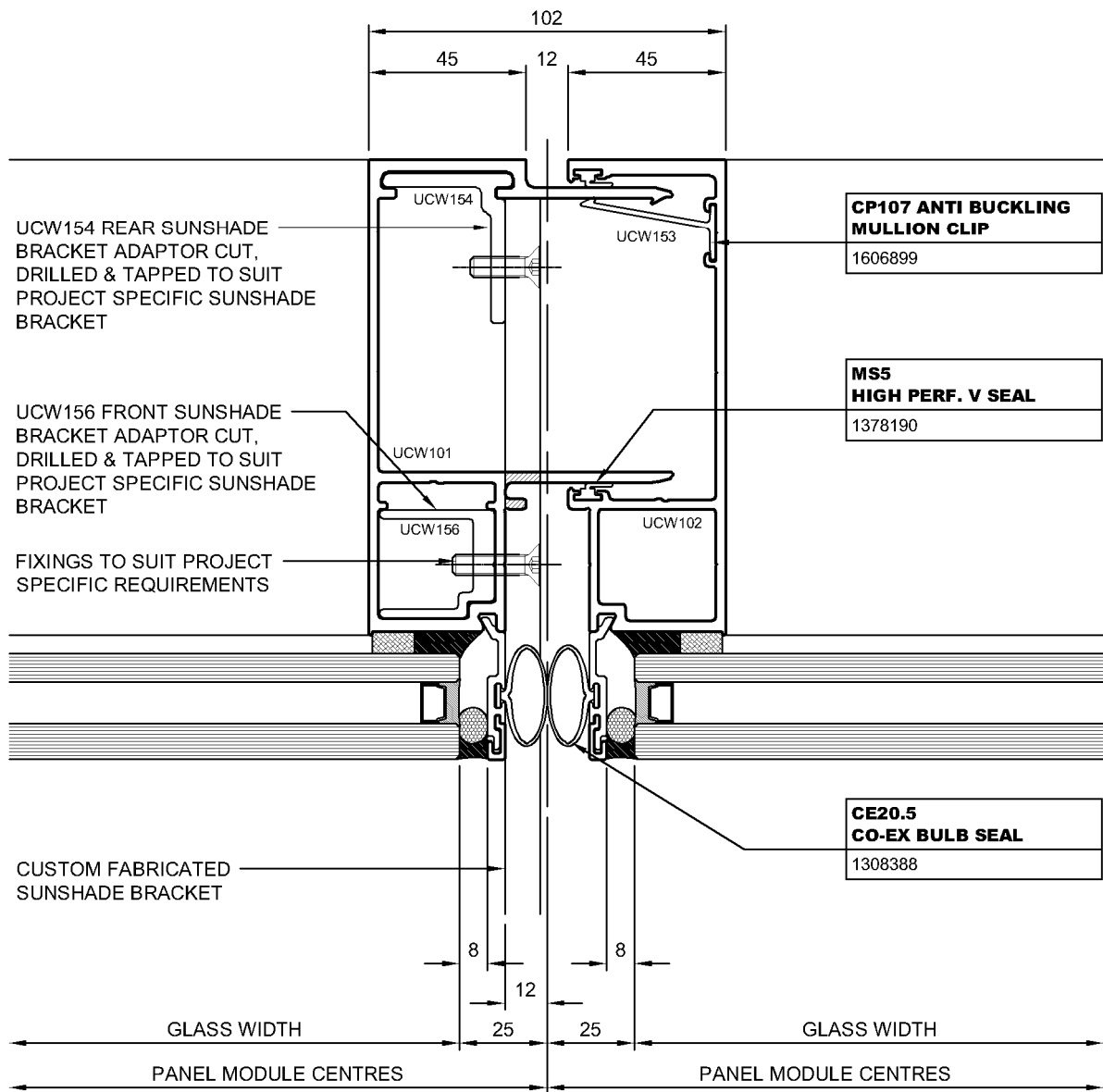


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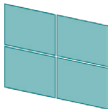


8. Typical Details

Mullion Detail @ Vertical Sunshade Bracket Connection

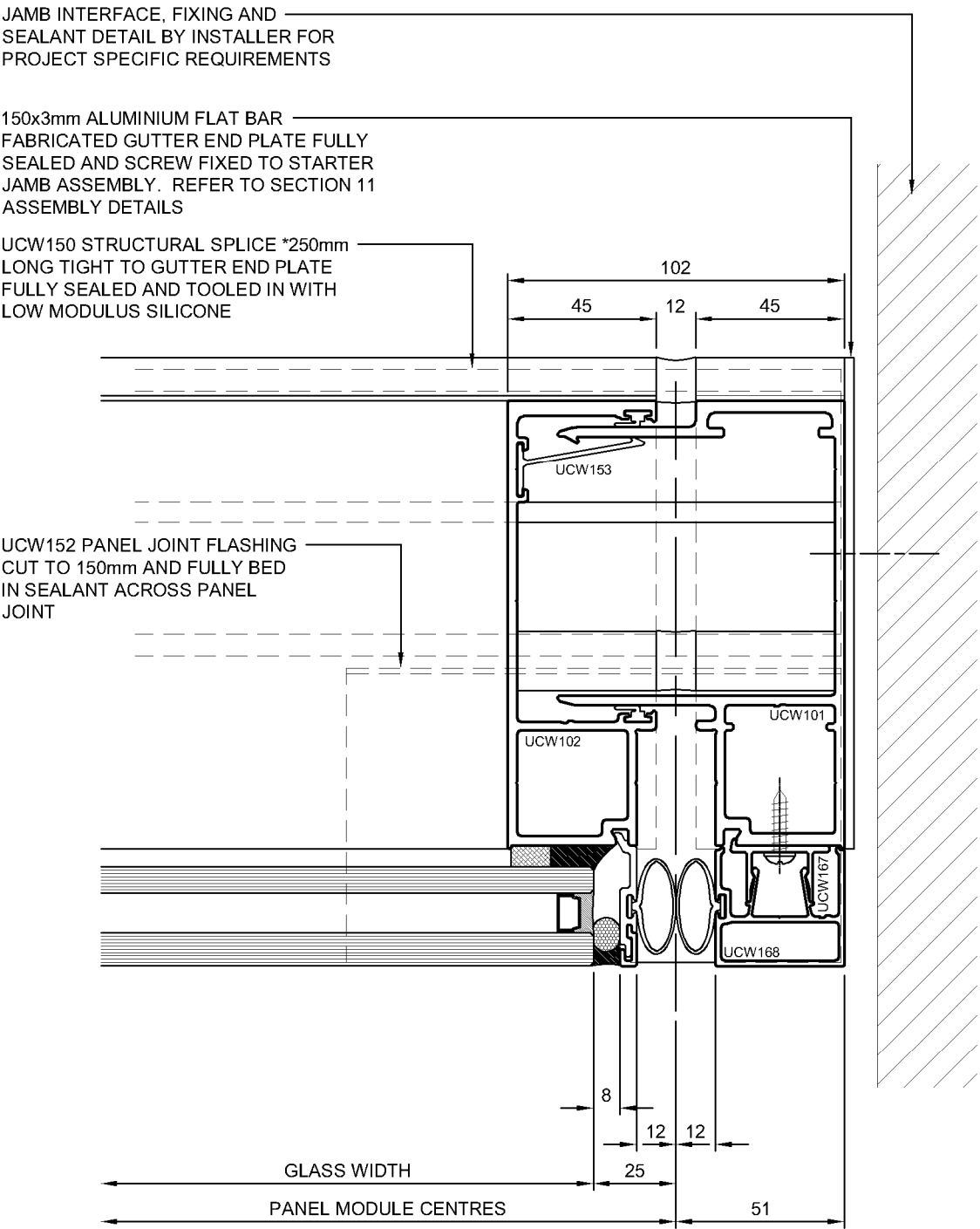


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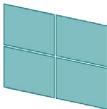


8. Typical Details

Closer Jamb Detail

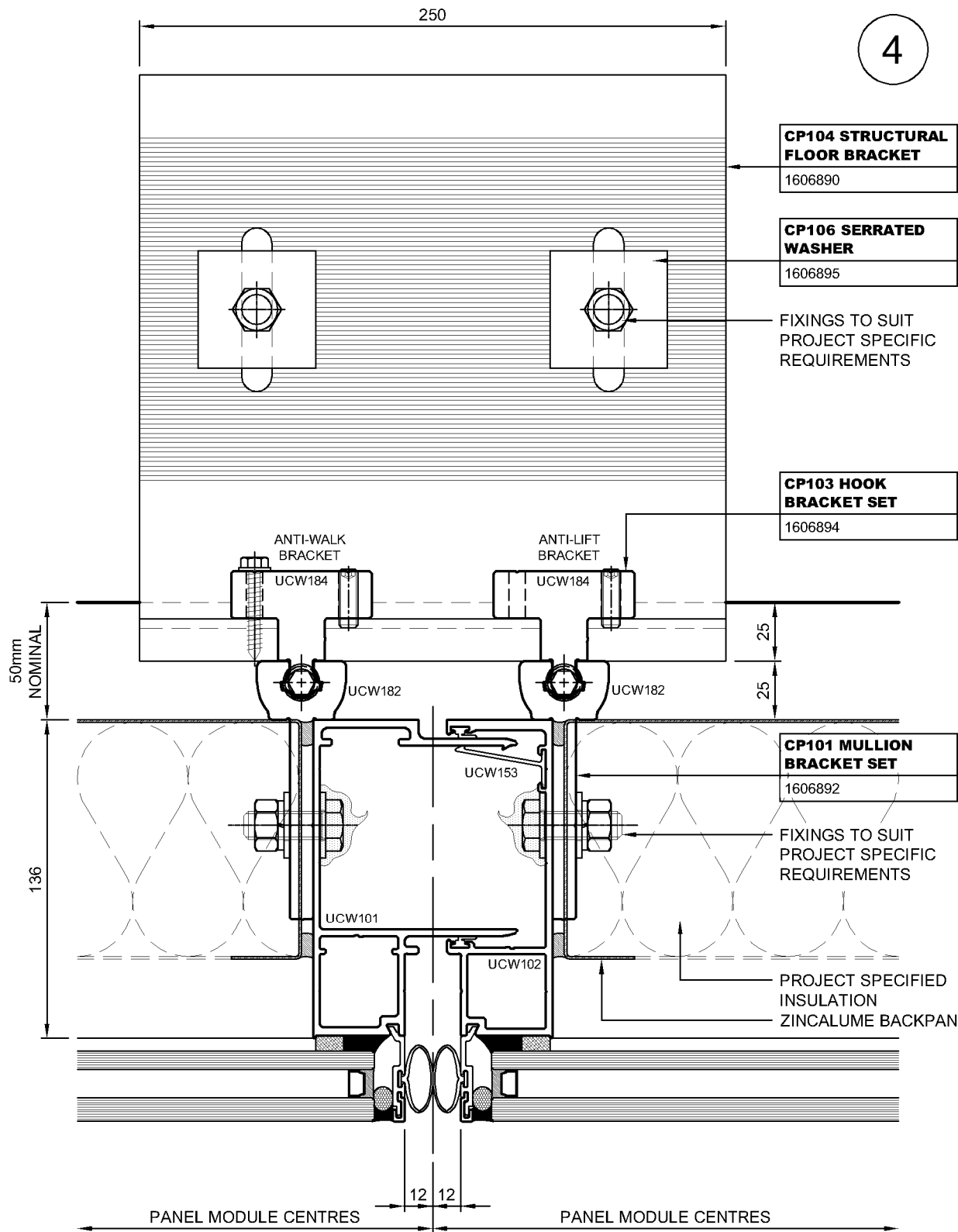


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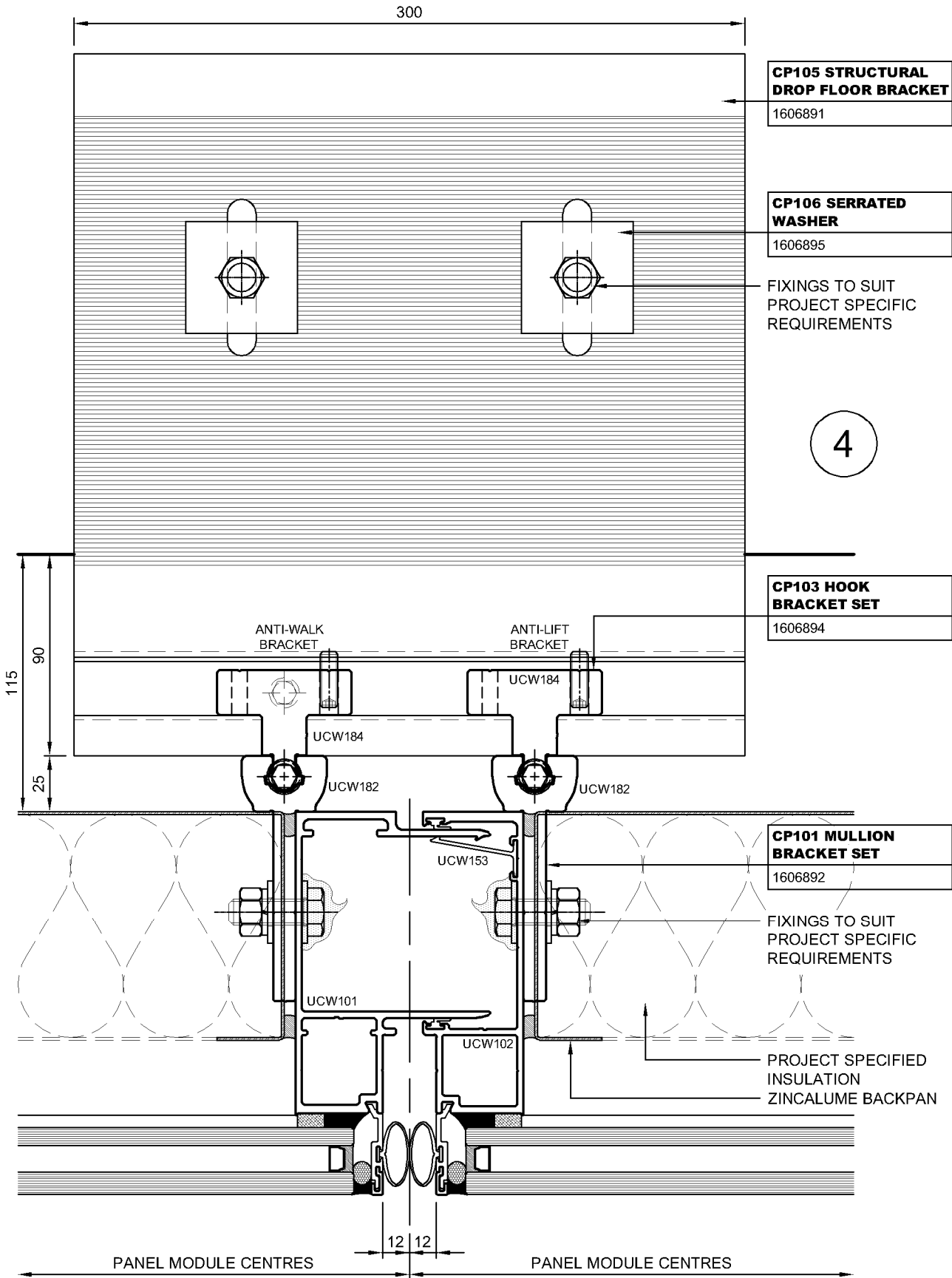
8. Typical Details

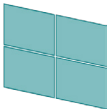
Mullion Detail @ Structural Bracket Connection - Top Mounted Floor Bracket



8. Typical Details

Mullion Detail @ Structural Bracket Connection - Drop Down Floor Bracket

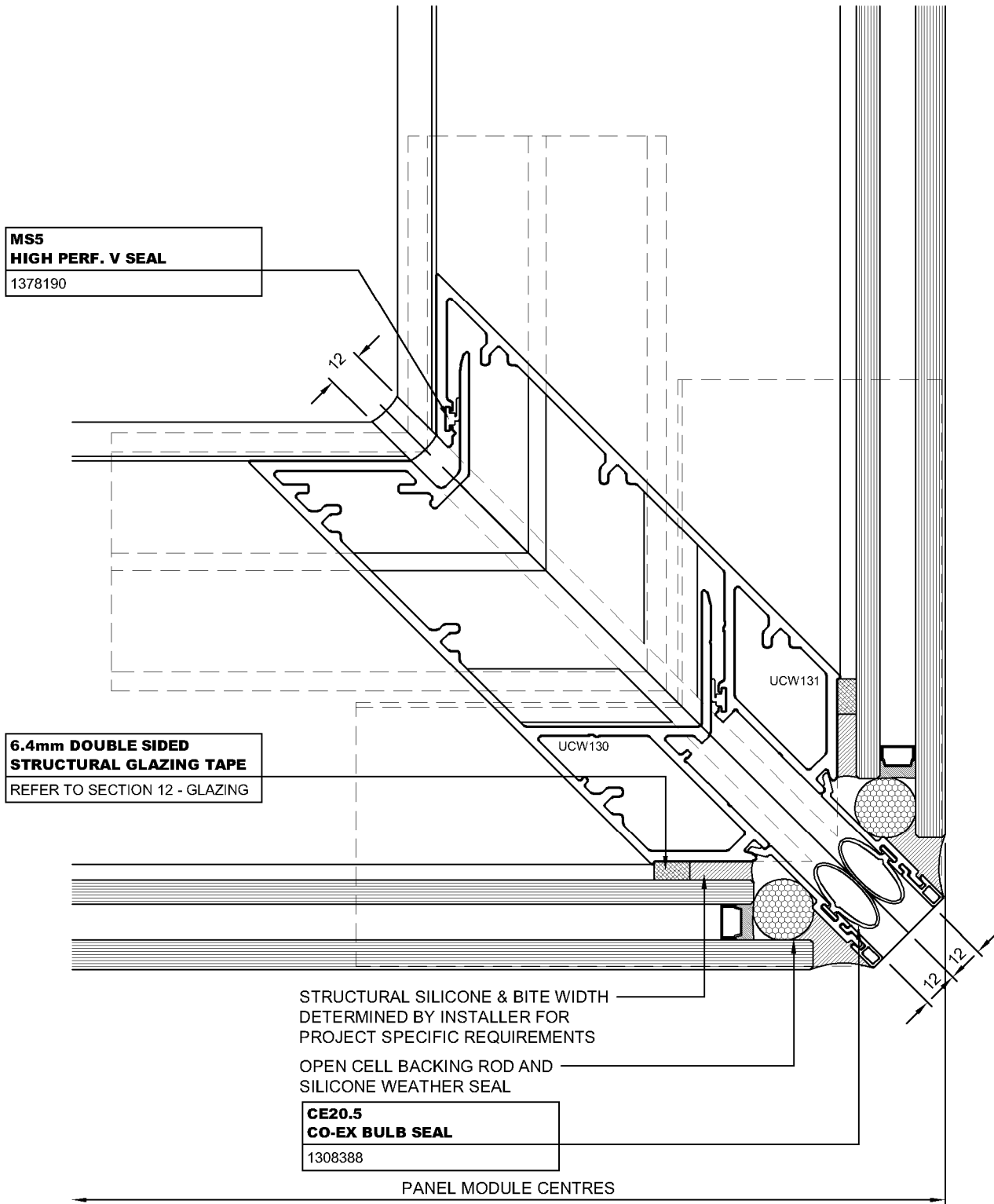


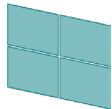


8. Typical Details

Typical Corner Mullion Detail

5

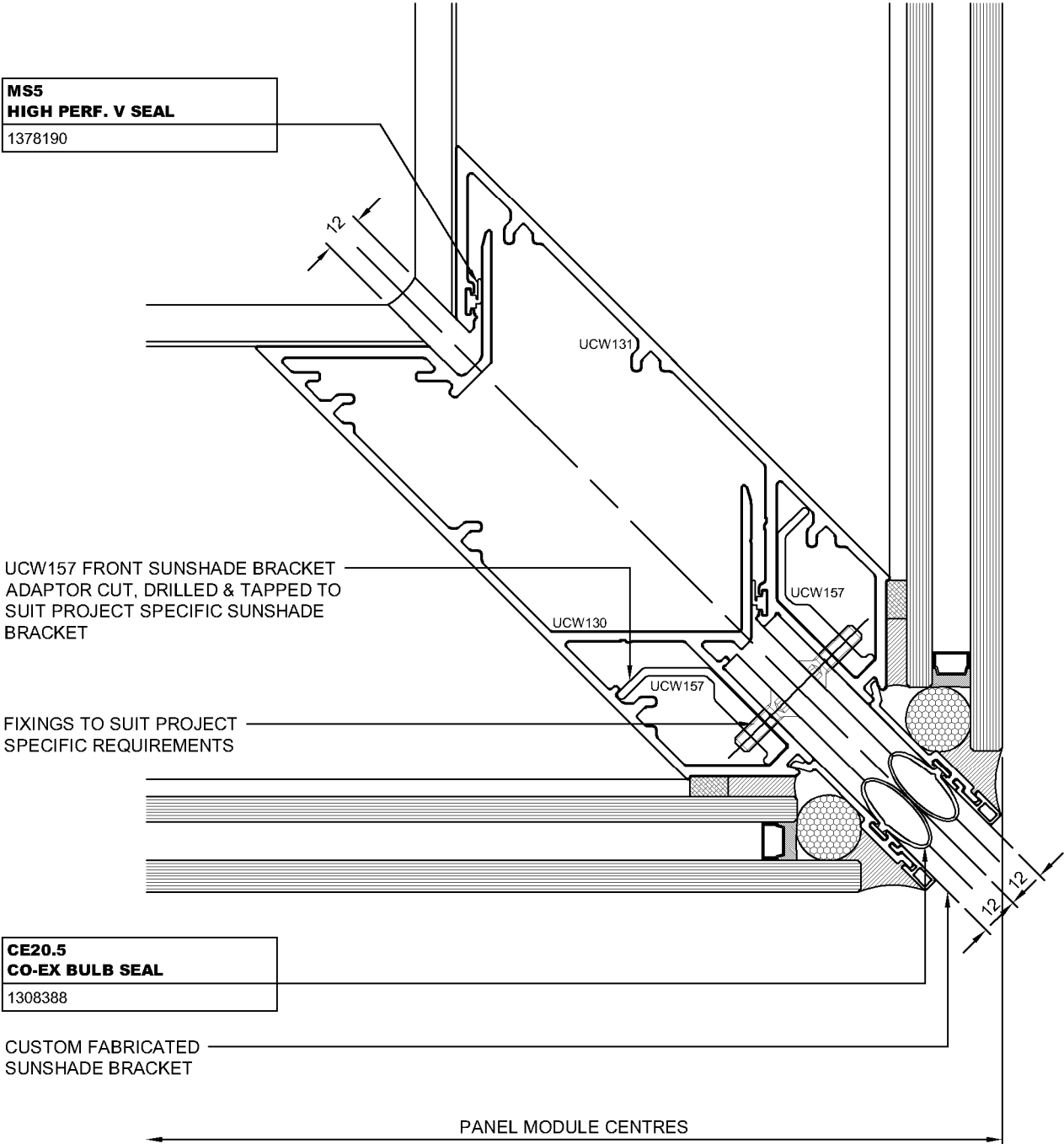


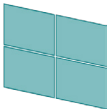


8. Typical Details

Corner Mullion Detail @ Horizontal Sunshade Bracket Connection

5

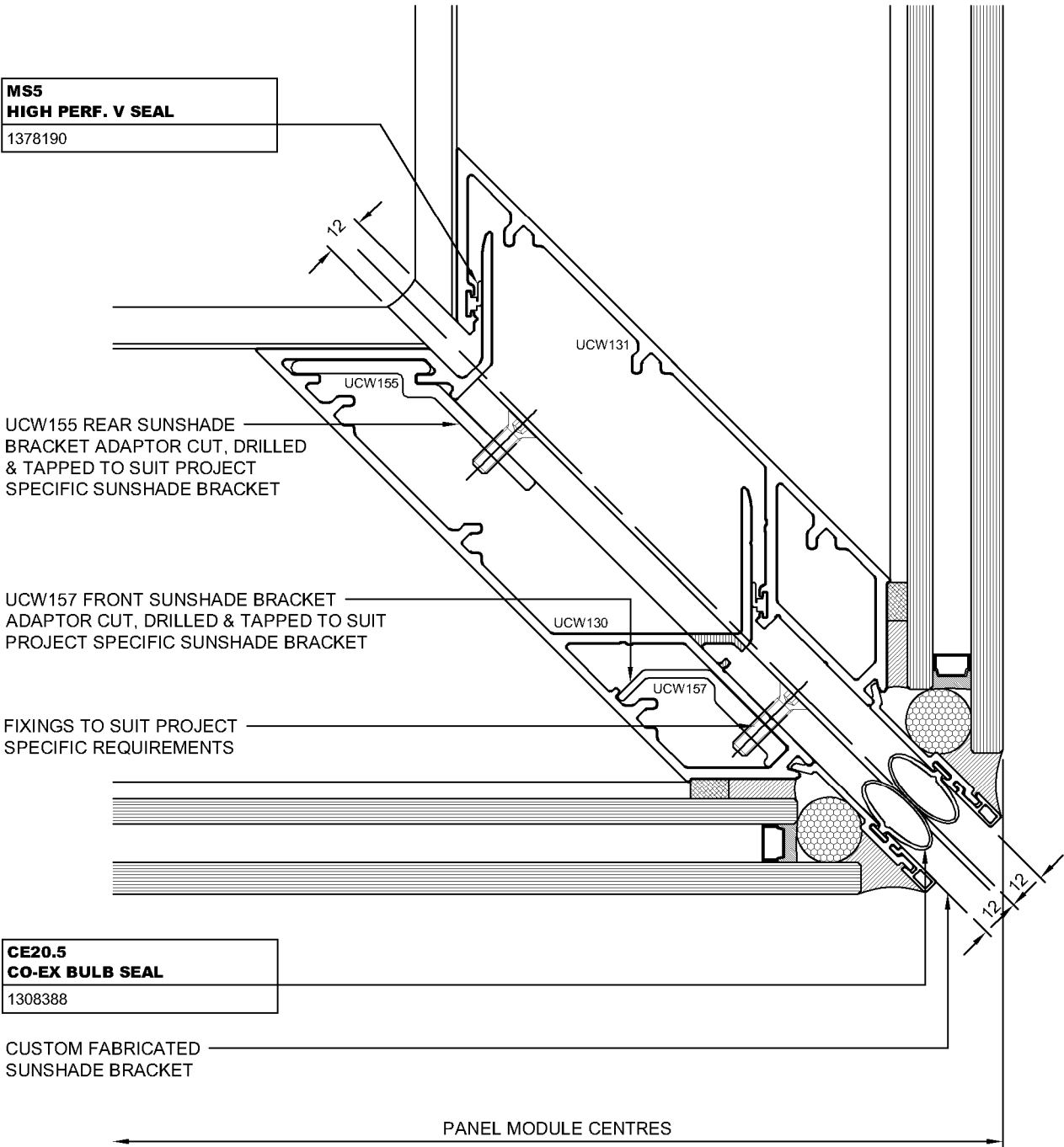


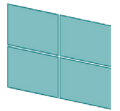


8. Typical Details

Corner Mullion Detail @ Vertical Sunshade Bracket Connection

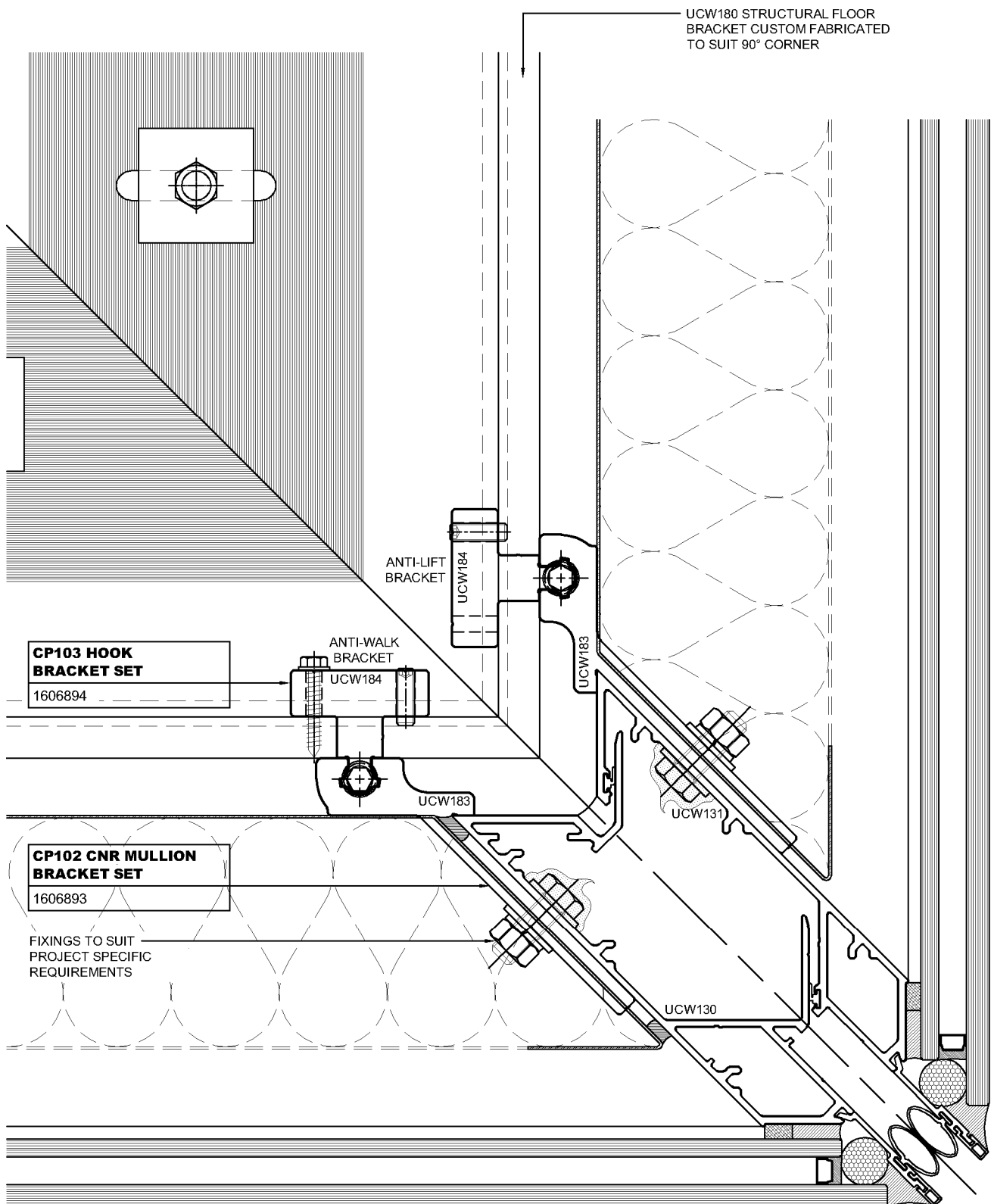
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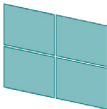


8. Typical Details

Corner Mullion Detail @ Structural Bracket Connection

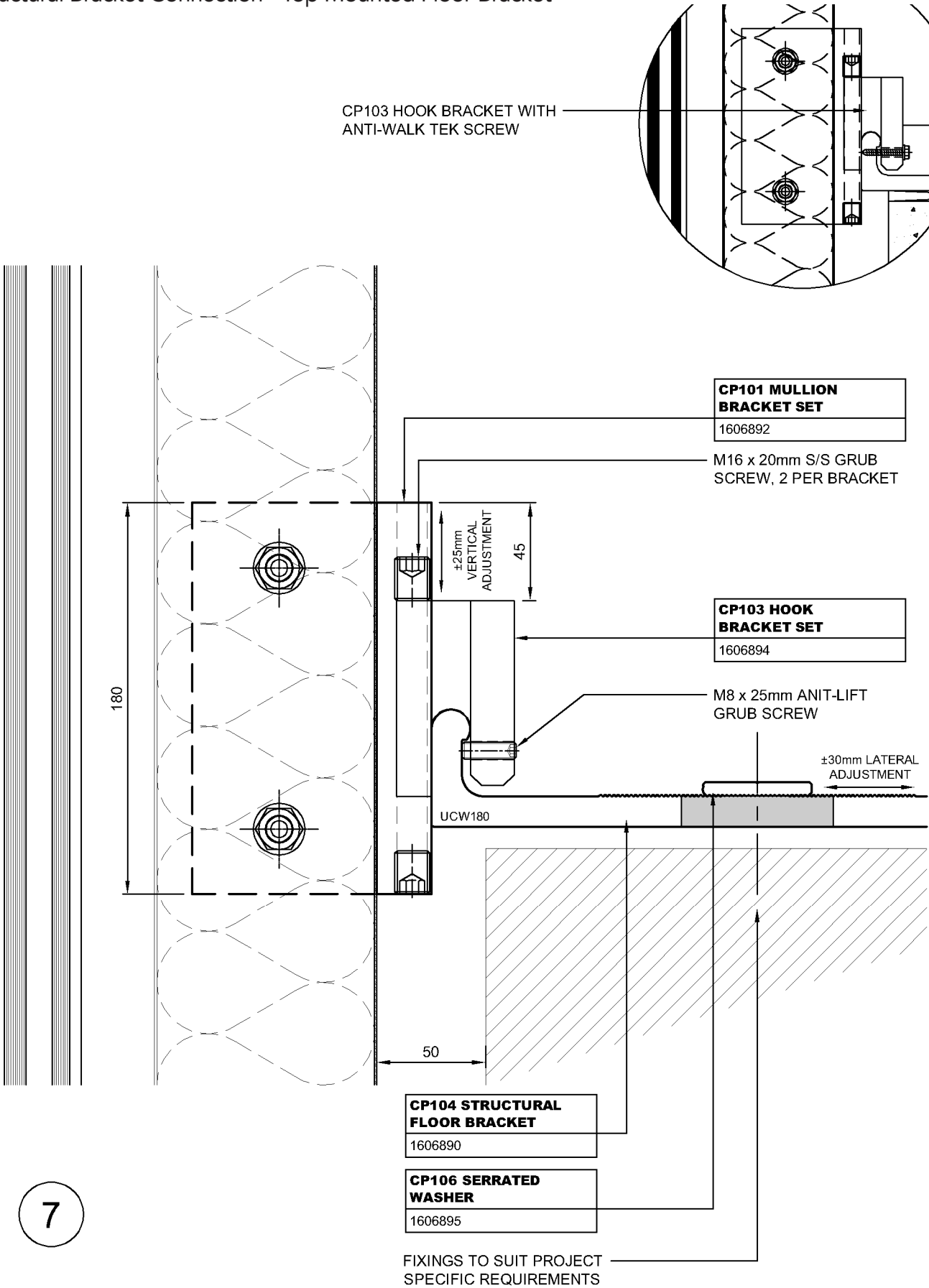


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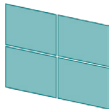


8. Typical Details

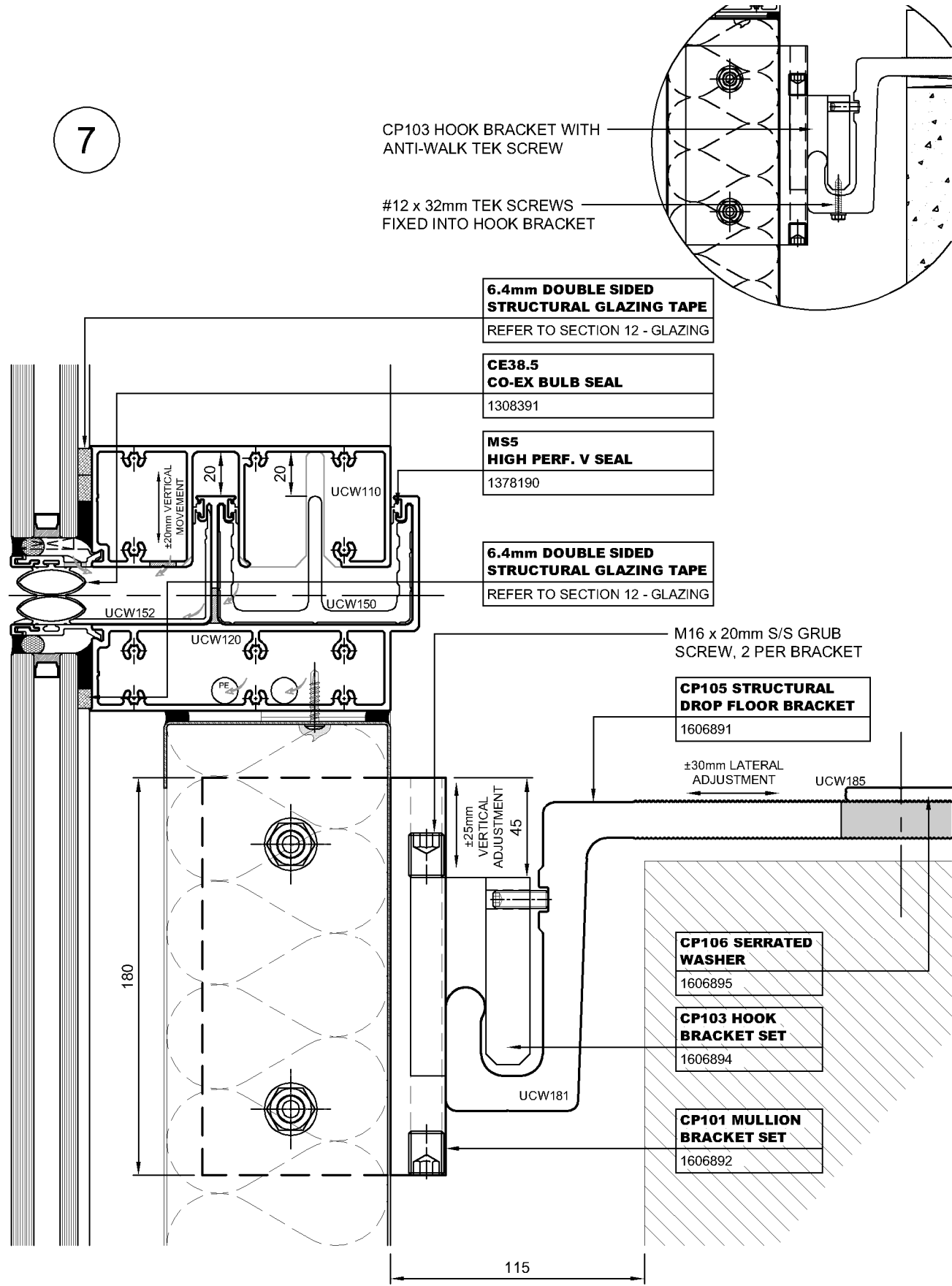
Structural Bracket Connection - Top Mounted Floor Bracket

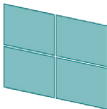


8. Typical Details



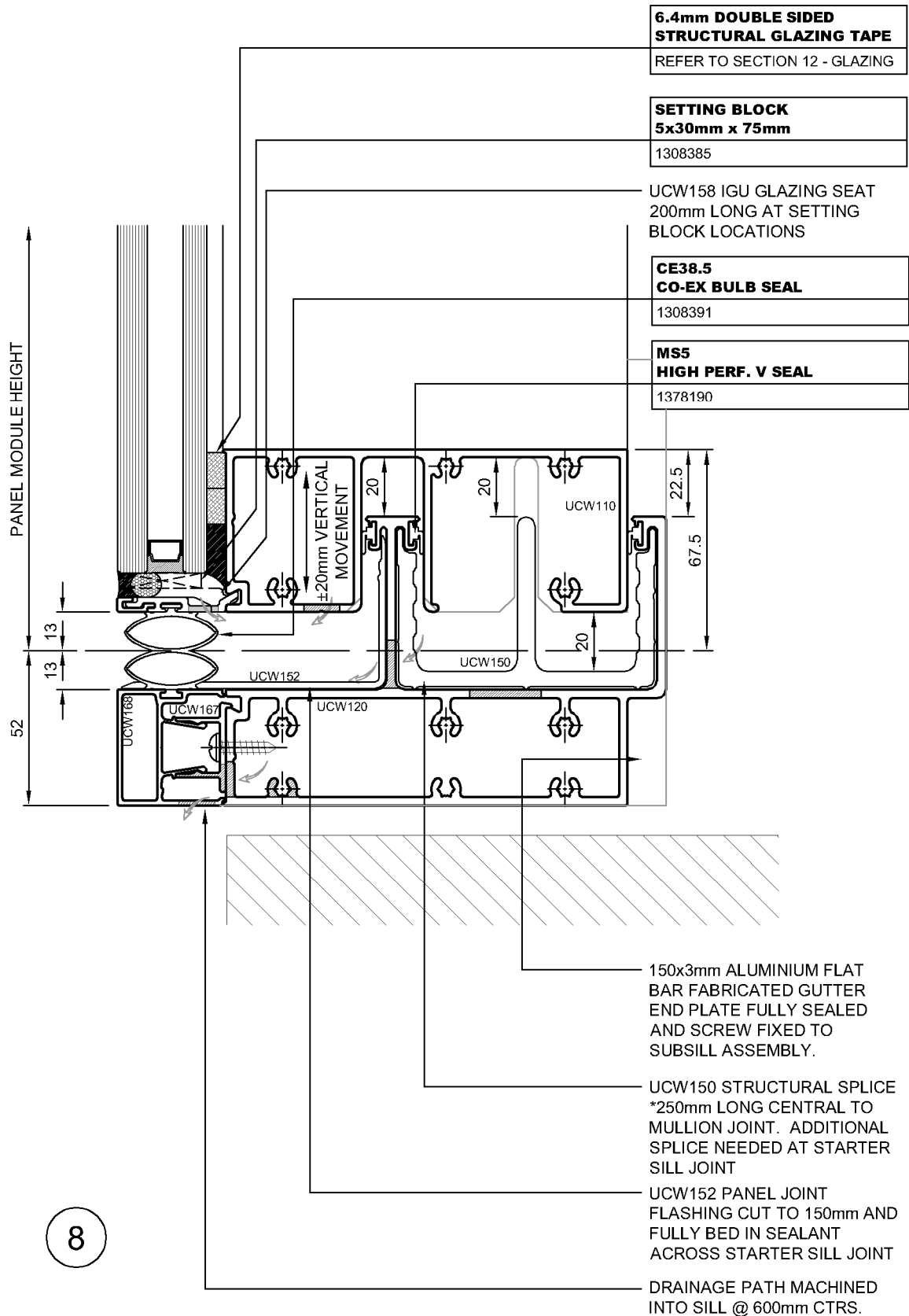
Structural Bracket Connection - Drop Down Floor Bracket

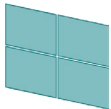




8. Typical Details

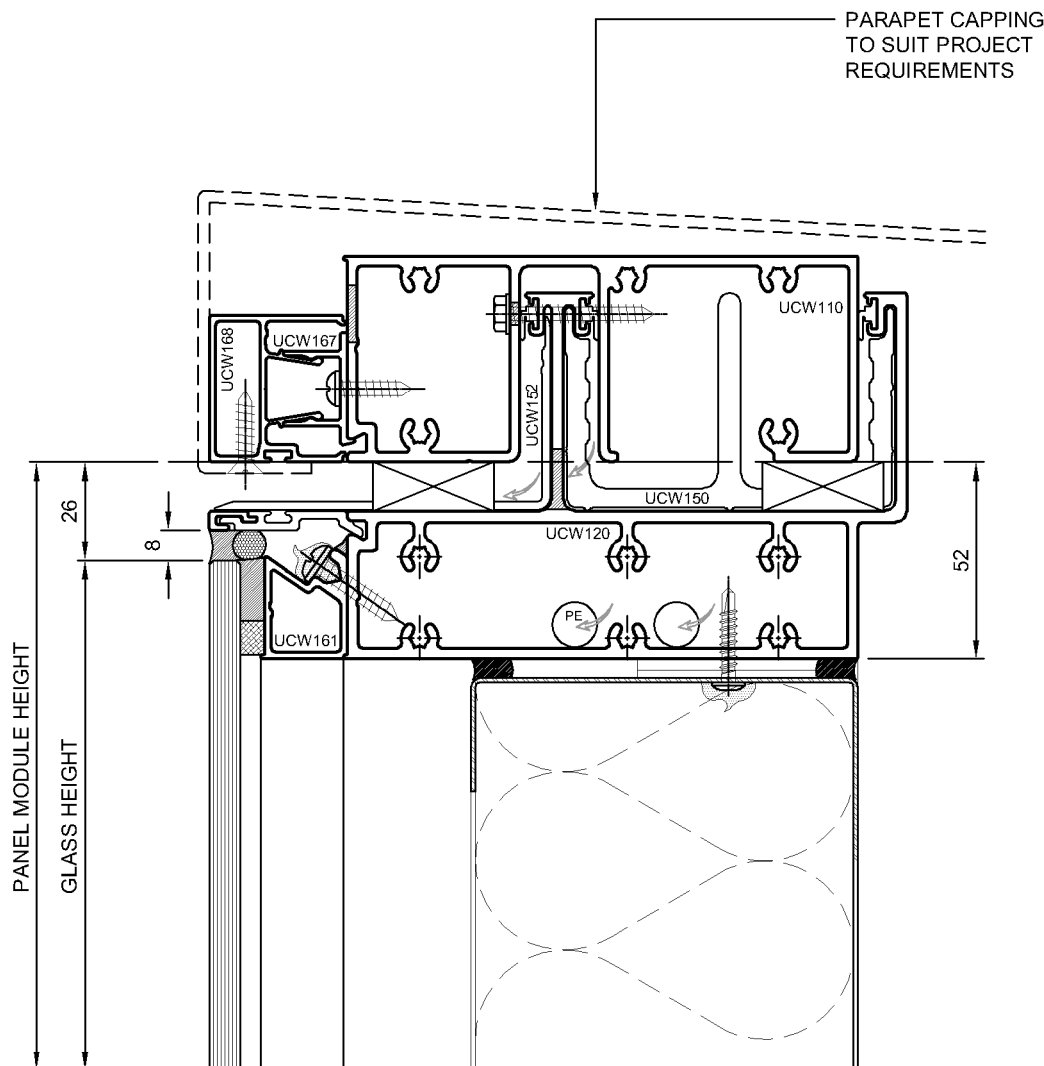
Starter Sill Detail



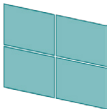


8. Typical Details

Parapet Detail - Capping Suggestion

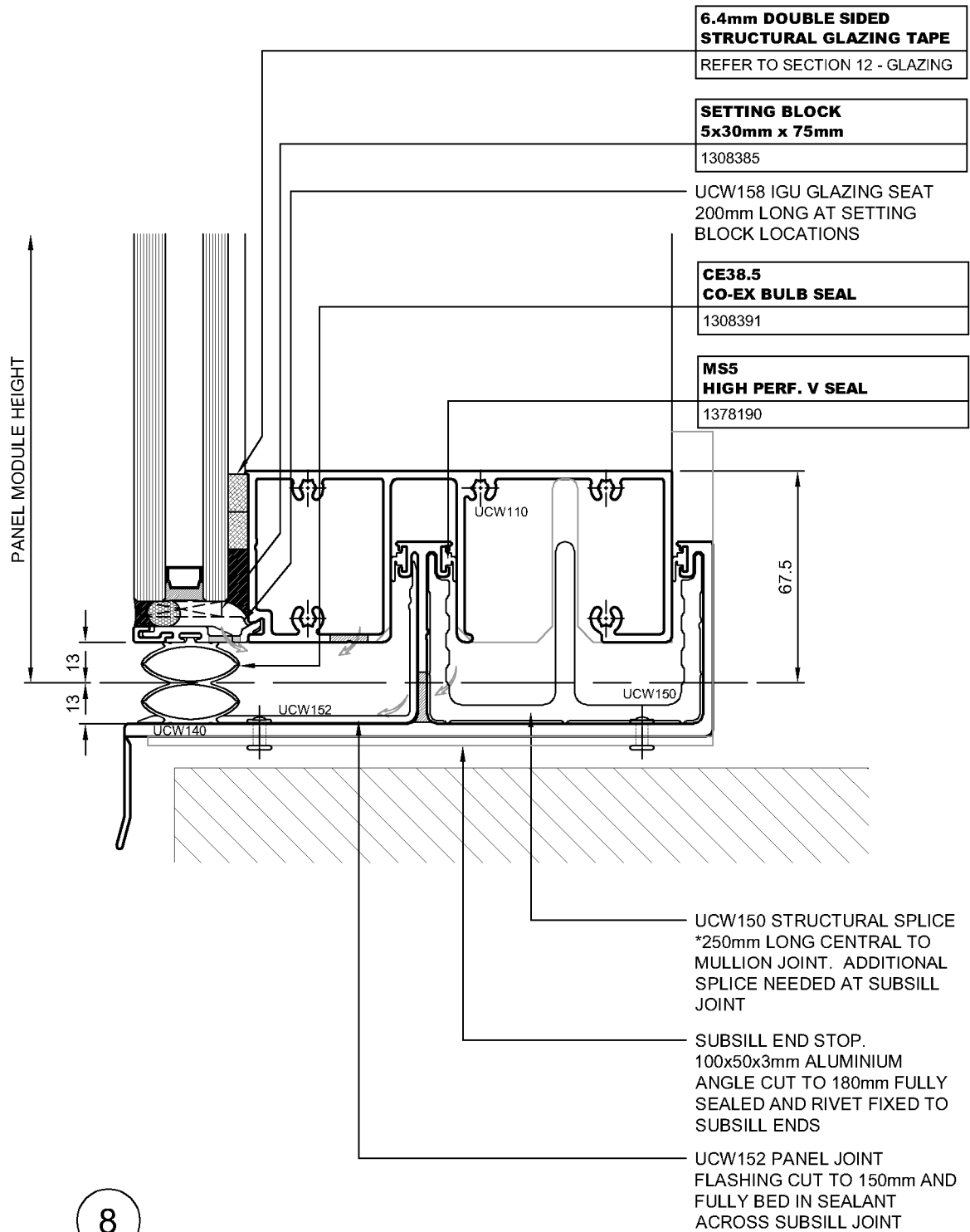


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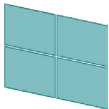


8. Typical Details

Sub Sill Detail

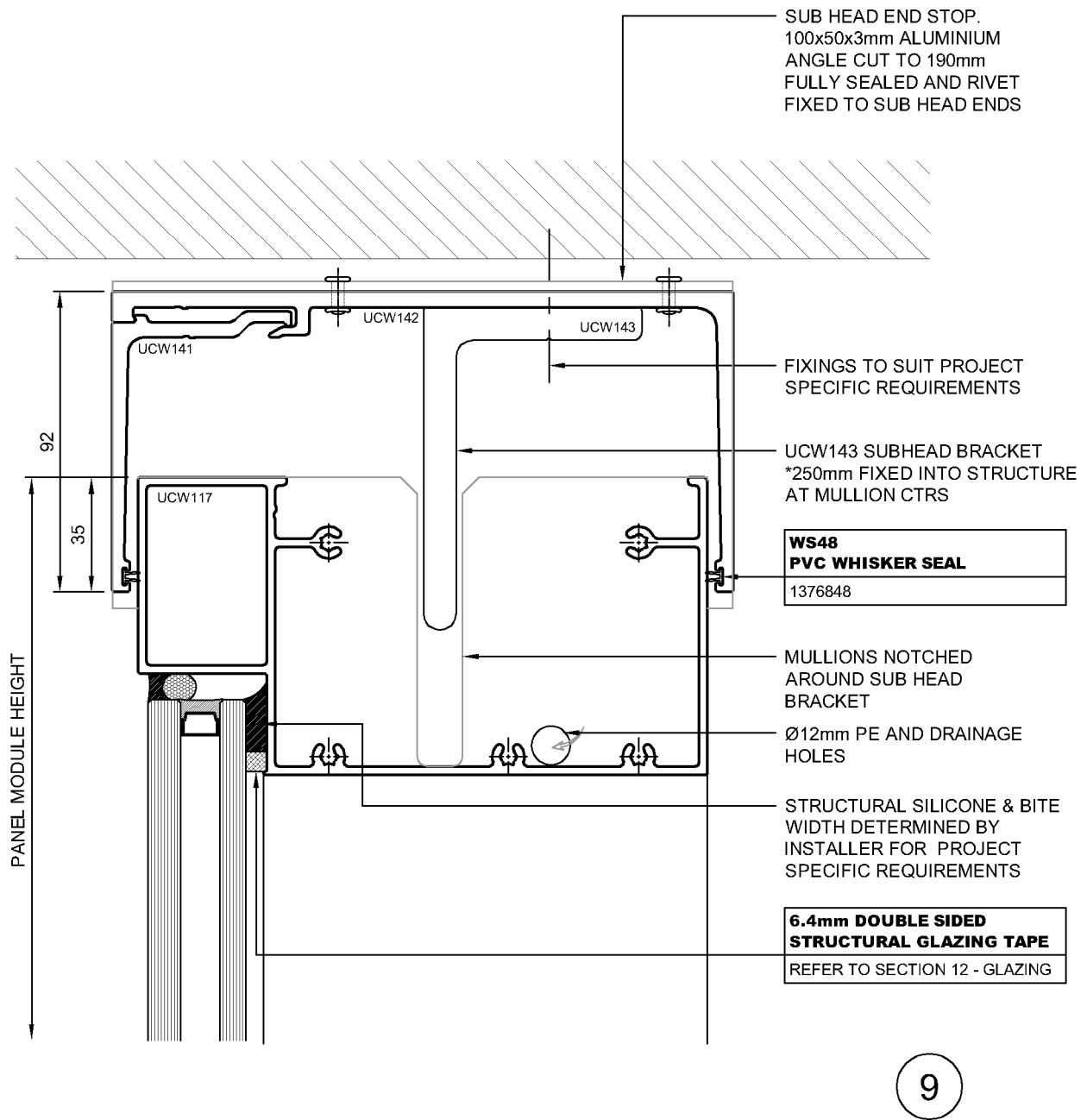


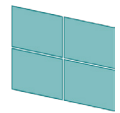
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8. Typical Details

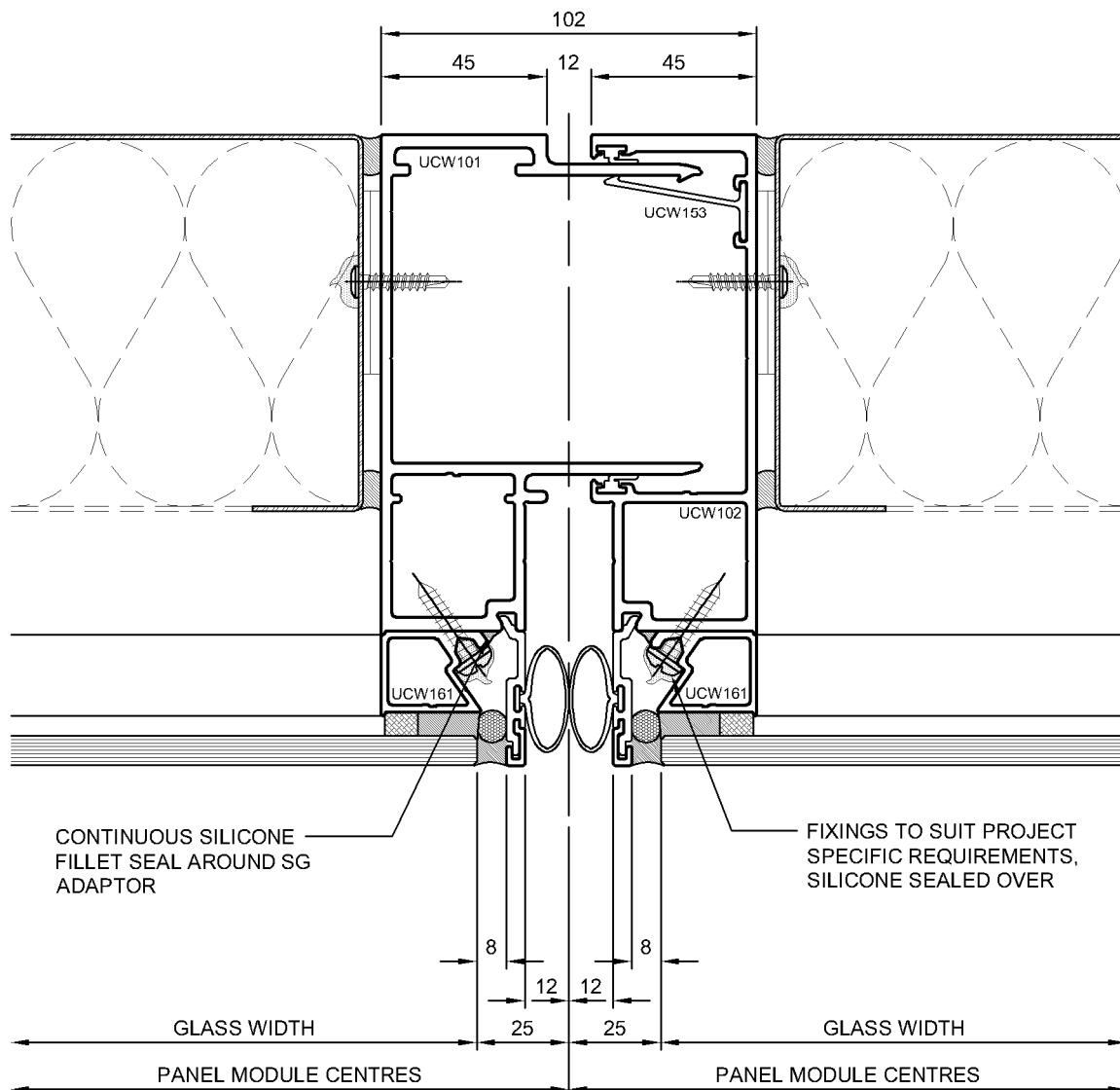
Sub Head Detail @ Soffit



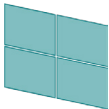


8. Typical Details

Mullion Detail @ Spandrel Panel with Single Glaze Adaptor

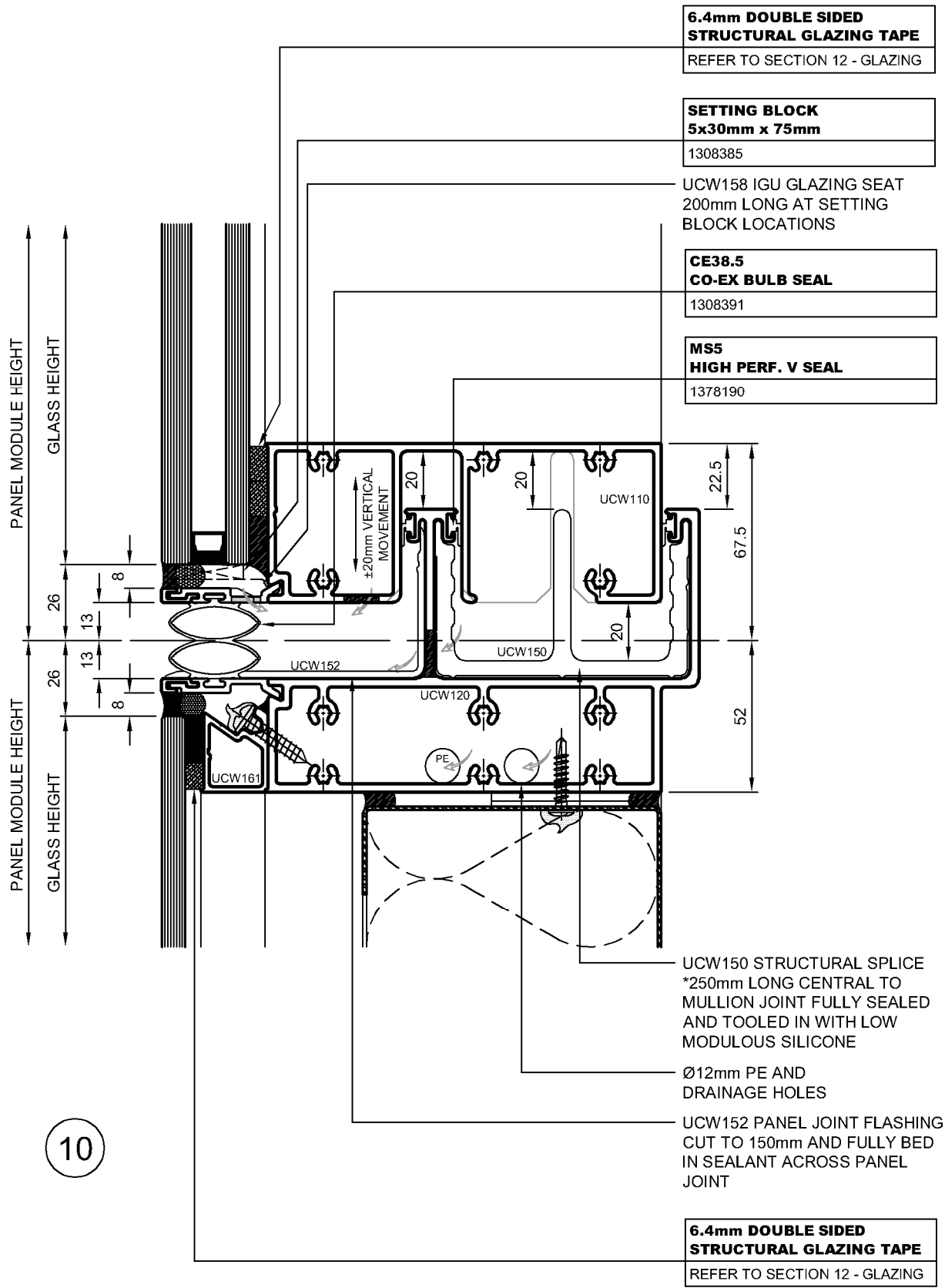


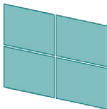
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8. Typical Details

Stack Joint Detail with Single Glaze Spandrel

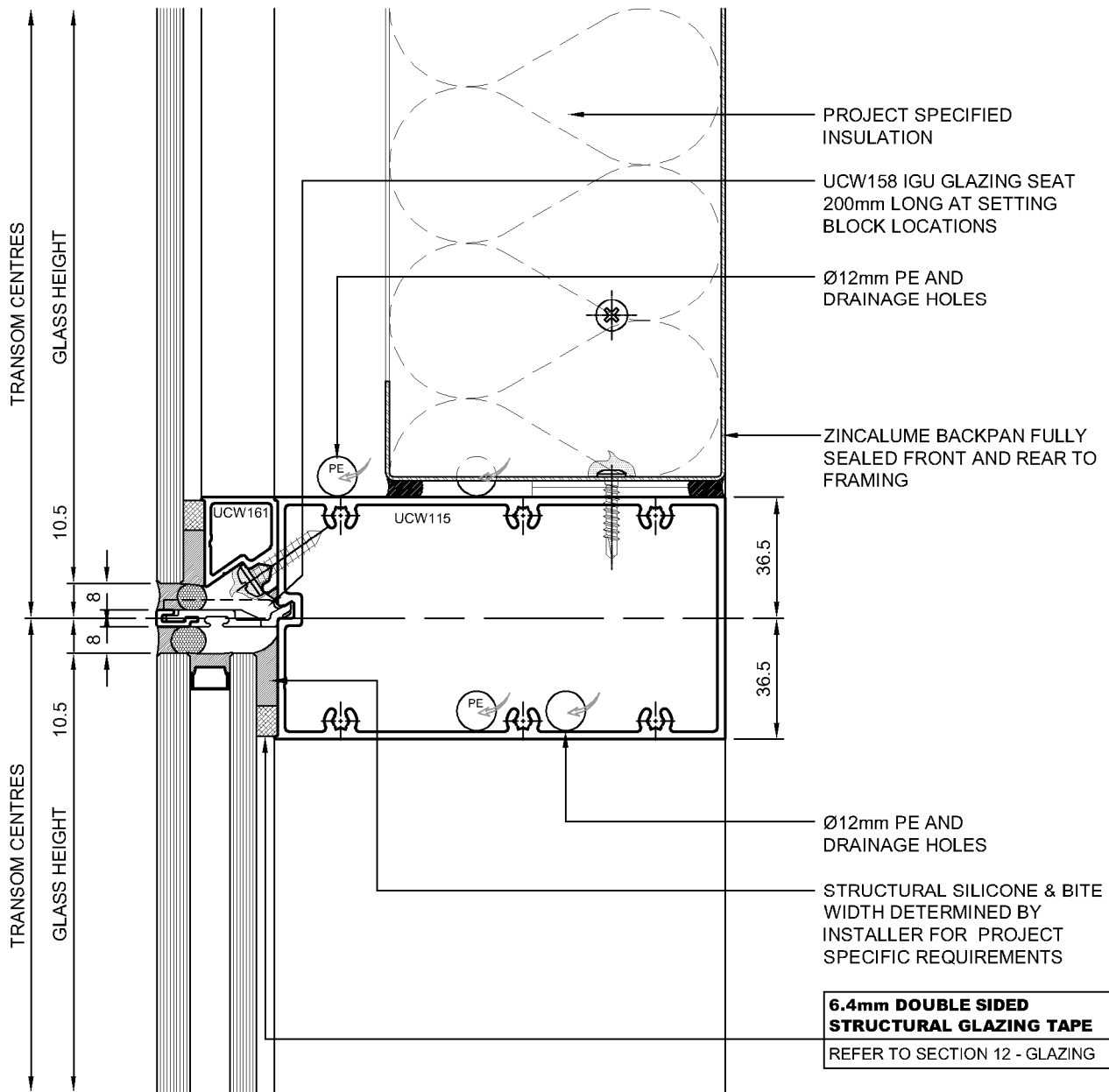


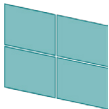


8. Typical Details

Transom Detail with Single Glaze Spandrel

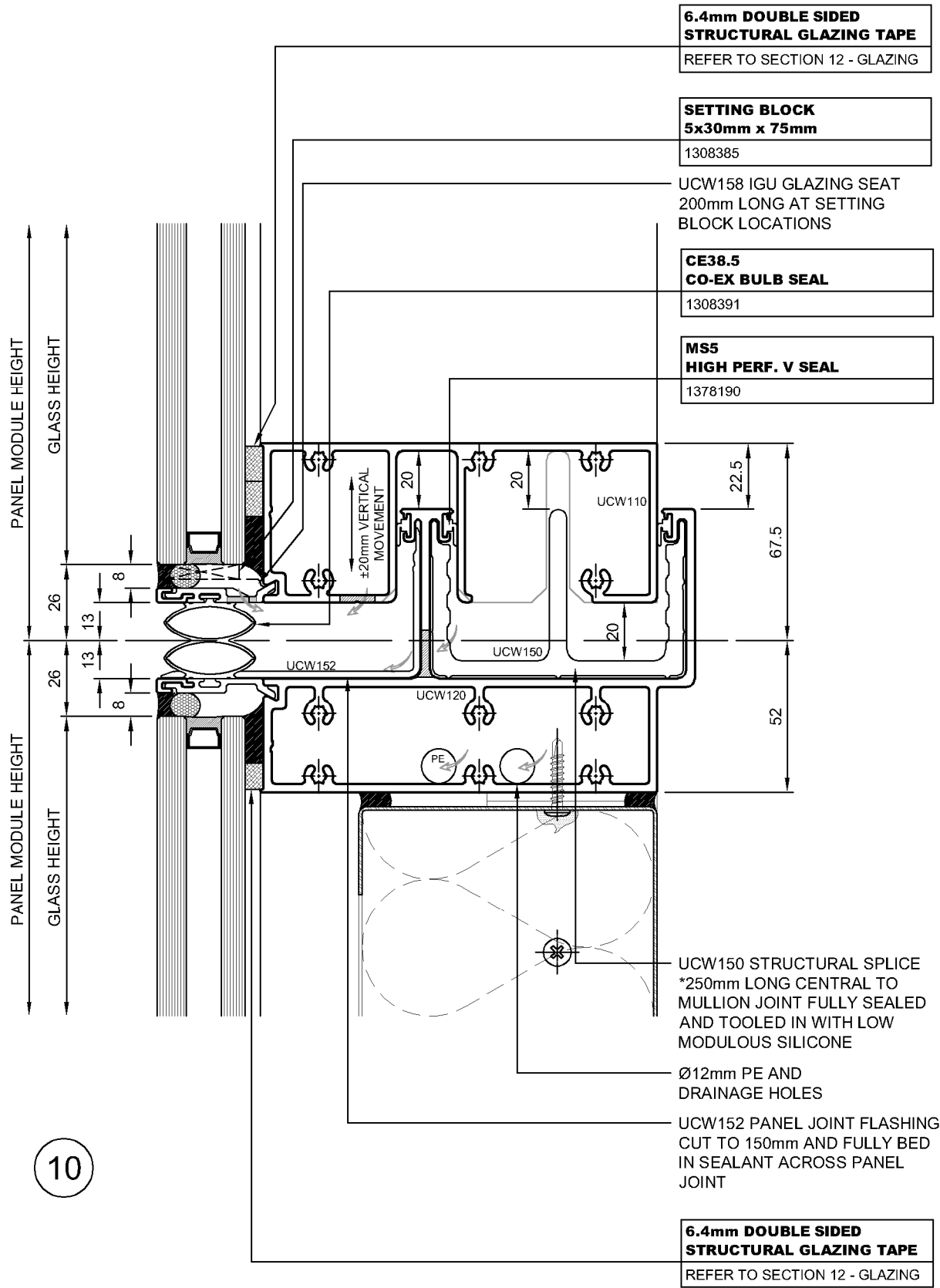
Flinders
Curtain Wall

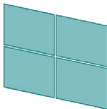




8. Typical Details

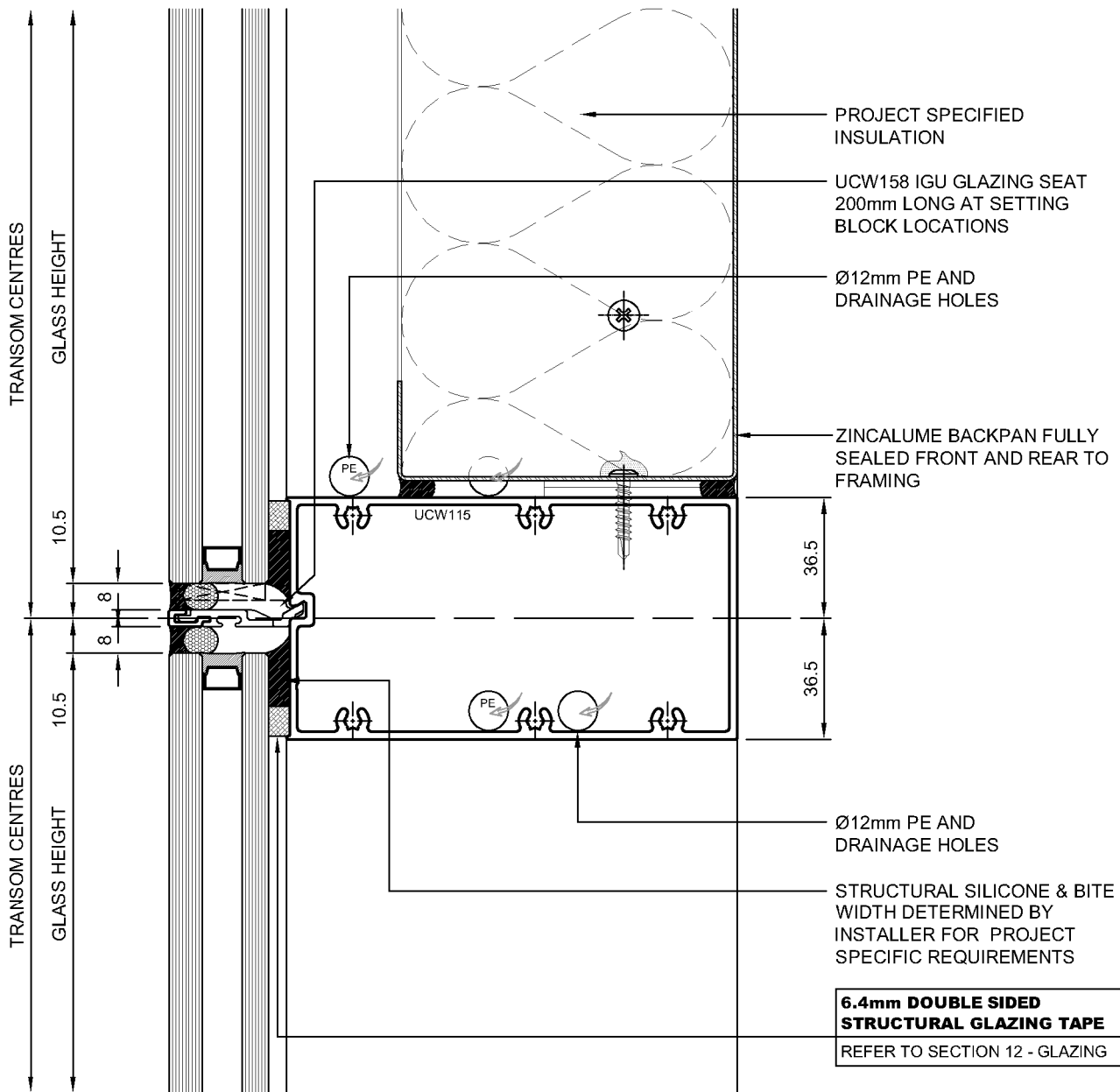
Stack Joint Detail with Double Glaze Spandrel



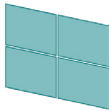


8. Typical Details

Transom Detail with Double Glaze Spandrel

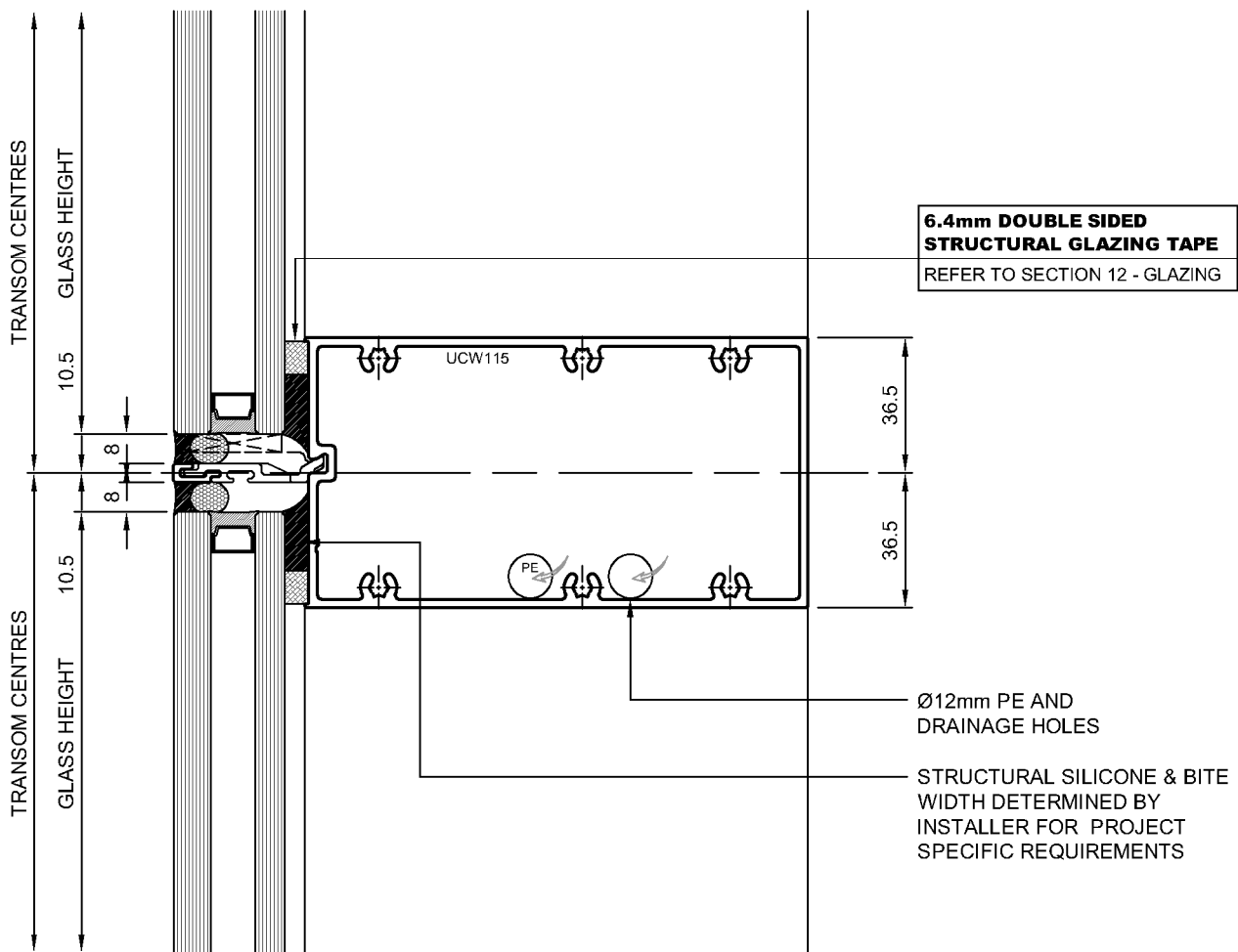


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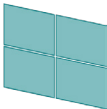


8. Typical Details

Typical Transom Detail

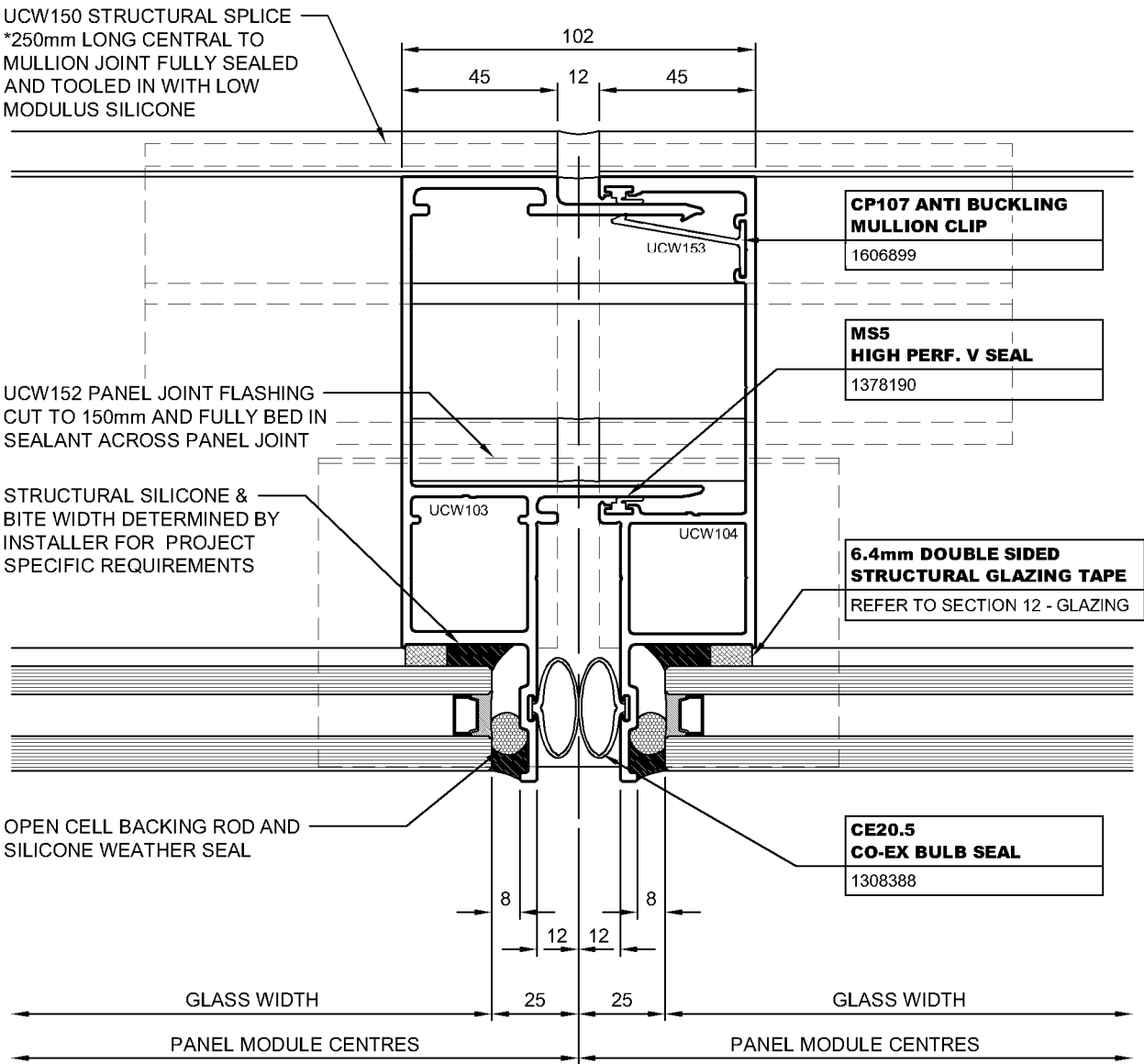


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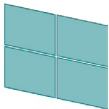


8. Typical Details

Solid Nose Mullion Detail

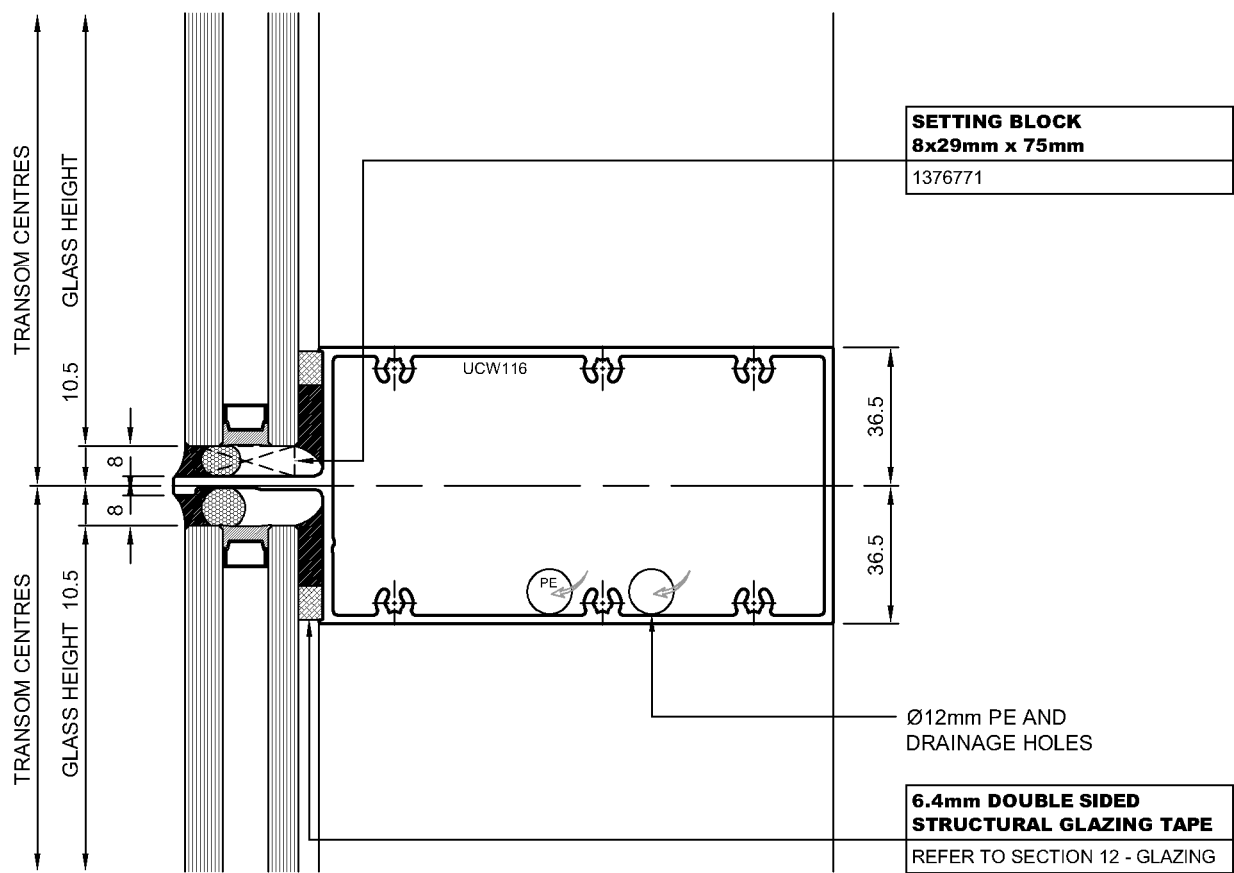


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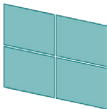


8. Typical Details

Solid Nose Transom Detail

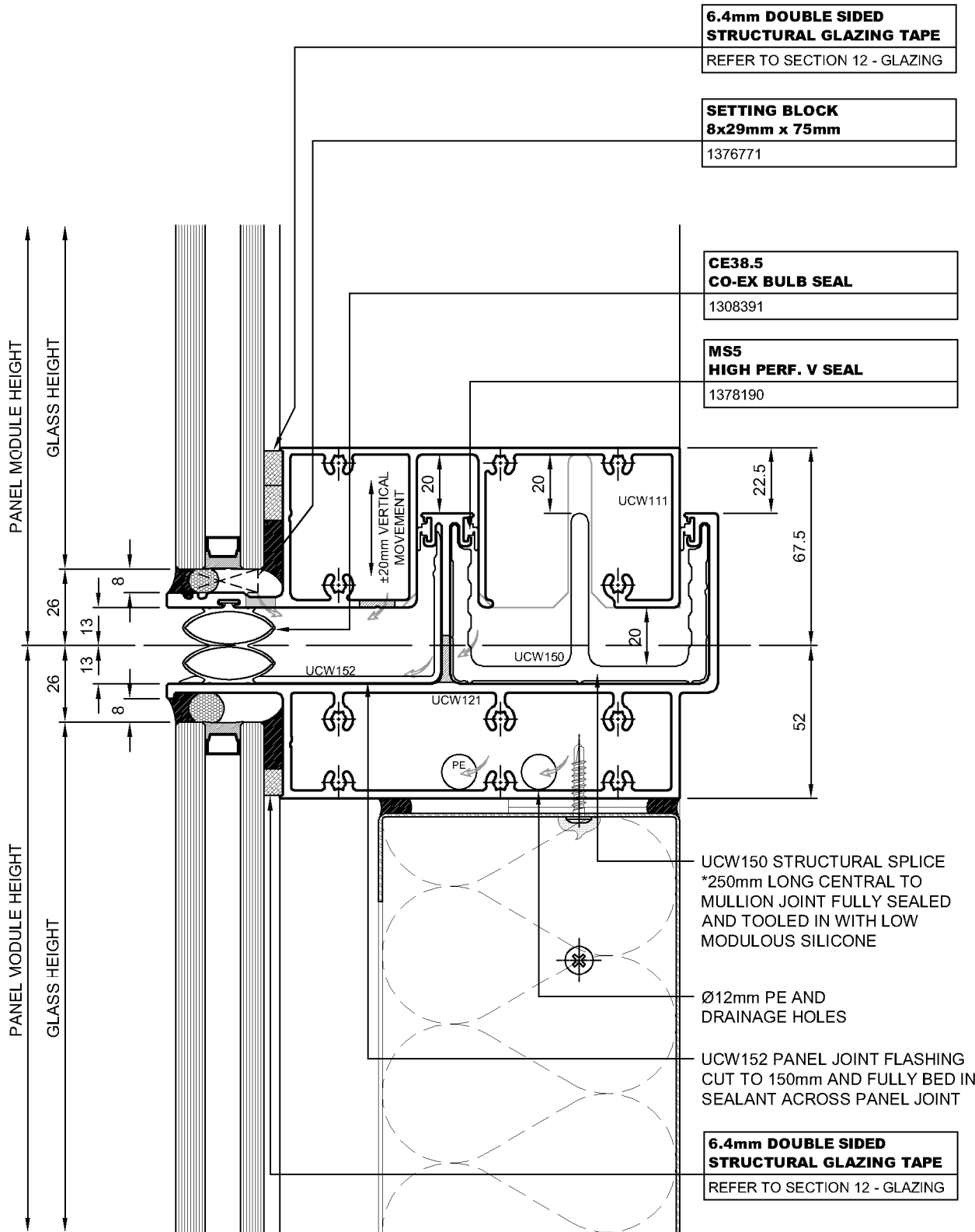


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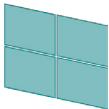


8. Typical Details

Solid Nose Stack Joint Detail

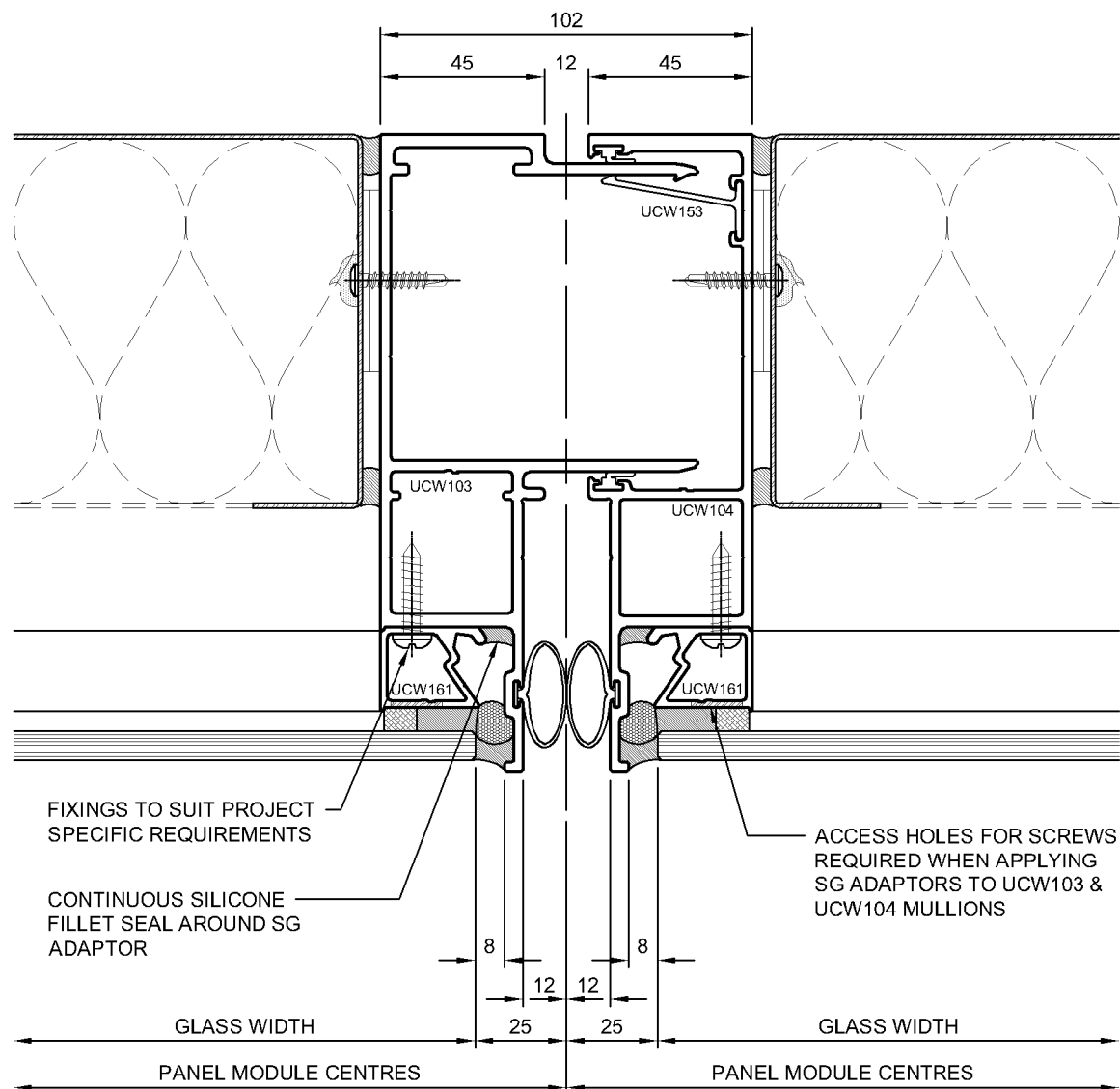


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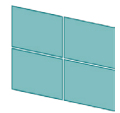


8. Typical Details

Solid Nose Mullion Detail @ Spandrel Panel with Single Glaze Adaptor

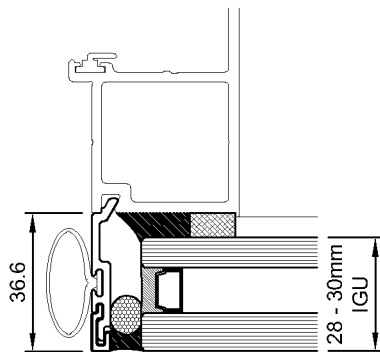


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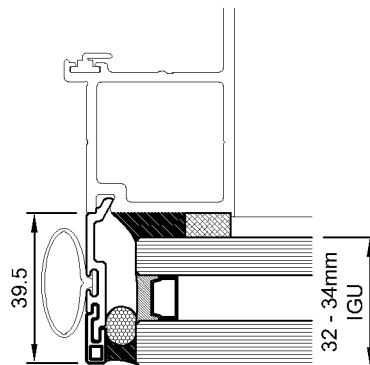


8. Typical Details

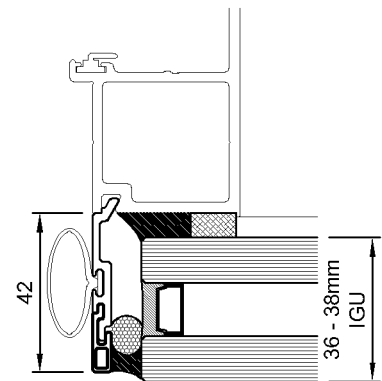
Polyamide Glazing Bead Selection



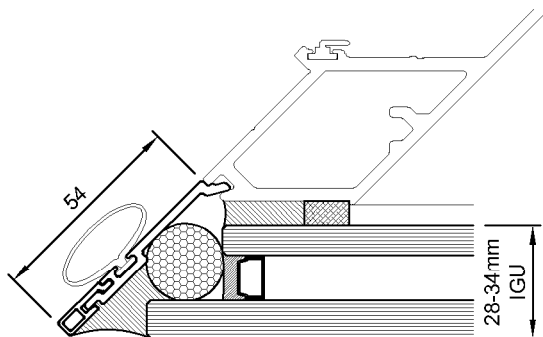
PA10
28-30mm IGU
POLYAMIDE
GLAZING BEAD



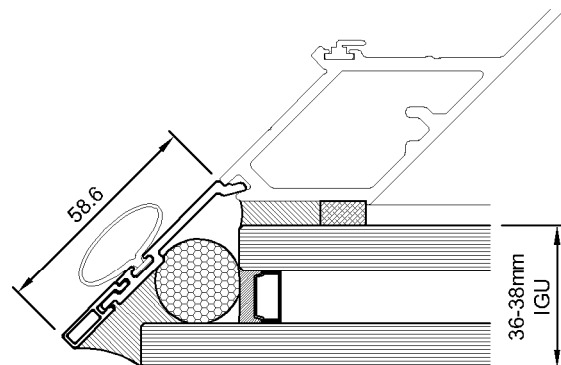
PA11
32-34mm IGU
POLYAMIDE
GLAZING BEAD



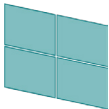
PA12
36-38mm IGU
POLYAMIDE
GLAZING BEAD



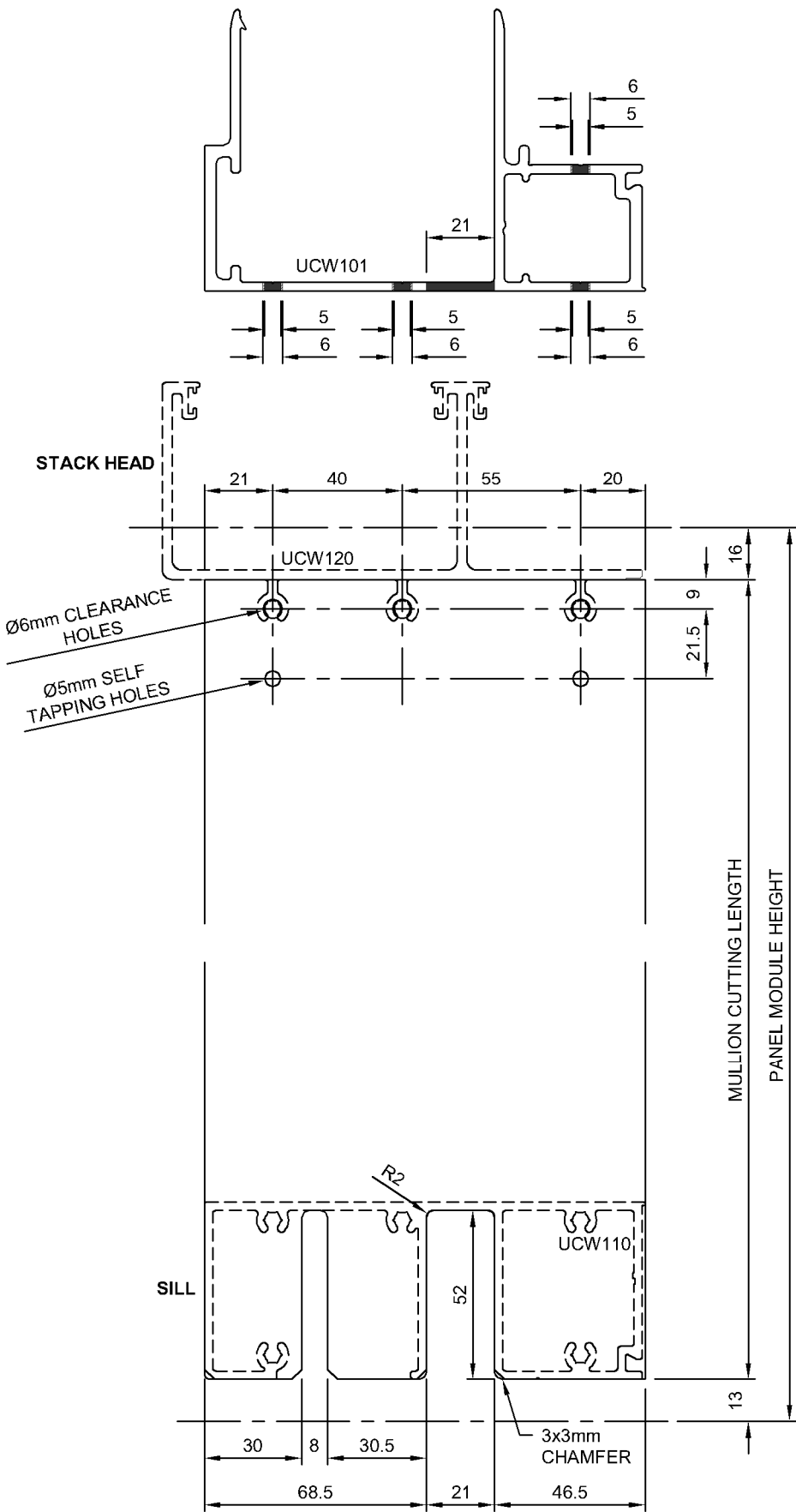
PA13
28-34mm IGU
CORNER MULLION
POLYAMIDE
GLAZING BEAD

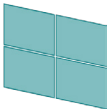


PA14
36-38mm IGU
CORNER MULLION
POLYAMIDE
GLAZING BEAD

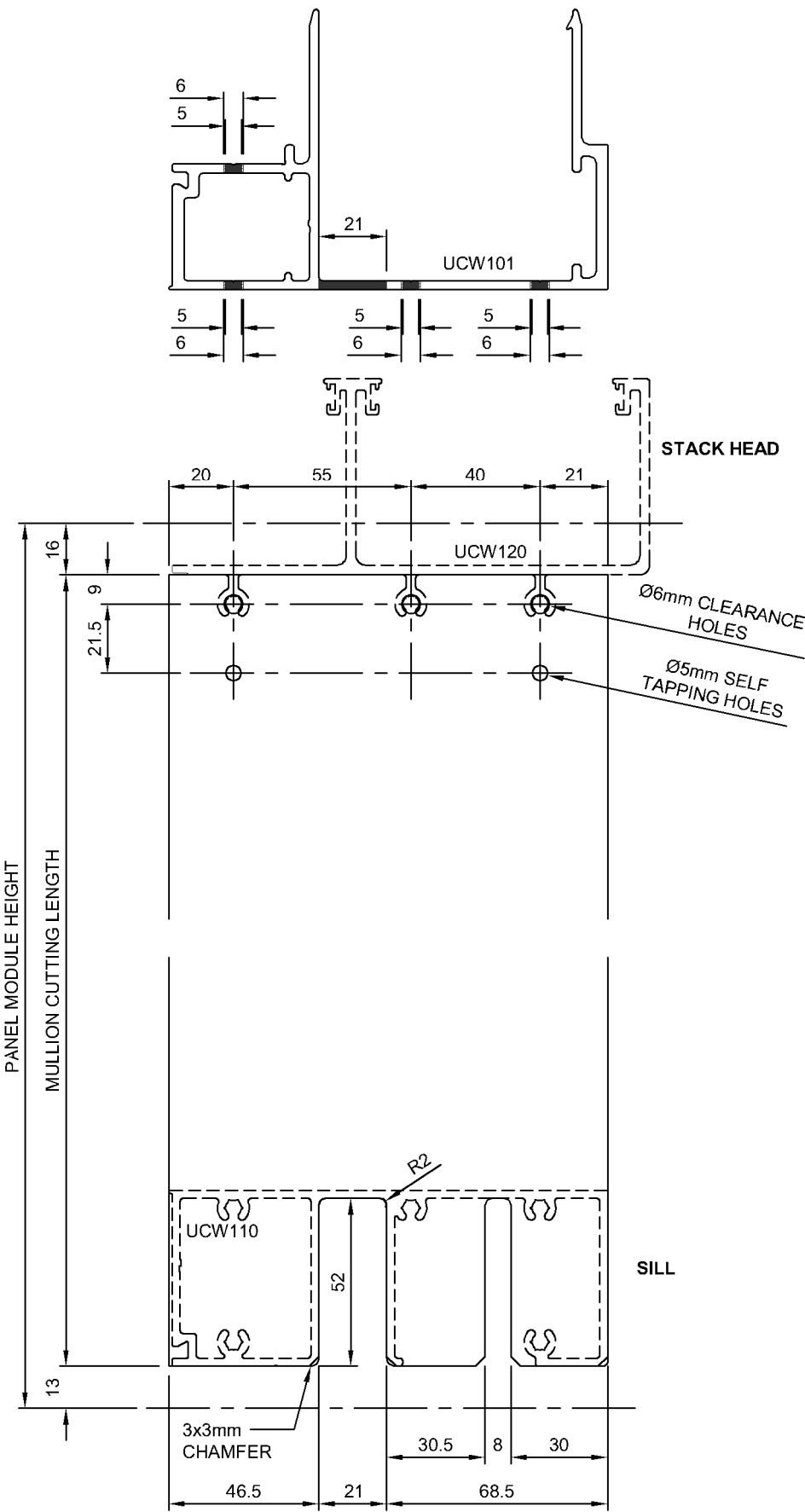


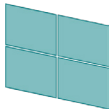
Male Starter Mullion Preparation - Stack Head / Sill



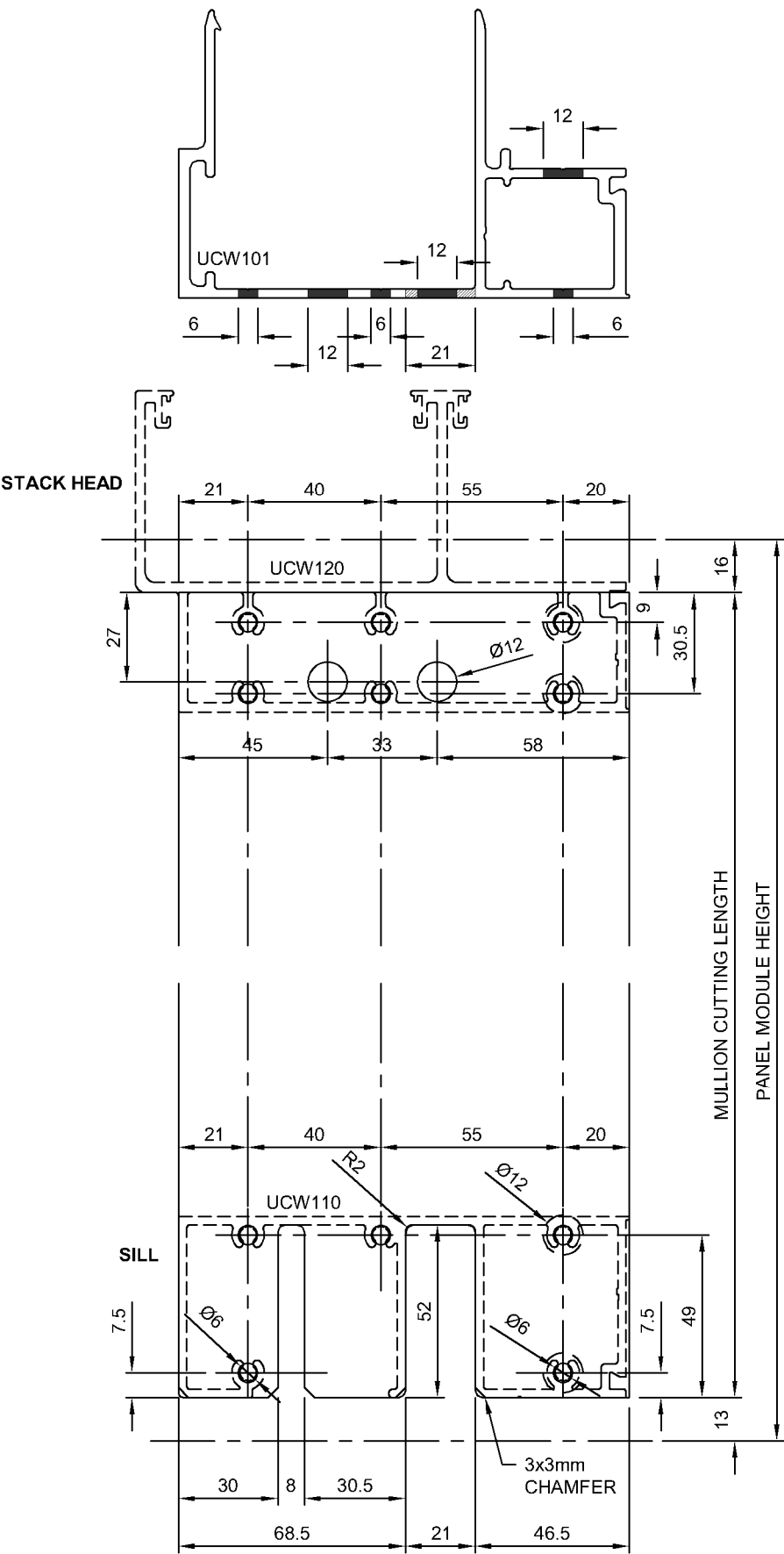


Male Closer Mullion Preparation - Stack Head / Sill

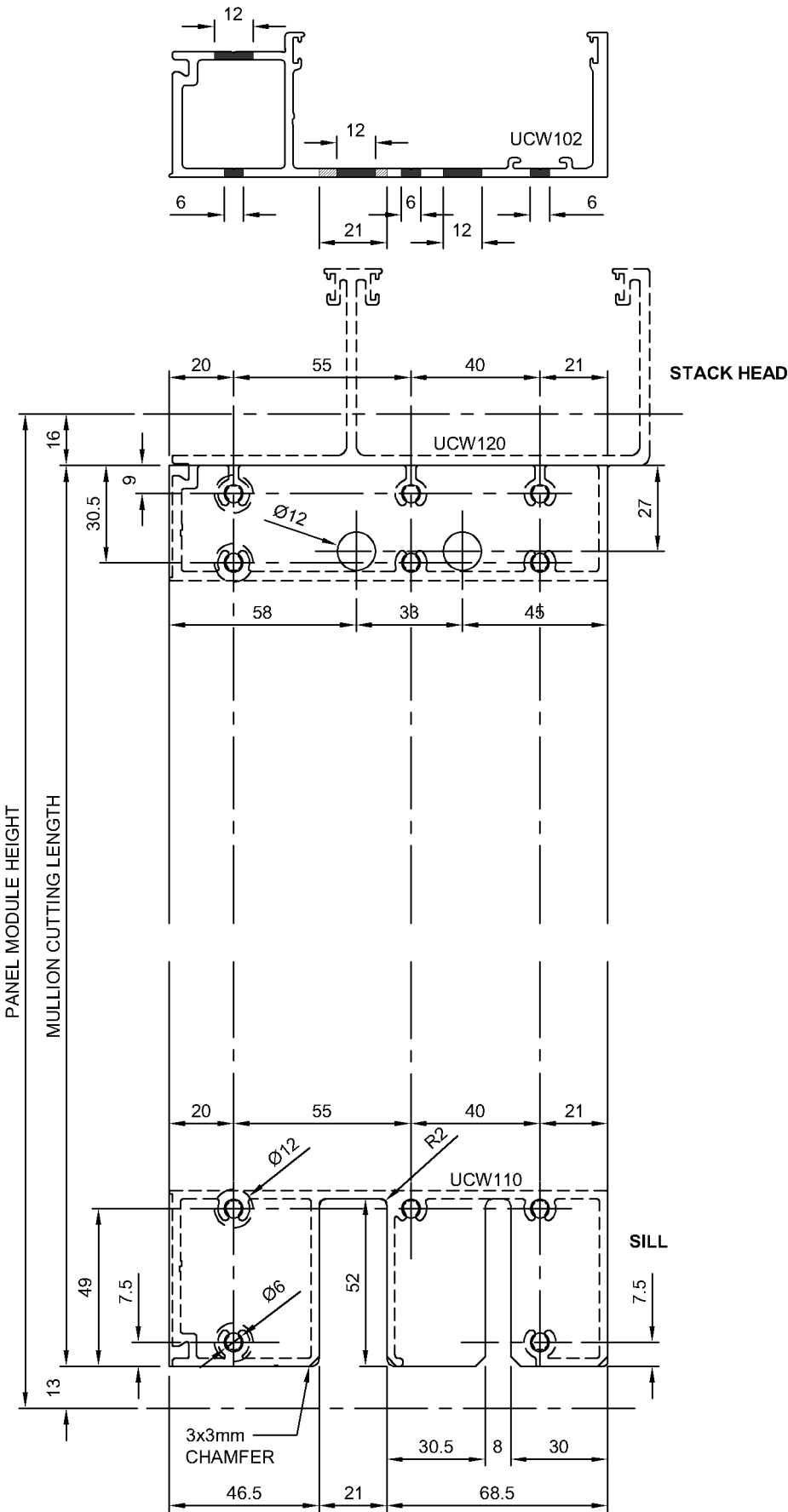


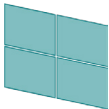


Male Mullion Preparation - Stack Head / Sill

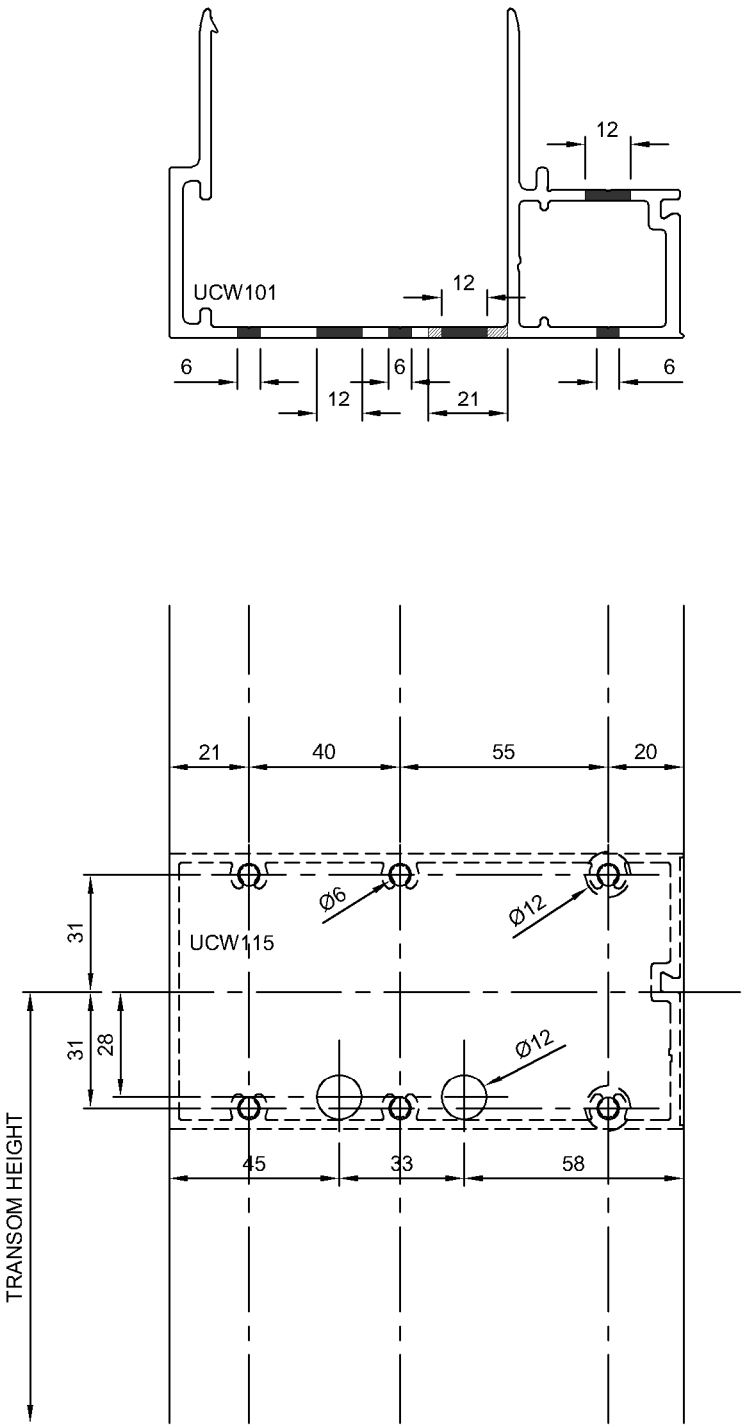


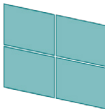
Female Mullion Preparation - Stack Head / Sill



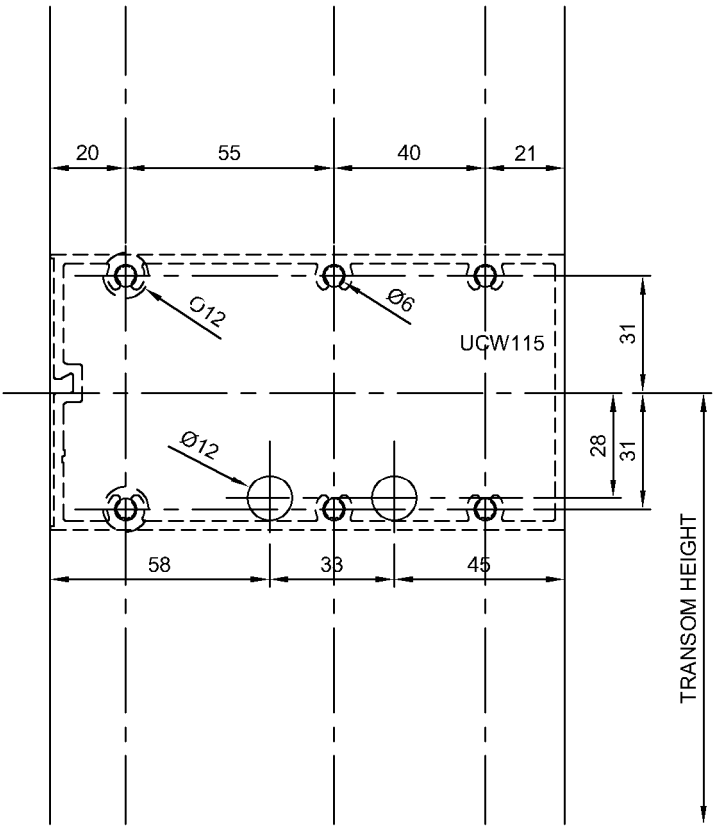
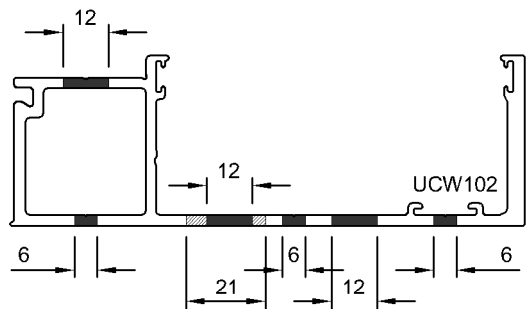


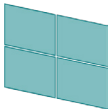
Male Mullion Preparation - Vision Transom



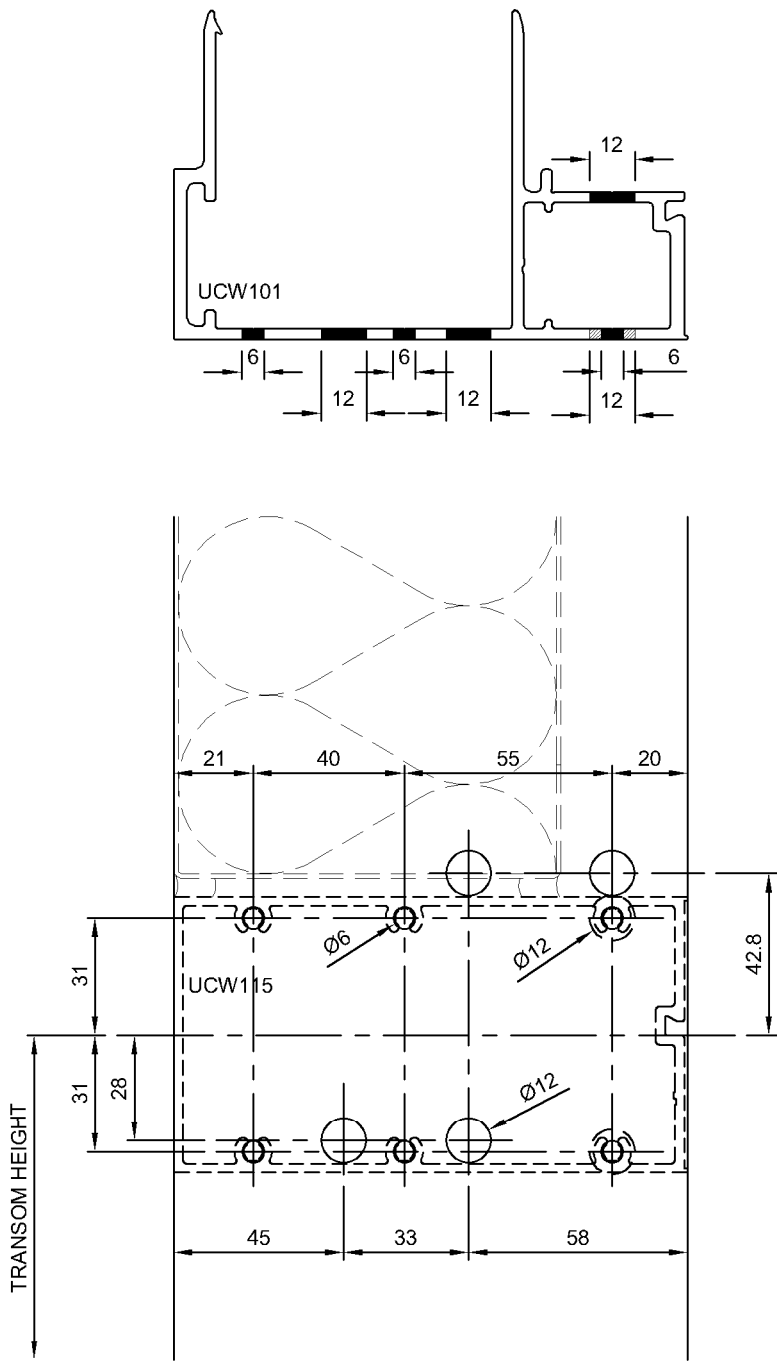


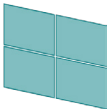
Female Mullion Preparation - Vision Transom





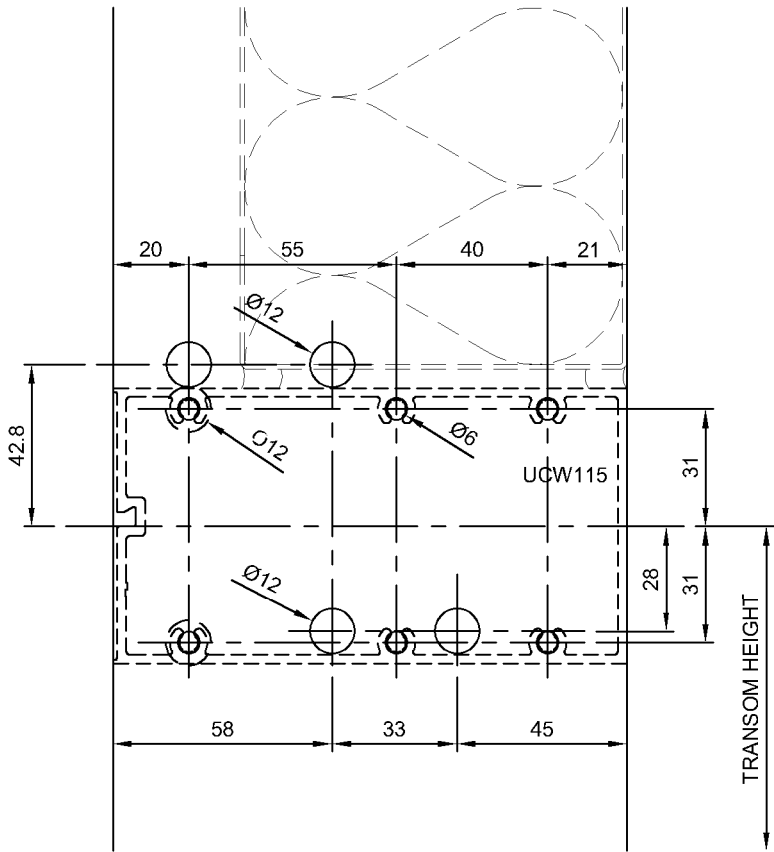
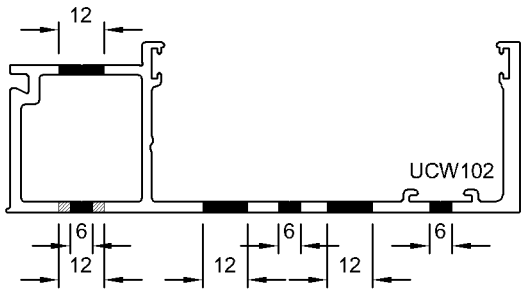
Male Mullion Preparation - Spandrel Transom

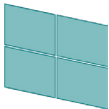




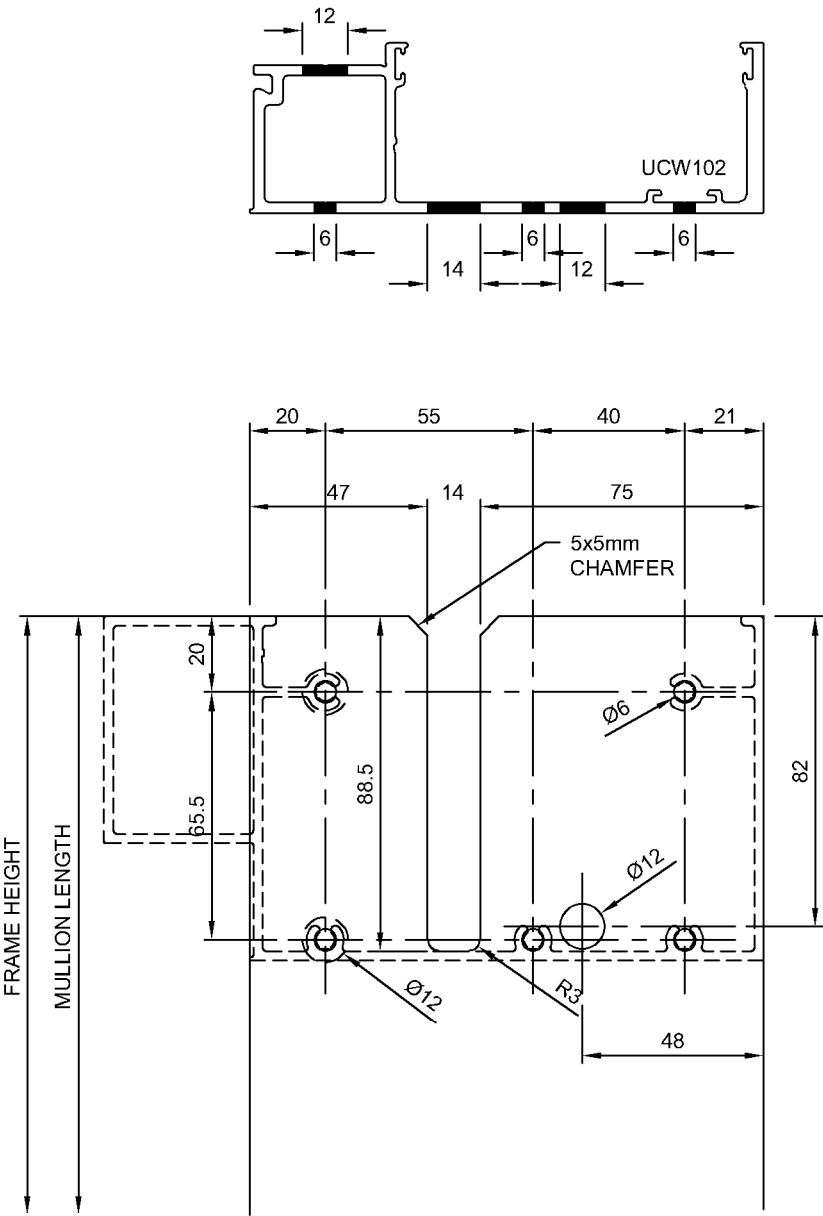
10. Manufacturing Details

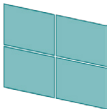
Female Mullion Preparation - Spandrel Transom





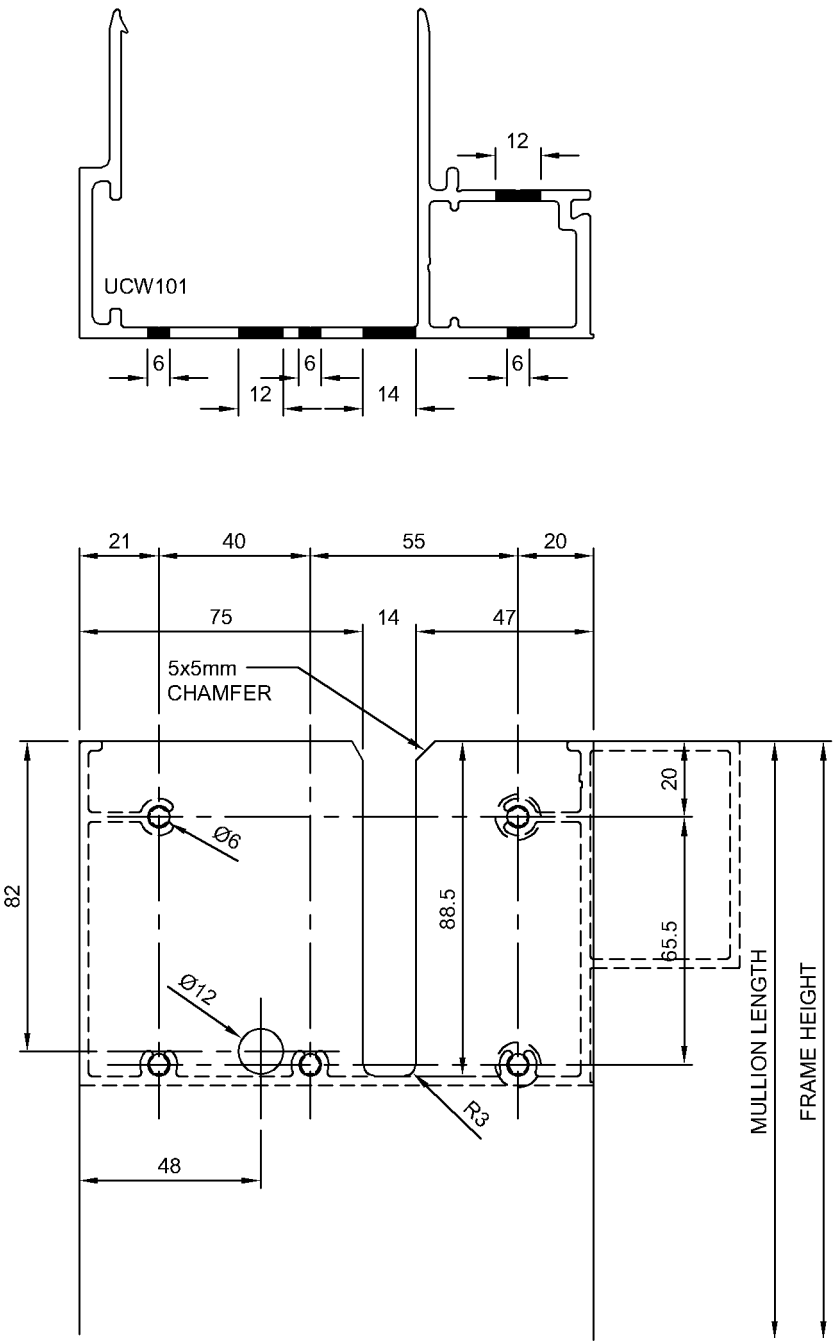
Female Mullion Preparation - Closer Head Detail

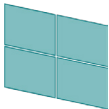




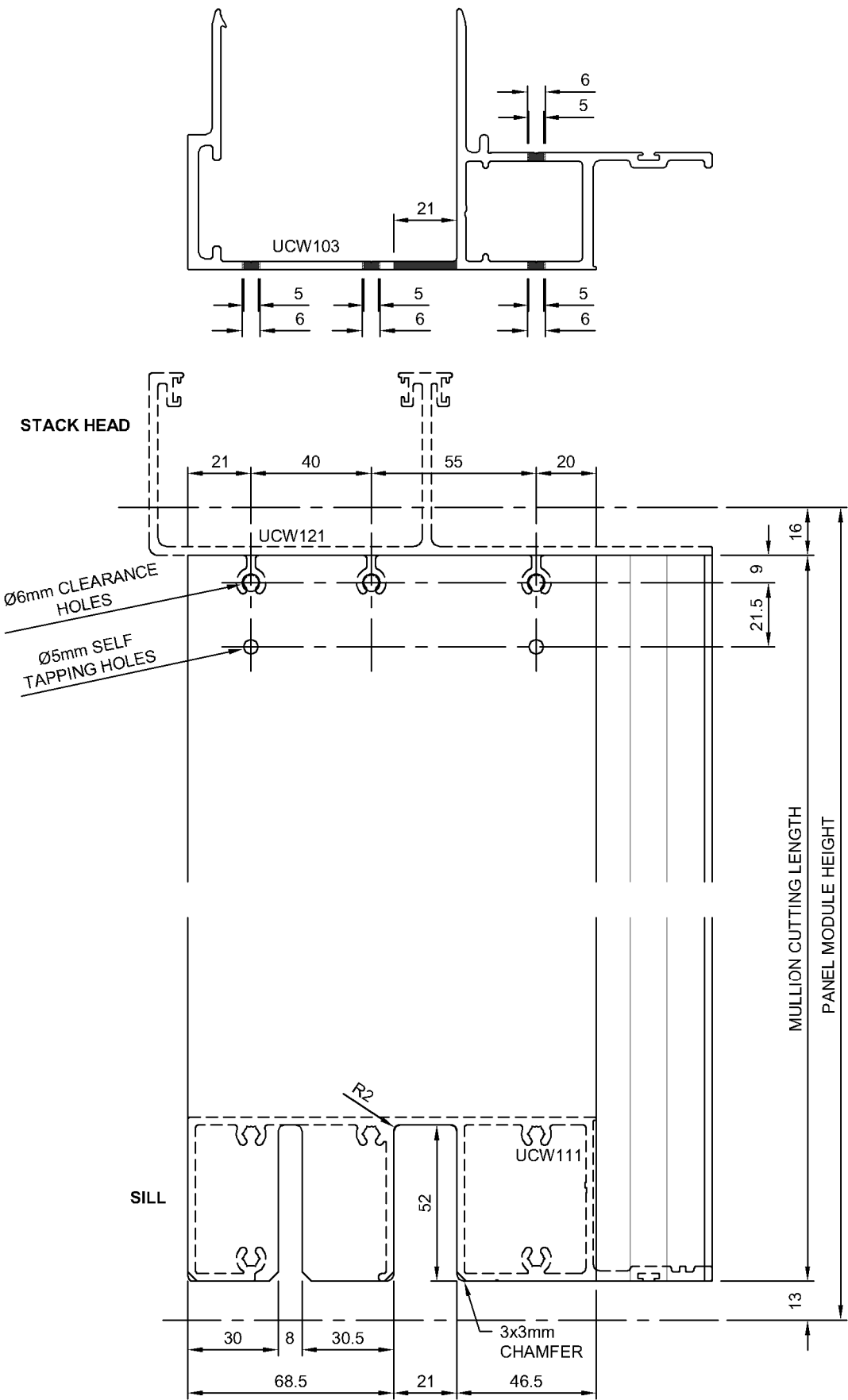
10. Manufacturing Details

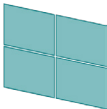
Male Mullion Preparation - Closer Head Detail



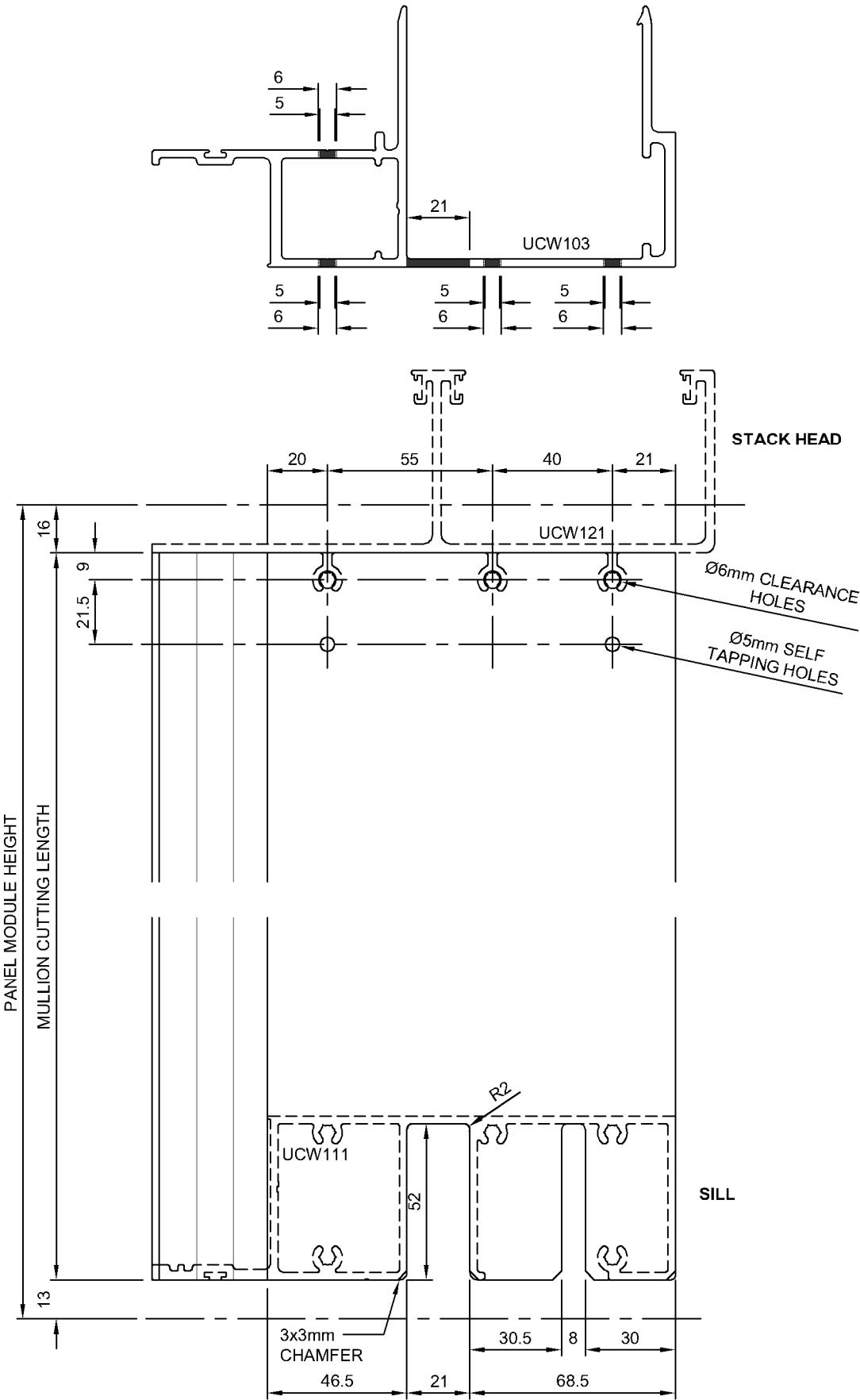


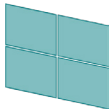
Male Starter Mullion Preparation - Stack Head / Sill



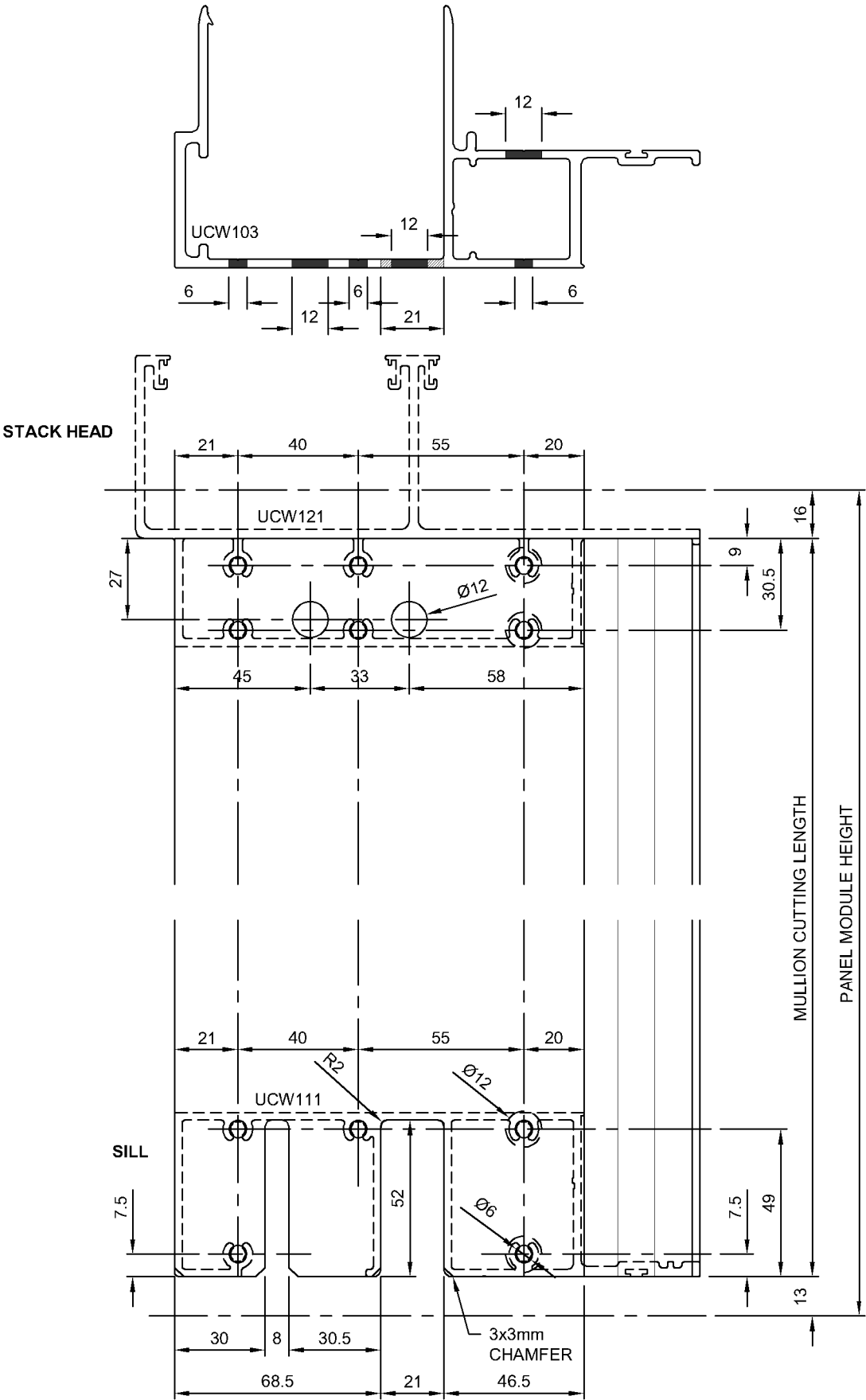


Male Closer Mullion Preparation - Stack Head / Sill

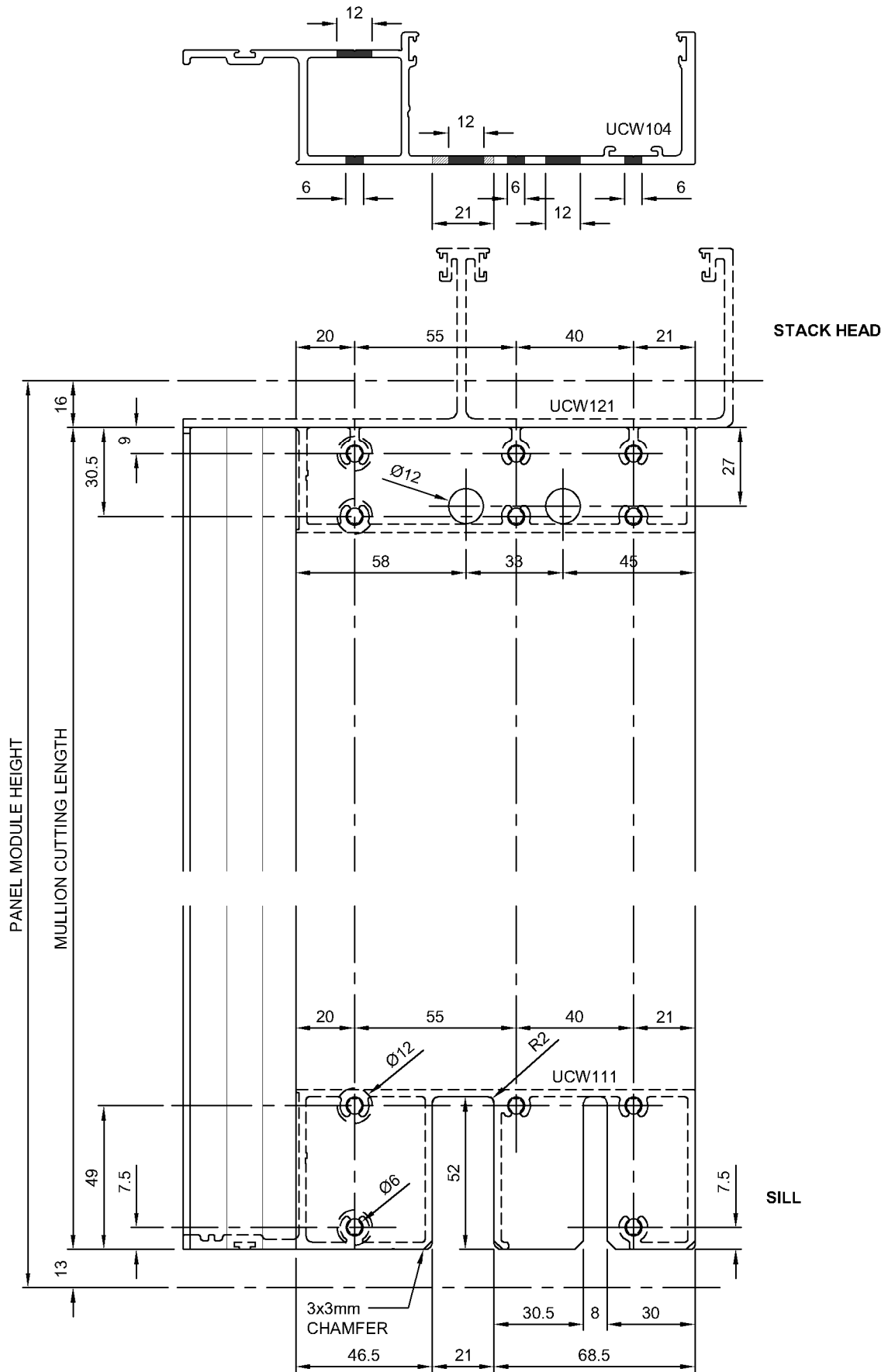


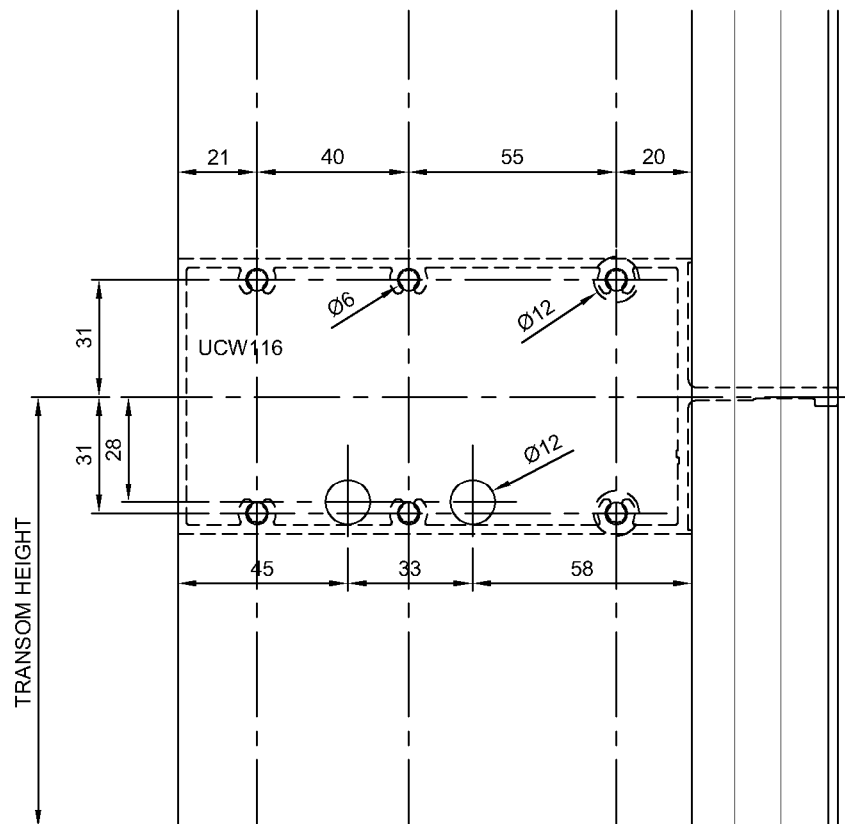


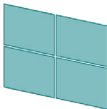
Male Mullion Preparation - Stack Head / Sill



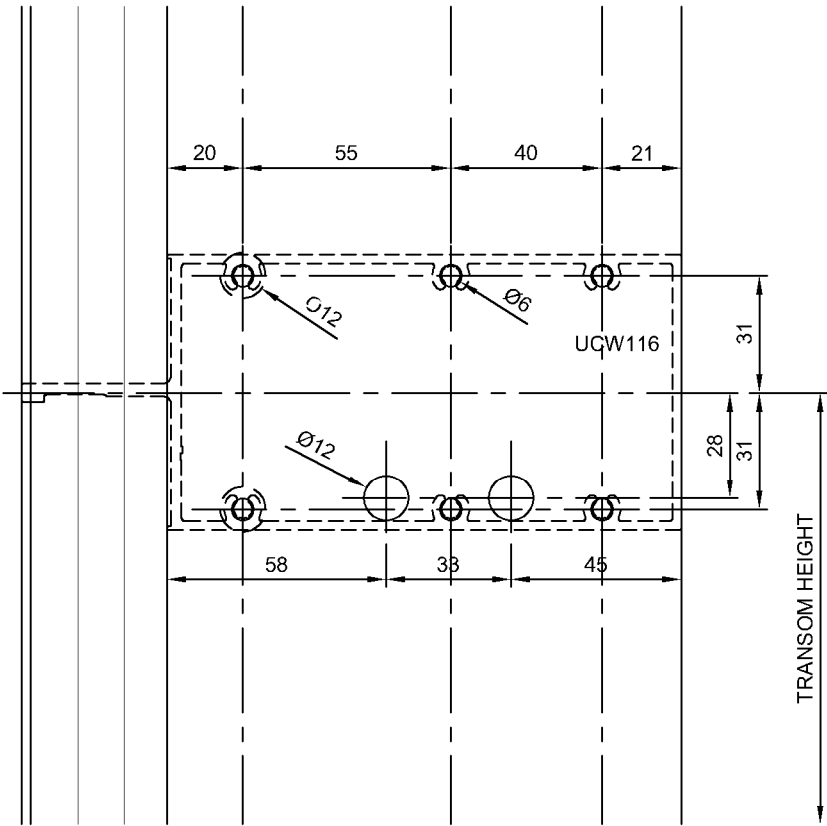
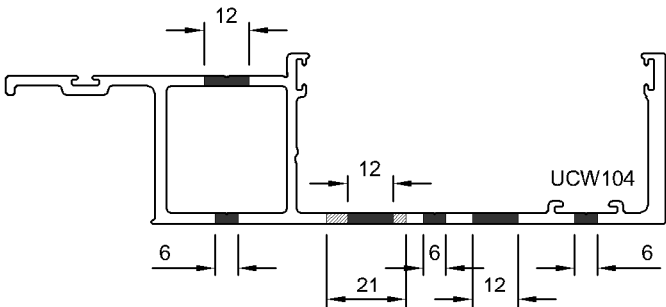
Female Mullion Preparation - Stack Head / Sill

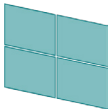




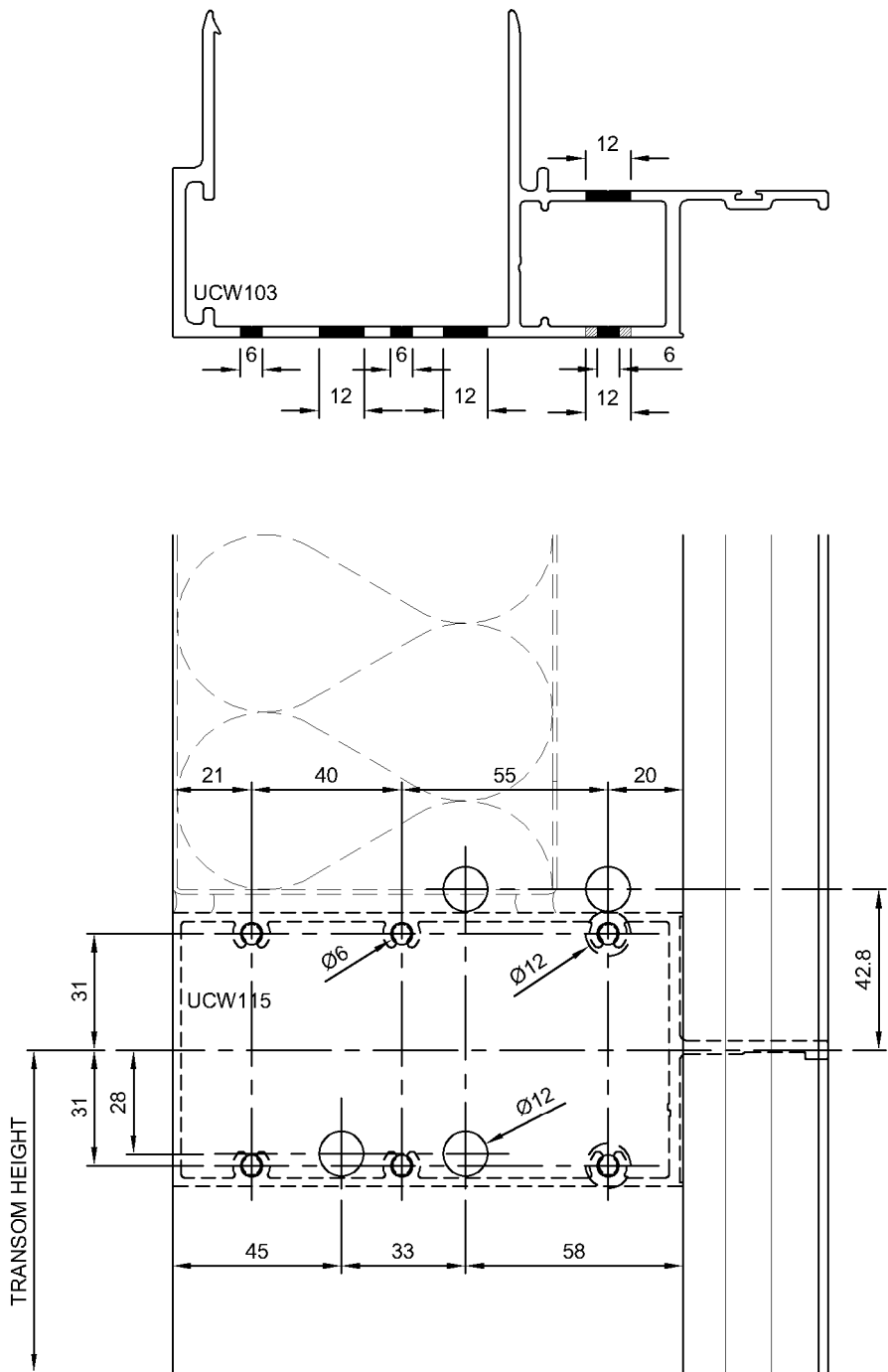


Female Mullion Preparation - Vision Transom

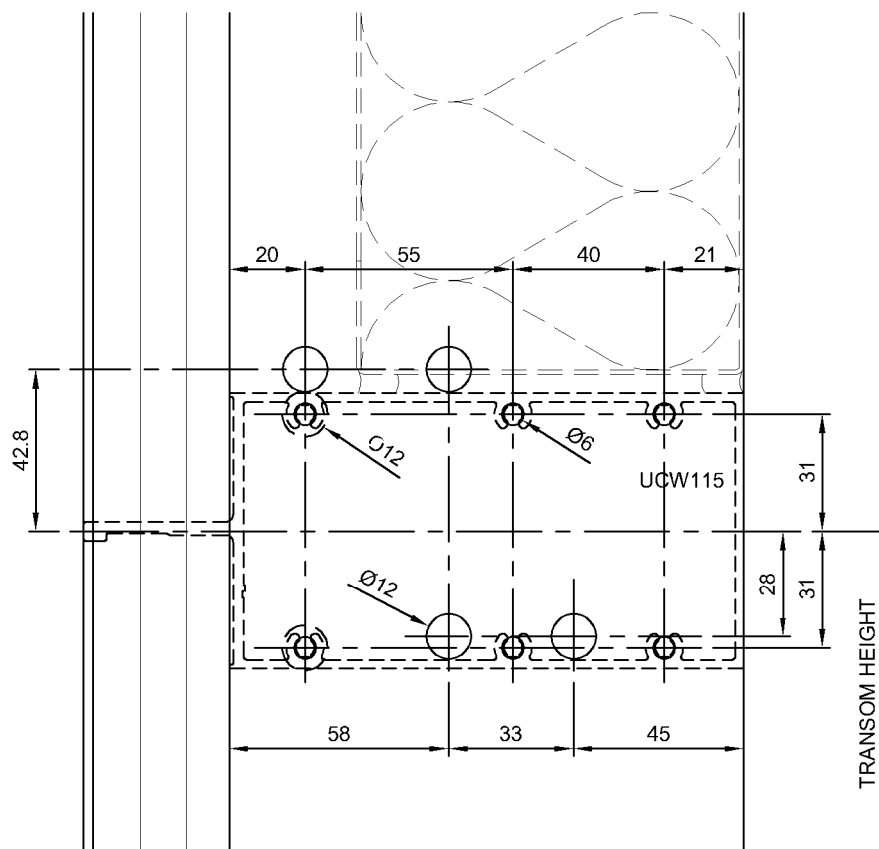
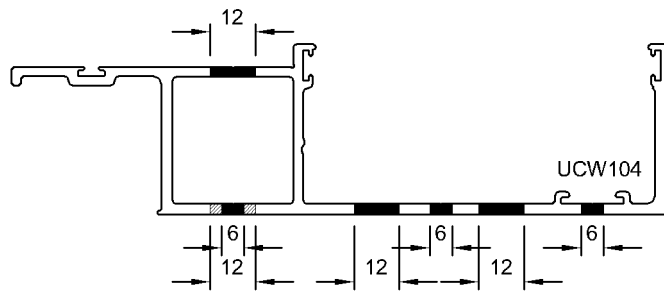


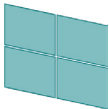


Male Mullion Preparation - Spandrel Transom

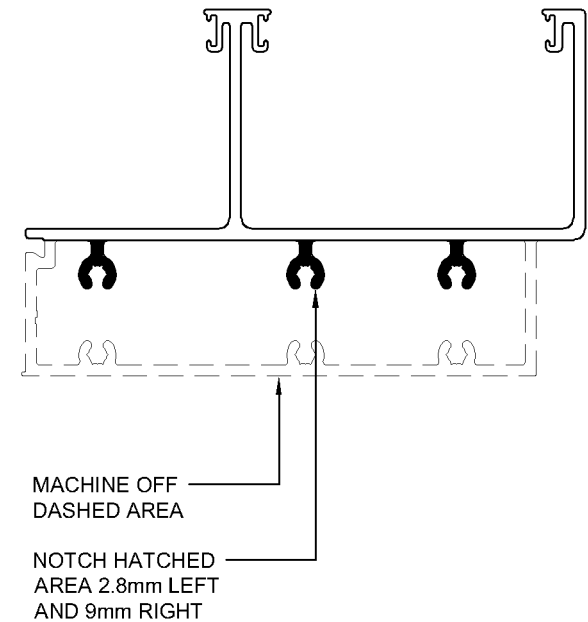
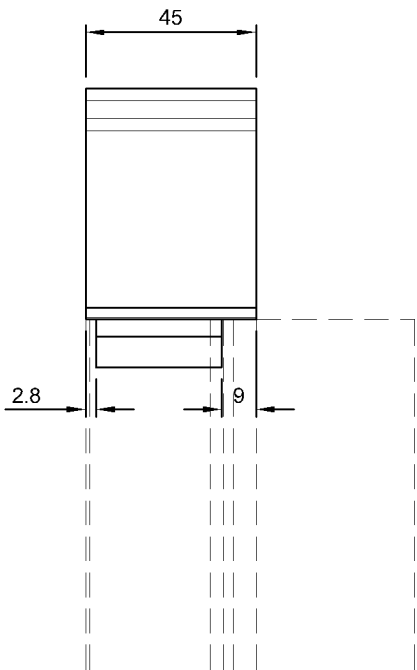
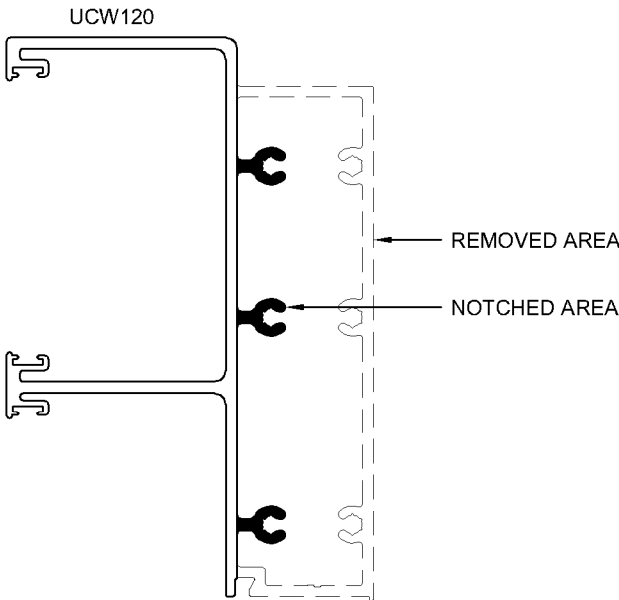
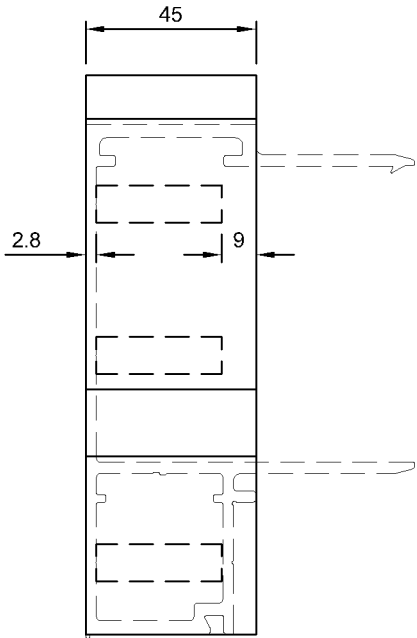


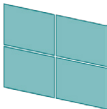
Female Mullion Preparation - Spandrel Transom



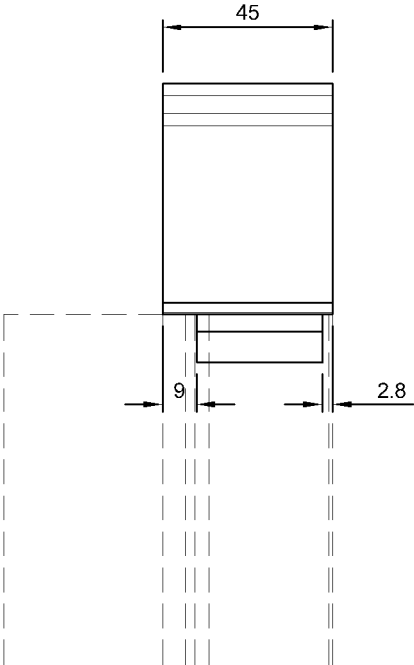
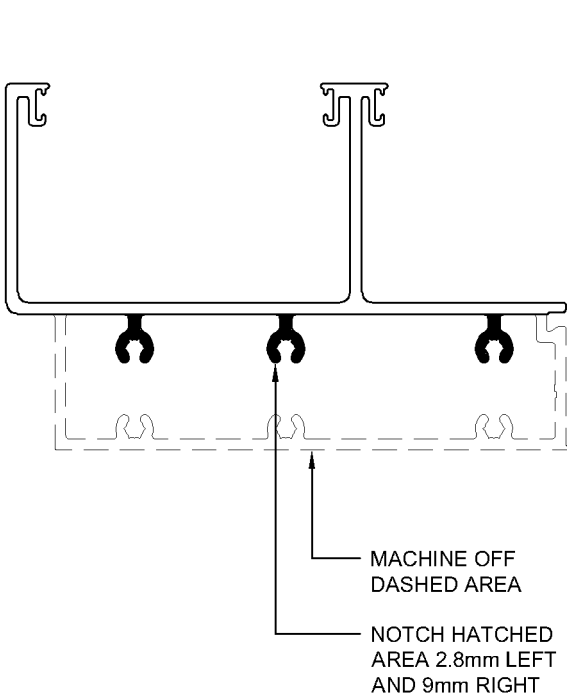
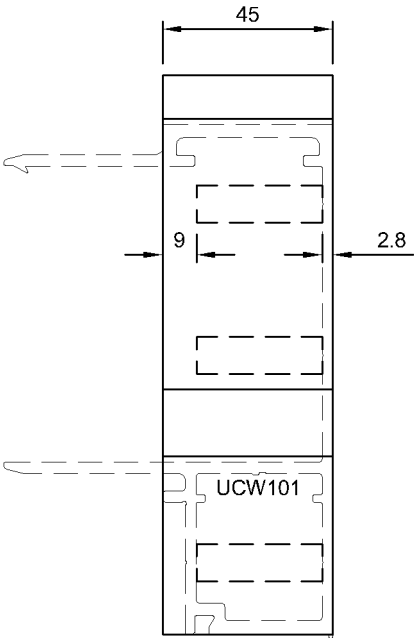
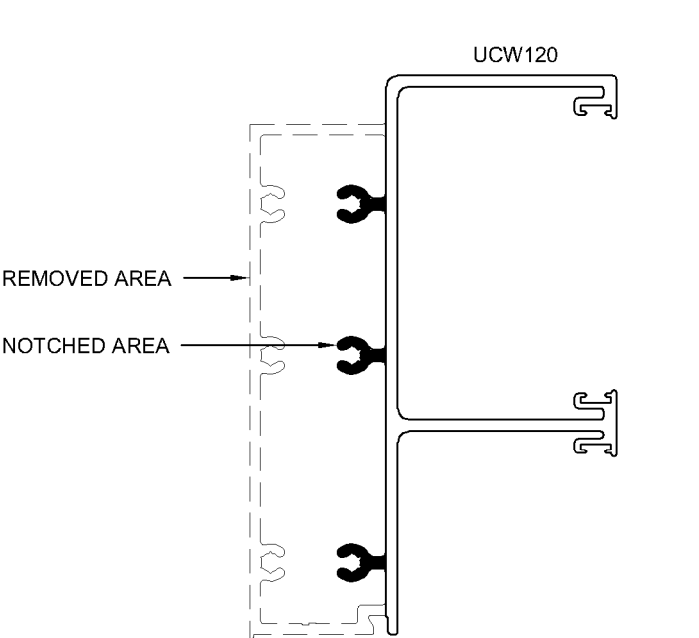


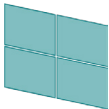
Starter Stack Head Preparation



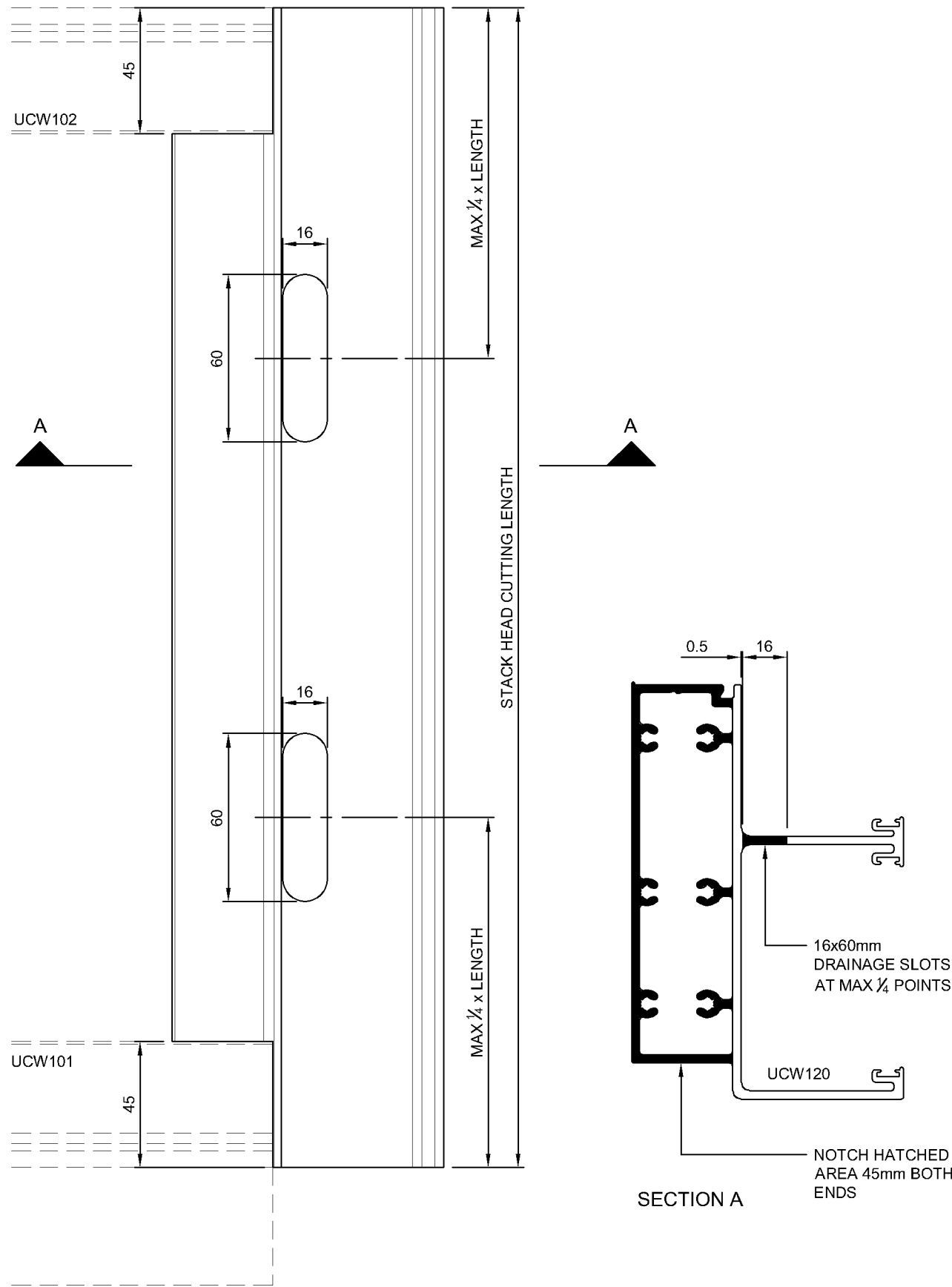


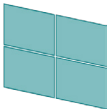
Closer Stack Head Preparation



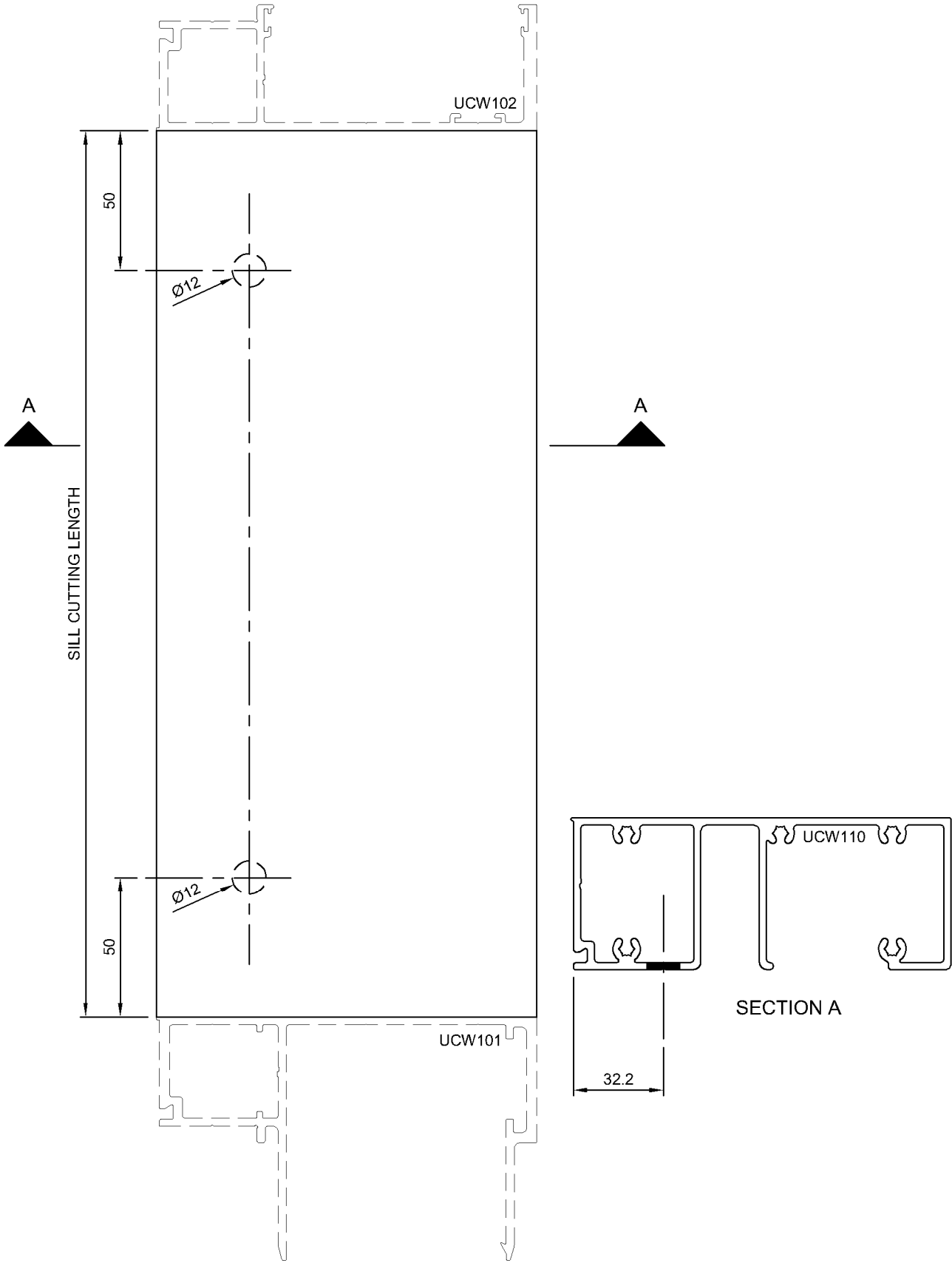


Stack Head Preparation

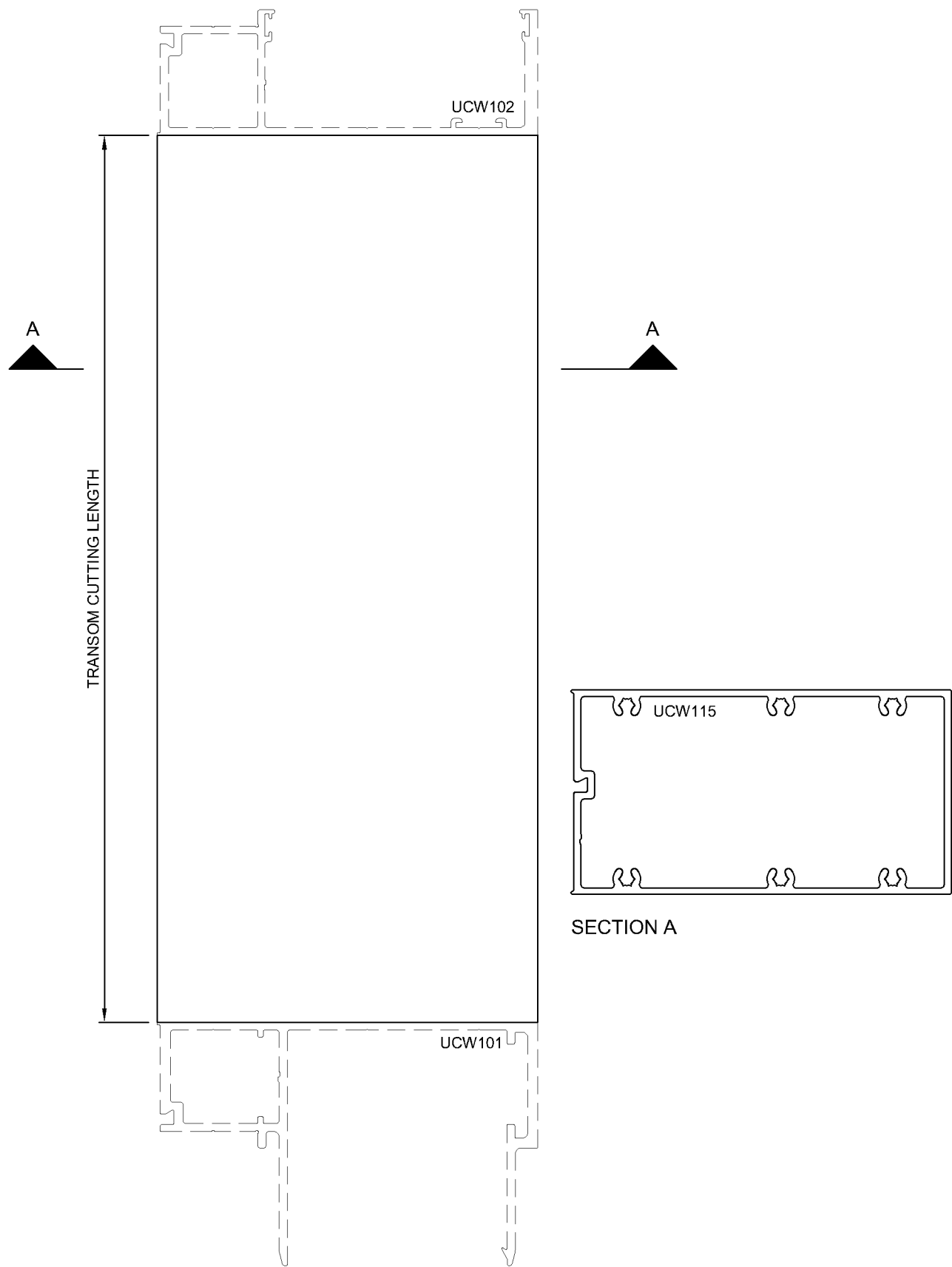


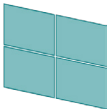


Sill Preparation

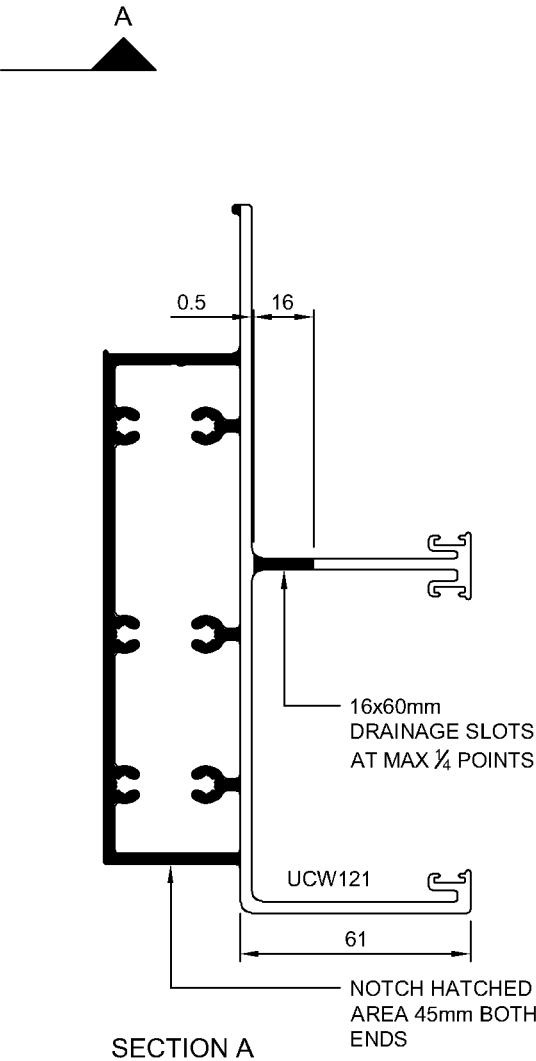
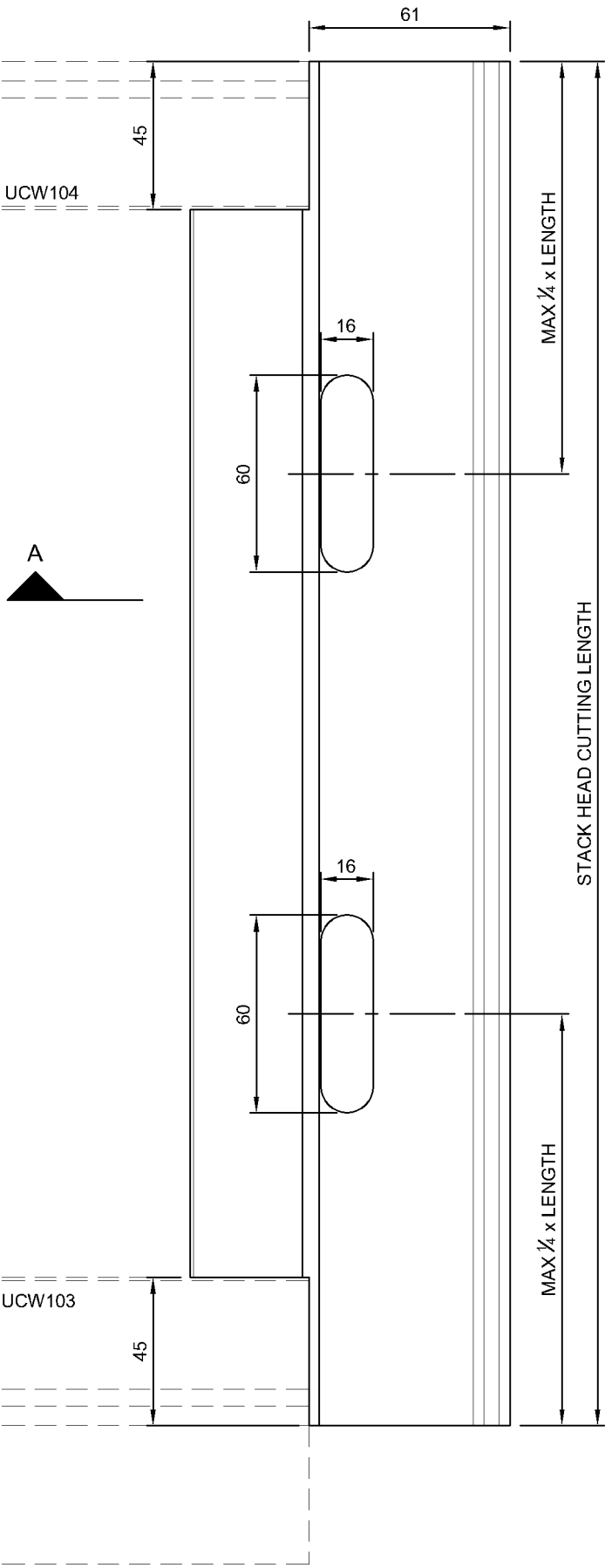


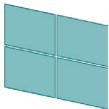
Transom Preparation



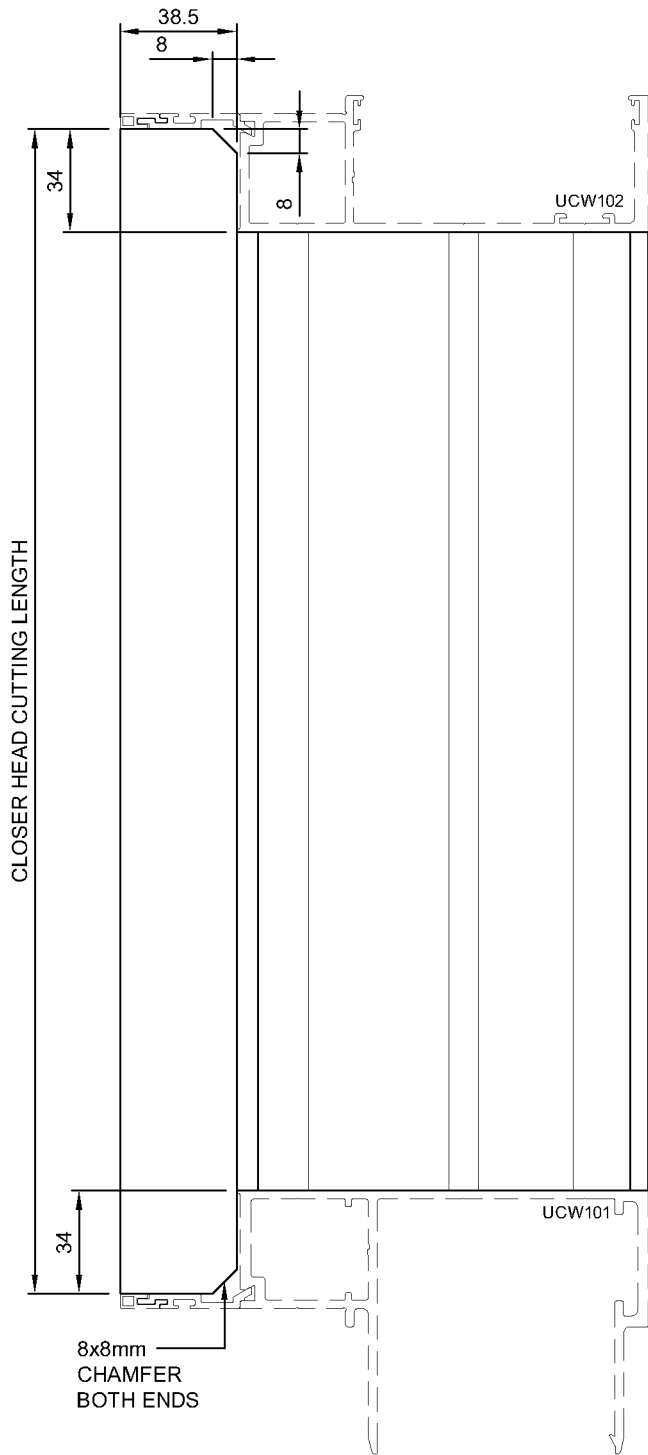


Stack Head Preparation

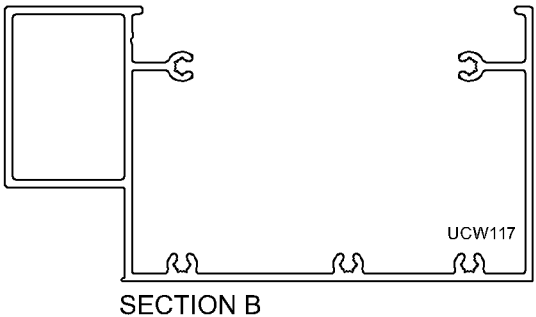
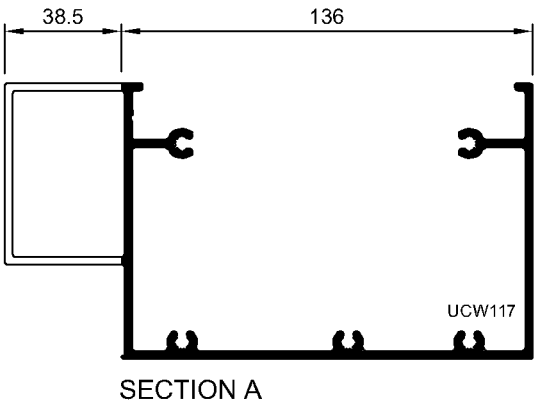


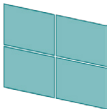


Closer Head Preparation

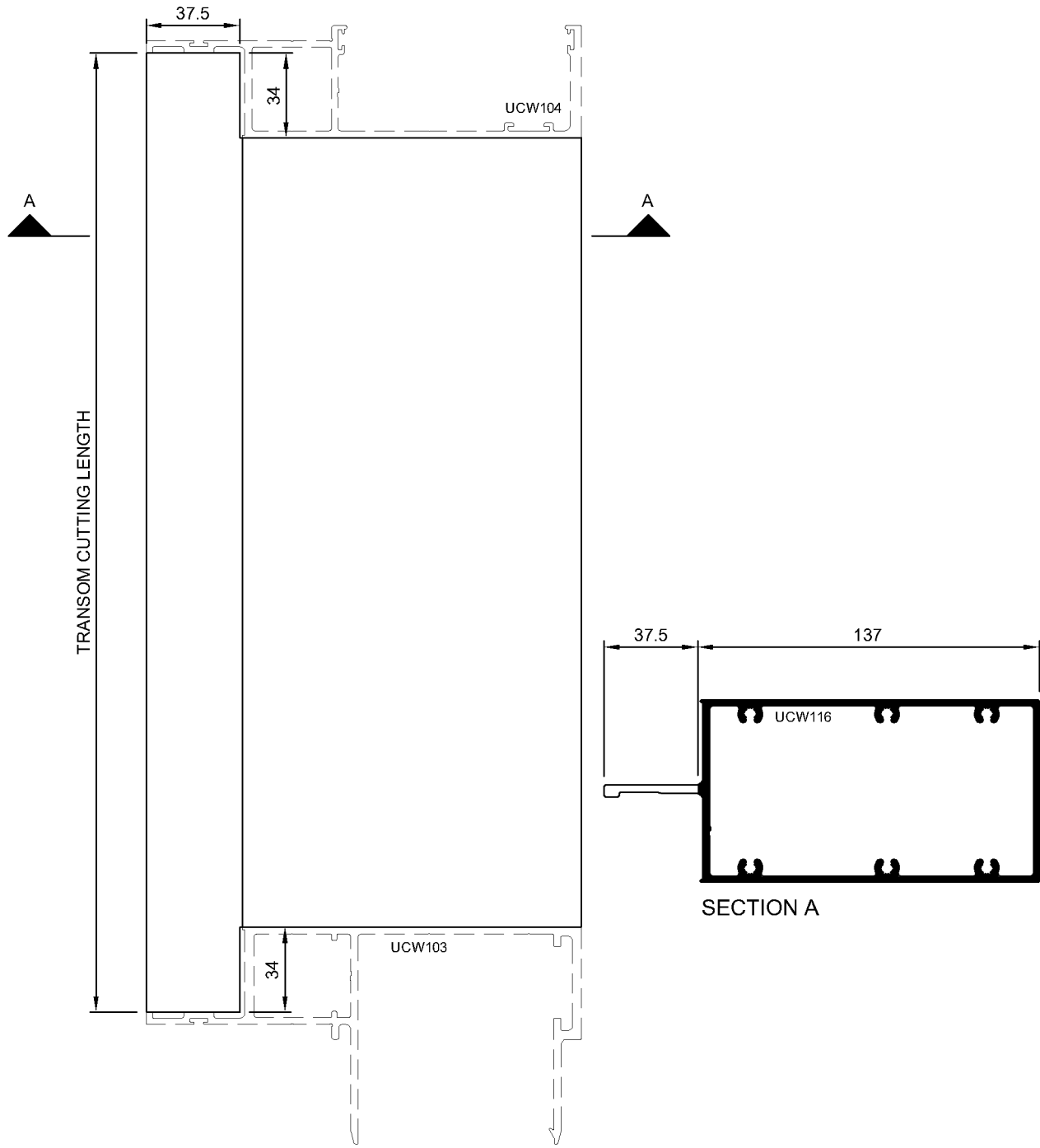


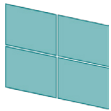
NOTE:
UCW117 CLOSER HEAD SIZED
TO BE USED IN CONJUNCTION
WITH PA11 GLAZING BEAD ONLY



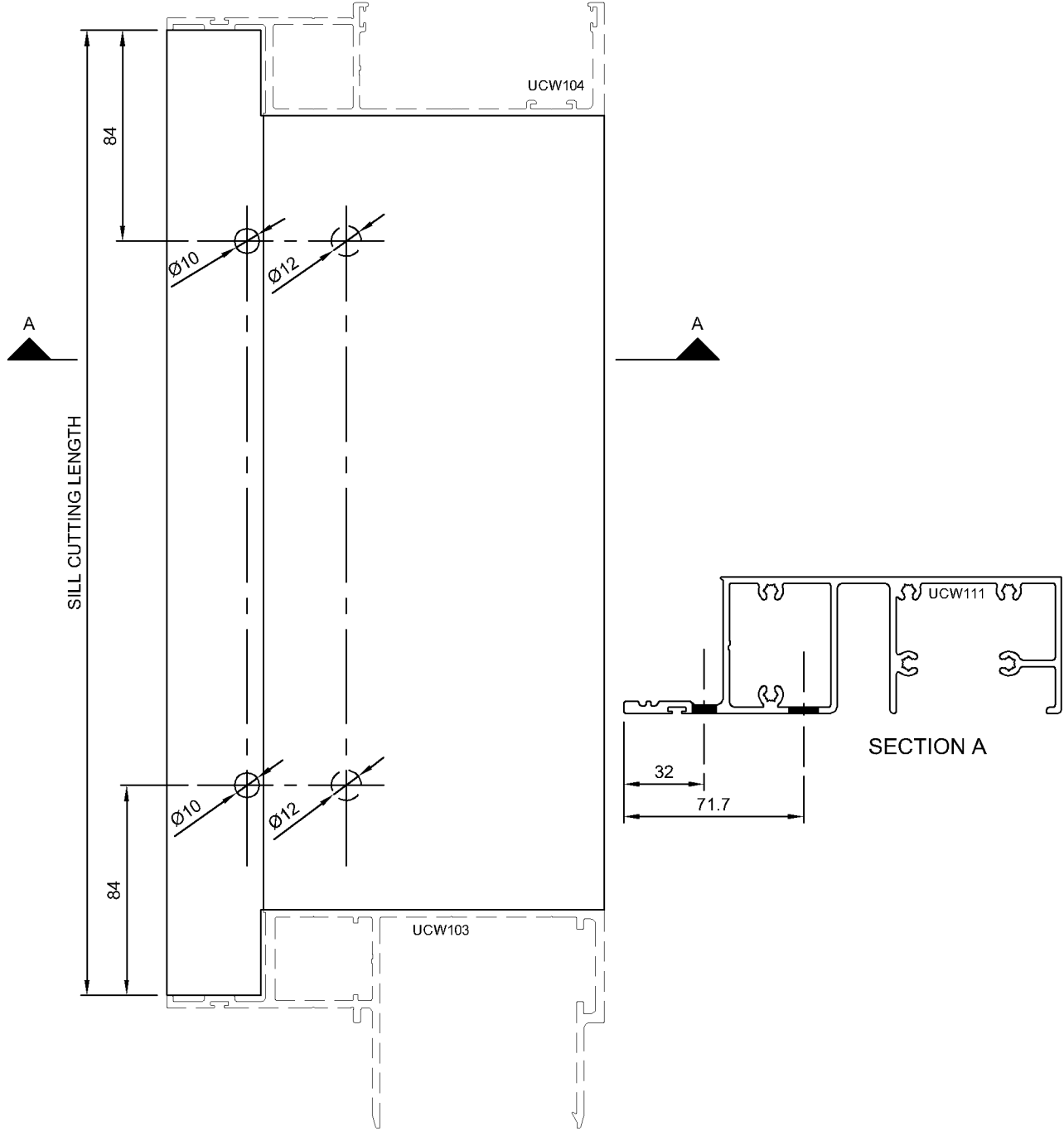


Transom Preparation

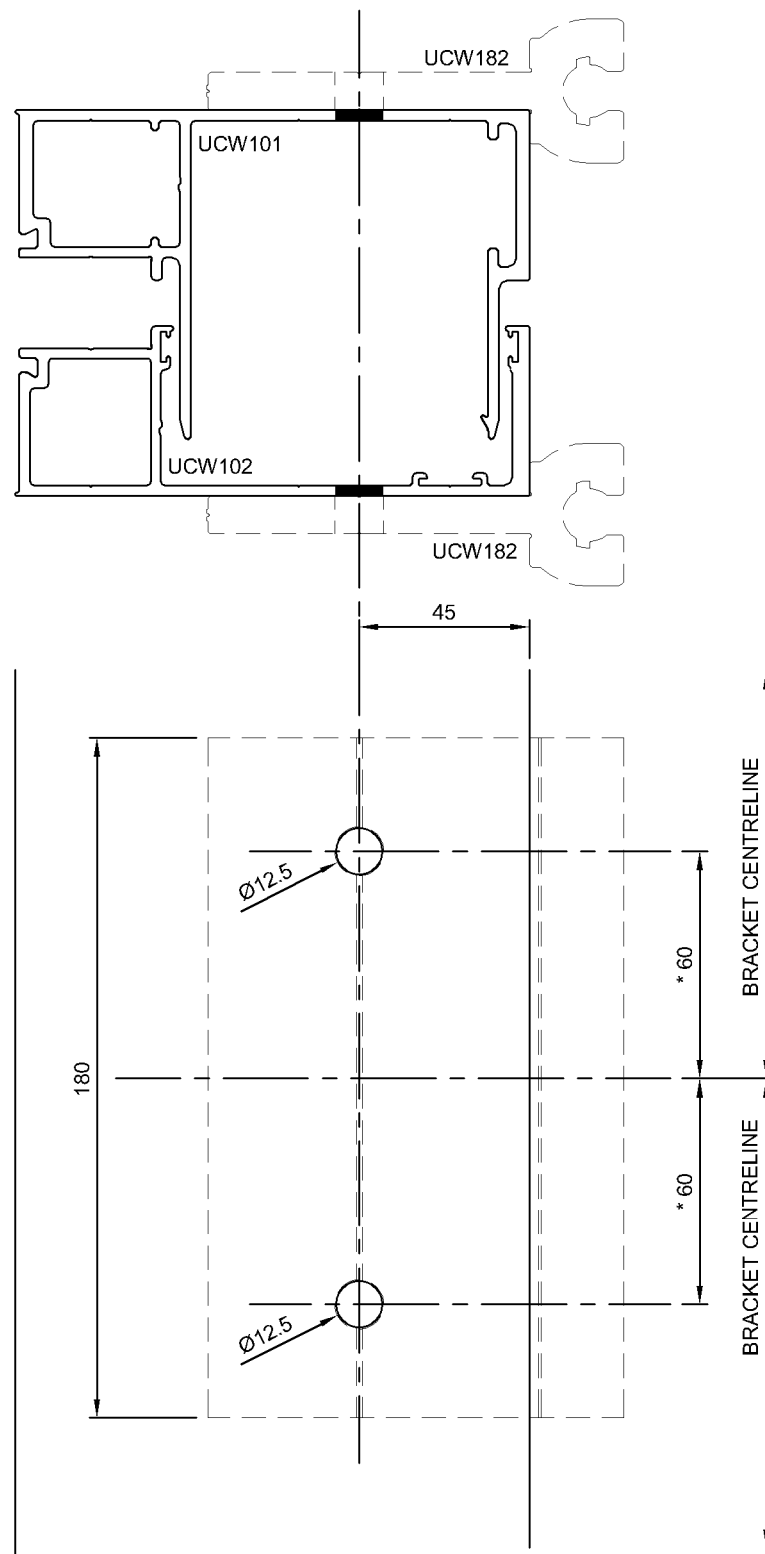




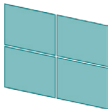
Sill Preparation



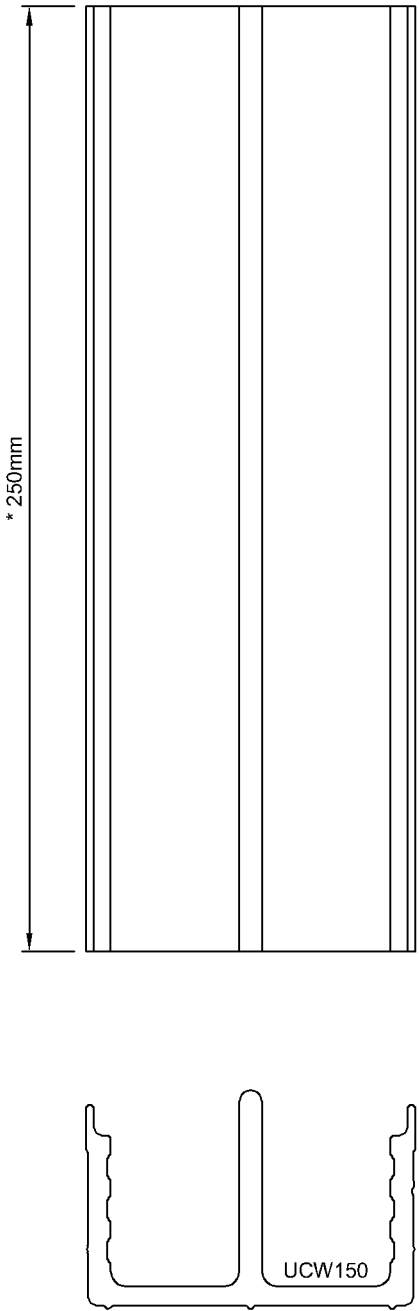
Mullion Preparation - Structural Mullion Bracket Connection



* DIMENSION BASED ON ALSPEC TESTED CONFIGURATION AND LOADINGS. TO BE VERIFIED BY STRUCTURAL ENGINEER FOR PROJECT SPECIFIC REQUIREMENTS

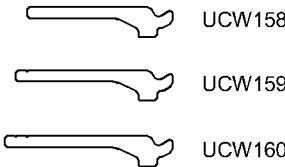
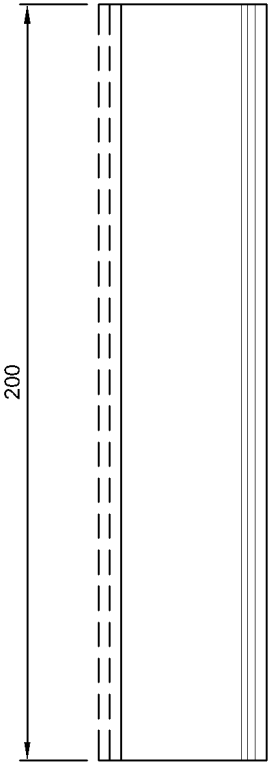


Structural Splice Preparation

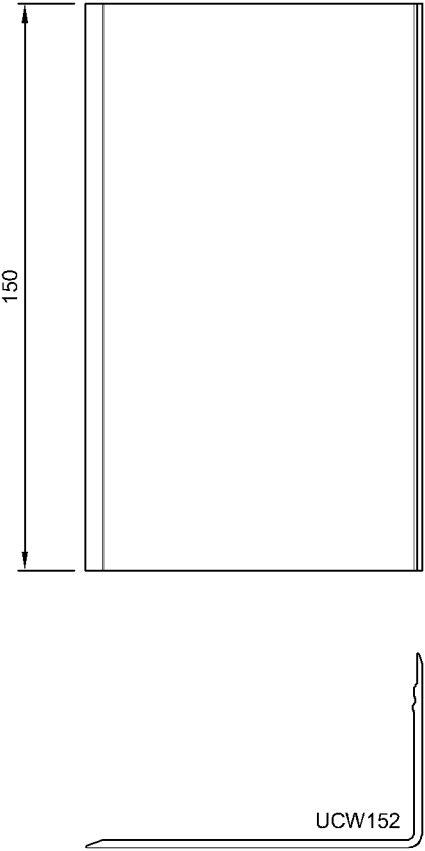


* DIMENSION BASED ON ALSPEC TESTED CONFIGURATION AND LOADINGS. TO BE VERIFIED BY STRUCTURAL ENGINEER FOR PROJECT SPECIFIC REQUIREMENTS

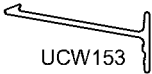
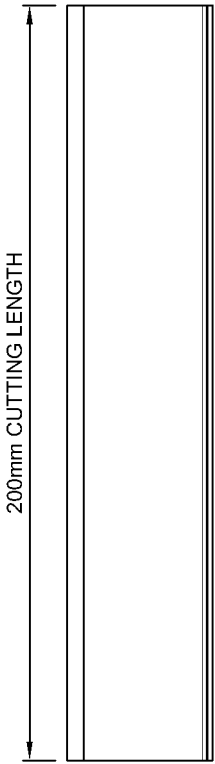
IGU Glazing Seat Preparation

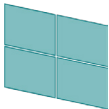


Panel Joint Flashing Preparation

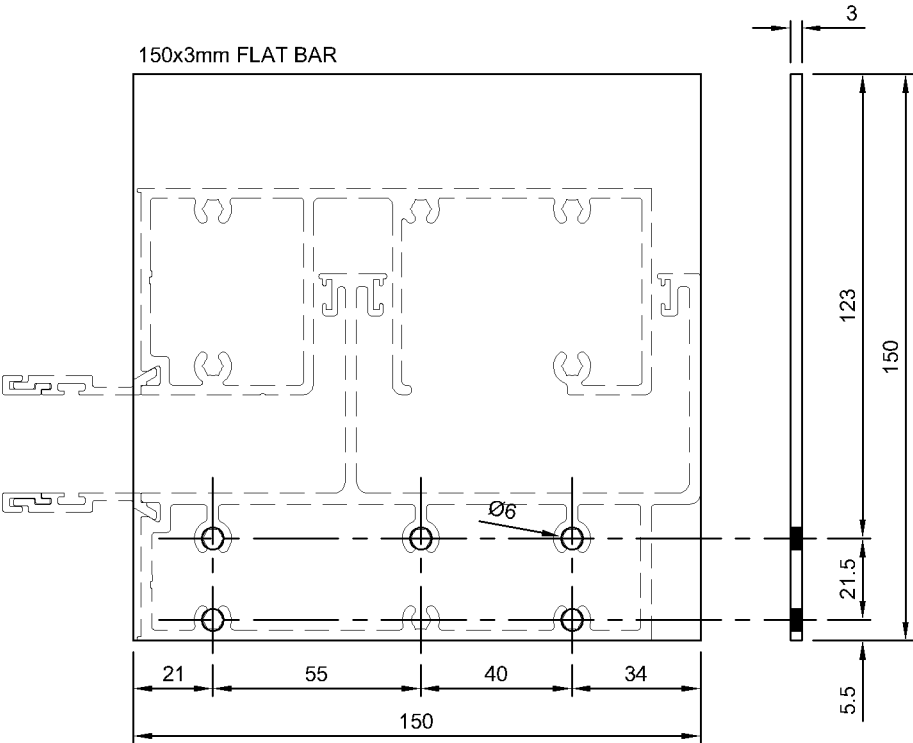


Anti Buckling Clip Preparation



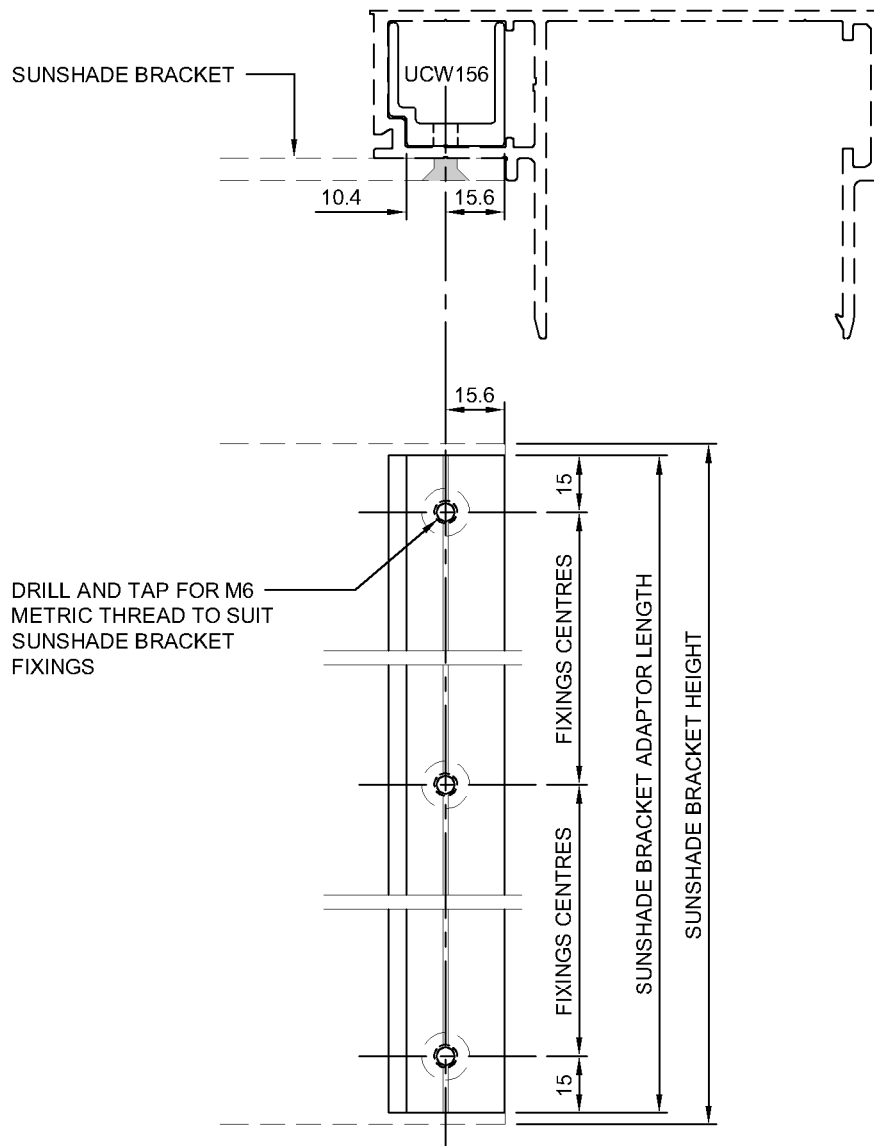


Starter Jamb End Plate Preparation

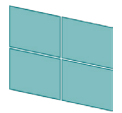


10. Manufacturing Details

Front Sunshade Bracket Adaptor Preparation

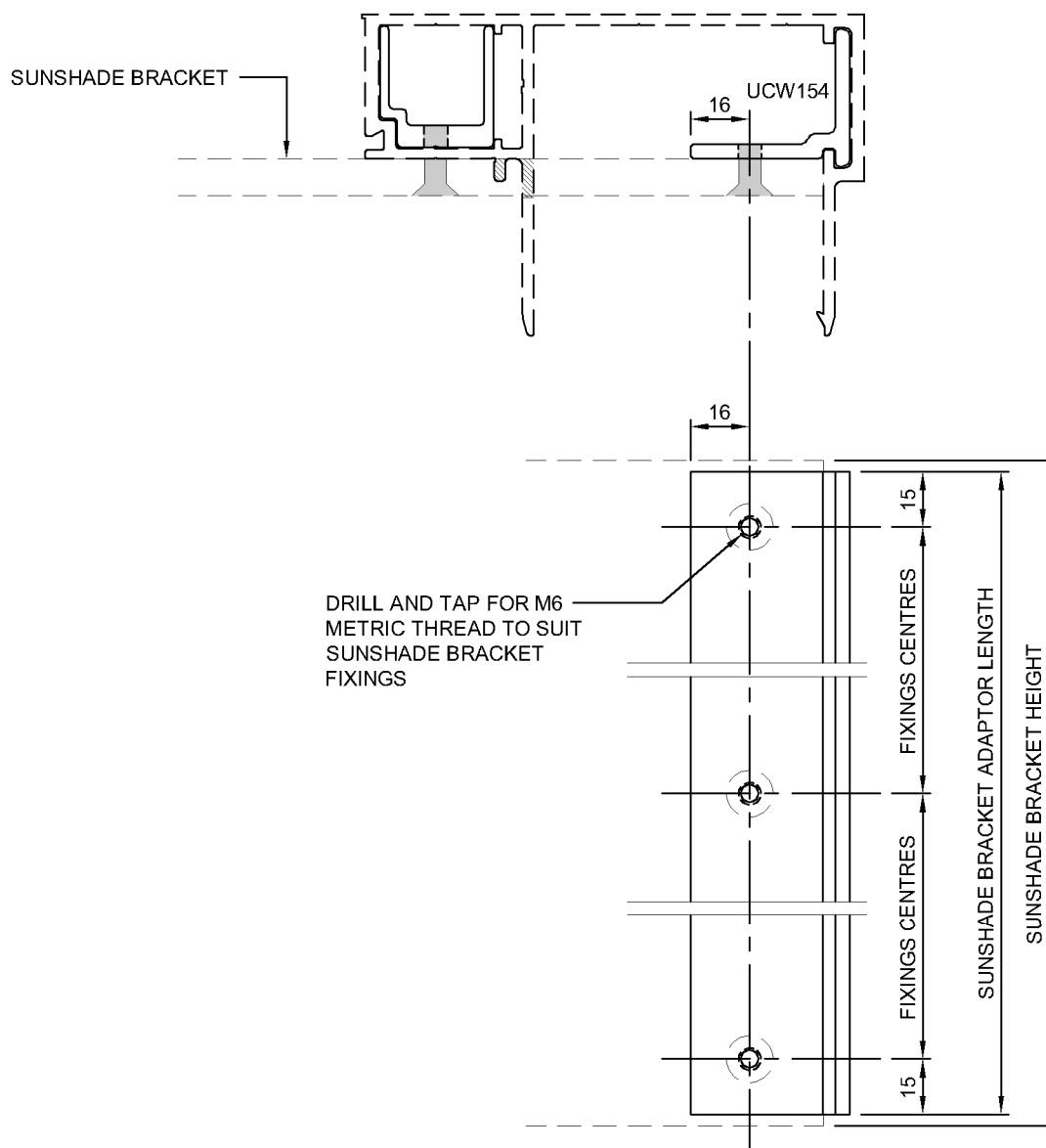


NOTE:
SUNSHADE BRACKET DESIGN AND FIXING CENTRES ARE TO
BE DETERMINED BY STRUCTURAL ENGINEER FOR PROJECT
SPECIFIC REQUIREMENTS

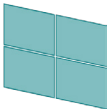


10. Manufacturing Details

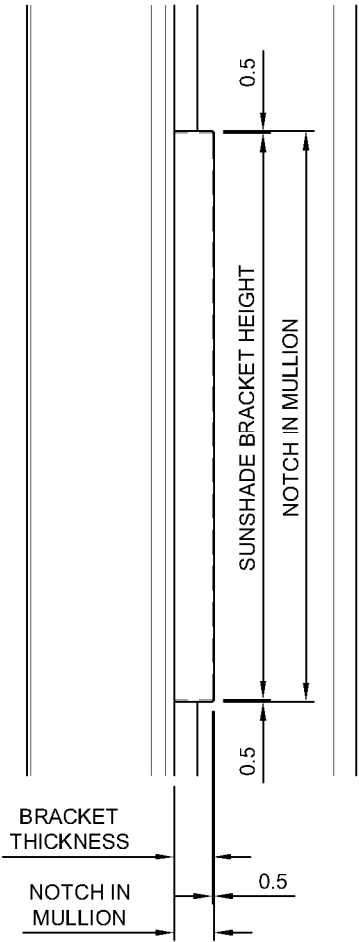
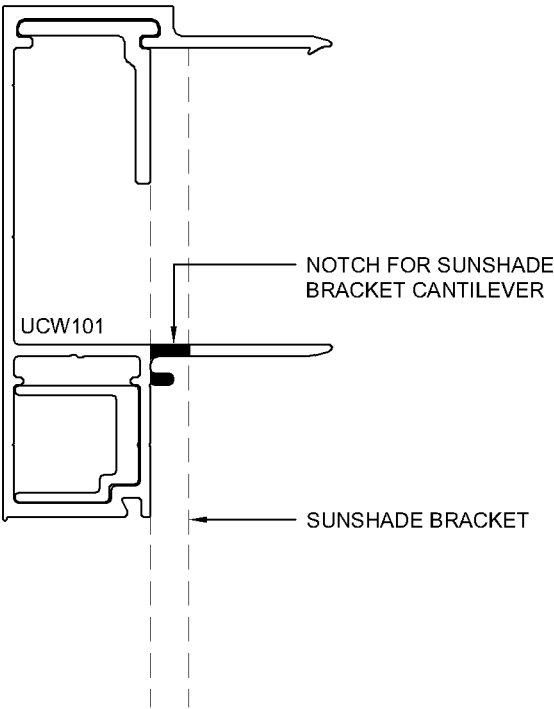
Rear Sunshade Bracket Adaptor Preparation



NOTE:
SUNSHADE BRACKET DESIGN AND FIXING CENTRES ARE TO
BE DETERMINED BY STRUCTURAL ENGINEER FOR PROJECT
SPECIFIC REQUIREMENTS



Cantilever Sunshade Bracket Preparation



SECTION A

SECTION B

7x34mm NOTCH BOTH ENDS AROUND MULLIONS WITH 8x8mm CHAMFER CUT FOR DRAINAGE

SECTION A NOTCH AT MULLIONS

10x202mm NOTCH AT GLAZING SETTING BLOCK LOCATIONS

SECTION B NOTCH AT SETTING BLOCK DEADLOAD SEAT

GLAZING ADAPTOR CUTTING LENGTH

TRANSOM CUTTING LENGTH

* GLAZING SETTING BLOCK LOCATIONS

34

101

101

10

101

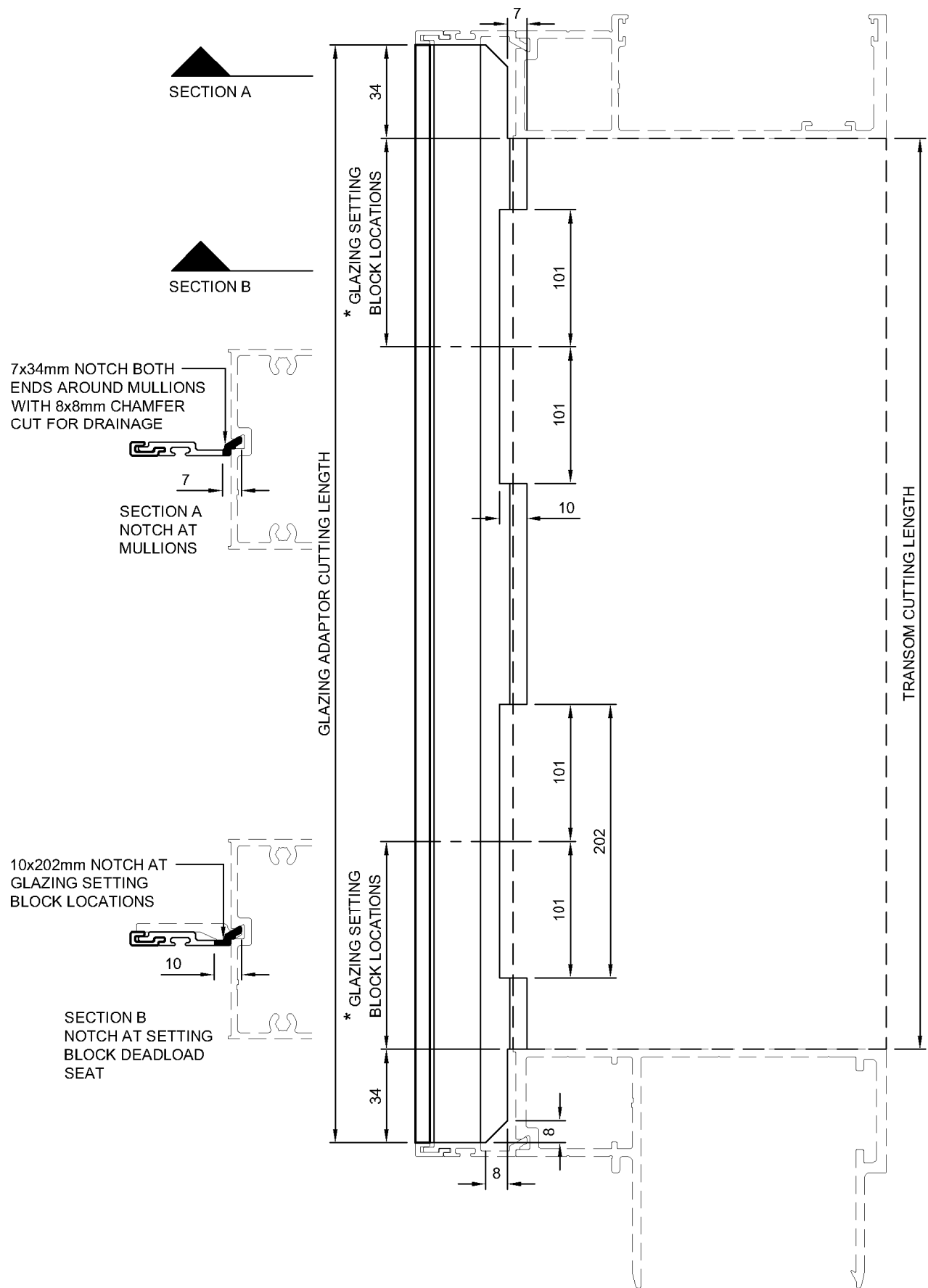
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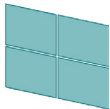
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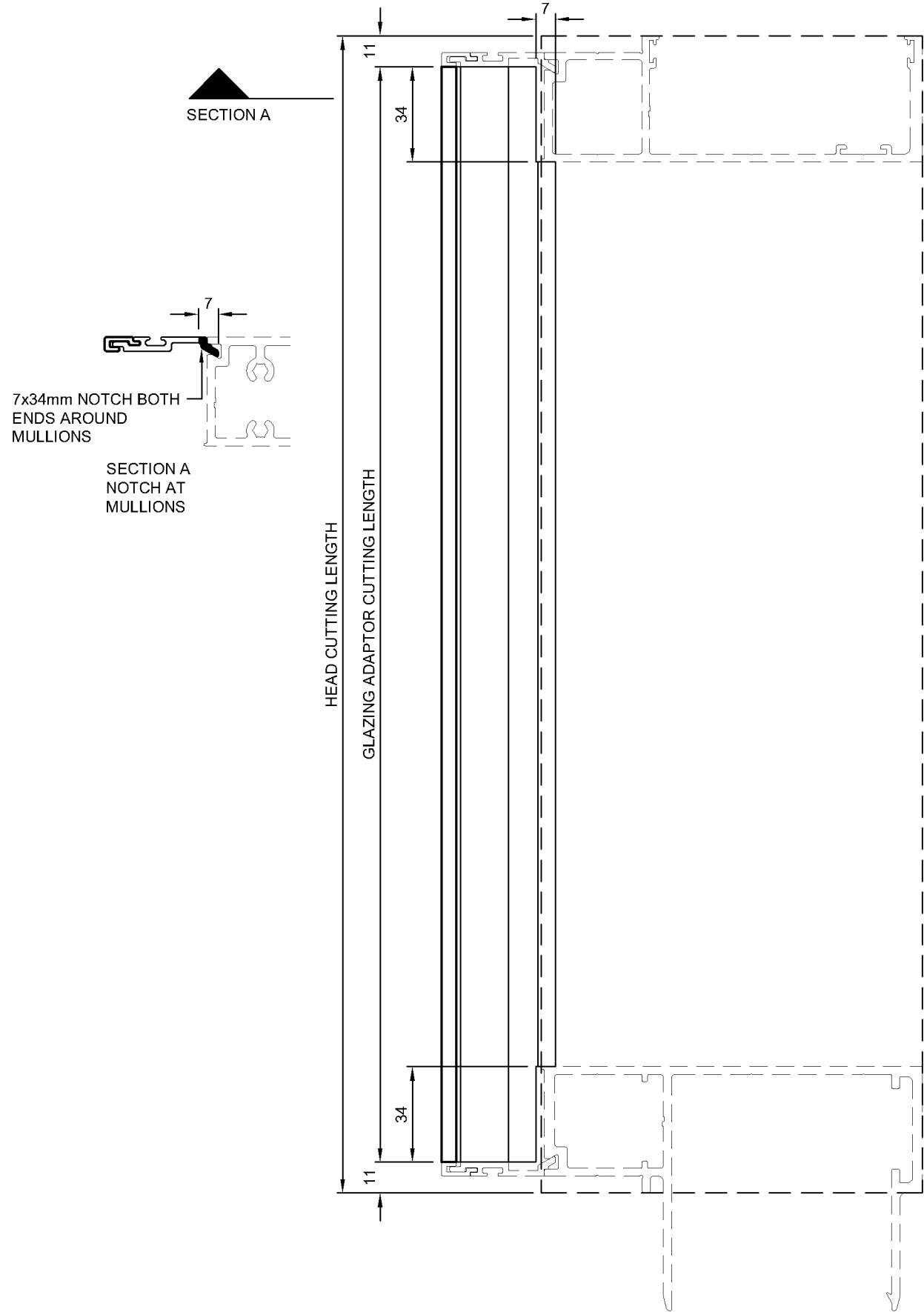
8

Polyamide Glazing Bead Preparation - Transom





Polyamide Glazing Bead Preparation - Stack Head



SECTION A

GLAZING ADAPTOR CUTTING LENGTH

MULLION CUTTING LENGTH

8x8mm CHAMFER BOTH ENDS

SECTION A

3

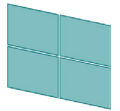
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8

8

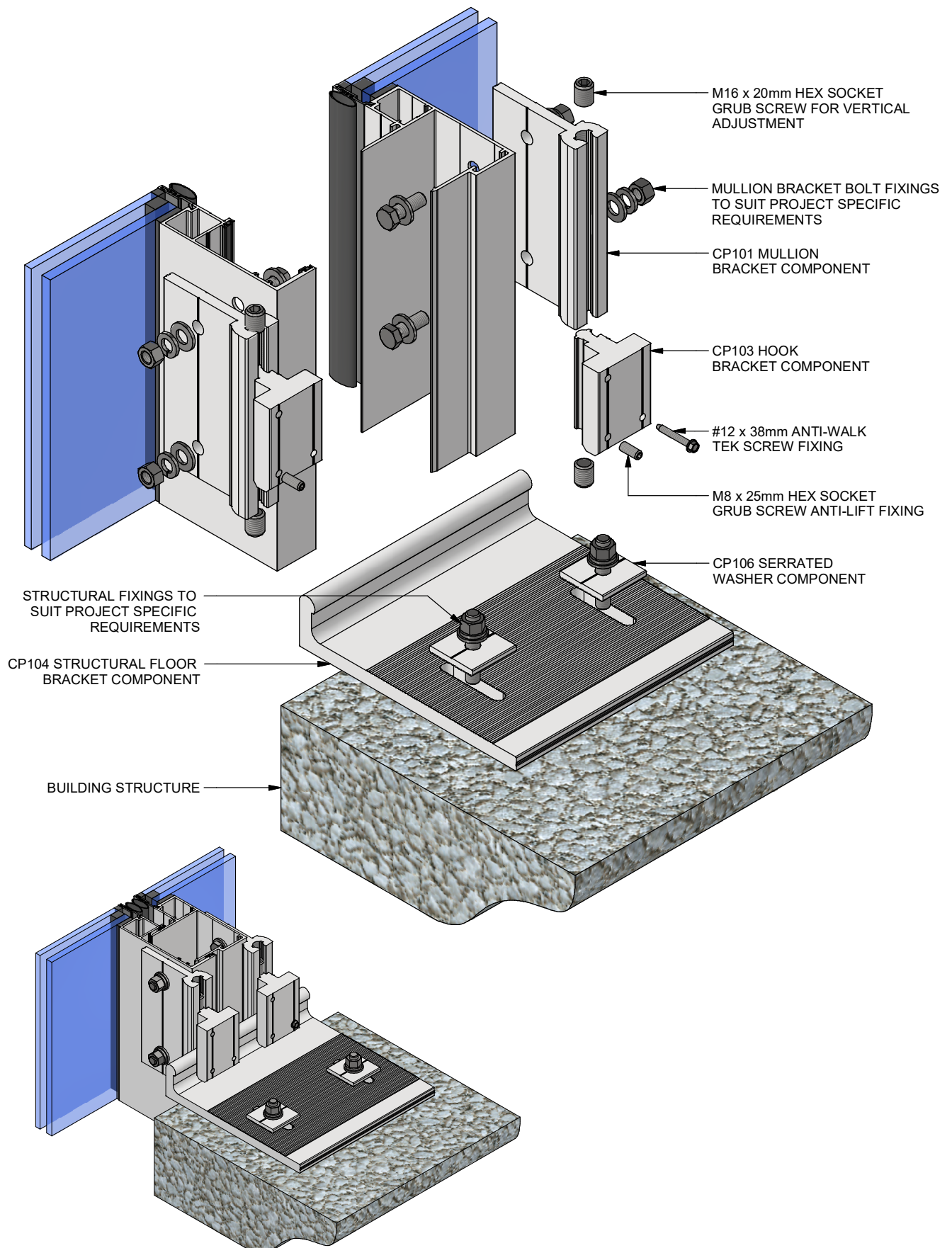
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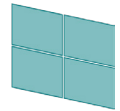
8



11. Assembly Details

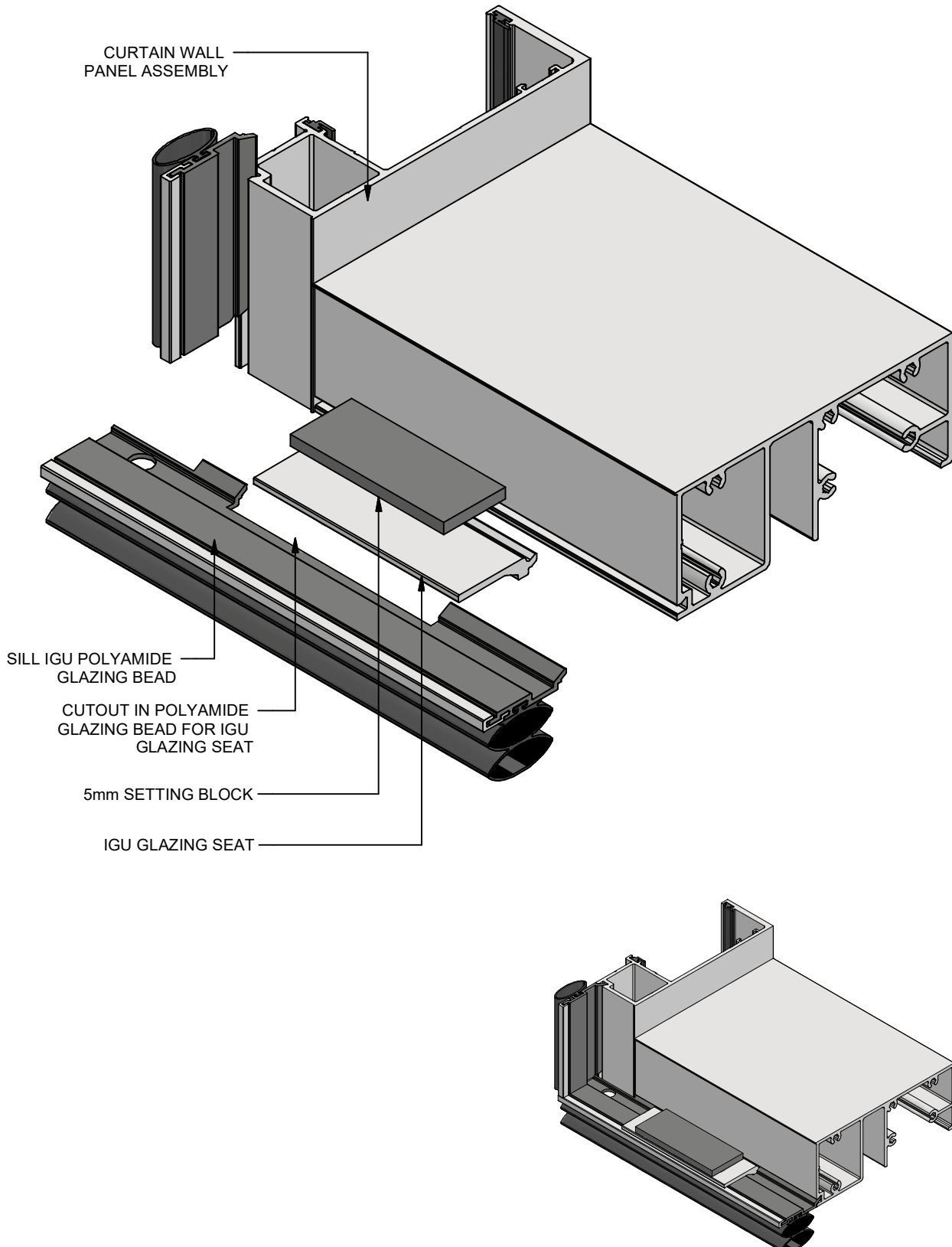
Structural Bracket Connection to Top of Slab

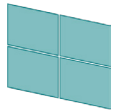




11. Assembly Details

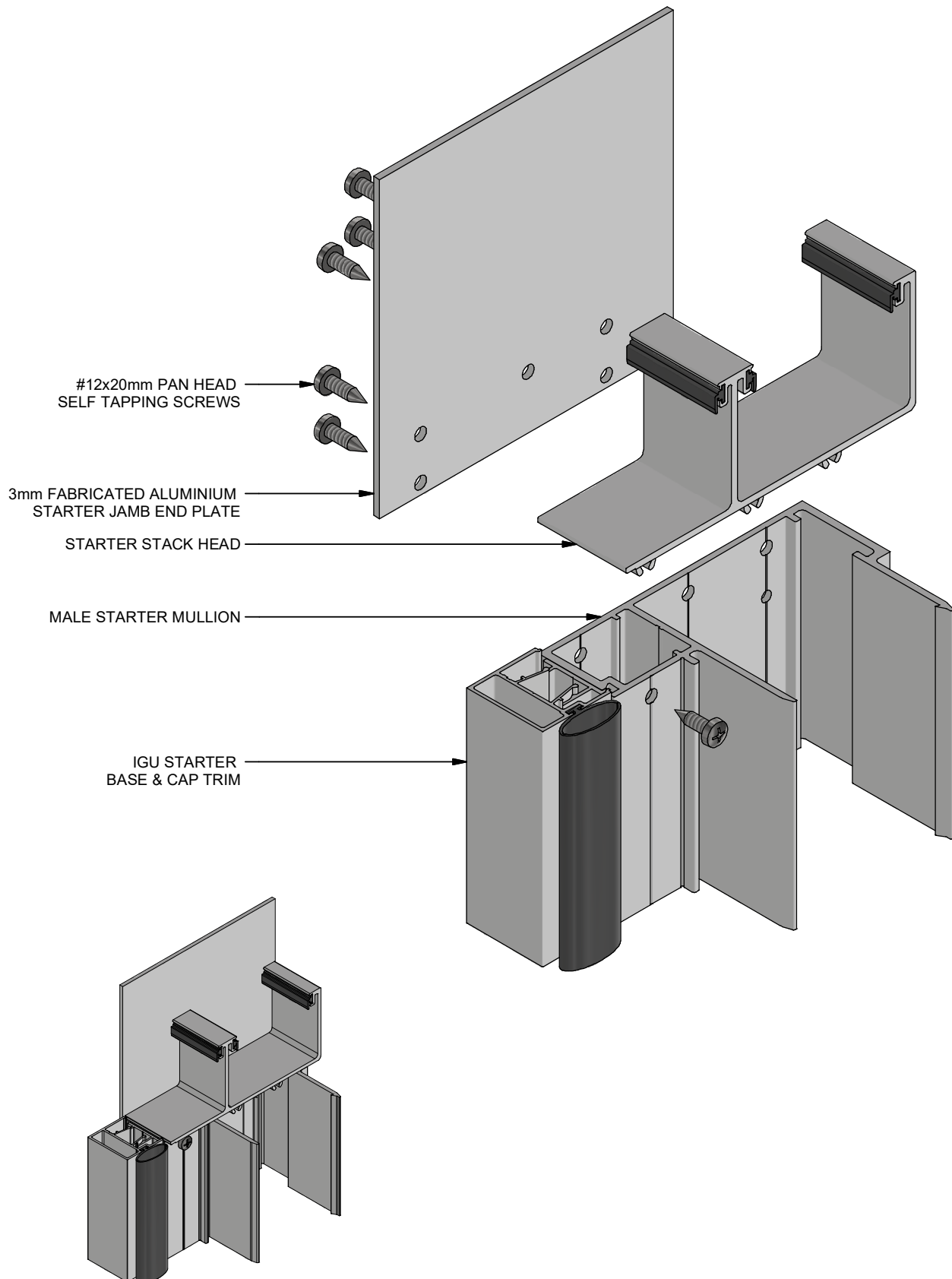
IGU Glazing Seat Preparation

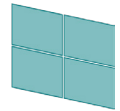




11. Assembly Details

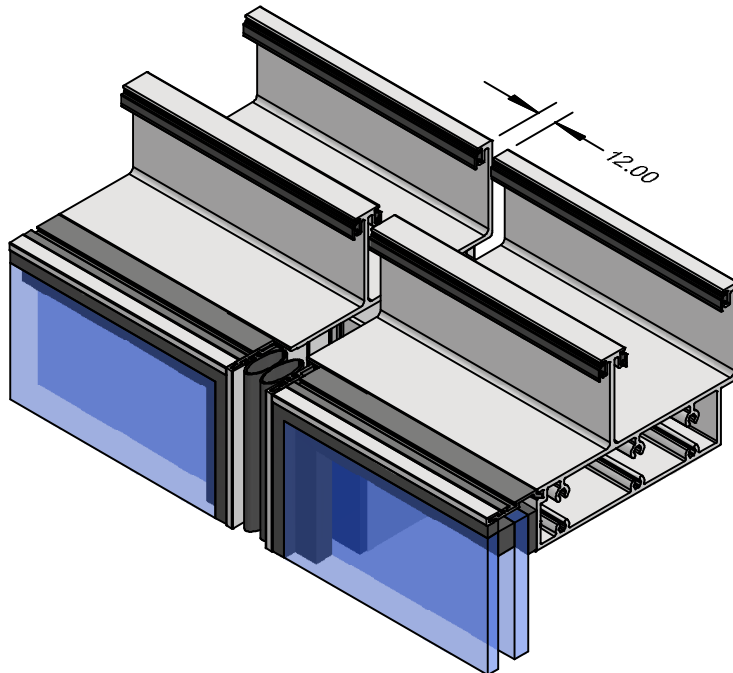
Left Starter Jamb Assembly





11. Assembly Details

Panel Splice Sleeve Installation

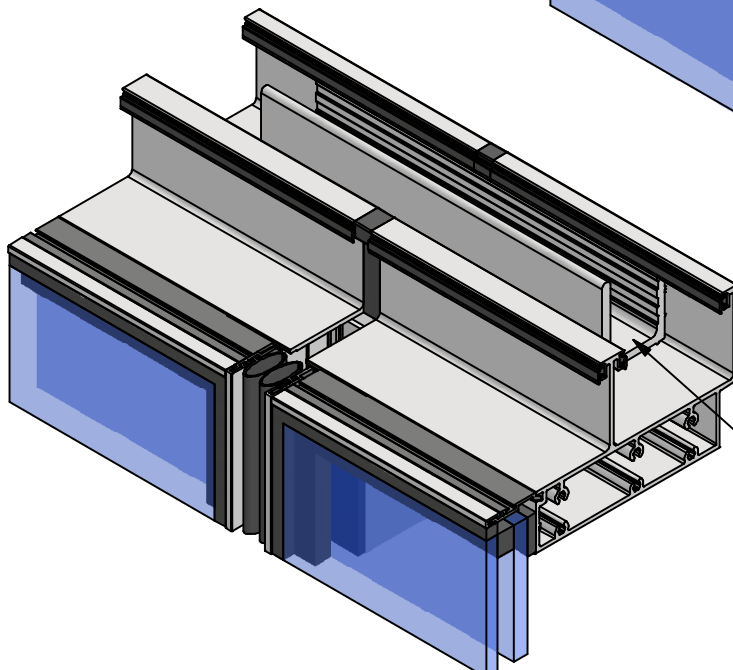
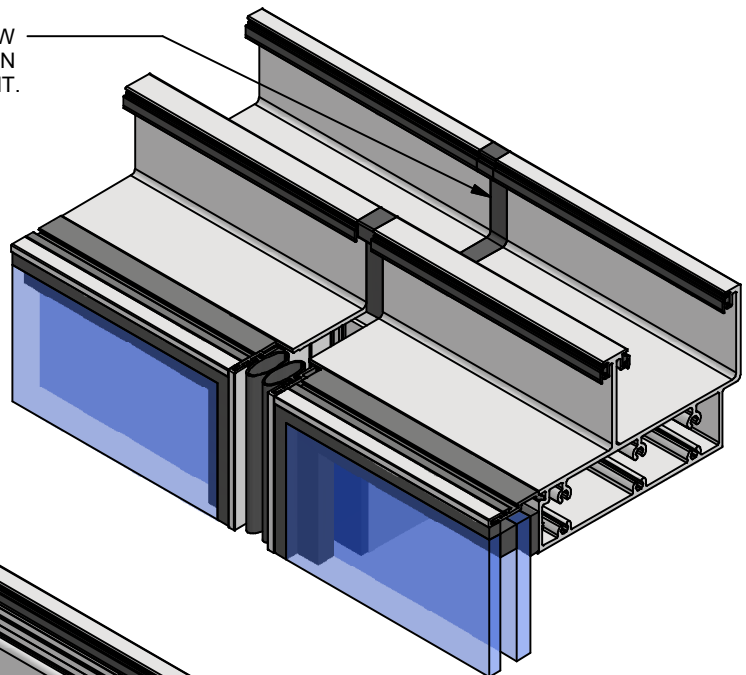


1.

ADJACENT PANELS TO BE INSTALLED AND ENGAGED TO THE NOMINAL 12mm REAR OF SYSTEM EXPANSION GAP.

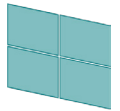
2.

FULLY SEAL ACROSS JOINT WITH LOW MODULUS SILICONE AND TOOL IN AROUND REAR CHAMBER JOINT.



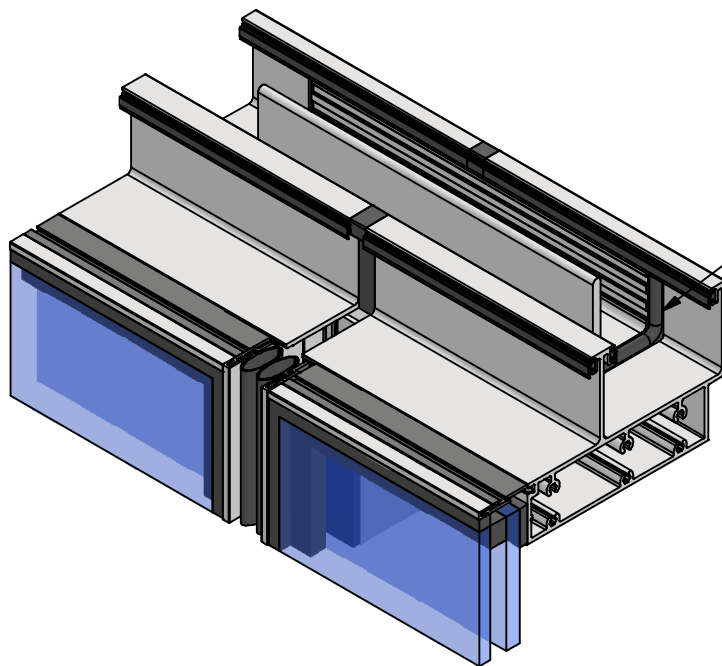
3.

SLIDE UCW150 STRUCTURAL SPLICE ACROSS CENTER OF JOINT.



11. Assembly Details

Panel Splice Sleeve Installation cont.

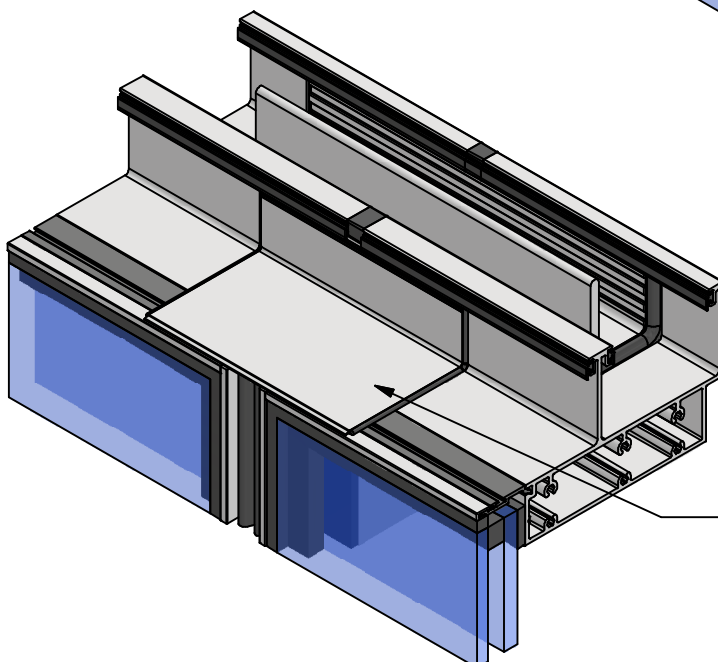
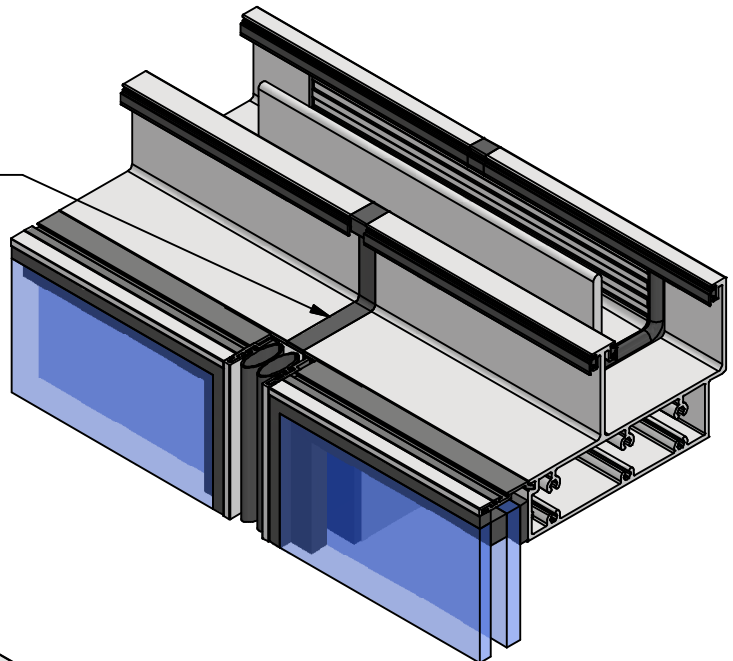


4.

FULLY SEAL AND TOOL IN AROUND ALL SIDES OF SPLICE SLEEVE USING LOW MODULUS SILICONE ENSURING COMPLETE SEAL AROUND SLEEVE.

5.

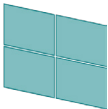
CONTINUE SEAL WITH LOW MODULUS SILICONE AND TOOL IN AROUND EXTERNAL CHAMBER JOINT.



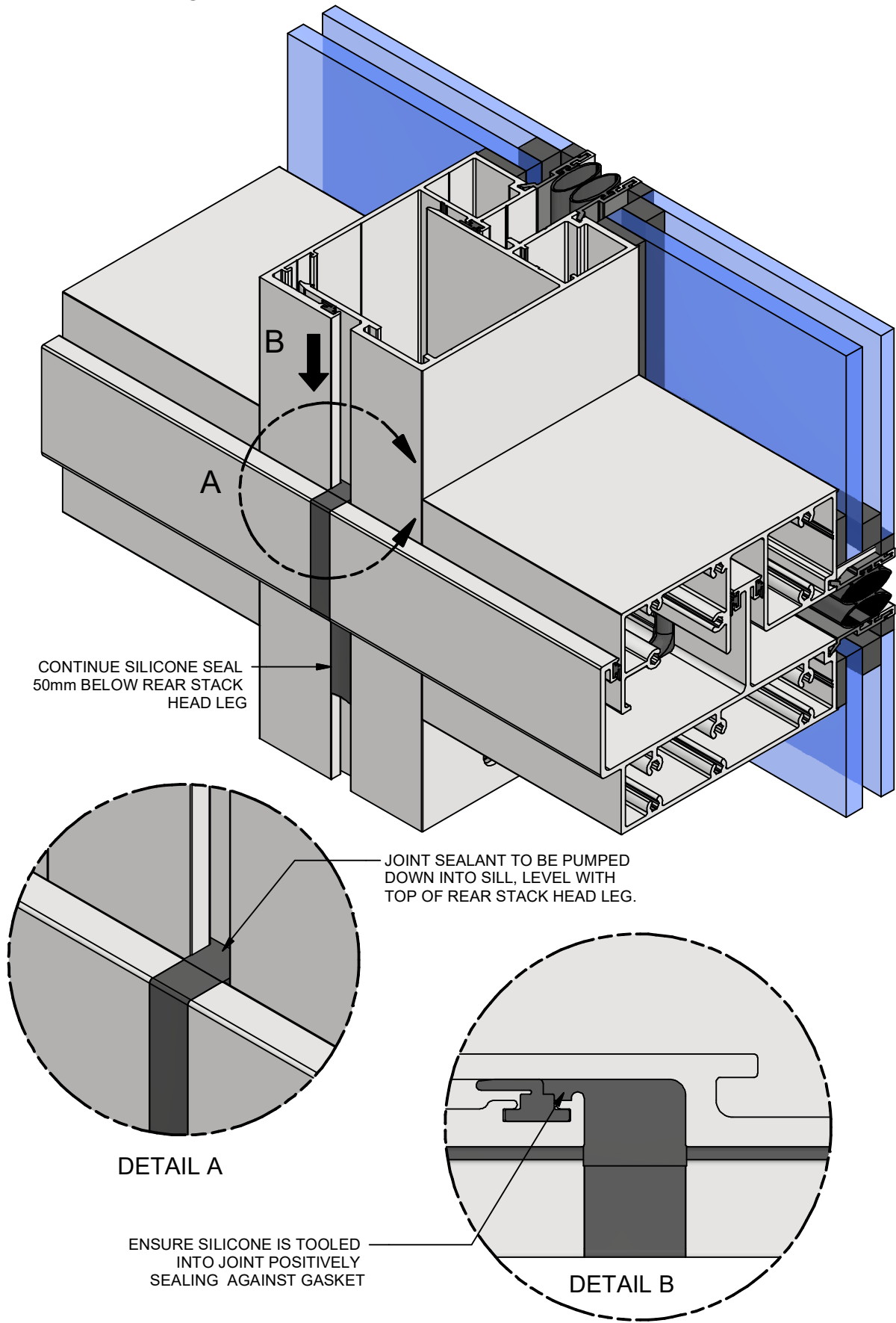
6.

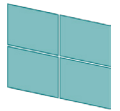
UCW152 PANEL JOINT FLASHING BED IN SEALANT AND TOOLED AROUND ALL SIDES TO SEAL ACROSS PANEL JOINT.

11. Assembly Details



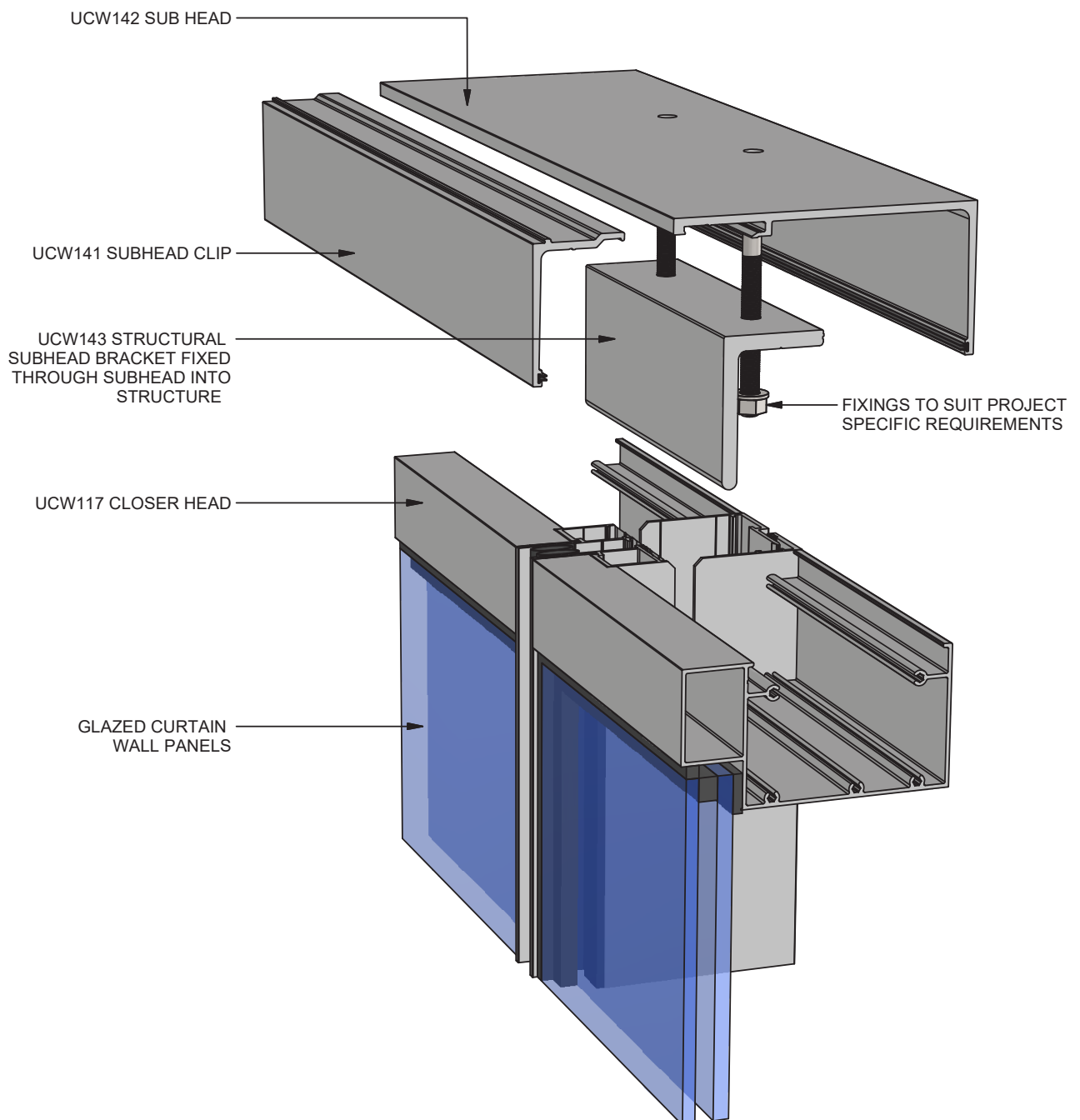
Rear Stack Joint Sealing Detail

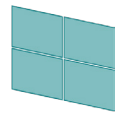




11. Assembly Details

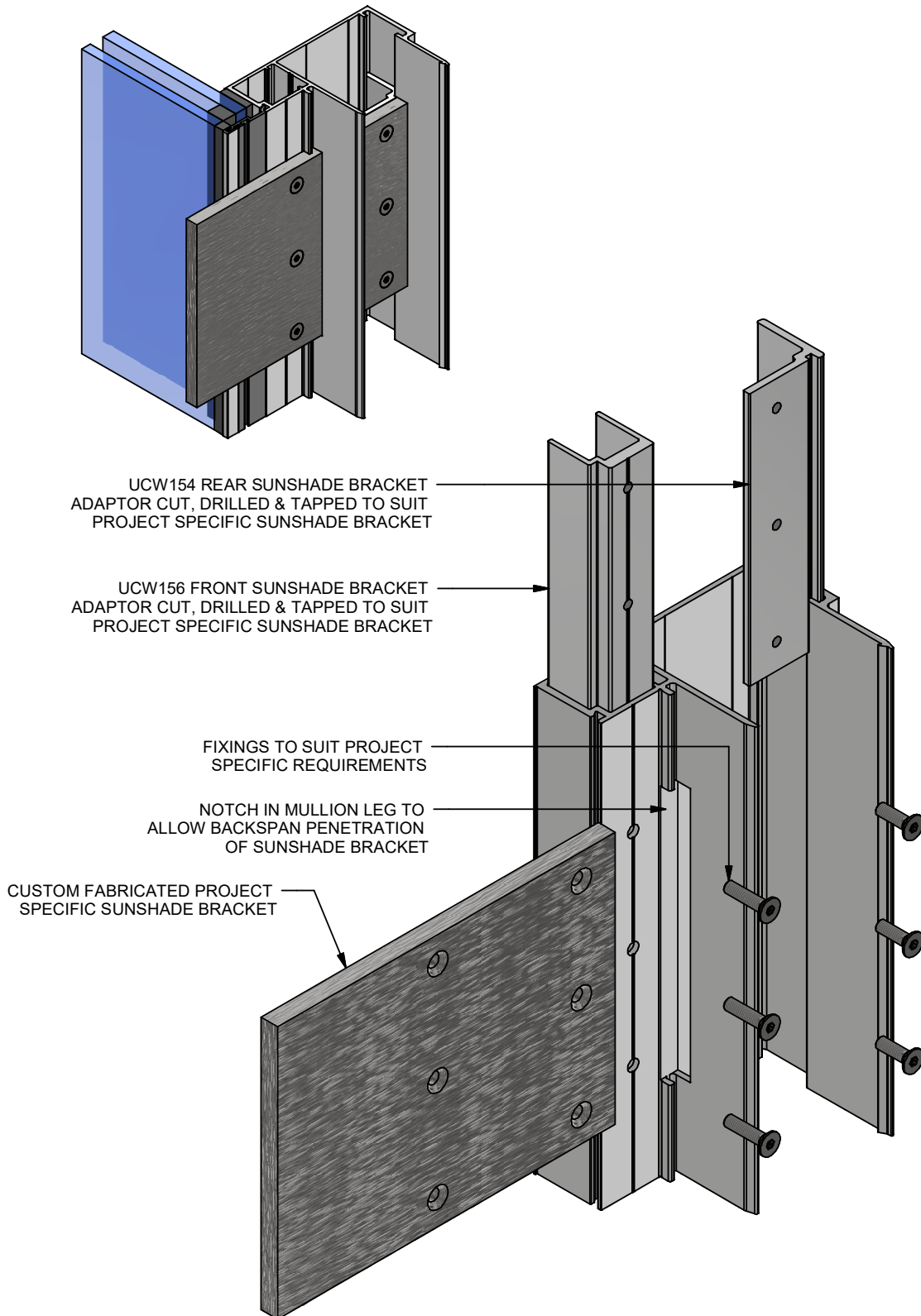
Sub Head Closer Detail

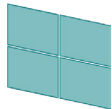




11. Assembly Details

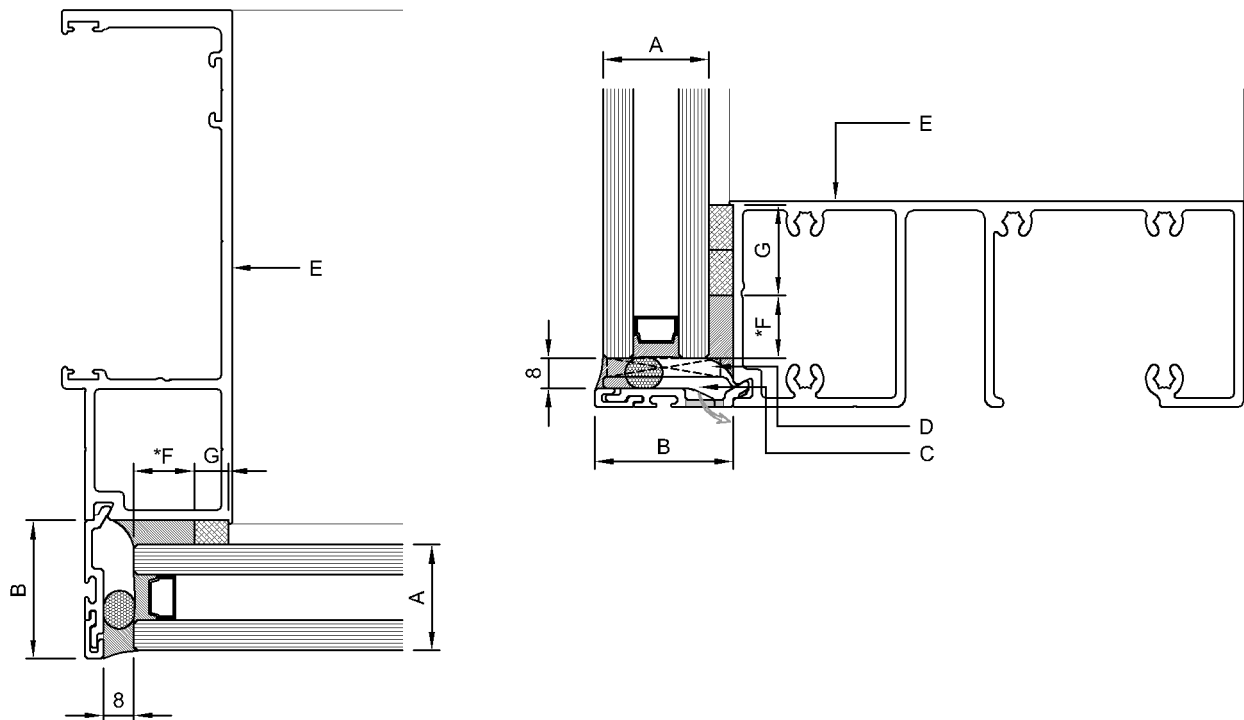
Sunshade Bracket Connection Detail





12. Glazing Details

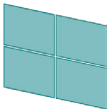
Typical Framing with Polyamide Glazing Bead



GLAZING COMPONENTS - WITH POLYAMIDE GLAZING BEADS			
ITEM A: IGU THICKNESS	ITEM B: POLYAMIDE GLAZING BEAD	ITEM C: GLAZING SEAT	ITEM D: SETTING BLOCK
28mm	PA10	UCW158	5x30mm
30mm	PA10	UCW158	5x30mm
32mm	PA11	UCW159	5x30mm
34mm	PA11	UCW159	5x36mm
36mm	PA12	UCW160	5x36mm
38mm	PA12	UCW160	5x36mm

GLAZING TAPE SELECTION CHART		
ITEM E: FRAME PROFILE	* ITEM F: STRUCTURAL BITE WIDTH	ITEM G: GLAZING TAPE WIDTH
MULLION	13mm	12mm
	16mm	9mm
	19mm	6mm
TRANSOM	13mm	12mm
	16mm	9mm
	19mm	6mm
HEAD	13mm	12mm
	16mm	9mm
	19mm	6mm
SILL	13mm	27 (9+9+9)mm
	16mm	24 (12+12)mm
	19mm	21 (12+9)mm

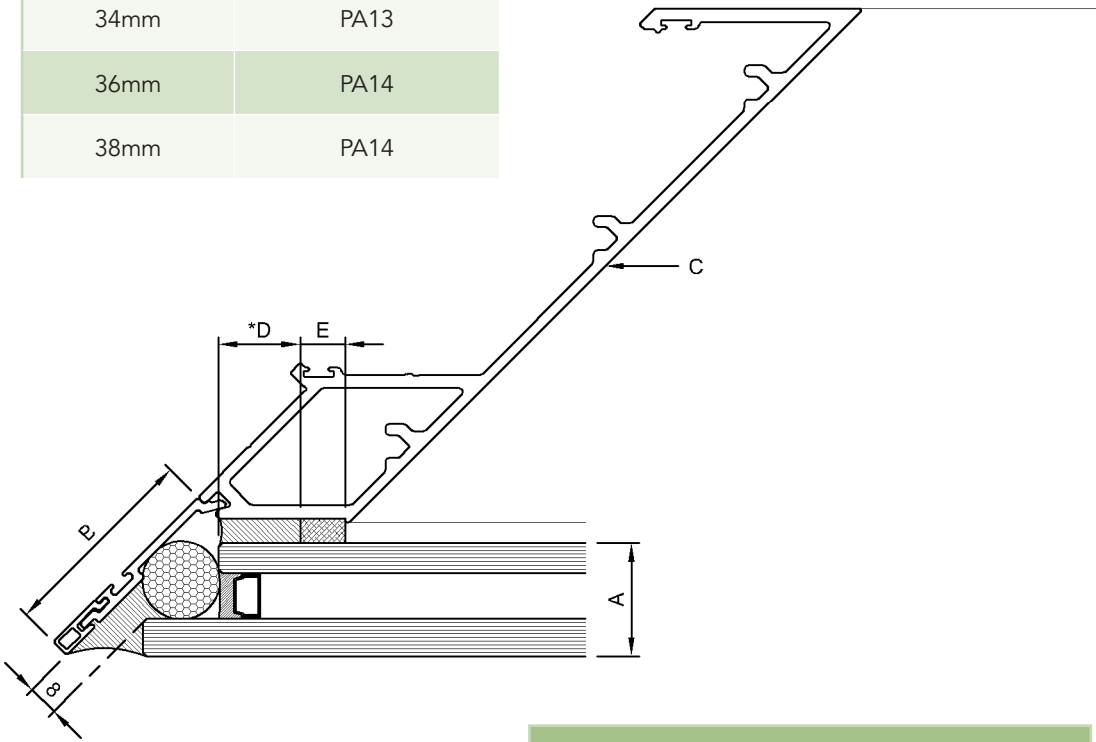
* THE ABOVE GLAZING TAPE SELECTION CHART MUST BE USED IN ACCORDANCE WITH A PROJECT REVIEW CARRIED OUT BY A QUALIFIED STRUCTURAL ENGINEER AND/OR SILICONE SUPPLIERS' PROJECT REVIEW SERVICE. STRUCTURAL SILICONE SELECTION AND STRUCTURAL BITE WIDTH IS SUBJECT TO PROJECT CONDITIONS, WIND LOADS AND PANEL SIZE.



12. Glazing Details

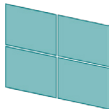
Corner Mullion with Polyamide Glazing Bead

GLAZING COMPONENTS - WITH POLYAMIDE GLAZING BEADS	
ITEM A: IGU THICKNESS	ITEM B: POLYAMIDE GLAZING BEAD
28mm	PA13
30mm	PA13
32mm	PA13
34mm	PA13
36mm	PA14
38mm	PA14



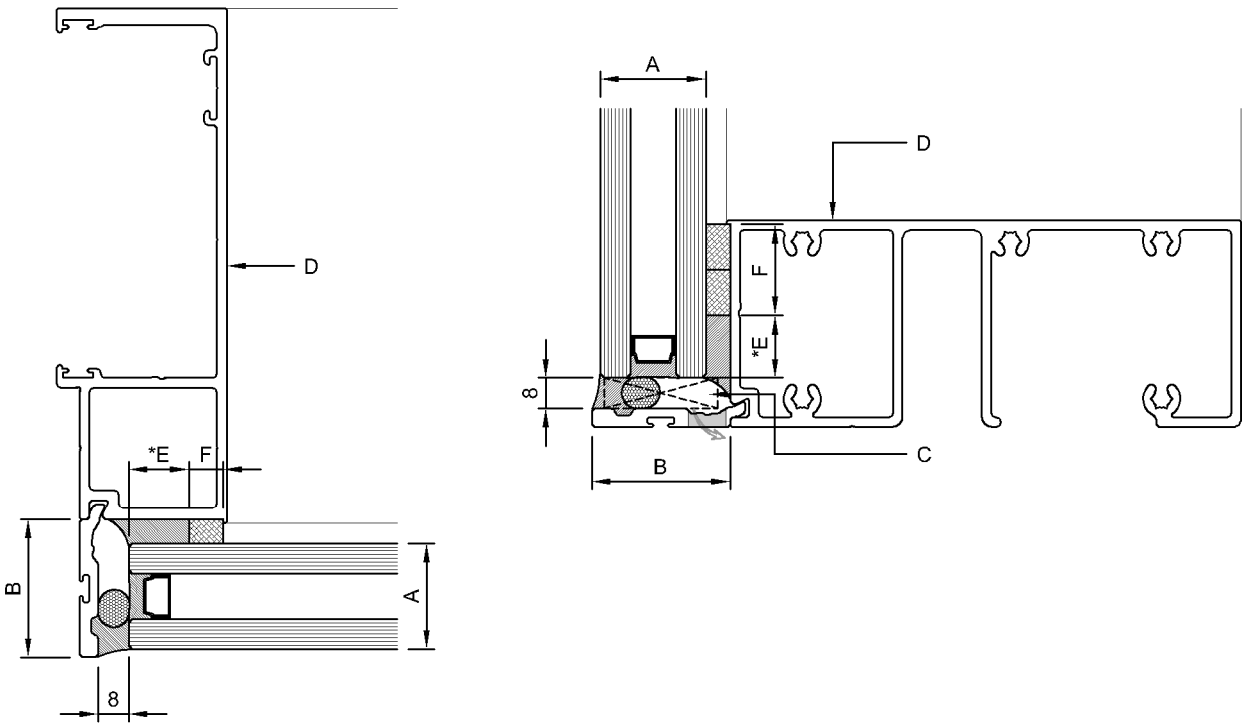
GLAZING TAPE SELECTION CHART		
ITEM C: FRAME PROFILE	* ITEM D: STRUCTURAL BITE WIDTH	ITEM E: GLAZING TAPE WIDTH
90 DEG CORNER MULLION	12mm	21 (12+9)mm
	15mm	18 (9+9)mm
	21mm	12mm

* THE ABOVE GLAZING TAPE SELECTION CHART MUST BE USED IN ACCORDANCE WITH A PROJECT REVIEW CARRIED OUT BY A QUALIFIED STRUCTURAL ENGINEER AND/OR SILICONE SUPPLIERS' PROJECT REVIEW SERVICE. STRUCTURAL SILICONE SELECTION AND STRUCTURAL BITE WIDTH IS SUBJECT TO PROJECT CONDITIONS, WIND LOADS AND PANEL SIZE.



12. Glazing Details

Typical Framing with Aluminium Glazing Bead



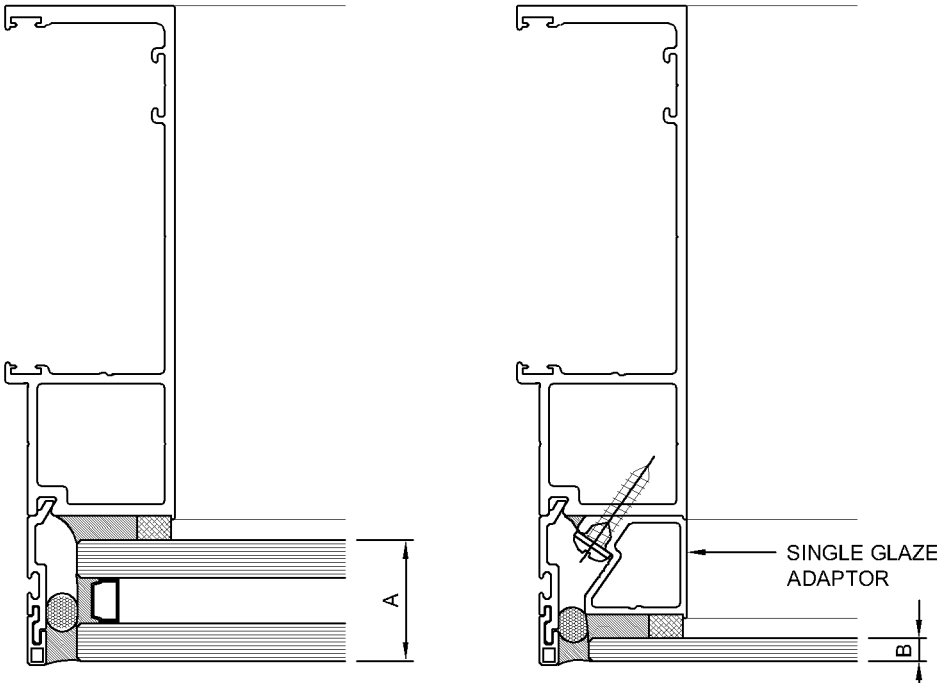
GLAZING COMPONENTS - WITH ALUMINIUM GLAZING BEADS		
ITEM A: IGU THICKNESS	ITEM B: ALUMINIUM GLAZING BEAD	ITEM C: SETTING BLOCK
28mm	UCW164	8x29mm
30mm	UCW164	8x29mm
32mm	UCW165	8x29mm
34mm	UCW165	8x35mm
36mm	UCW166	8x35mm
38mm	UCW166	8x35mm

GLAZING TAPE SELECTION CHART		
ITEM D: FRAME PROFILE	* ITEM E: STRUCTURAL BITE WIDTH	ITEM F: GLAZING TAPE WIDTH
MULLION	13mm	12mm
	16mm	9mm
	19mm	6mm
TRANSOM	13mm	12mm
	16mm	9mm
	19mm	6mm
HEAD	13mm	12mm
	16mm	9mm
	19mm	6mm
SILL	13mm	27 (9+9+9)mm
	16mm	24 (12+12)mm
	19mm	21 (12+9)mm

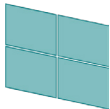
* THE ABOVE GLAZING TAPE SELECTION CHART MUST BE USED IN ACCORDANCE WITH A PROJECT REVIEW CARRIED OUT BY A QUALIFIED STRUCTURAL ENGINEER AND/OR SILICONE SUPPLIERS' PROJECT REVIEW SERVICE. STRUCTURAL SILICONE SELECTION AND STRUCTURAL BITE WIDTH IS SUBJECT TO PROJECT CONDITIONS, WIND LOADS AND PANEL SIZE.

12. Glazing Details

Spandrel Glazing details - Single Glaze Adaptor

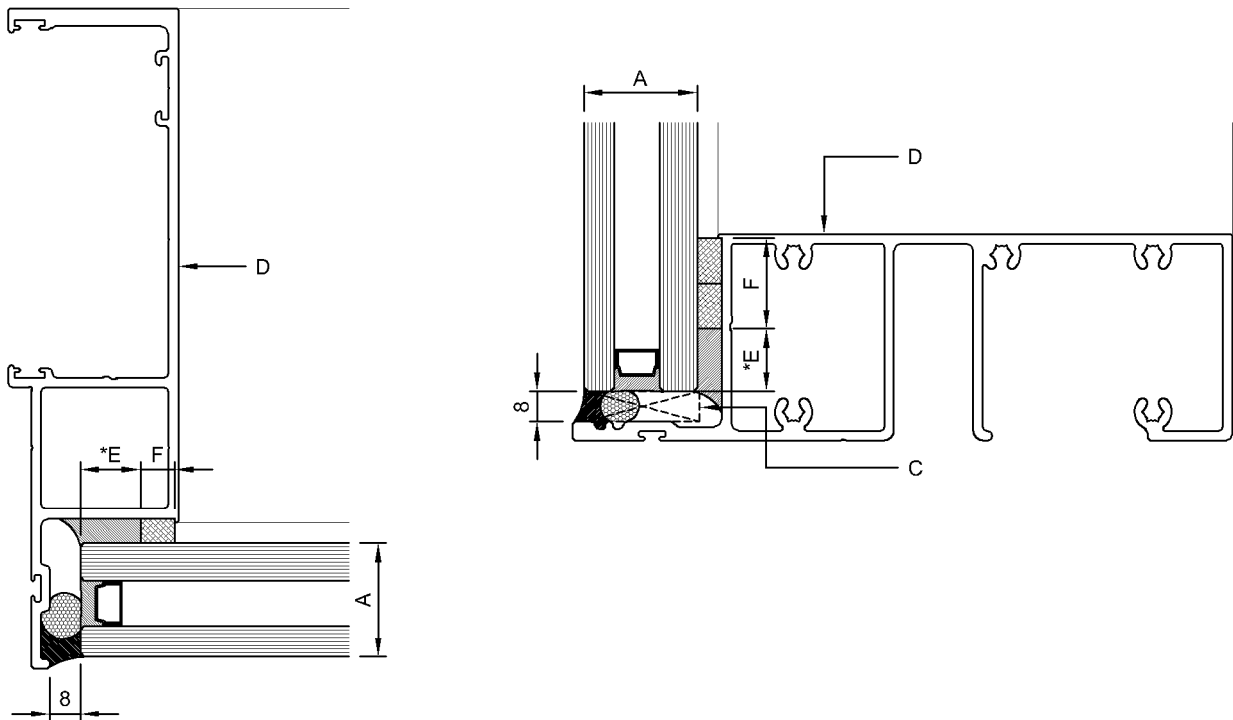


SINGLE GLAZE ADAPTOR SELECTION				
ITEM A: PANEL IGU THICKNESS	ITEM B: SPANDREL GLASS THICKNESS			
	6mm SG	8mm SG	10mm SG	12mm SG
28mm	UCW161	-	-	-
30mm	UCW162	UCW161	-	-
32mm	UCW163	UCW162	UCW161	-
34mm	-	UCW163	UCW162	UCW161
36mm	-	-	UCW163	UCW162
38mm	-	-	-	UCW163



12. Glazing Details

Solid Nose Framing



GLAZING COMPONENTS - WITH SOLID NOSE FRAMING	
ITEM A: IGU THICKNESS	ITEM C: SETTING BLOCK
30mm	8x29mm
32mm	8x29mm
34mm	8x35mm

GLAZING TAPE SELECTION CHART		
ITEM D: FRAME PROFILE	* ITEM E: STRUCTURAL BITE WIDTH	ITEM F: GLAZING TAPE WIDTH
MULLION	13mm	12mm
	16mm	9mm
	19mm	6mm
TRANSOM	13mm	12mm
	16mm	9mm
	19mm	6mm
HEAD	13mm	12mm
	16mm	9mm
	19mm	6mm
SILL	13mm	27 (9+9+9)mm
	16mm	24 (12+12)mm
	19mm	21 (12+9)mm

* THE ABOVE GLAZING TAPE SELECTION CHART MUST BE USED IN ACCORDANCE WITH A PROJECT REVIEW CARRIED OUT BY A QUALIFIED STRUCTURAL ENGINEER AND/OR SILICONE SUPPLIERS' PROJECT REVIEW SERVICE. STRUCTURAL SILICONE SELECTION AND STRUCTURAL BITE WIDTH IS SUBJECT TO PROJECT CONDITIONS, WIND LOADS AND PANEL SIZE.

FRAMING

Your new **FLINDERS CURTAIN WALL** frames have been manufactured using the highest quality materials available to the Architectural industry. Constructed from Architectural grade aluminium, these products are highly corrosion resistant and exceptionally strong. With a moderate amount of maintenance, the **FLINDERS CURTAIN WALL** frame will retain it’s good looks and resist the elements for years to come.

The **FLINDERS CURTAIN WALL** frames are the product of extensive research and development and designed to resist corrosion and rusting, but as with all external elements on the building require some maintenance to keep them looking good and performing well. Depending on how harsh the environment elements are, the maintenance period will vary. Refer to recommended maintenance table below.

Your **FLINDERS CURTAIN WALL** frames should only ever need to be washed down with a soft bristled brush using warm water and mild detergent. Rinse well with fresh water and remove any detergent residue. Strong detergents and abrasive cleaners should never be used to clean the **FLINDERS CURTAIN WALL** frames as they may scratch or damage the surface finish.

MAINTENANCE PERIOD TABLE

ENVIRONMENT	RECOMMENDED MAXIMUM MAINTENANCE INTERVAL
Mild	Six Months
Moderate	Three Months
Tropical/Severe	One Month

Environmental Definitions:

Mild – Being rural, away from the coast and remote from industry and urban activity.

Moderate – Being mainly urban, inland and away from heavy industry.

Tropical – Being coastal/marine, subject to salt deposition and within 15km of the Eastern coast or 10km of the Western coast of Australia.

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