

TECHNICAL MANUAL

76mm COMMERCIAL FRAME CENTRE GLAZED - DOUBLE GLAZED

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SPECIFICATION

FRAME DIMENSIONS

- 76mm x 35mm

MAXIMUM SIZES

- Max mullion height: 2400
- Max mullion centres: 900

Refer wind load charts for sizing and pressures.

GLAZING

- Double Glazed: 18mm - 24mm

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LOAD TABLE - DG311 / DG314 MULLION

SECTION PROPERTIES

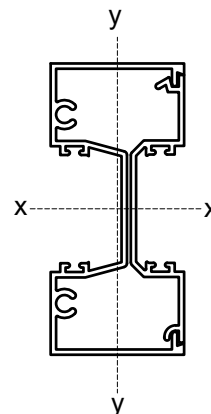
$I_{xx}: 315 \times 10^3 \text{ mm}^4$

Alloy: 6060 T5

Max Stress 110 Mpa

S = Serviceability limit state l/250

U = Ultimate limit state



Mullion Height	Maximum Design Pressure (Pa)							
2700	S	580						
	U	1680						
2600	S	650	490					
	U	1820	1380					
2500	S	730	560	450				
	U	1970	1500	1220				
2400	S	830	630	520	440			
	U	2140	1630	1330	1140			
2300	S	940	720	590	510	460		
	U	2330	1780	1460	1250	1110		
2200	S	1080	830	680	590	530	490	460
	U	2560	1960	1610	1380	1230	1130	1070
2100	S	1250	960	790	690	620	580	550
	U	2810	2160	1780	1530	1370	1270	1210
2000	S	1450	1120	930	810	730	690	660
	U	3000	2390	1970	1710	1540	1440	1380
1900	S	1700	1310	1090	960	880	830	800
	U	3000	2670	2210	1930	1750	1640	1590
1800	S	2000	1560	1300	1150	1060	1010	1000
	U	3000	2990	2490	2190	2000	1900	1860
Mullion Ctrs		600	800	1000	1200	1400	1600	1800

This table is based on theoretical section properties

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LOAD TABLE - DG312 / DG314 TRANSOM

SECTION PROPERTIES

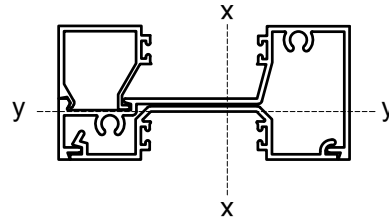
$I_{xx}: 271 \times 10^3 \text{ mm}^4$

Alloy: 6060 T5

Max Stress 110 Mpa

S = Serviceability limit state 1/250

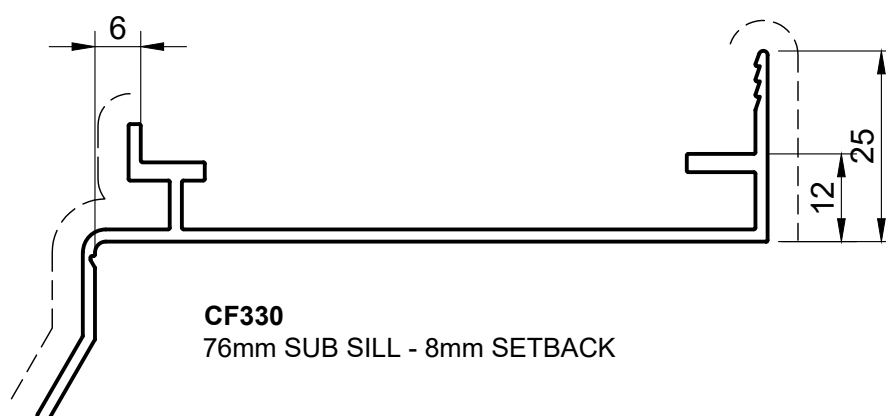
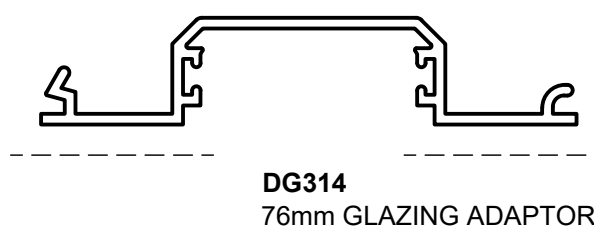
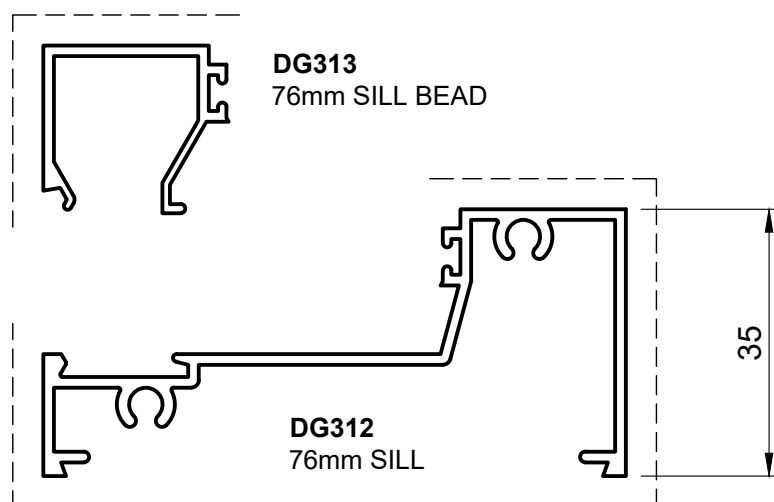
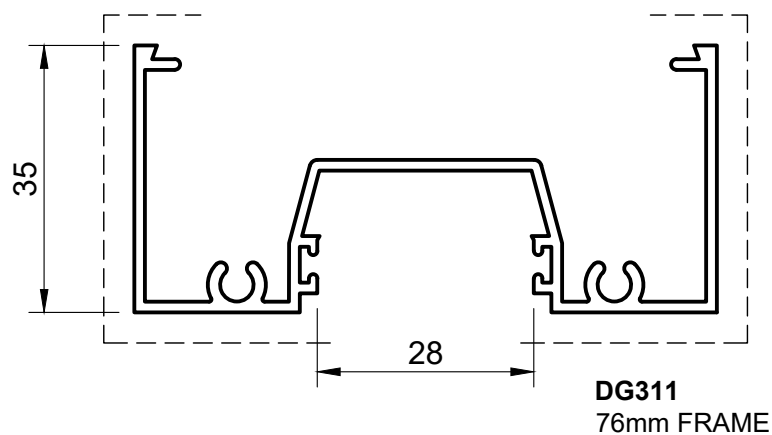
U = Ultimate limit state



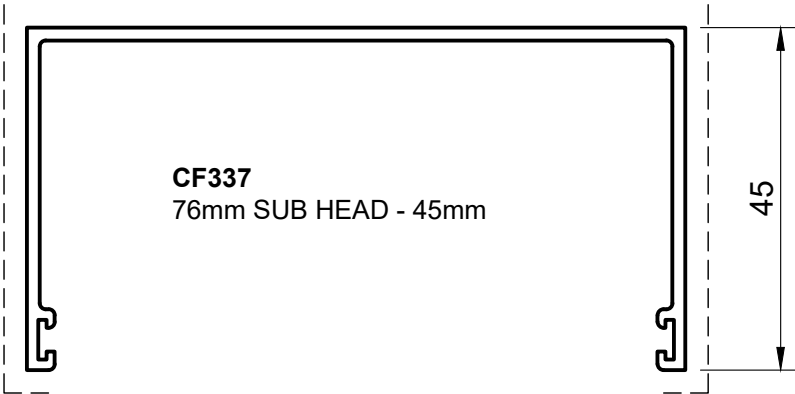
Transom Ctrs	Maximum Design Pressure (Pa)							
1500	S	2000	2000					
	U	3000	3000					
1400	S	2000	2000					
	U	3000	3000					
1300	S	2000	2000					
	U	3000	3000					
1200	S	2000	2000	2000				
	U	3000	3000	3000				
1100	S	2000	2000	2000				
	U	3000	3000	3000				
1000	S	2000	2000	2000	2000			
	U	3000	3000	3000	2900			
900	S	2000	2000	2000	2000			
	U	3000	3000	3000	3000			
800	S	2000	2000	2000	2000			
	U	3000	3000	3000	3000			
700	S	2000	2000	2000	2000	2000		
	U	3000	3000	3000	3000	3000		
600	S	2000	2000	2000	2000	2000	2000	
	U	3000	3000	3000	3000	3000	3000	
Max Weight		69	54	43	35	29	24	20
Transom length		1200	1300	1400	1500	1600	1700	1800

This table is based on theoretical section properties

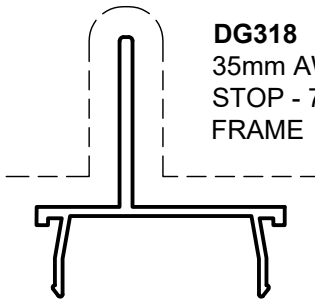
76mm COMMERCIAL FRAME CENTRE GLAZED - DOUBLE GLAZED EXTRUSION PROFILES



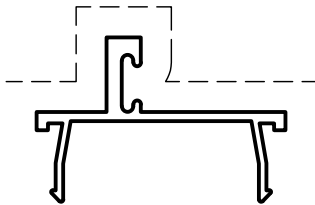
76mm COMMERCIAL FRAME
CENTRE GLAZED - DOUBLE GLAZED
EXTRUSION PROFILES



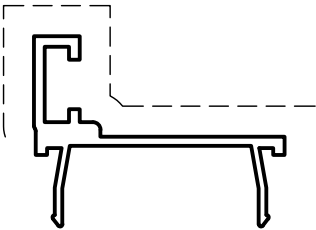
CF337
76mm SUB HEAD - 45mm



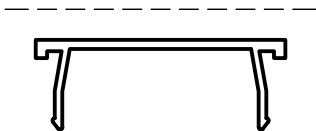
DG318
35mm AWNING
STOP - 76mm
FRAME



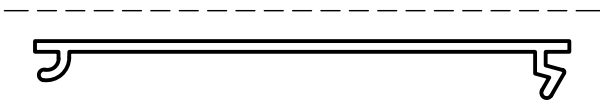
DG316
35mm DOOR STOP - 76mm FRAME



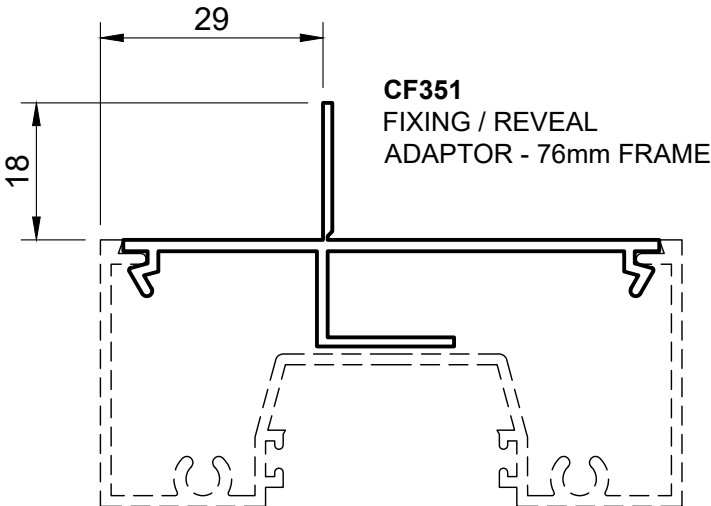
DG317
45mm DOOR STOP - 76mm FRAME



DG315
POCKET FILLER - 76mm FRAME



CF305
FLAT FILLER - 76mm FRAME

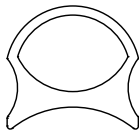


CF351
FIXING / REVEAL
ADAPTOR - 76mm FRAME

76mm COMMERCIAL FRAME
CENTRE GLAZED - DOUBLE GLAZED
ACCESSORIES

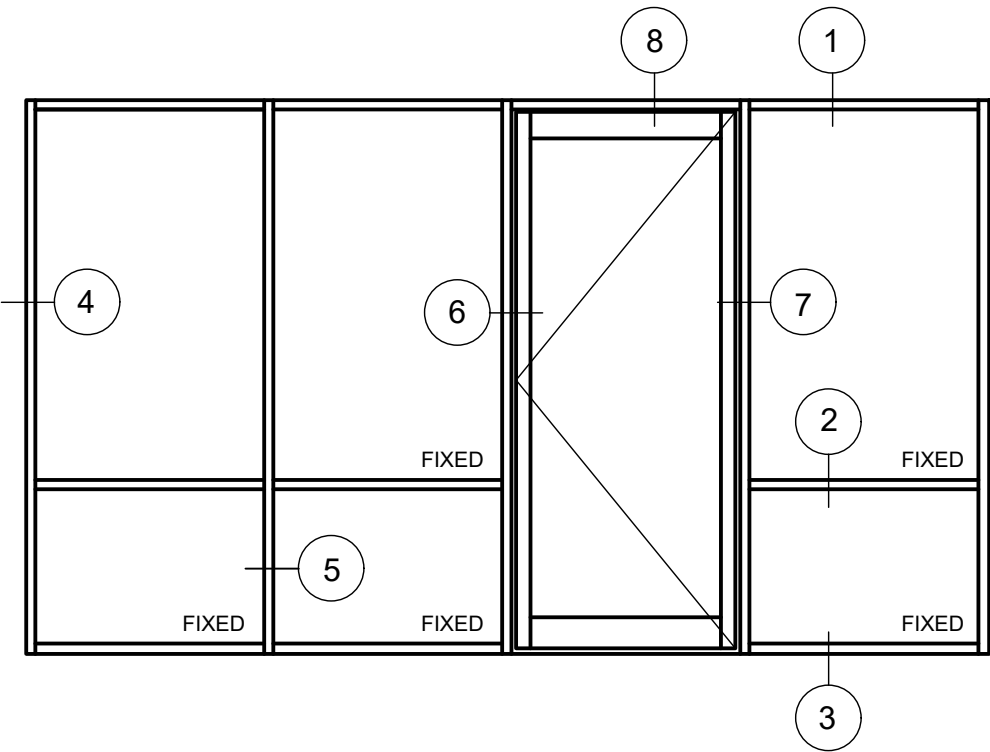


CFH13
SASH SEAL
200m ROLL

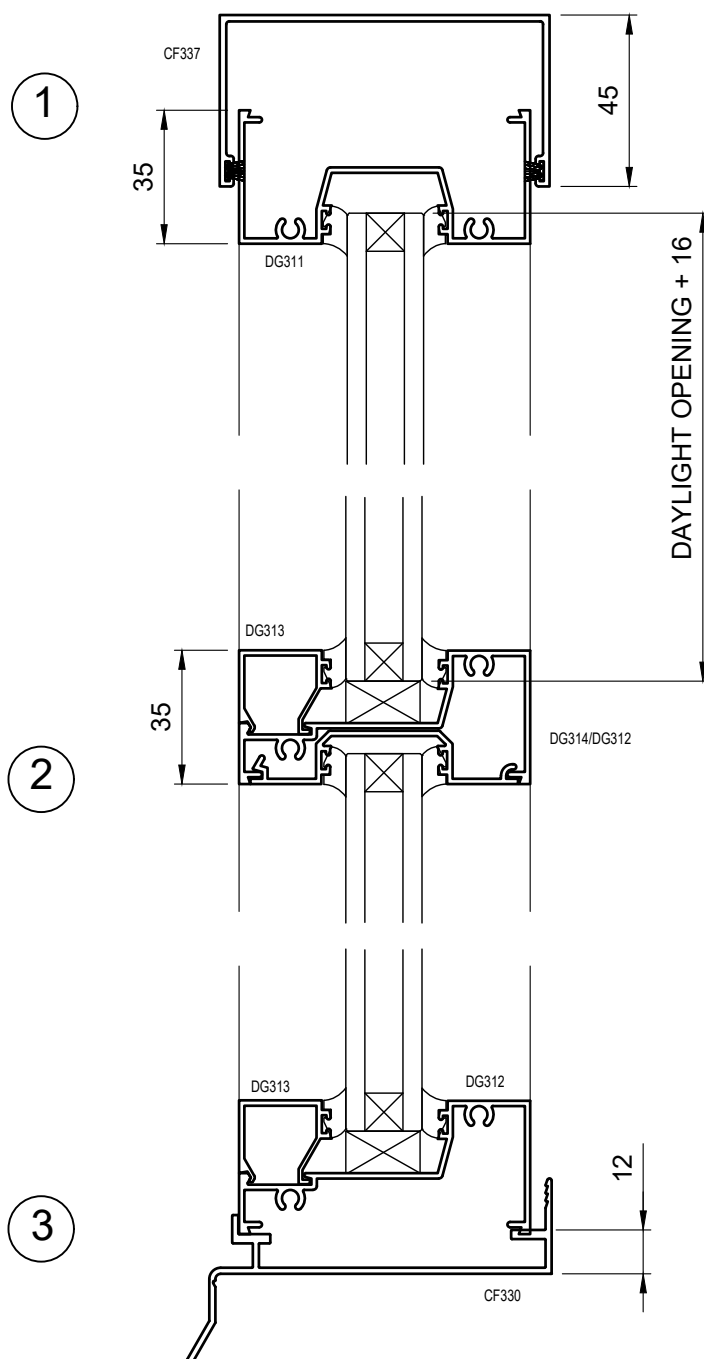


CFH4
DOOR BUFFER
200m ROLL

76mm COMMERCIAL FRAME
CENTRE GLAZED - DOUBLE GLAZED
CONFIGURATIONS



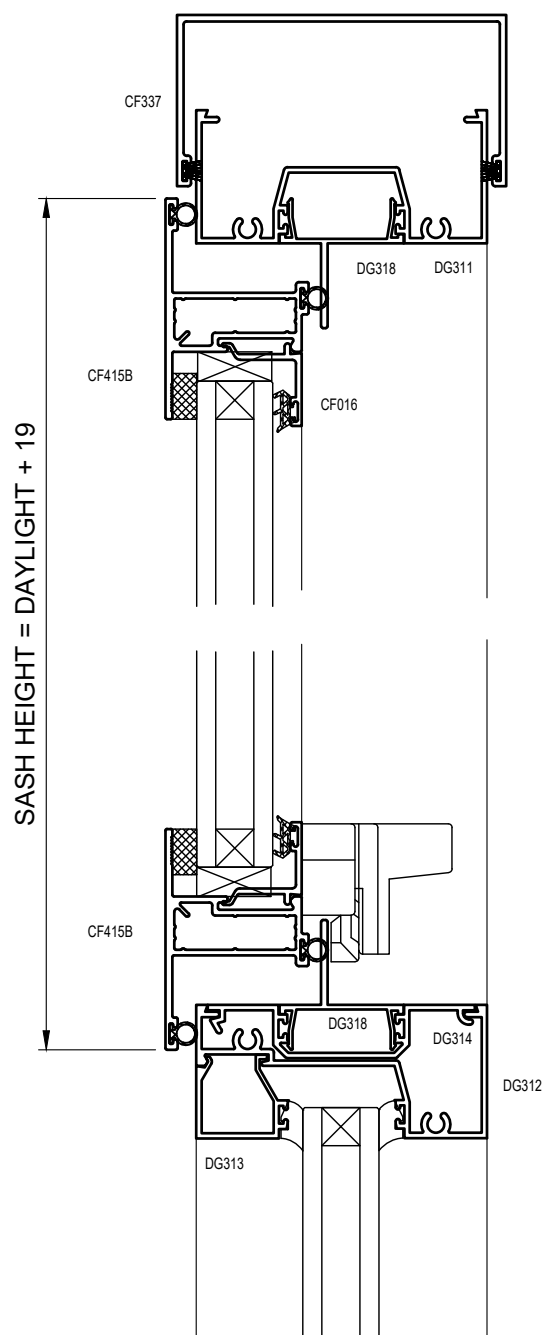
76mm COMMERCIAL FRAME CENTRE GLAZED - DOUBLE GLAZED VERTICAL DETAIL - FIXED LITE



NOTE:

- ALL JOINTS TO BE SEALED USING A SUITABLE SMALL JOINT SEALANT OR CLOSED CELL FRAME GASKET

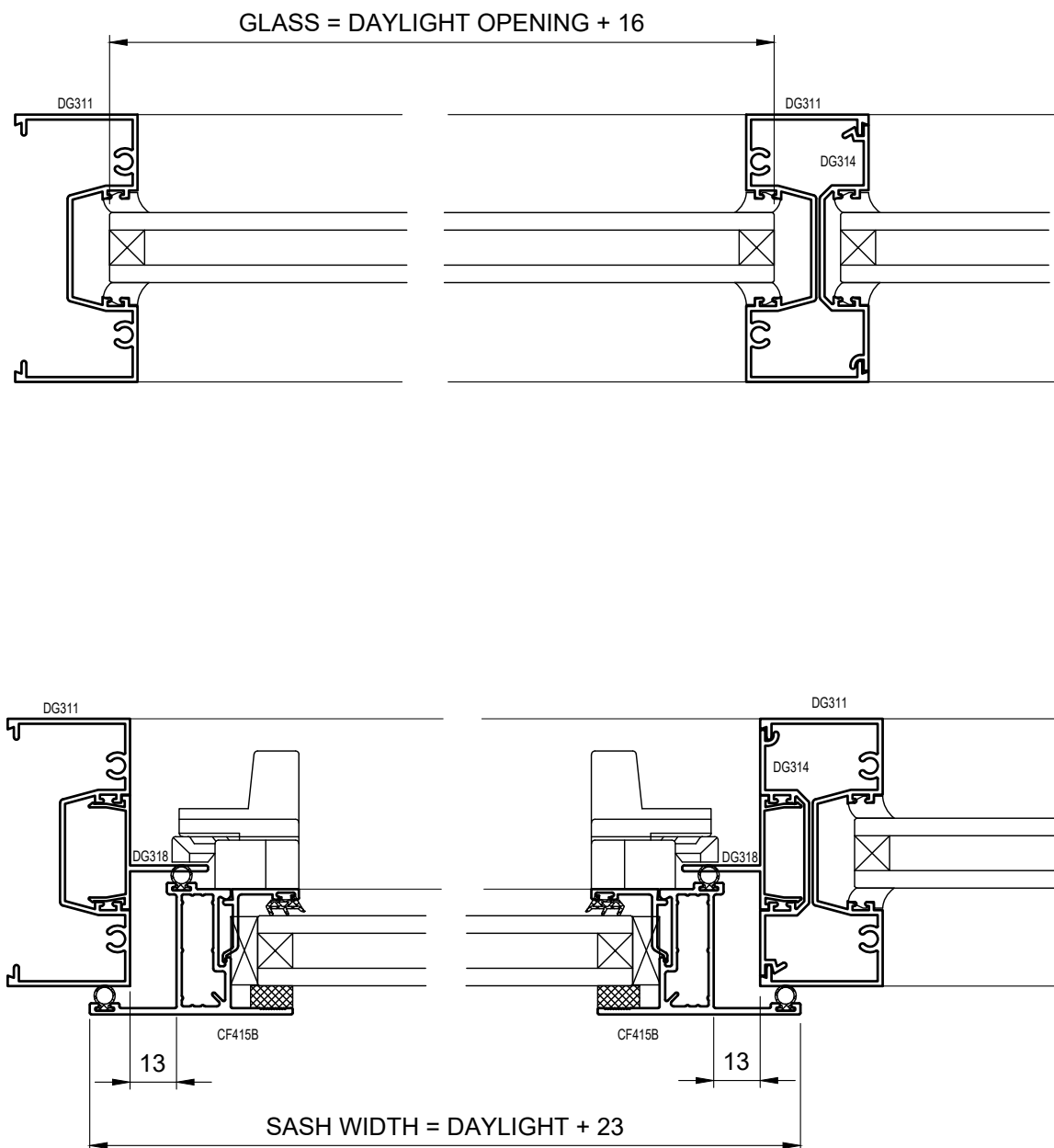
76mm COMMERCIAL FRAME CENTRE GLAZED - DOUBLE GLAZED VERTICAL DETAIL - 35mm AWNING



NOTE:

- ALL JOINTS TO BE SEALED USING A SUITABLE SMALL JOINT SEALANT OR CLOSED CELL FRAME GASKET

76mm COMMERCIAL FRAME CENTRE GLAZED - DOUBLE GLAZED HORIZONTAL DETAILS

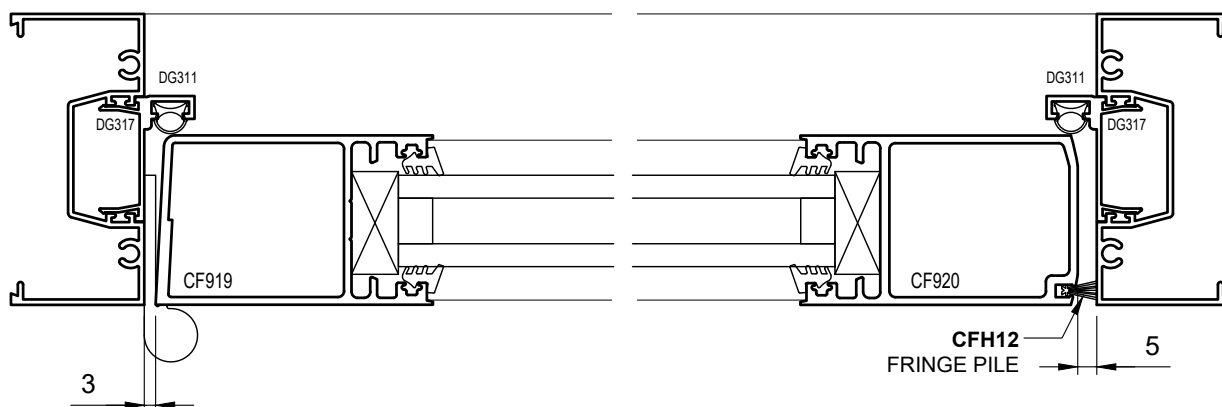
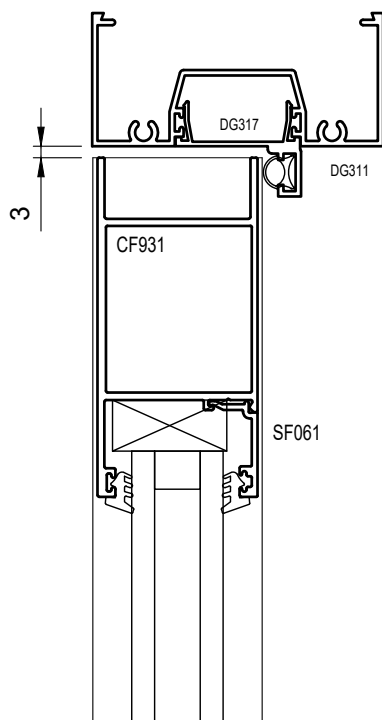


NOTE:

- ALL JOINTS TO BE SEALED USING A SUITABLE SMALL JOINT SEALANT OR CLOSED CELL FRAME GASKET

76mm COMMERCIAL FRAME CENTRE GLAZED - DOUBLE GLAZED

VERTICAL DETAIL - 45mm HINGED DOOR DETAILS

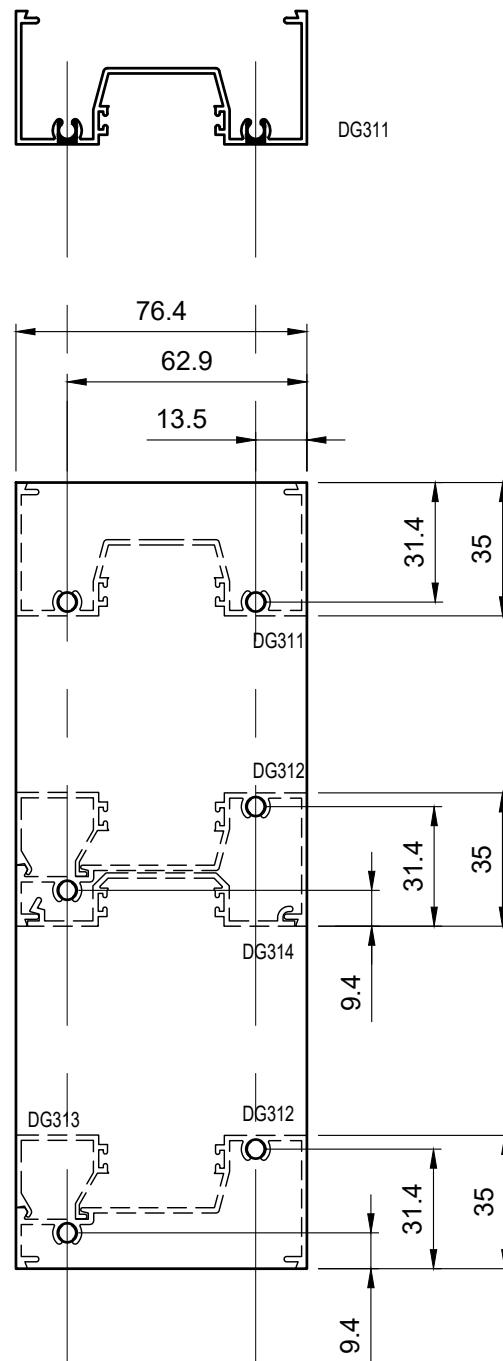


NOTE:

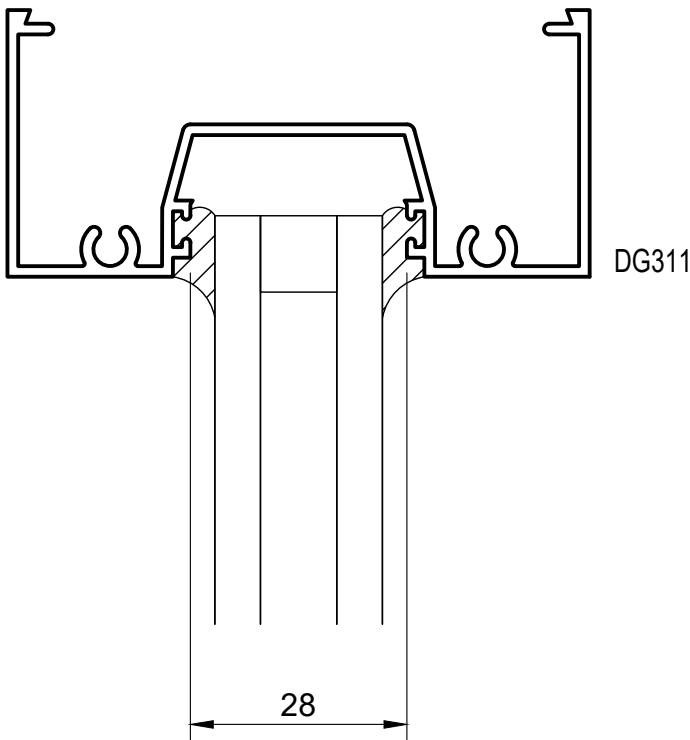
- ALL JOINTS TO BE SEALED USING A SUITABLE SMALL JOINT SEALANT OR CLOSED CELL FRAME GASKET

76mm COMMERCIAL FRAME CENTRE GLAZED - DOUBLE GLAZED

MACHINING - JAMB AND MULLIONS - ASSEMBLY HOLES



76mm COMMERCIAL FRAME
CENTRE GLAZED - DOUBLE GLAZED
GLAZING DETAILS - CAPTIVE

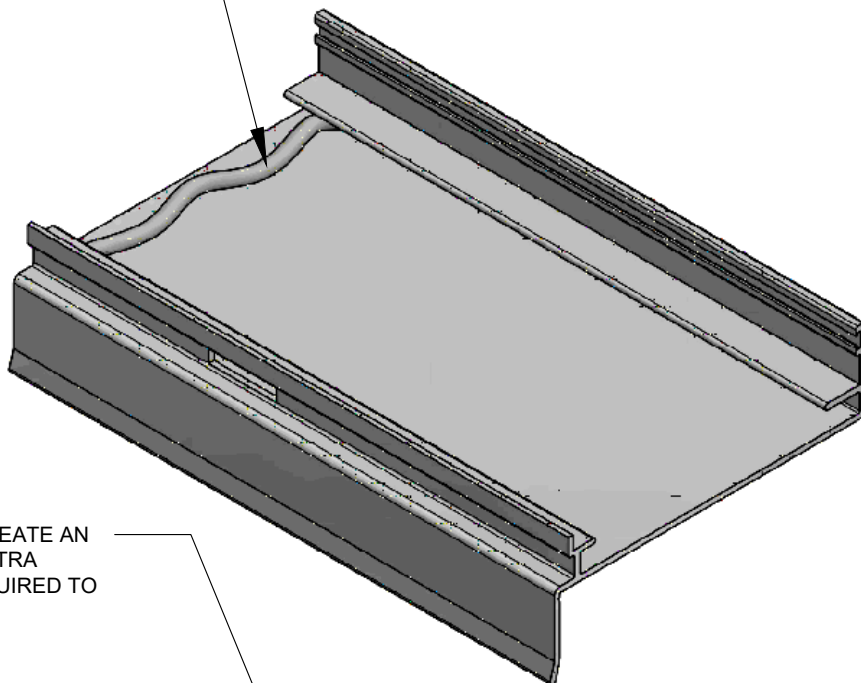


DOUBLE GLAZE	
GLASS THICKNESS	GLAZING
18mm - 24mm	SILICONE

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SUB SILL END DAM SEALING

LAY A BED OF SILICONE ACROSS THE BASE OF THE SUB SILLS, CAREFULLY SEALING INTO THE CORNERS AND UP THE VERTICAL SUB SILL LEGS



INSTALL A 25 x 25mm ANGLE TO CREATE AN END DAM IN THE SUB SILL. ADD EXTRA SILICONE IN THE CORNERS IF REQUIRED TO ENSURE WATER TIGHTNESS

RIVET ANGLE TO SUB SILL TO ENSURE THE SILICONE SEAL IS NOT DISTURBED OR BROKEN

