

## Specification

## Performance

When tested in accordance with BS6375:Part 1:2009 The products listed in this manual, when manufactured installed and glazed strictly to the enclosed details, will meet UK exposure category 2000.

## Opening Lights

Water Tightness	Class 9A (600 Pascals)
Air Permeability	Class 3 (600 Pascals)
Wind Resistance	Class B5 (2000 Pascals)**

## Fixed Lights

Water Tightness	Class 9A (600 Pascals)
Air Permeability	Class 3 (600 Pascals)
Wind Resistance	Class B5 (2000 Pascals)**

\*\* Exposure category varies with Width/Height of window and mullion / transom used, as these are the only unsupported members. An accurate figure can be obtained using BS6399:Part 2 calculations and inertia values given on pages 2-27 & 2-28.

Maximum fixed light area = 5m<sup>2</sup>.

## Size Limitations

## Note

All sizes given are in millimetres, all vent maximum and minimum sizes relate to the overall size of the vent frame and not the outerframe.

Vent frame = "B" size + 13mm (see page 4-1 for an explanation of "B" size)

## Fixed Light

Maximum area 5 sq.m

The sizes listed on this page are used in Sapa Logic, more detailed size/glass weight combinations can be found on the following page.

## Side Hung Casement

Stay Size	8"	12"	16"
Max Width	436	636	736
Max Height	1336	1336	1336
Max Weight	18kg	22kg	24kg
Min Width	236	336	436
Min Height	386	386	386

Egress Stays are limited to a minimum ventframe width of 555mm, to comply with approved document Part B Fire Safety.

## Top Hung Casement

Stay Size	6"	8"	10"	12"	16"	20"	24"
Max Width	1200	1200	1200	1200	1200	1200	1200
Max Height	336	386	436	586	816	1136	1336
Max Weight	10kg	12kg	16kg	20kg	21kg	26kg	40kg
Min Width	386	386	386	386	386	386	386
Min Height	200	236	311	386	536	736	886



## Specification

## Maximum Height x Width Combination Charts

Top Hung Casement - 6" Stay 10kg Max Weight - Min Width 386			
12mm Glazing Thickness		8mm Glazing Thickness	
Height	Width	Height	Width
336	969	336	1200
321	1014	321	1200
306	1064	306	1200
291	1120	291	1200
276	1181	276	1200
261	1200	261	1200
245	1200	245	1200
230	1200	230	1200
215	1200	215	1200
200	1200	200	1200

Top Hung Casement - 8" Stay 12kg Max Weight - Min Width 386			
12mm Glazing Thickness		8mm Glazing Thickness	
Height	Width	Height	Width
386	1012	386	1200
369	1057	369	1200
353	1107	353	1200
336	1162	336	1200
320	1200	320	1200
303	1200	303	1200
286	1200	286	1200
270	1200	270	1200
253	1200	253	1200
236	1200	236	1200

Top Hung Casement - 10" Stay 16kg Max Weight - Min Width 386			
12mm Glazing Thickness		8mm Glazing Thickness	
Height	Width	Height	Width
436	1195	436	1200
422	1200	422	1200
408	1200	408	1200
394	1200	394	1200
380	1200	380	1200
367	1200	367	1200
353	1200	353	1200
339	1200	339	1200
325	1200	325	1200
311	1200	311	1200

Top Hung Casement - 12" Stay 20kg Max Weight - Min Width 386			
12mm Glazing Thickness		8mm Glazing Thickness	
Height	Width	Height	Width
586	1111	586	1200
564	1155	564	1200
542	1200	542	1200
519	1200	519	1200
497	1200	497	1200
475	1200	475	1200
453	1200	453	1200
430	1200	430	1200
408	1200	408	1200
386	1200	386	1200

Top Hung Casement - 16" Stay 21kg Max Weight - Min Width 386			
12mm Glazing Thickness		8mm Glazing Thickness	
Height	Width	Height	Width
816	838	816	1200
785	871	785	1200
754	907	754	1200
723	946	723	1200
692	988	692	1200
660	1035	660	1200
629	1086	629	1200
598	1143	598	1200
567	1200	567	1200
536	1200	536	1200

Top Hung Casement - 20" Stay 26kg Max Weight - Min Width 386			
12mm Glazing Thickness		8mm Glazing Thickness	
Height	Width	Height	Width
1136	745	1136	1118
1092	775	1092	1163
1047	808	1047	1200
1003	844	1003	1200
958	883	958	1200
914	926	914	1200
869	974	869	1200
825	1026	825	1200
780	1084	780	1200
736	1150	736	1200

Top Hung Casement - 24" Stay 40kg Max Weight - Min Width 386			
12mm Glazing Thickness		8mm Glazing Thickness	
Height	Width	Height	Width
1336	975	1336	1200
1286	1013	1286	1200
1236	1053	1236	1200
1186	1098	1186	1200
1136	1146	1136	1200
1086	1199	1086	1200
1036	1200	1036	1200
986	1200	986	1200
936	1200	936	1200
886	1200	886	1200

Side Hung Casement - 8" Stay 18kg Max Weight - Min Height 386			
12mm Glazing Thickness		8mm Glazing Thickness	
Height	Width	Height	Width
1336	436	1336	436
1336	414	1336	414
1336	392	1336	392
1336	369	1336	369
1336	347	1336	347
1336	325	1336	325
1336	303	1336	303
1336	281	1336	281
1336	258	1336	258
1336	236	1336	236

Side Hung Casement - 12" Stay 22kg Max Weight - Min Height 386			
12mm Glazing Thickness		8mm Glazing Thickness	
Height	Width	Height	Width
1126	636	1336	636
1188	603	1336	603
1258	569	1336	569
1336	536	1336	536
1336	503	1336	503
1336	469	1336	469
1336	436	1336	436
1336	403	1336	403
1336	369	1336	369
1336	336	1336	336

Side Hung Casement - 16" Stay 24kg Max Weight - Min Height 386			
12mm Glazing Thickness		8mm Glazing Thickness	
Height	Width	Height	Width
1061	736	1336	736
1112	703	1336	703
1167	669	1336	669
1228	636	1336	636
1296	603	1336	603
1336	569	1336	569
1336	536	1336	536
1336	503	1336	503
1336	469	1336	469
1336	436	1336	436

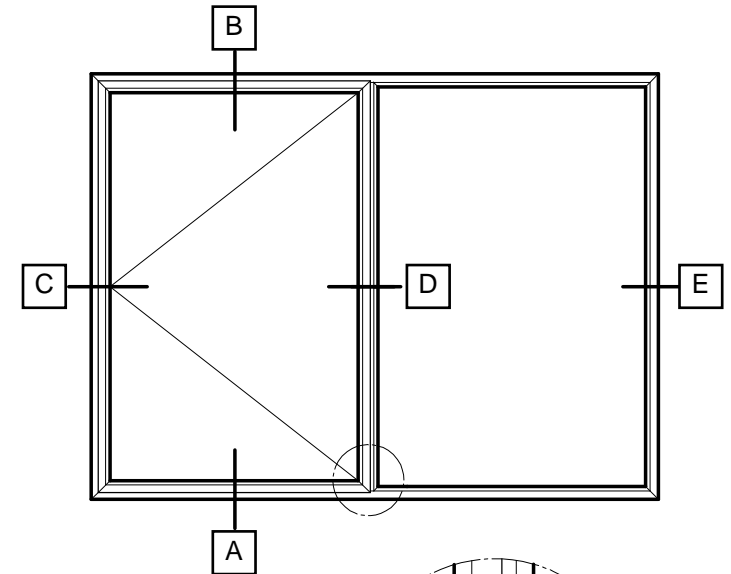
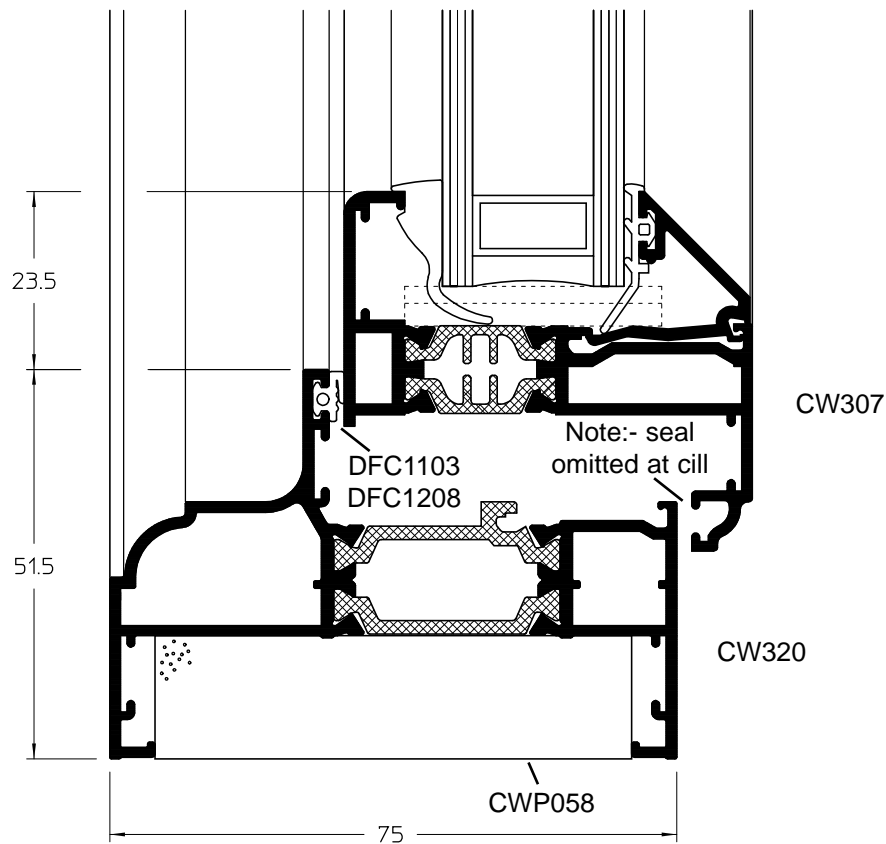


THIS PAGE INTENTIONALLY LEFT BLANK

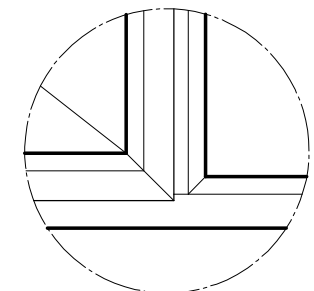
## General Arrangements

**A** Cill

Standard softline outerframe & softline ventframe.



Typical casement window showing general arrangement reference codes.



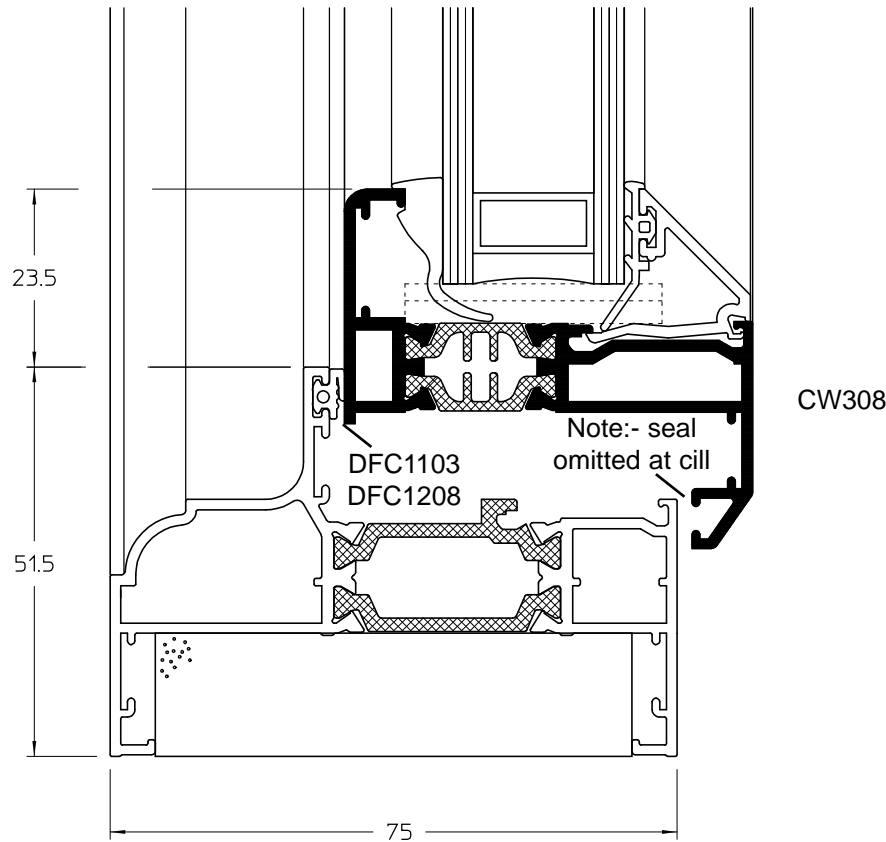
Mullion joint view

## General Arrangements

A

 Cill

Chamfered ventframe.

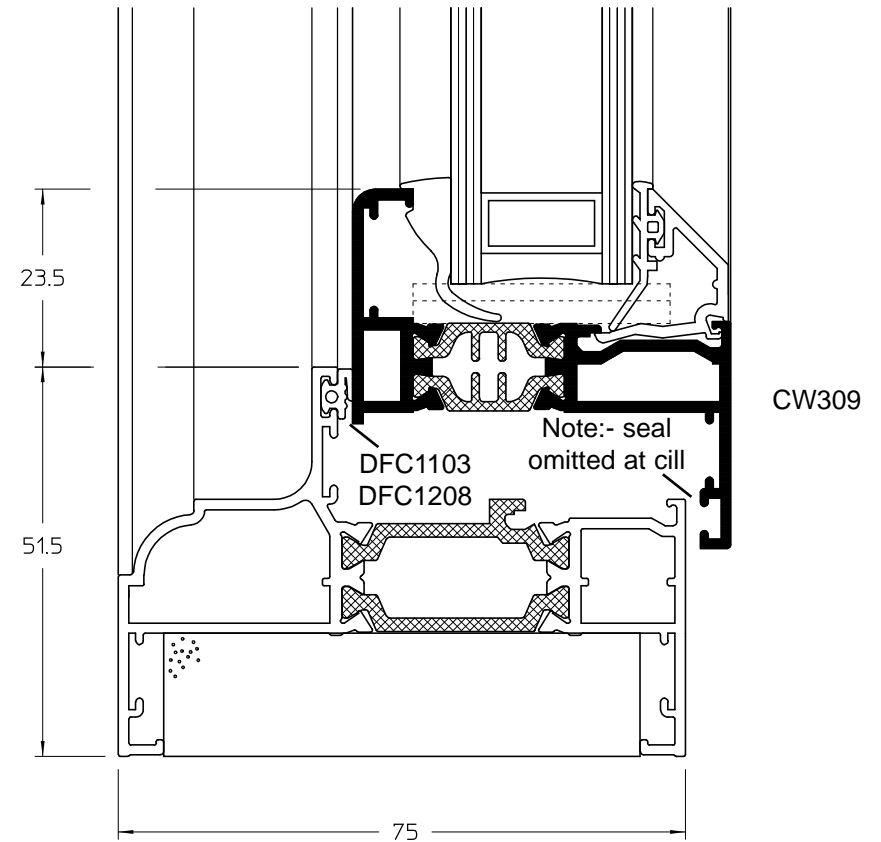


A

 Cill

Flat ventframe.

*Note Flat/Saracen vent glazing beads are not compatible with any other profile.*



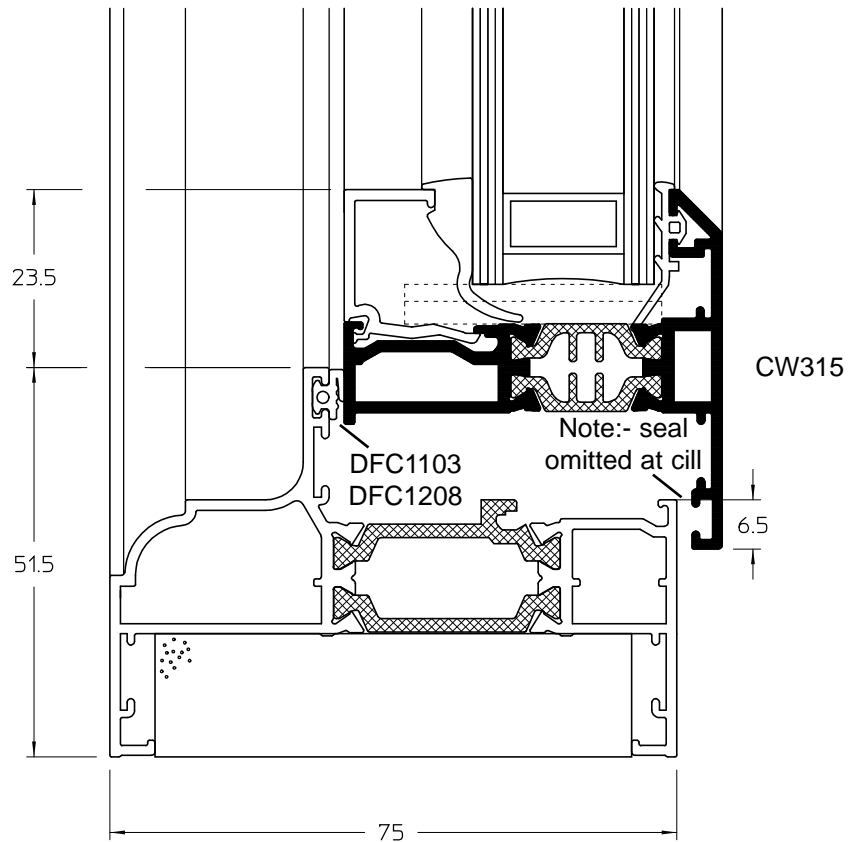


## General Arrangements

A Cill

Glaze in ventframe.

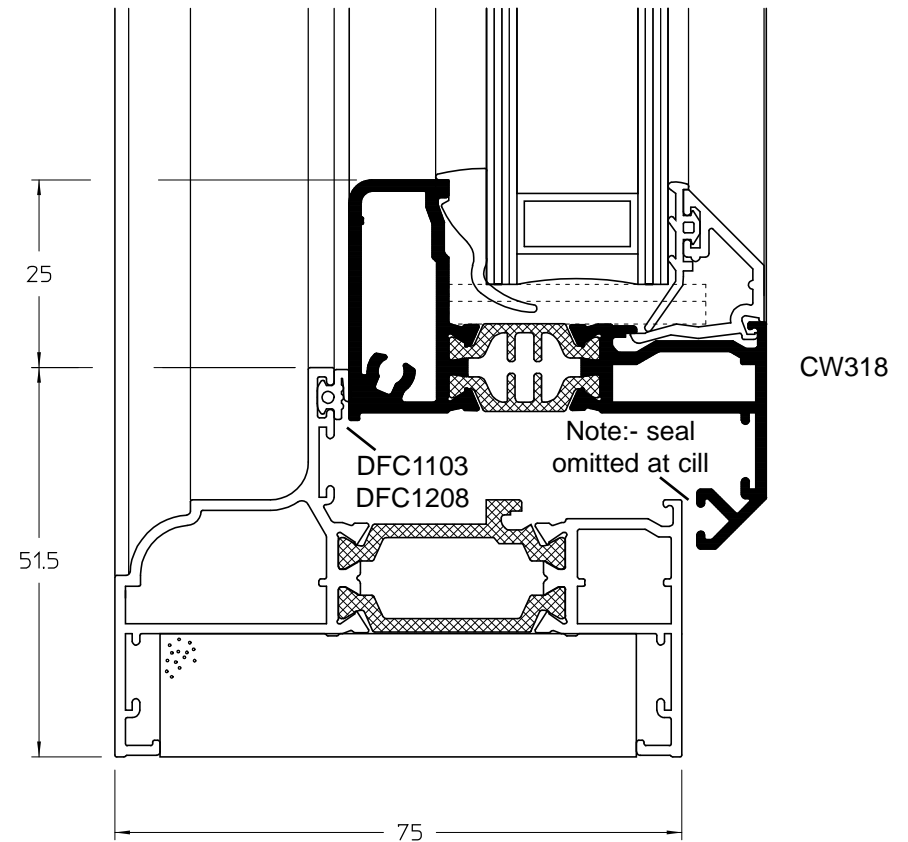
*Note glaze in vent glazing beads are not compatible with any other profile.*



A Cill

Saracen Ventframe.

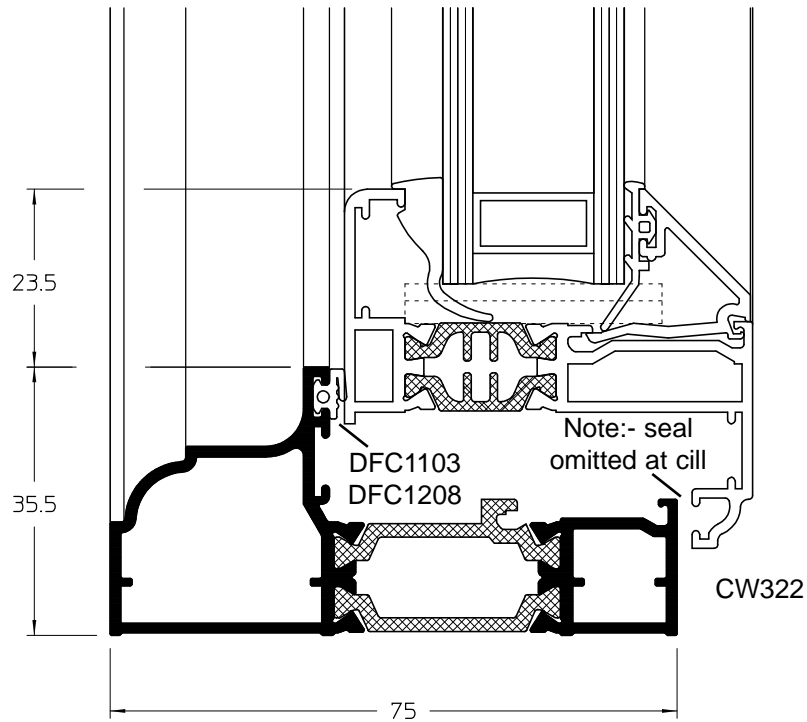
*Note Flat/Saracen vent glazing beads are not compatible with any other profile.*



## General Arrangements

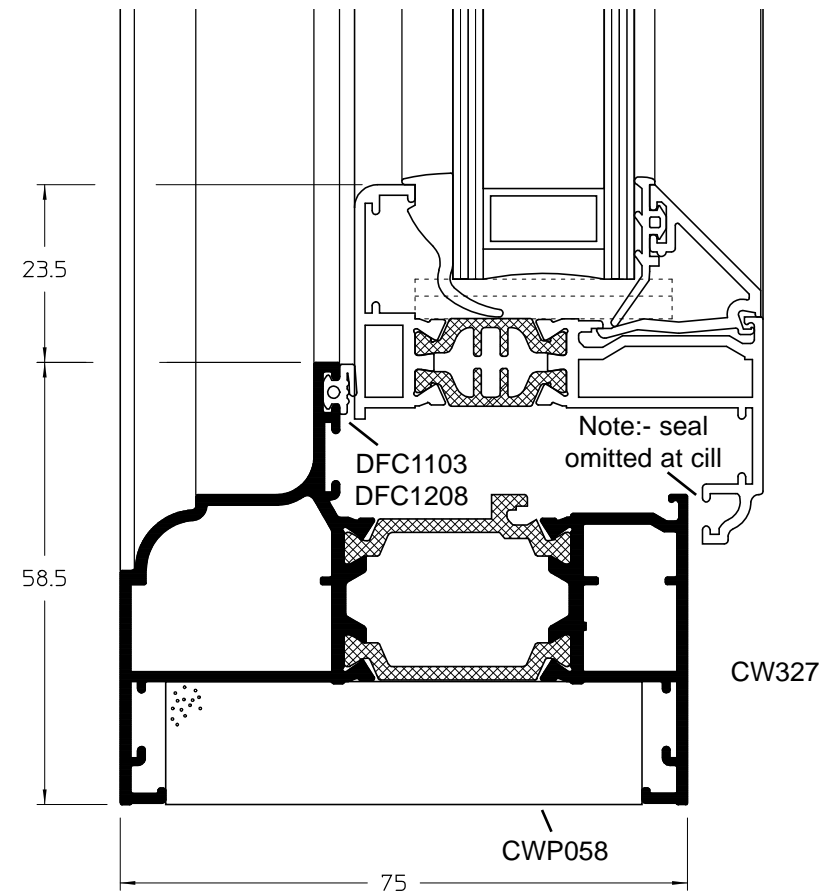
**A** Cill

Slim softline outerframe.



**A** Cill

Extended softline outerframe.

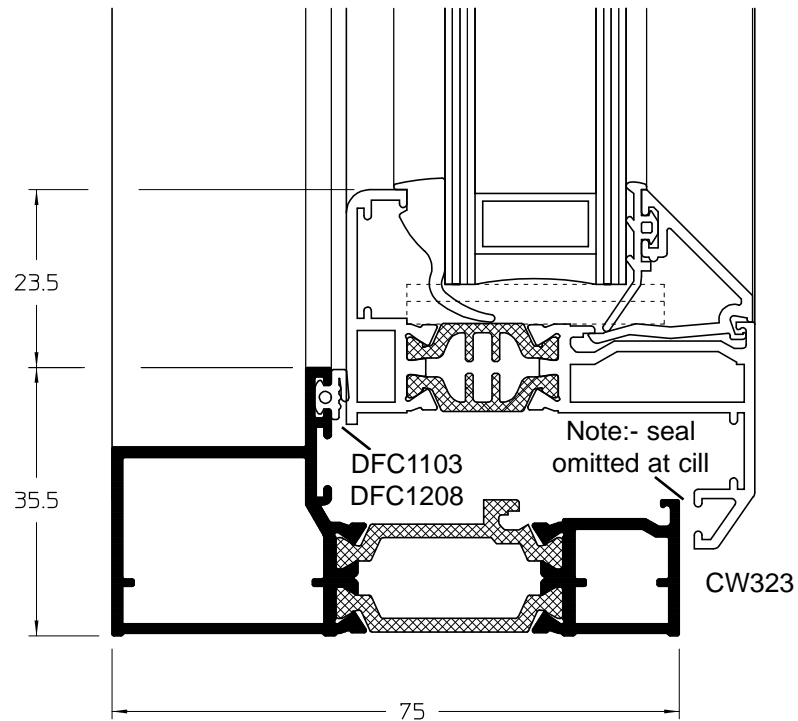




## General Arrangements

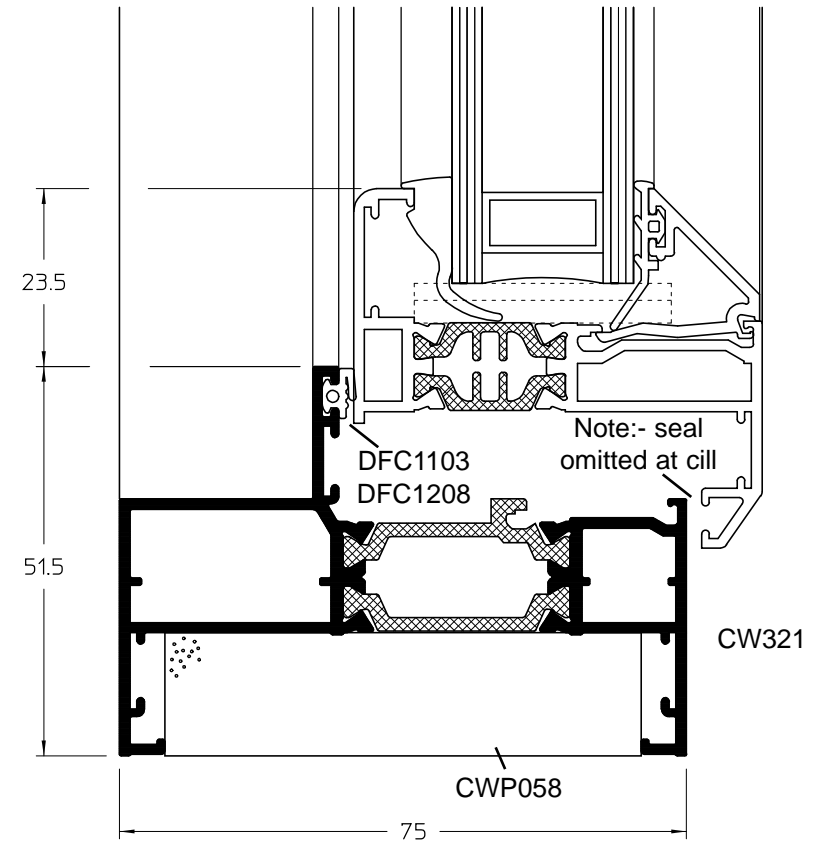
**A** Cill

Slim square outerframe.



**A** Cill

Standard square outerframe.



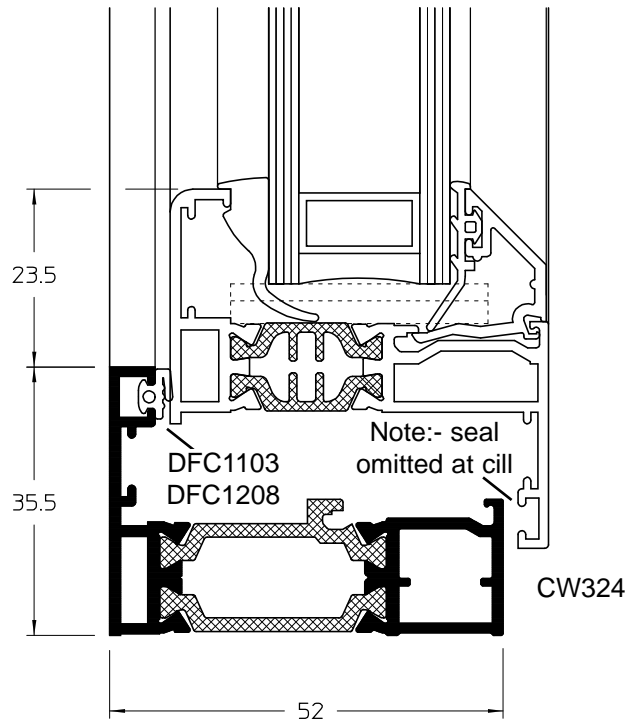


## General Arrangements

**A** Cill

52mm outerframe.

*All 52mm Frames can be corner jointed with each other*

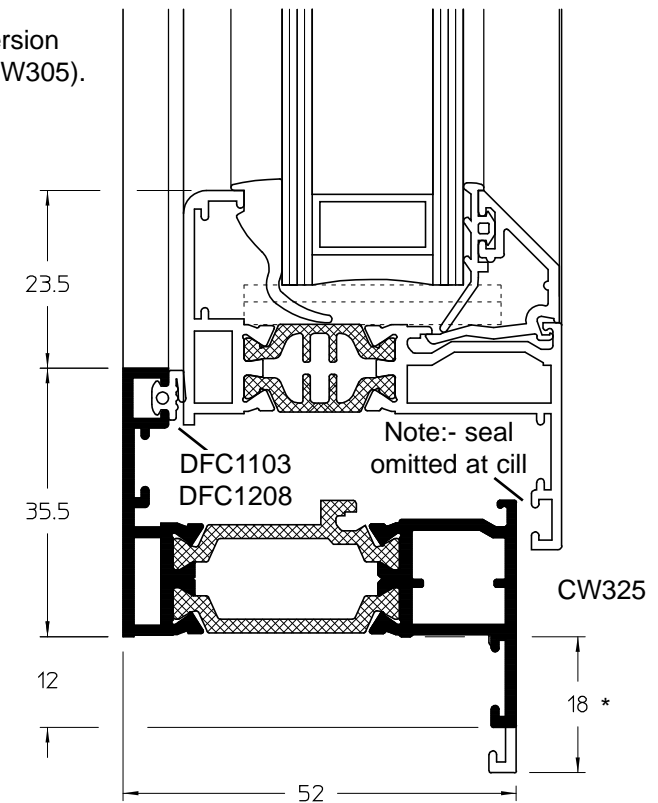


**A** Cill

52mm outerframe (12mm & 18mm) unequal leg.

*All 52mm Frames can be corner jointed with each other*

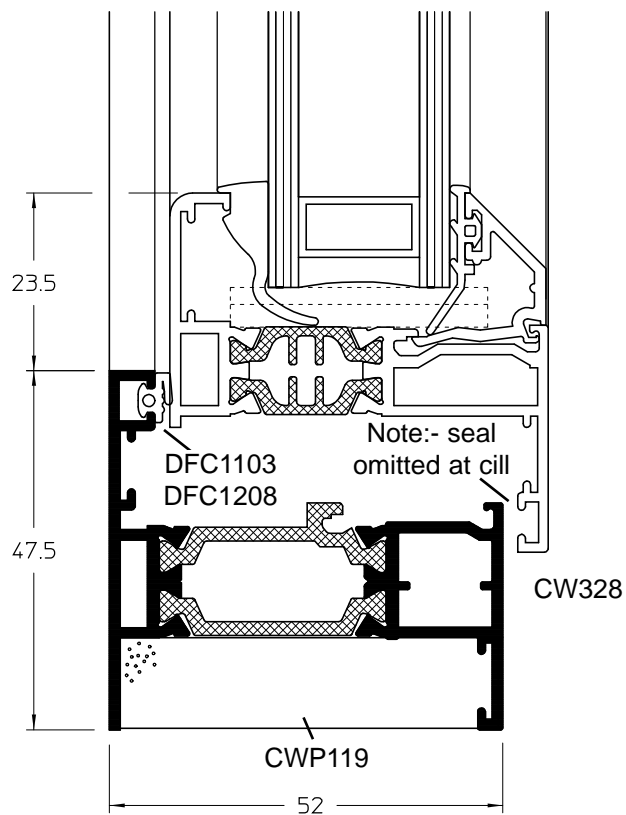
\* 18mm leg version  
also available (CW305).



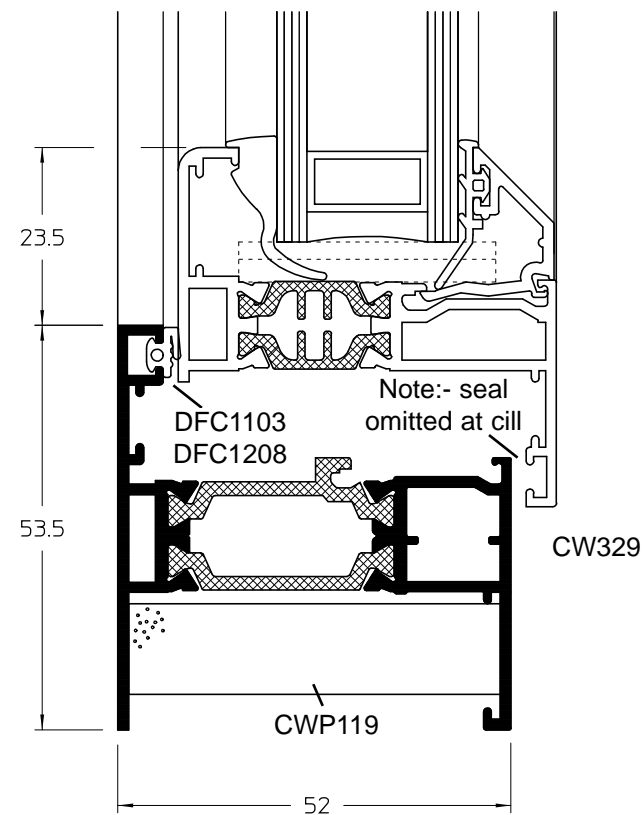
## General Arrangements



52mm outerframe 12mm equal leg.  
*All 52mm Frames can be corner jointed with each other*

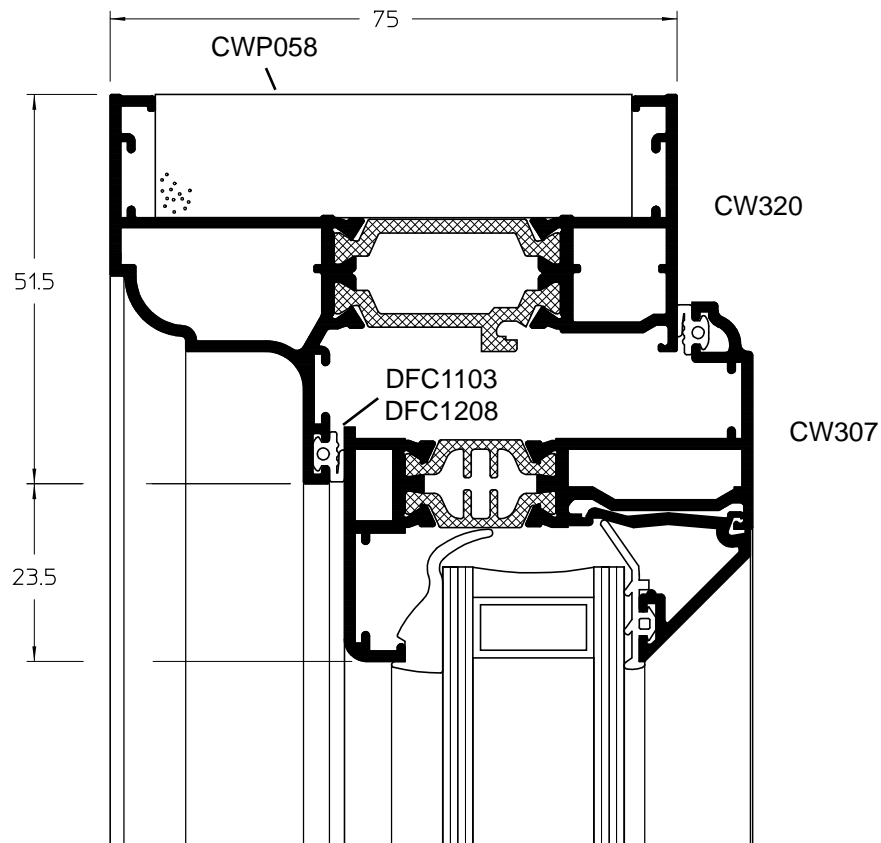


52mm outerframe 18mm equal leg.  
*All 52mm Frames can be corner jointed with each other*

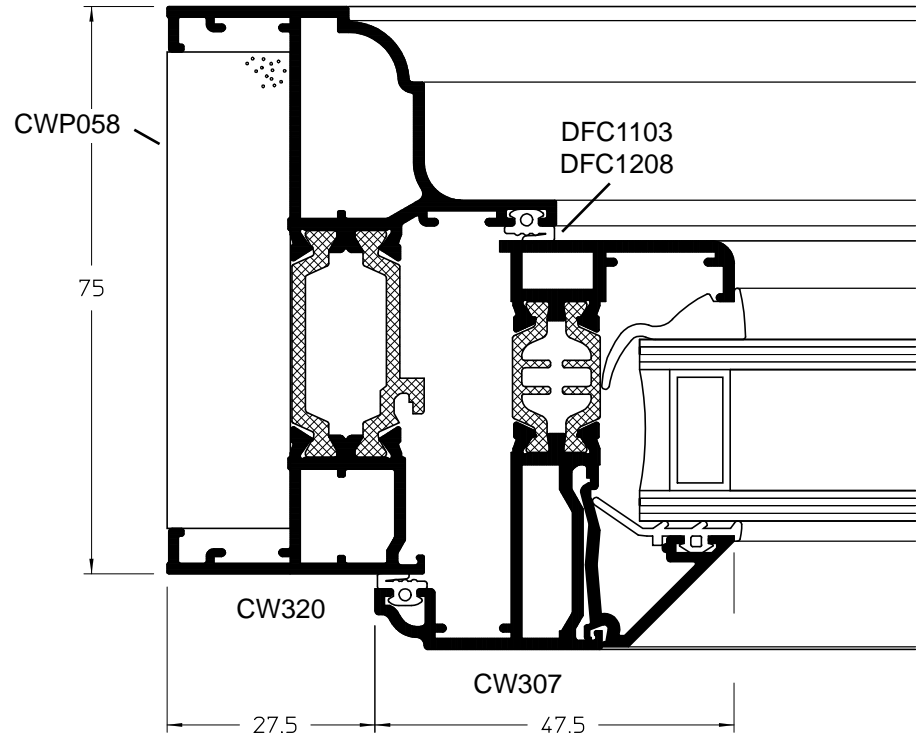


## General Arrangements

### **B** Head



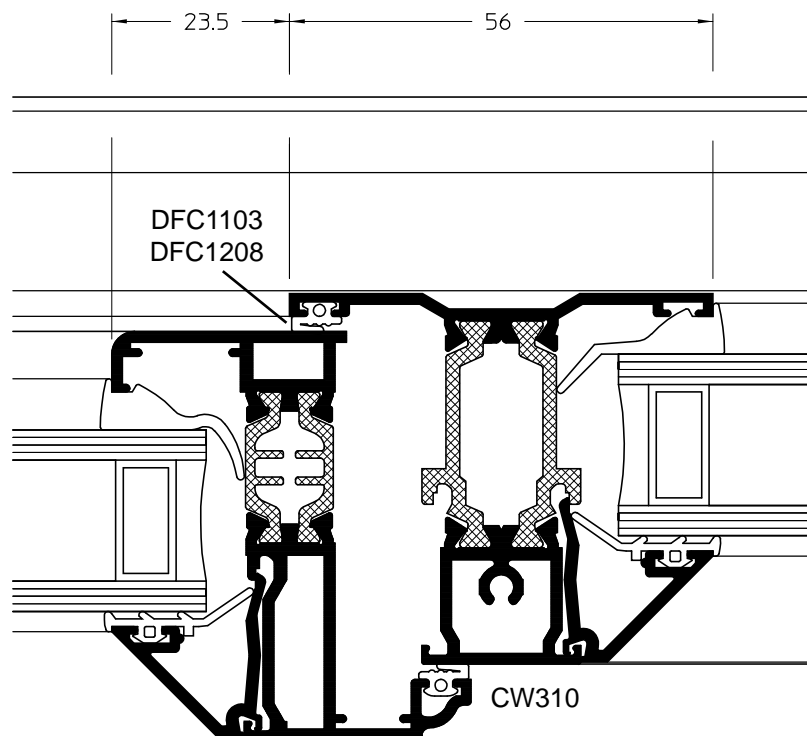
### **C** Opening Light Jamb



© Copyright Sapa Building Systems Limited. This data sheet is issued subject to the condition that it shall not be reproduced without the consent of Sapa Building Systems Limited in writing

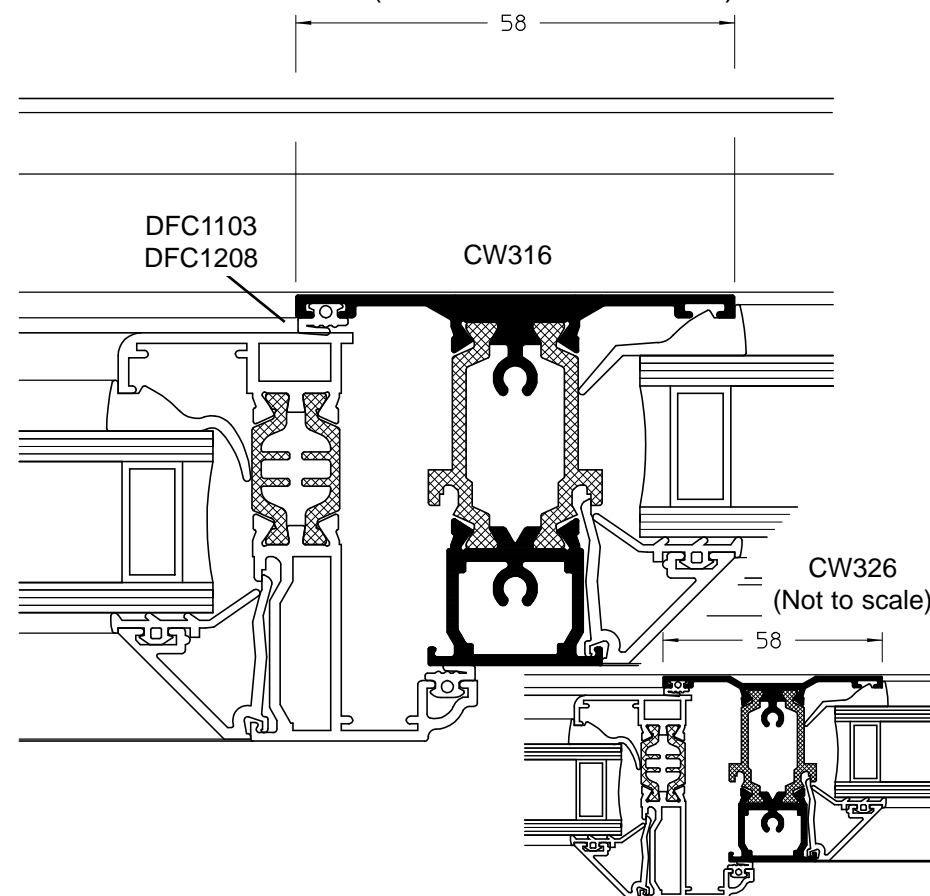
## General Arrangements

### D Mullion / Transom



### D 28mm Mullion / Transom

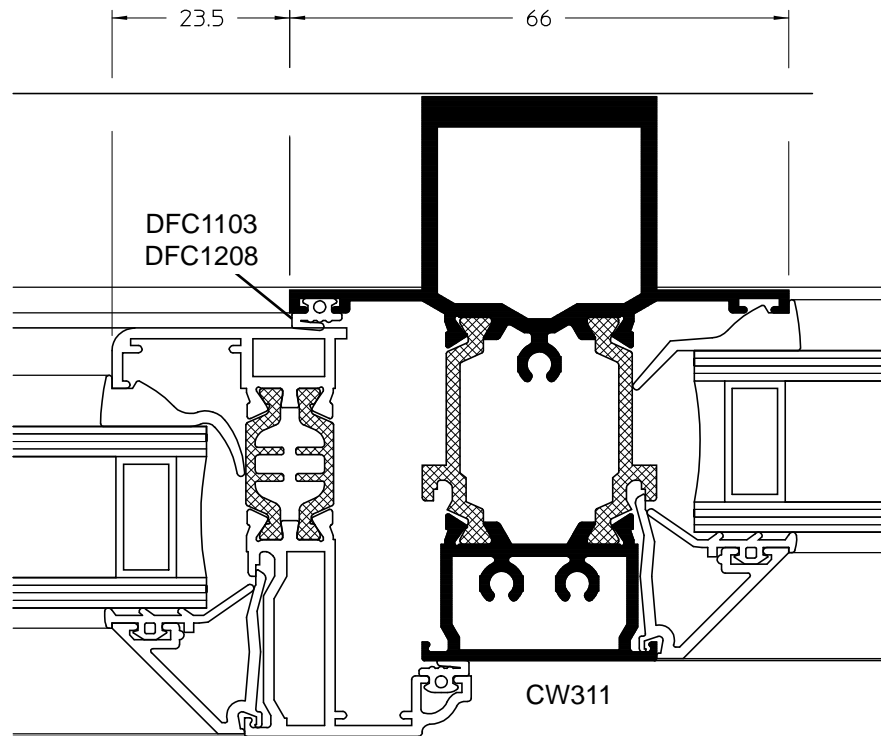
Showing alternative 58mm mullion / transom.  
(Flat & Recessed versions)



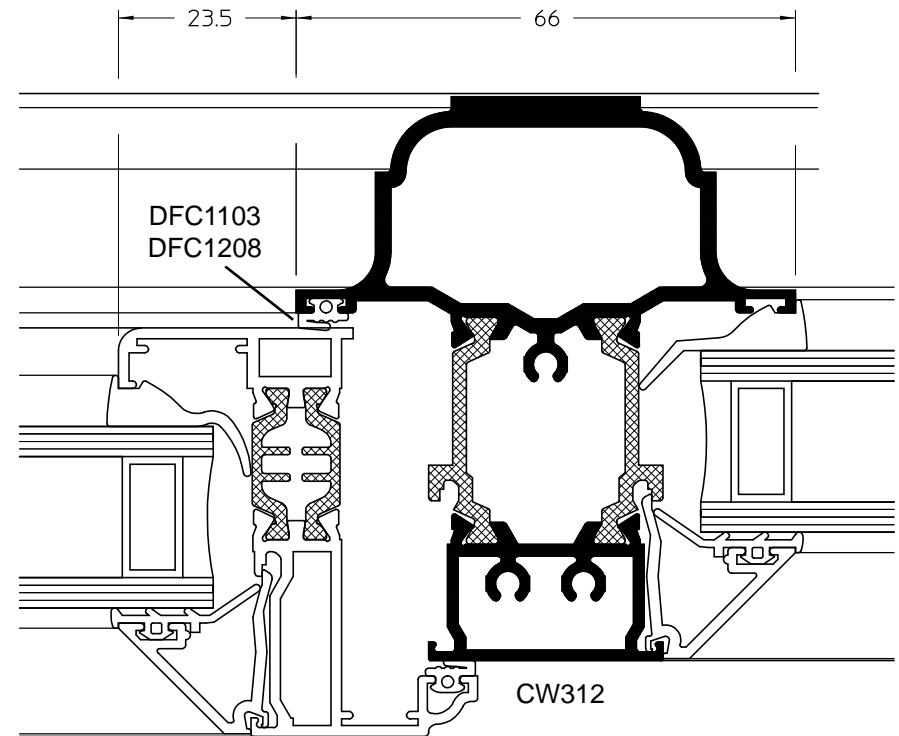
## General Arrangements

**D** HD Square Mullion / Transom

Showing alternative heavy duty square mullion / transom.  
Do not use with softline outerframes.


**D** HD Softline Mullion / Transom

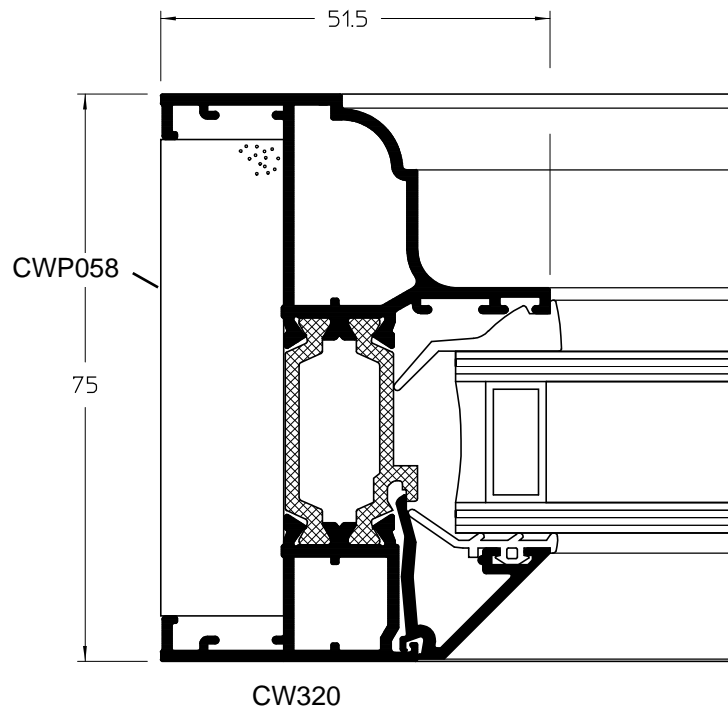
Showing alternative heavy duty softline mullion / transom.





## General Arrangements

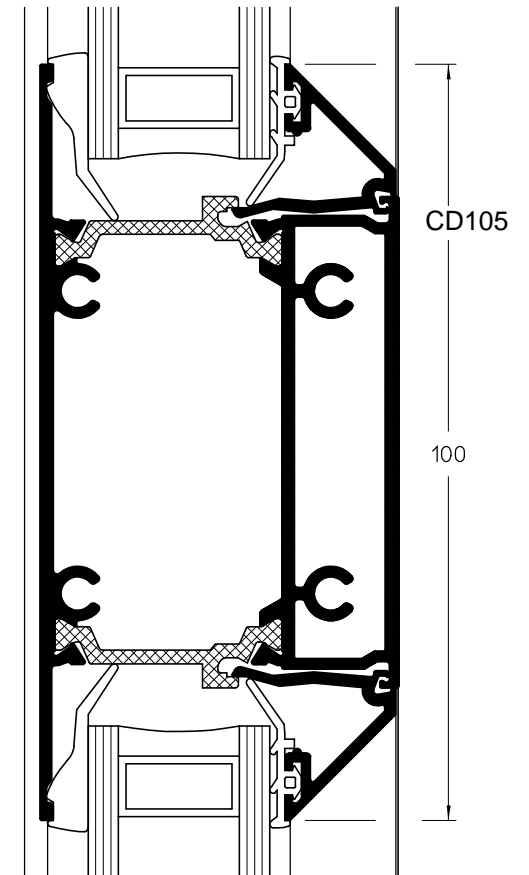
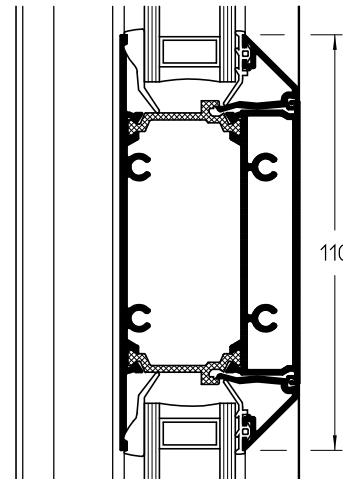
### E Fixed Light Jamb



### Door Midrail (100mm & 110mm versions)

Note opening lights must not close onto a midrail, and midrails are for horizontal use only.

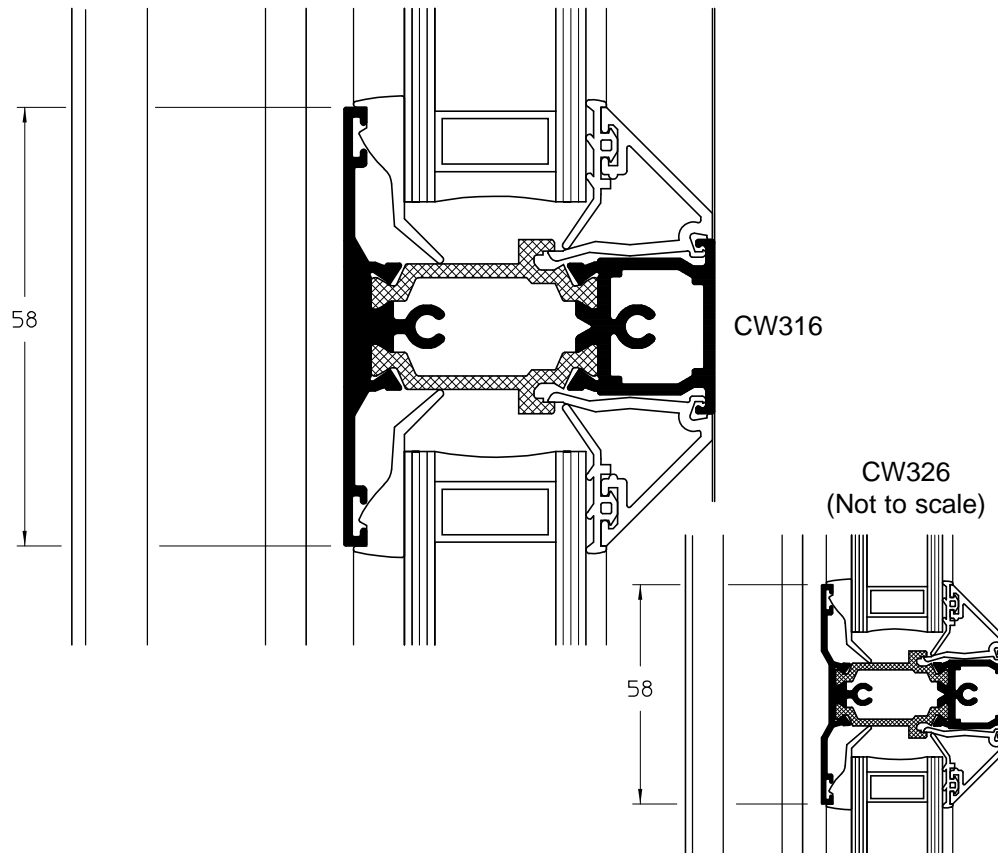
CD109  
(Not to scale)



## General Arrangements

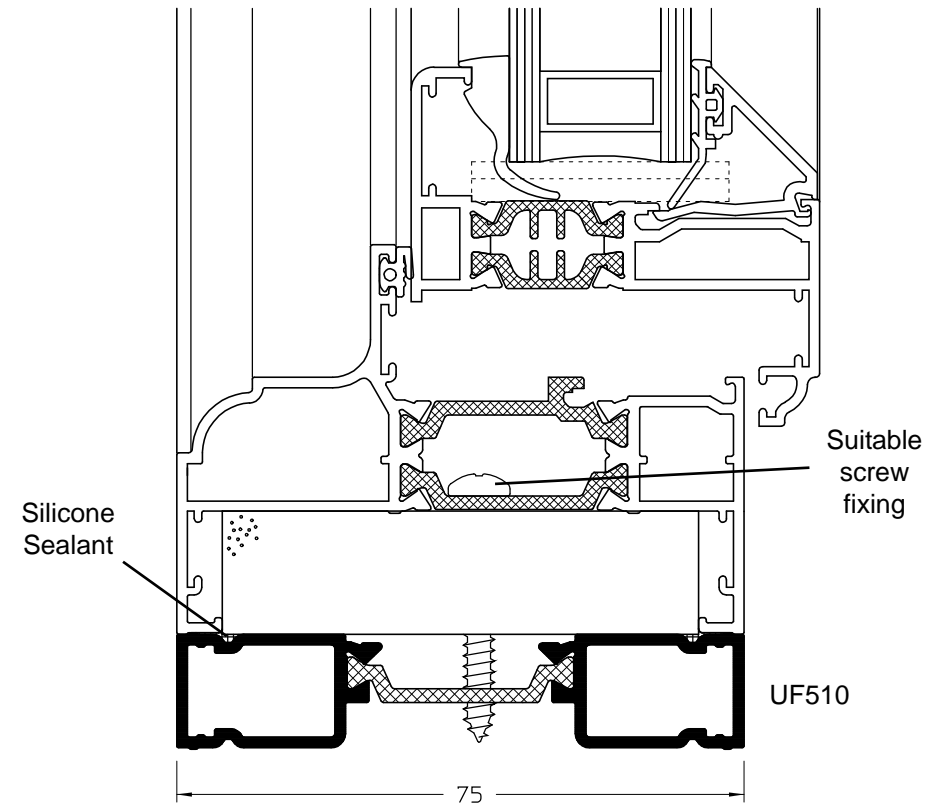
## Dummy Mullion/Transom

Only use on CW307 and CW308 vents.  
(Flat & Recessed versions)



## 15mm Frame Extender

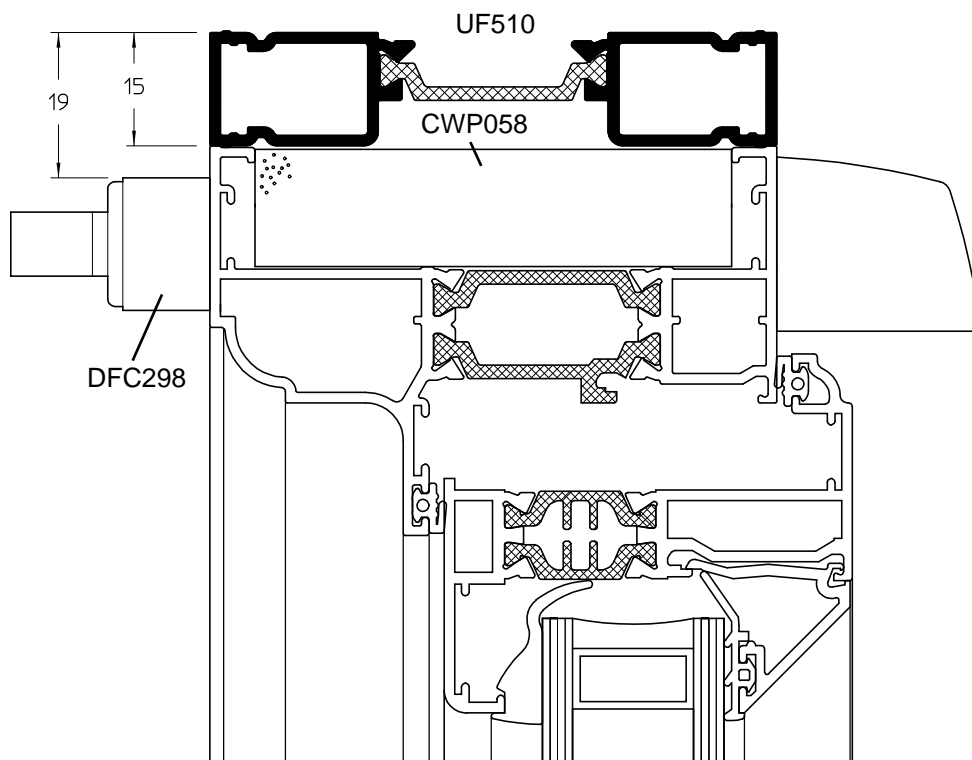
UF510 can also be used as a coupler.



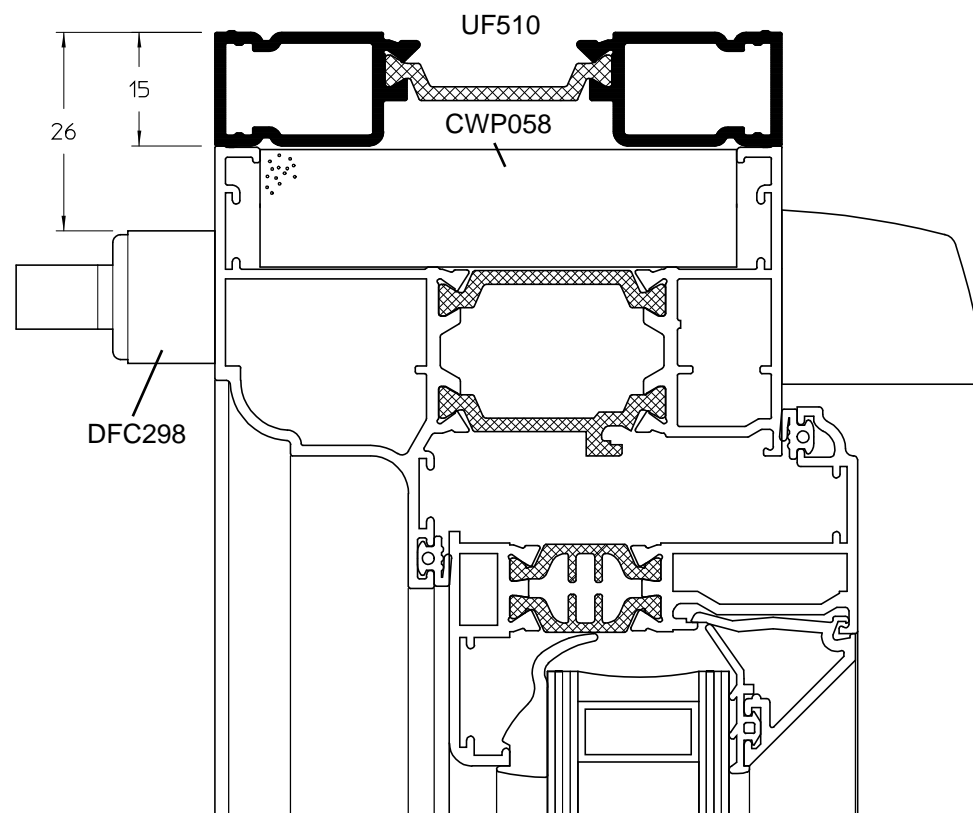
## General Arrangements

## Head Vent

Showing optional trickle vent.  
15mm frame extender with CW320 frame shown.  
CW321 frame option available, not shown.



Showing optional trickle vent.  
15mm frame extender with CW327 frame shown.

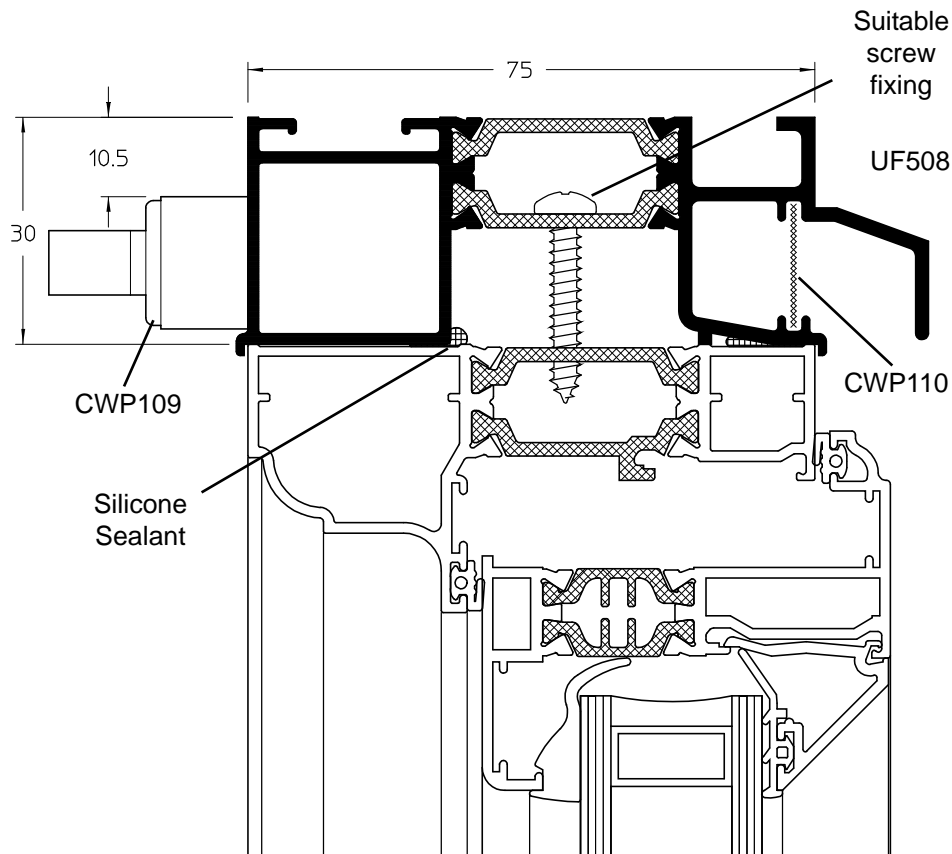




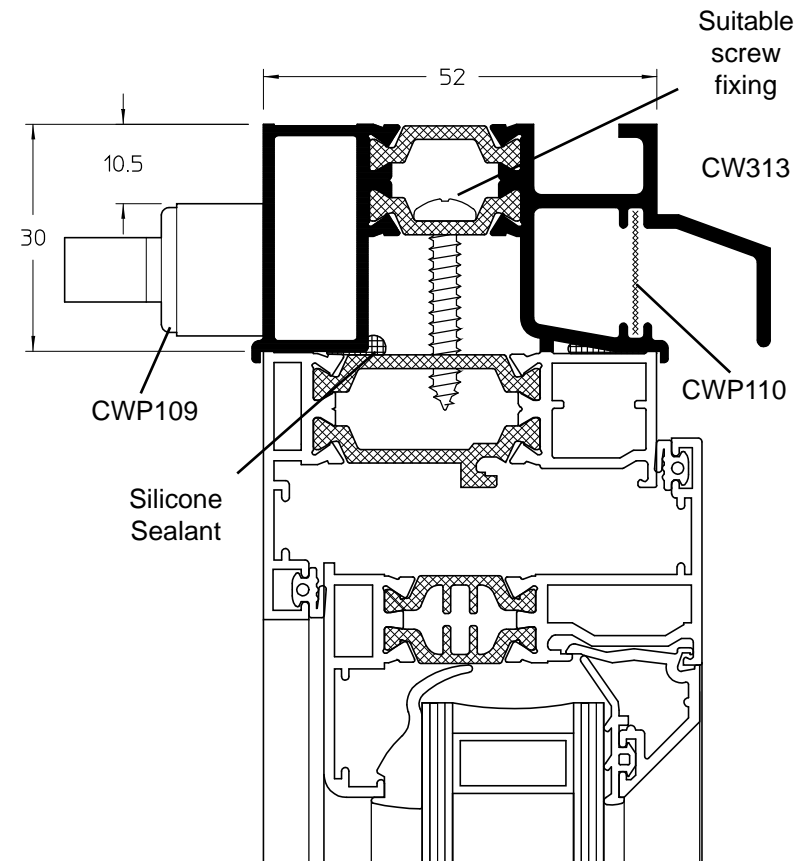
## General Arrangements

## Head Vent Profile

Showing optional trickle vent profile in 75mm frame.  
*CW322 frame shown, other frame / vent profile combinations available.*



Showing optional trickle vent profile in 52mm frame.  
*CW324 frame shown, CW328 & CW329 frame option also available.*

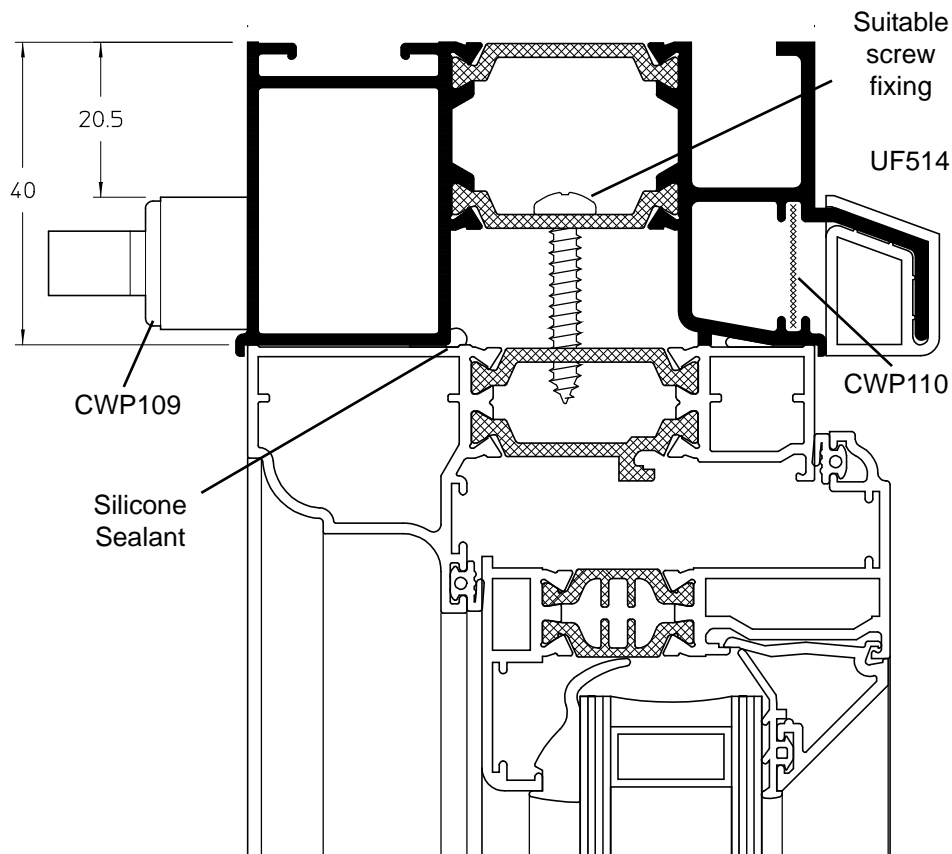




## General Arrangements

## Deep Head Vent Profile

Showing optional deep trickle vent profile in 75mm frame.  
*CW322 frame shown, other frame / vent profile combinations available.*



Showing optional deep trickle vent profile in 52mm frame.  
*CW324 frame shown, CW328 & CW329 frame option also available.*

