



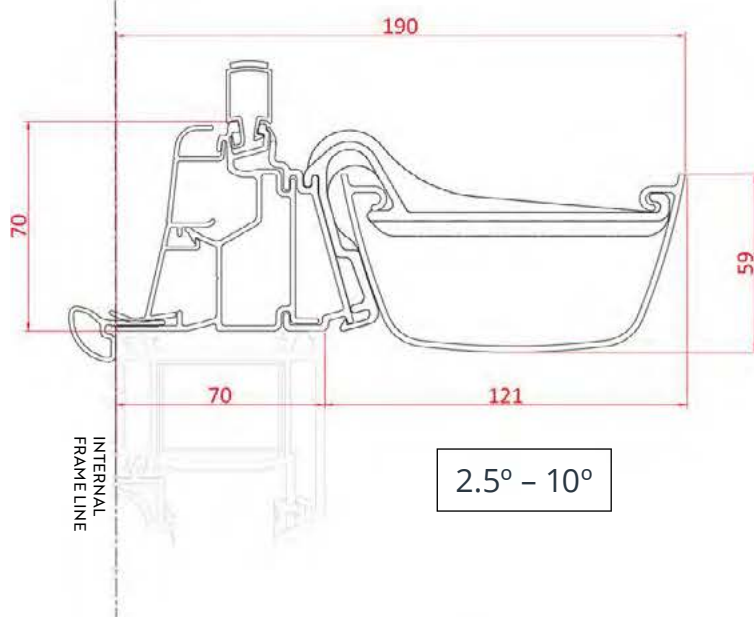
CLASSIC ROOF

TECHNICAL SPECIFICATION

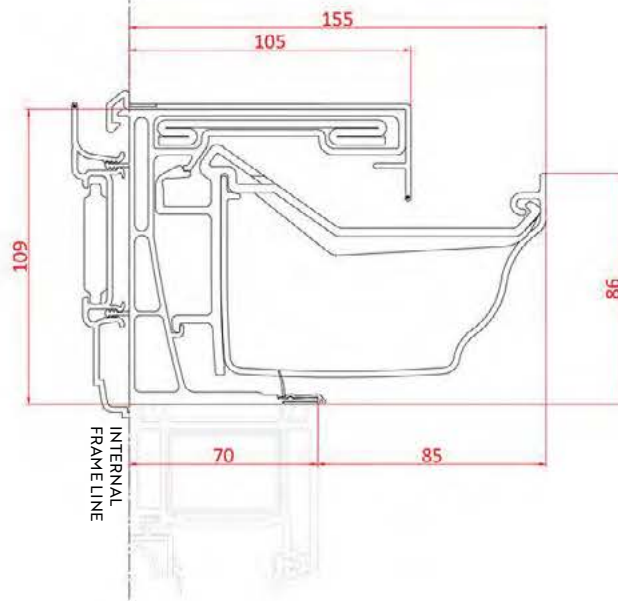
www.LUNA-ROOFS.co.uk

EAVES BEAMS

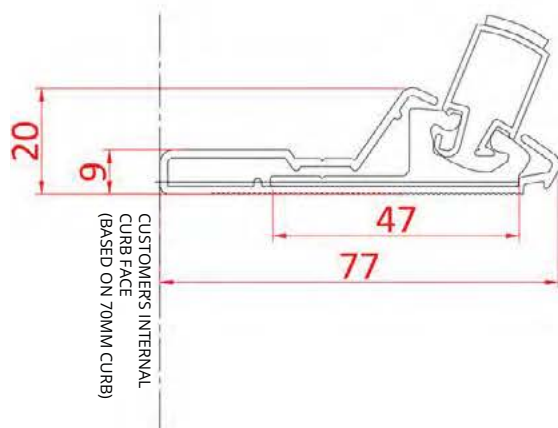
LOW PITCH EAVES BEAM



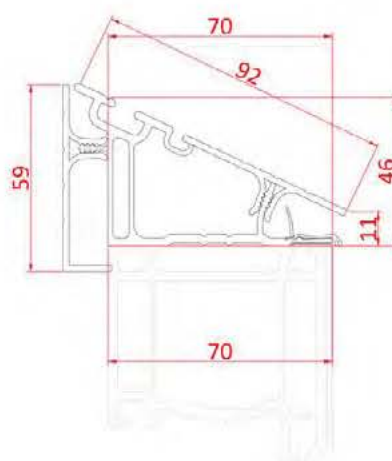
GABLE BEAM SUPPORT



RIDER RAIL EAVES

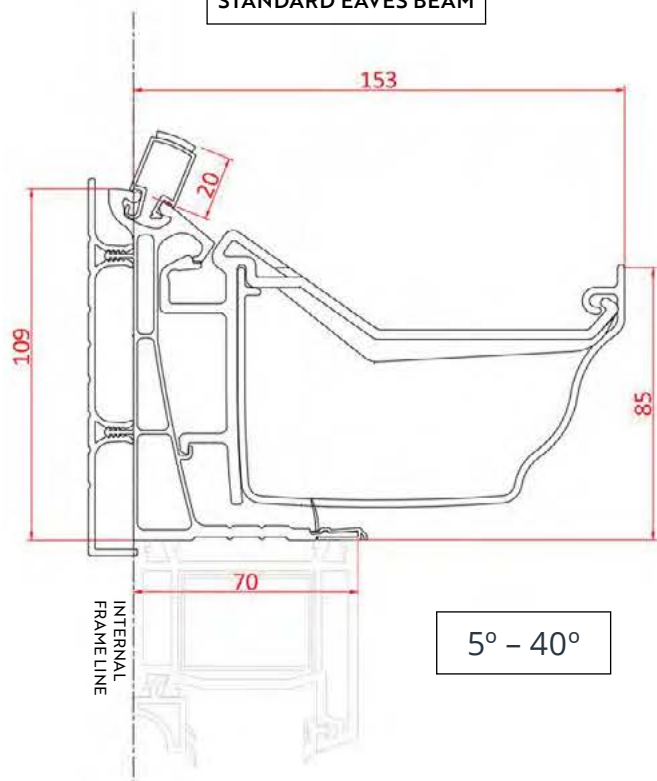


LANTERN EAVES (25%)

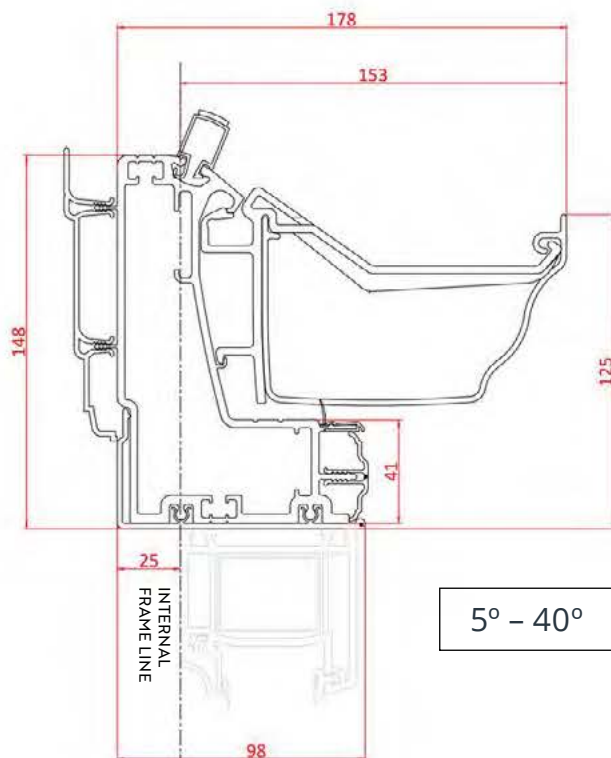


⚠ Pitch is fixed at 25°

STANDARD EAVES BEAM

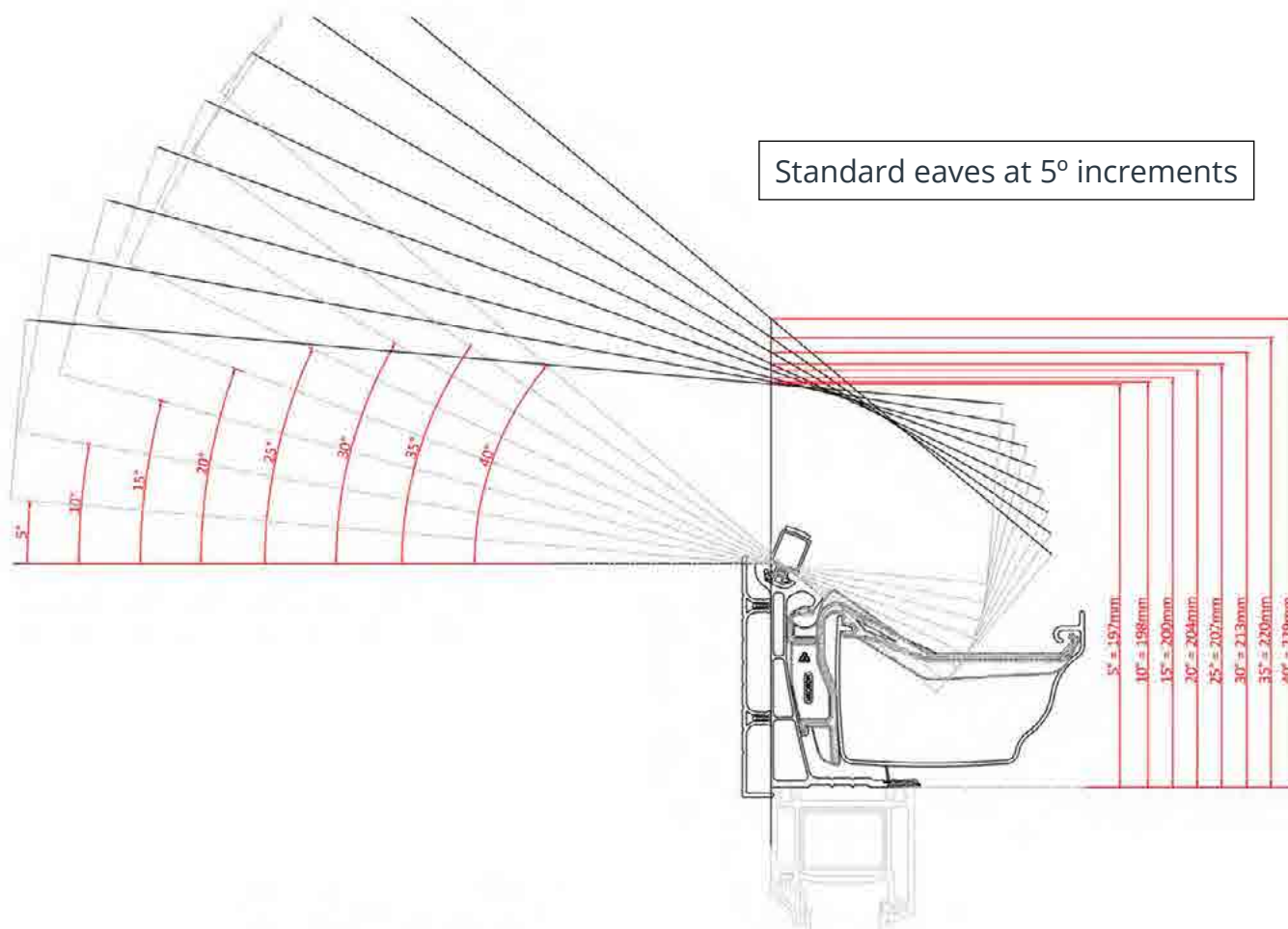


STRUCTURAL EAVES BEAM

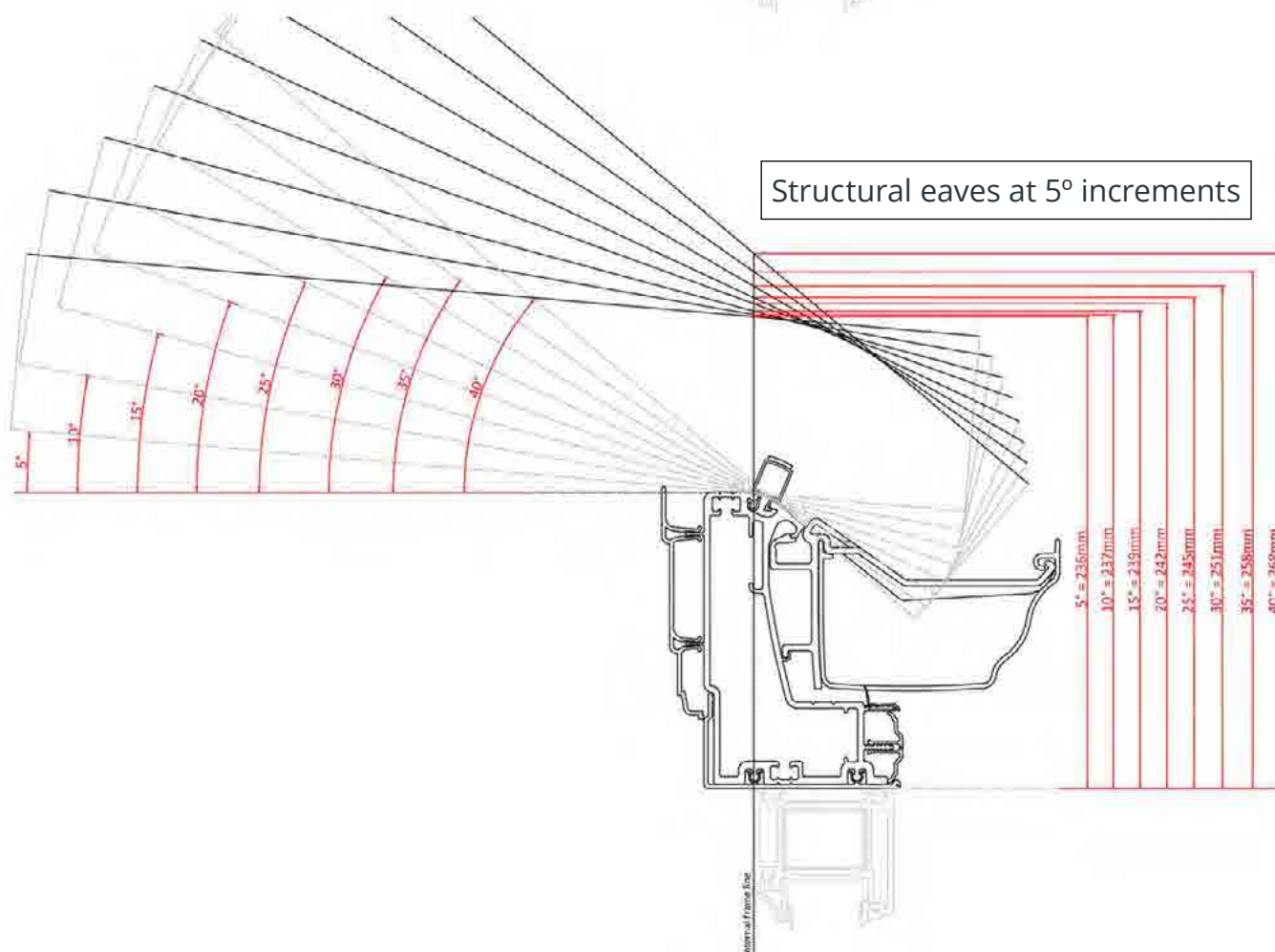


EAVES AND GLAZING BAR HEIGHTS

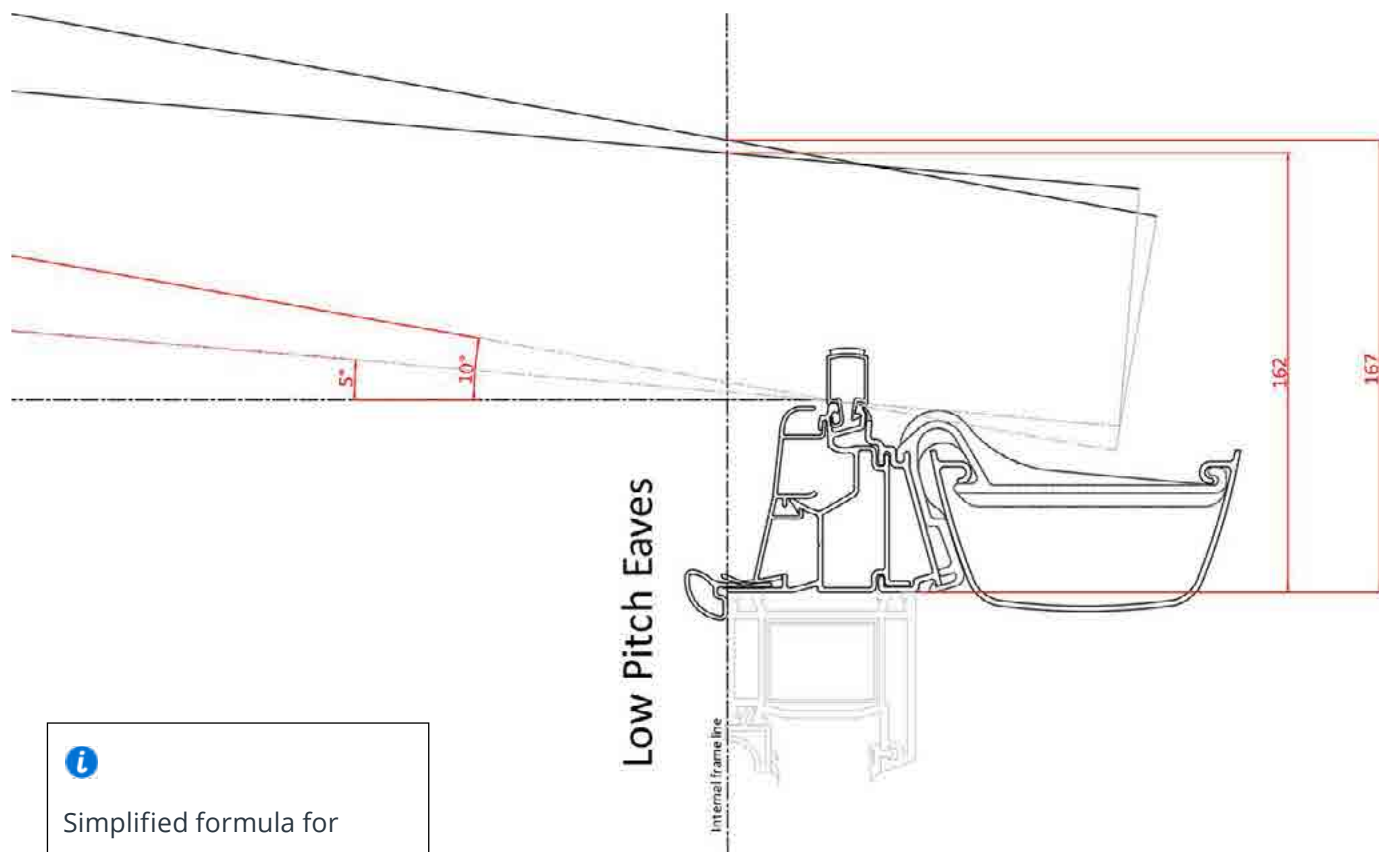
Standard eaves at 5° increments



Structural eaves at 5° increments



LOW PITCH EAVES BEAM WITH GLAZING BAR HEIGHTS

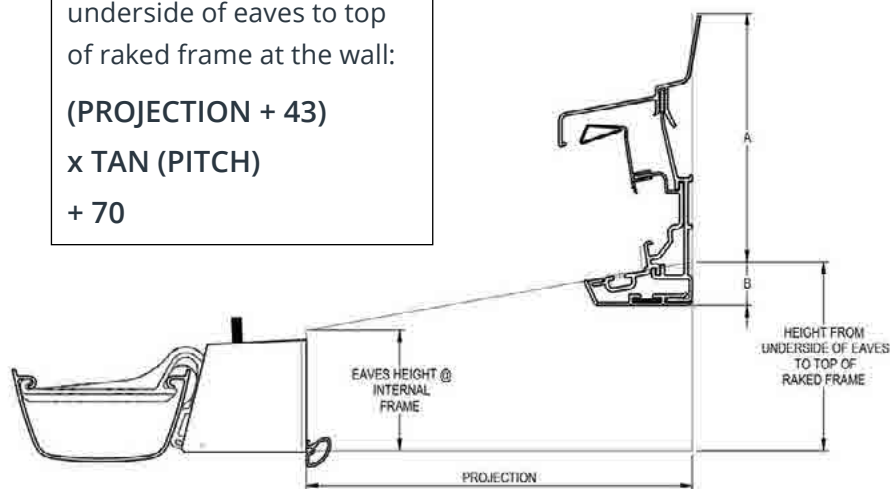


Simplified formula for calculating height from underside of eaves to top of raked frame at the wall:

(PROJECTION + 43)

x TAN (PITCH)

+ 70

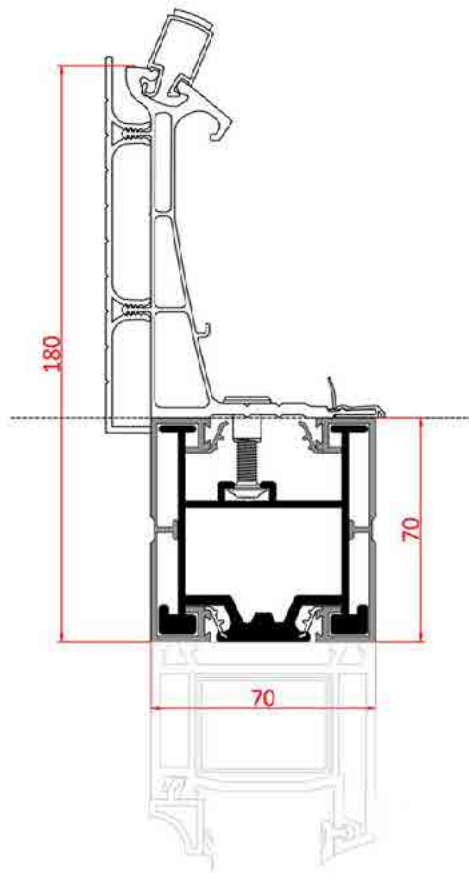


VENTILATED WALLPLATE HEIGHT RESTRICTION DETAILS			
		DIM A	DIM B
PITCH IN DEGREES	2.5	166	23
	3	165	24
	3.5	165	24
	4	165	24
	4.5	165	24
	5	164	25
	5.5	164	25
	6	164	25
	6.5	163	26
	7	163	26
	7.5	163	26
	8	163	26
	8.5	162	27
	9	162	27
	9.5	162	27
	10	161	28

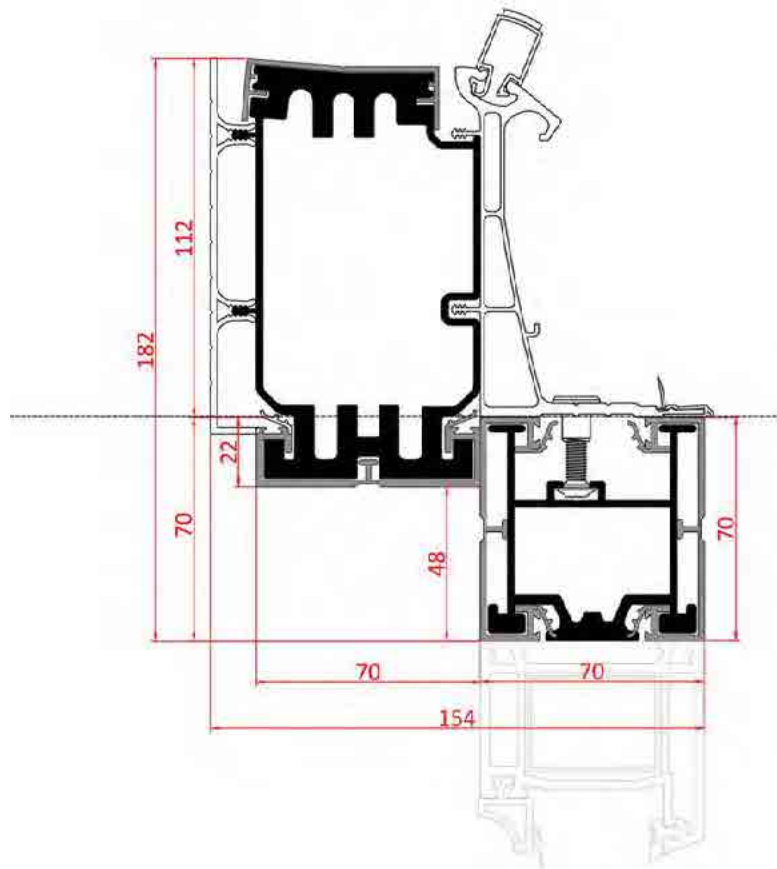
		HEIGHT FROM UNDERSIDE OF EAVES TO TOP OF RAKED FRAME AT WALL																
		EAVES HEIGHT @ INTERNAL FRAME	PROJECTION (mm)															
PITCH IN DEGREES	2.5	72	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000
	3	72	181	185	190	194	198	203	207	212	216	220	225	229	233	238	242	247
	3.5	72	203	209	214	219	224	229	235	240	245	250	256	261	266	271	277	282
	4	73	226	232	238	244	250	256	262	268	274	281	287	293	299	305	311	317
	4.5	73	248	255	262	269	276	283	290	297	304	311	318	325	332	339	346	353
	5	74	270	278	286	294	302	309	317	325	333	341	349	357	365	372	380	388
	5.5	74	292	301	310	319	327	336	345	354	362	371	380	389	397	406	415	424
	6	74	315	324	334	344	353	363	373	382	392	402	411	421	430	440	450	459
	6.5	75	337	348	358	369	379	390	400	411	421	432	442	453	463	474	484	495
	7	75	360	371	383	394	405	417	428	439	451	462	474	485	496	508	519	531
	7.5	76	382	395	407	419	431	444	456	468	480	493	505	517	530	542	554	566
	8	76	405	418	431	444	457	471	484	497	510	523	536	550	563	576	589	602
PITCH IN DEGREES	8.5	76	427	441	456	470	484	498	512	526	540	554	568	582	596	610	624	638
	9	77	450	465	480	495	510	525	540	555	570	585	600	614	629	644	659	674
	9.5	77	473	489	504	520	536	552	568	584	599	615	631	647	663	679	695	710
	10	78	496	512	529	546	562	579	596	613	629	646	663	680	696	713	730	747
	10	78	518	536	554	571	589	607	624	642	659	677	695	712	730	748	765	783

NEW BIFOLD DOOR SUPPORT BOLSTERS

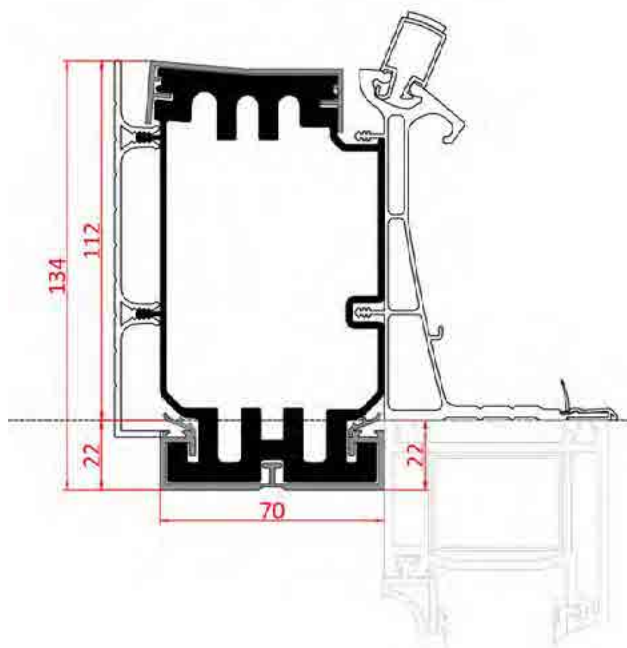
BIFOLD SUPPORT EAVES



COMBINATION EAVES



SUPER BOLSTER EAVES



Bi fold support beam which mounts to the underside of the eaves.

! This means either the roof will be 70mm higher overall or the door opening will be 70mm lower

Bolster which mounts to the inside of the eaves beam.

! The bolster sit 22mm lower the the eaves beam and may interfere with the doors.

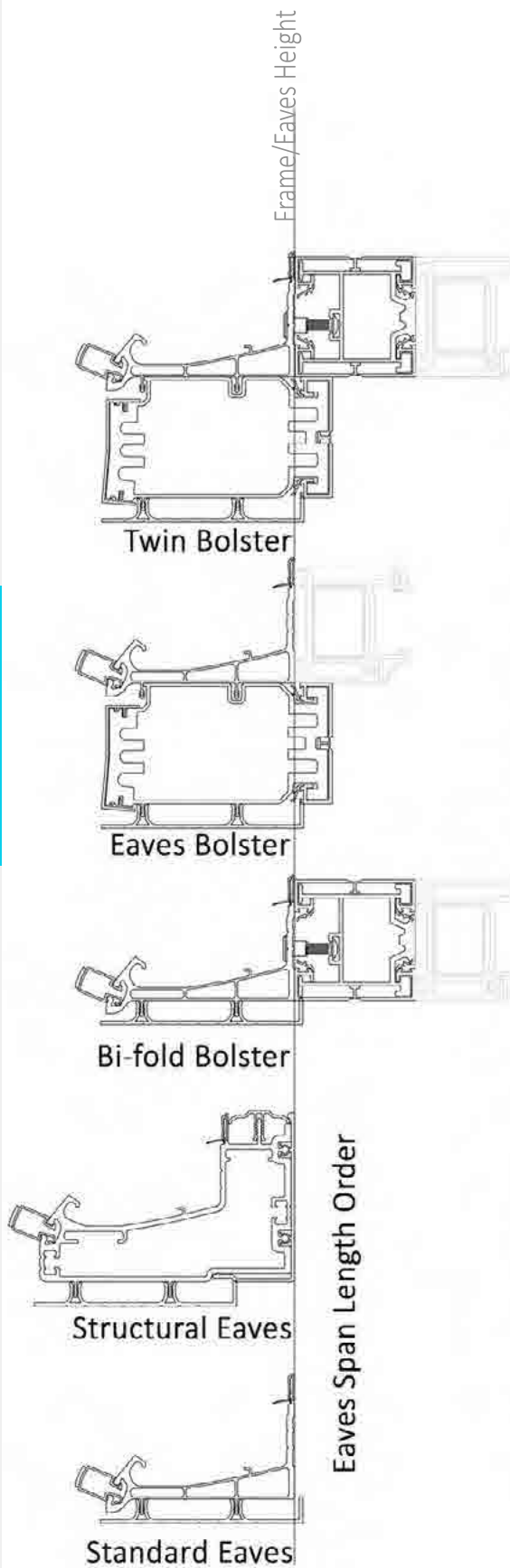
The 2 profiles can be used separately to bolster the eaves or combined to further increase the spanning capability. The bolster sections only need to be specified on the elevation where the larger opening is required (see guide chart on next page).

The bi fold support beam is 70mm tall and runs between corner posts.

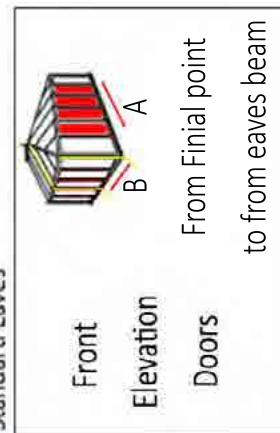
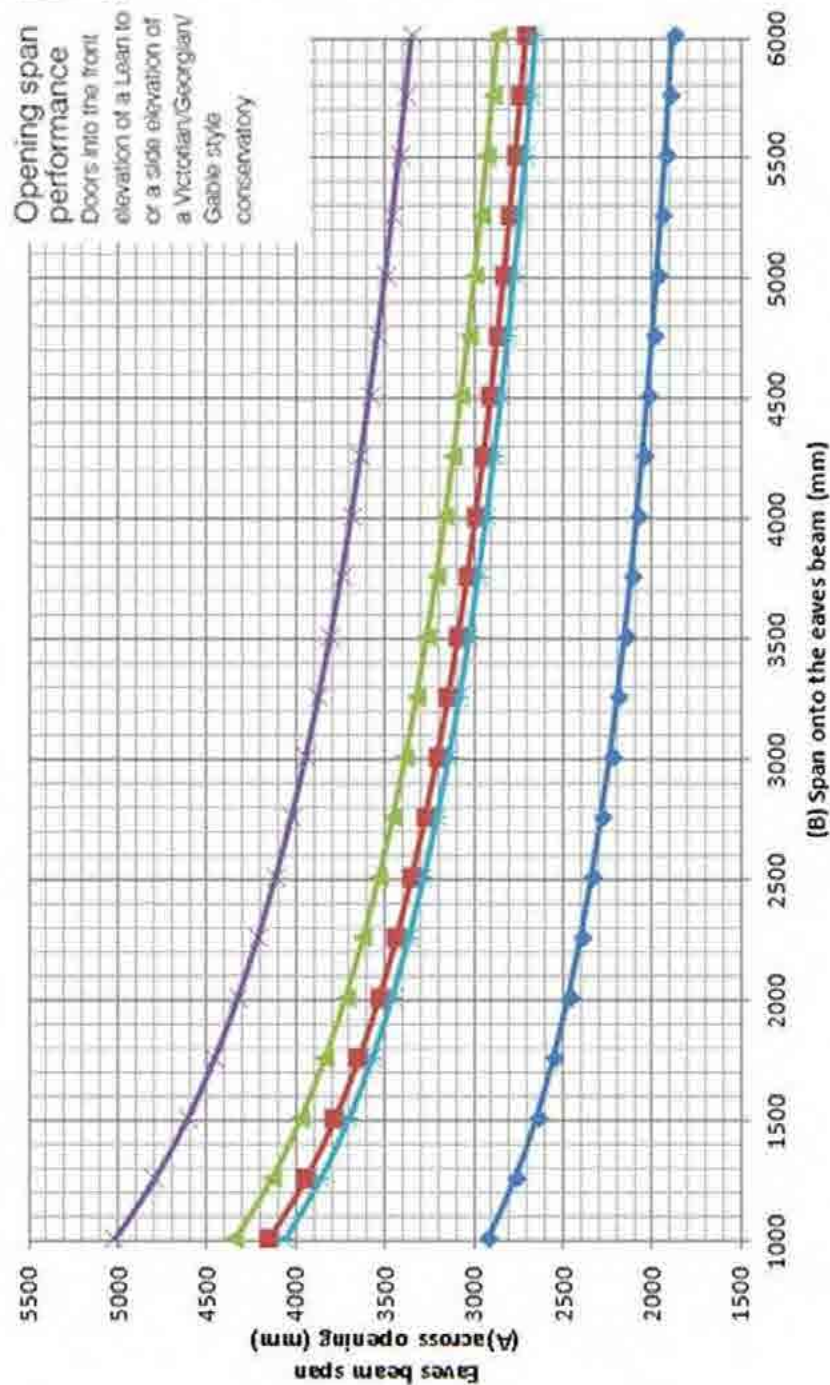
On the elevations which do not require the spanning capability, either the frame height can be adjusted.

Or standard frame add-on or corner post profile can be used to pack the frames under the eaves.

NEW BIFOLD DOOR SUPPORT BOLSTER SPAN CHART

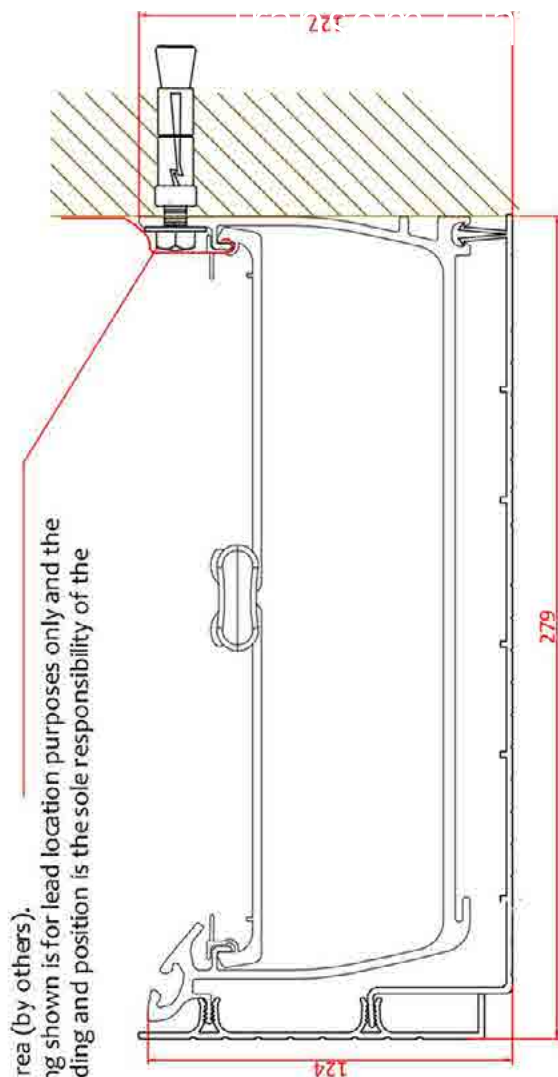


Eaves Span Chart - Standard Load - Glass (4/./4) - Snow 0.6kN/m²

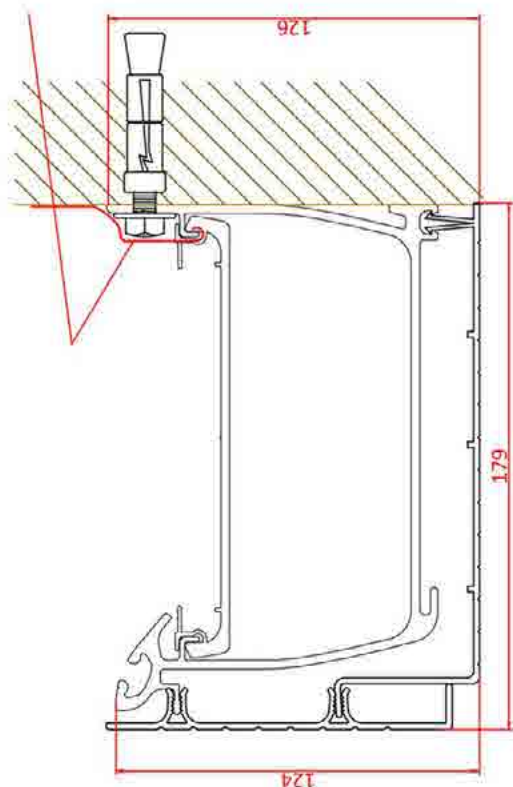


BOXGUTTERS

265mm Boxgutter with strap



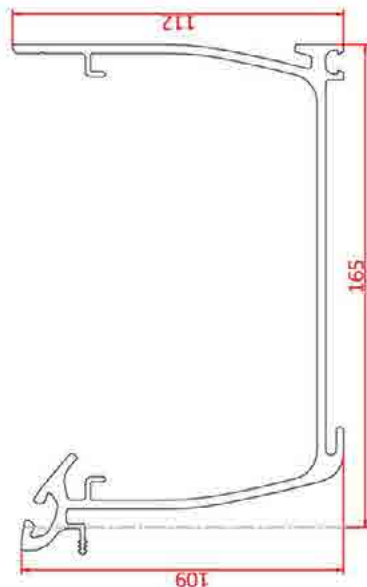
165mm Boxgutter with strap



265mm Boxgutter without strap



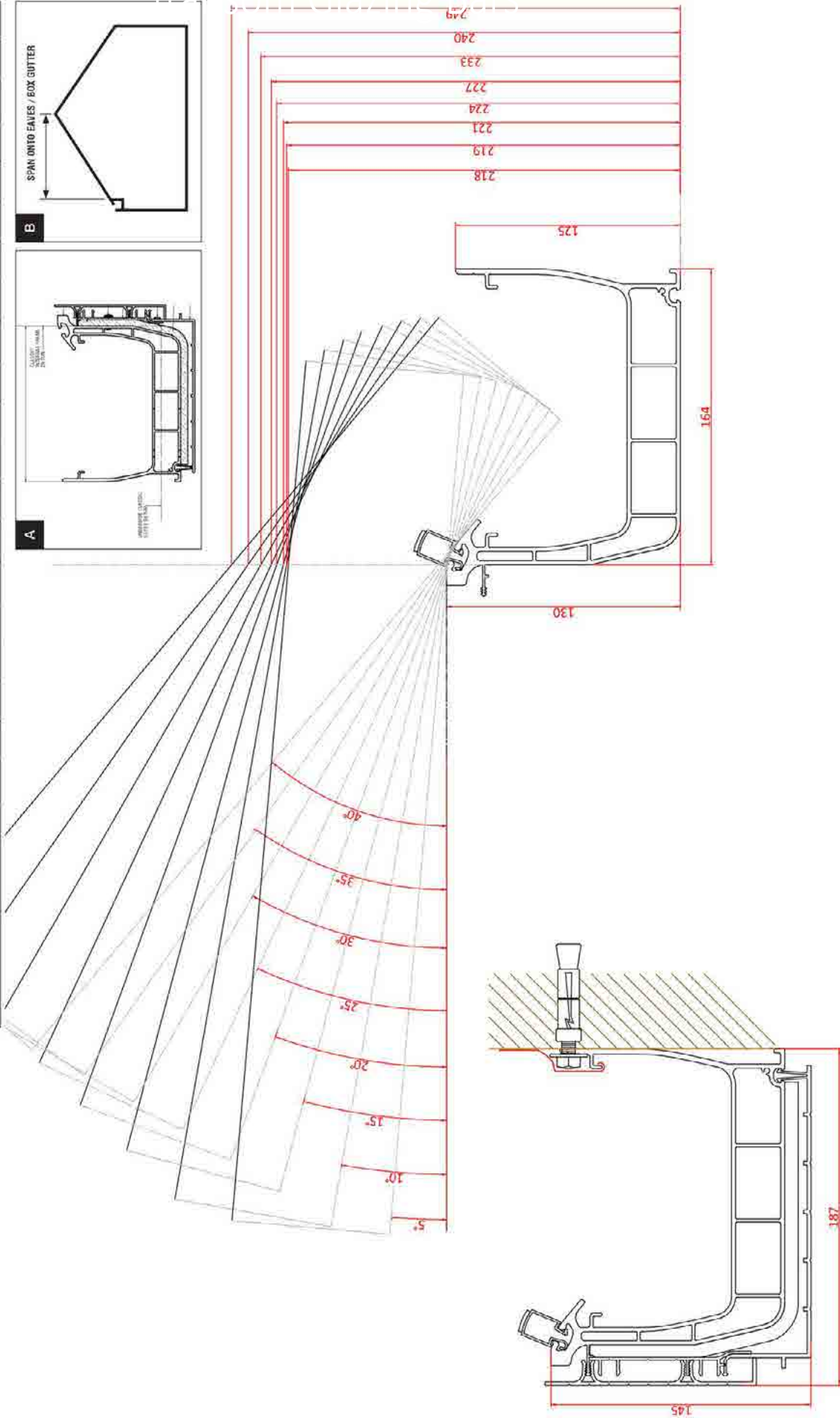
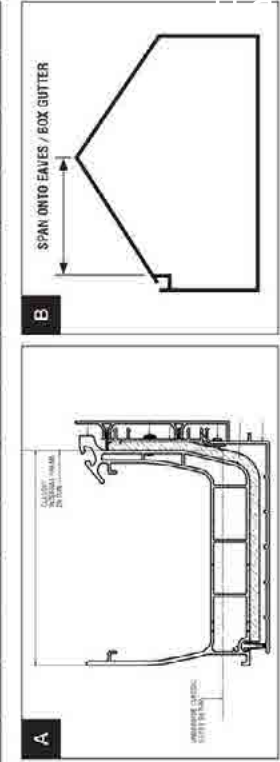
165mm Boxgutter without strap



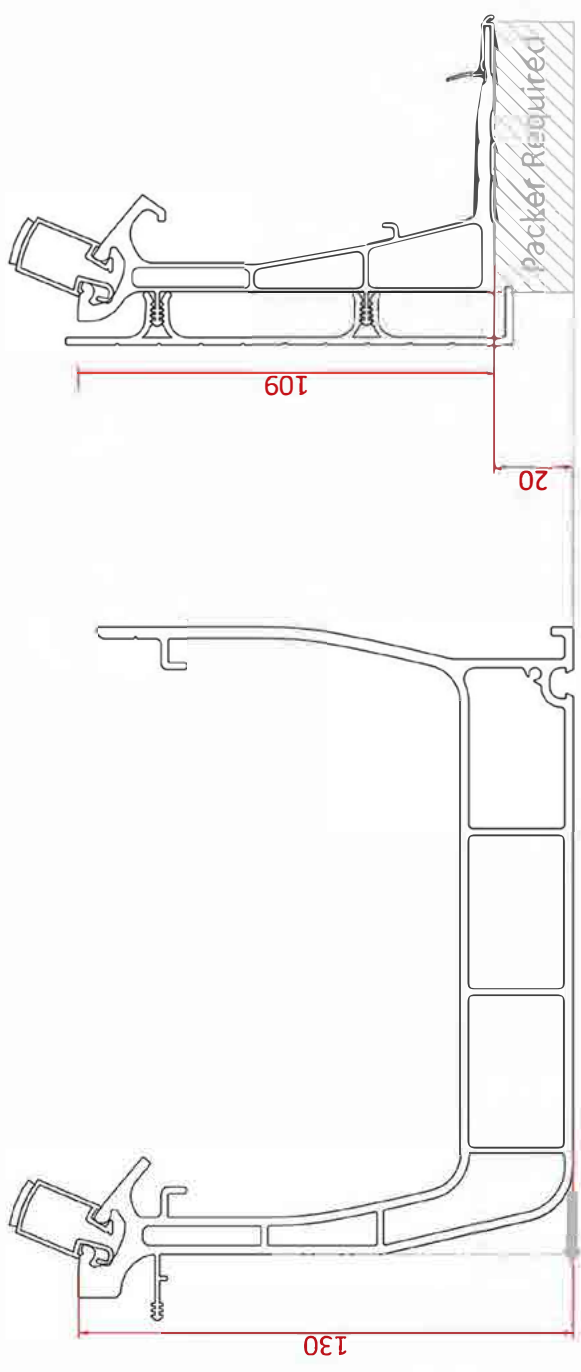
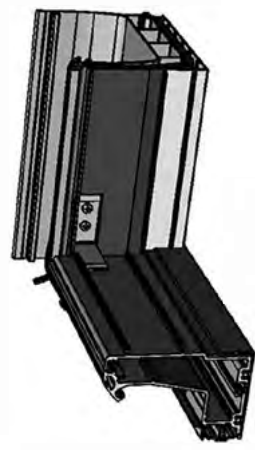
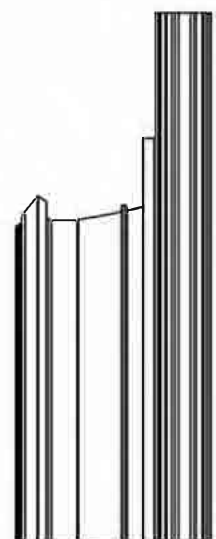
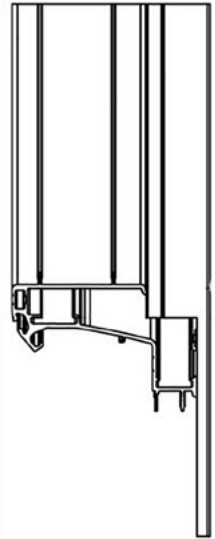
16MM CHAMBERED BOXGUTTER

Chambered box gutter spans for 4-16-4 glass roofs with 0.6kN imposed load (Please ask if load is greater than 0.6)

Span onto eaves/box gutter (B)	1	1.25	1.5	1.75	2	2.25	2.5	2.75	3	3.25	3.5	3.75	4	4.25	4.5	4.75	5	5.25	5.5	5.75	6
Box gutter span	4.85	4.59	4.38	4.22	4.08	3.96	3.86	3.77	3.69	3.61	3.55	3.49	3.43	3.38	3.33	3.29	3.24	3.2	3.17	3.13	3.1



16MM CHAMBERED BOXGUTTER



Chambered section enables spanning capability up to 4 meters without the requirement for gallow brackets.

Compatible with both Standard Eaves beam and Super-Duty Eaves.

When used with standard Eaves above, a 20mm window frame add on is required to pack the eaves and ensure that the parabolic head aligns.

A blanking plate endcap is specified with Standard eaves to close off the chambered end of the boxgutter.

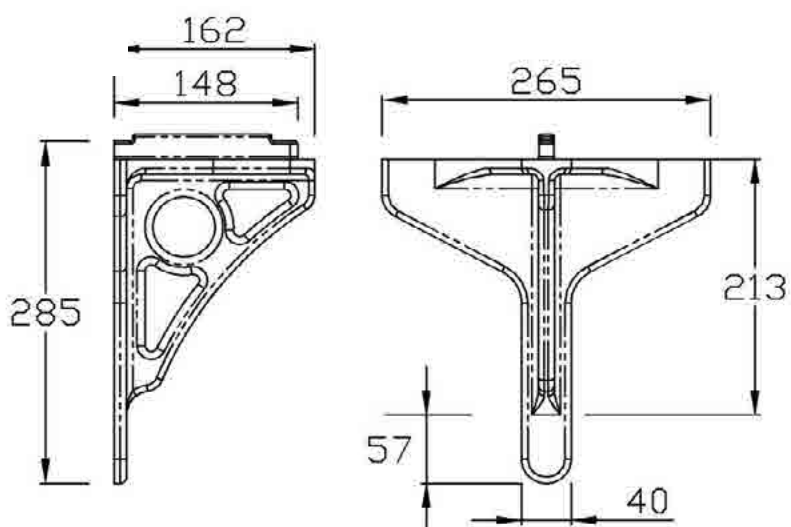
The DFS on the front of the super duty eaves beam is used to close off the chambered end of the boxgutter instead of blanking plate

Chambered boxgutter is compatible with all current 165mm adaptors

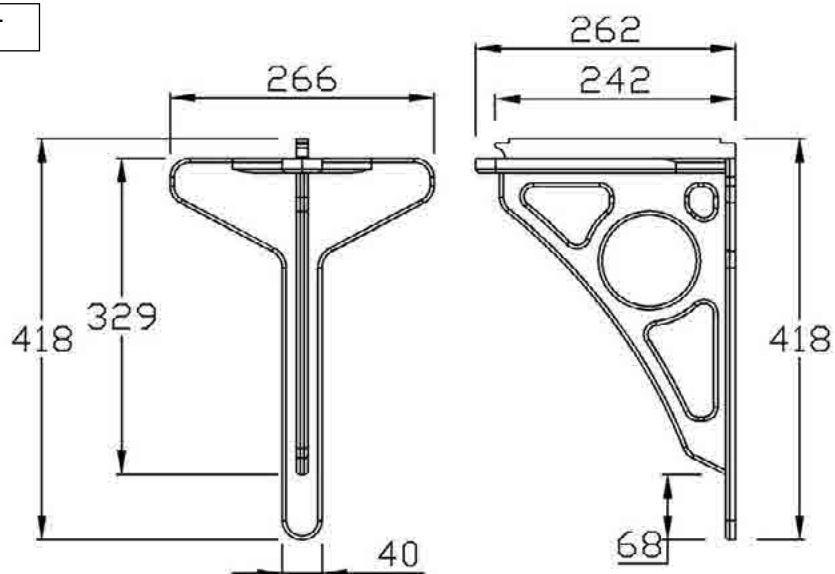


GALLOWS / HANGING BRACKETS

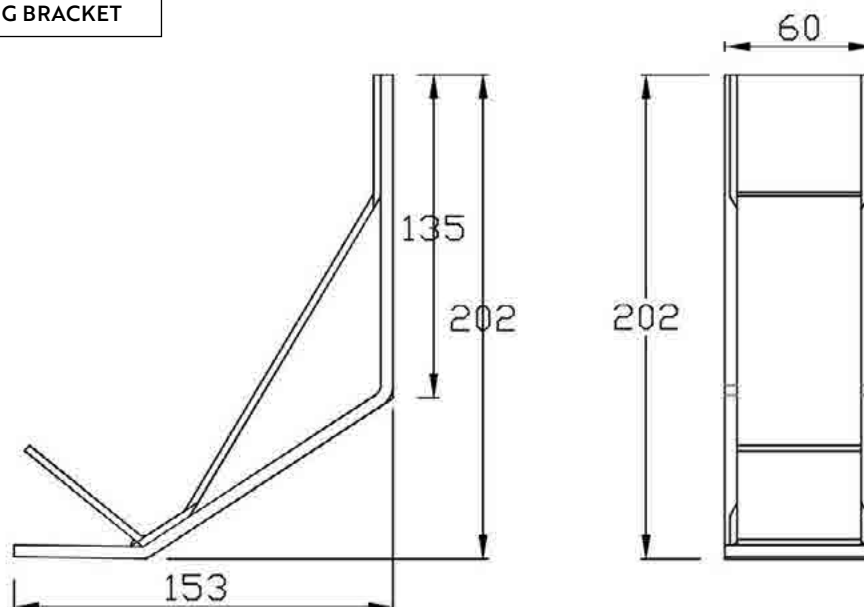
165 GALLOWS BRACKET



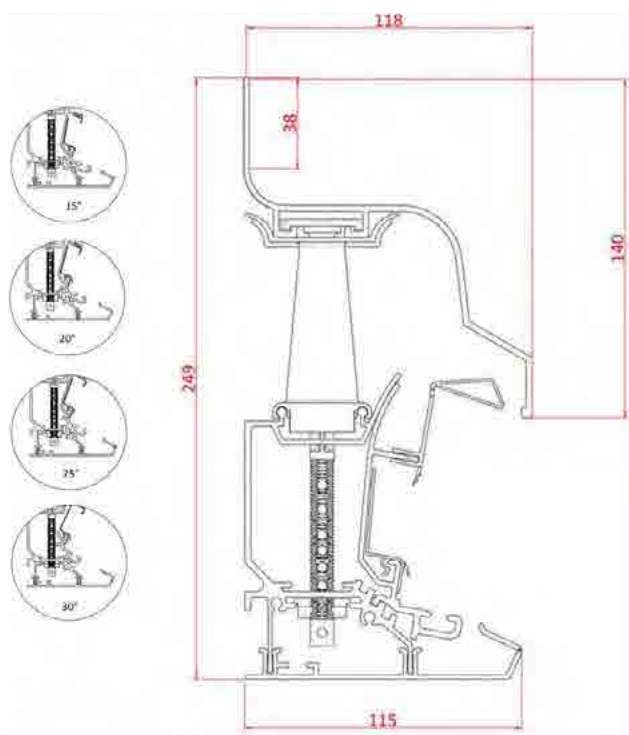
265 GALLOWS BRACKET



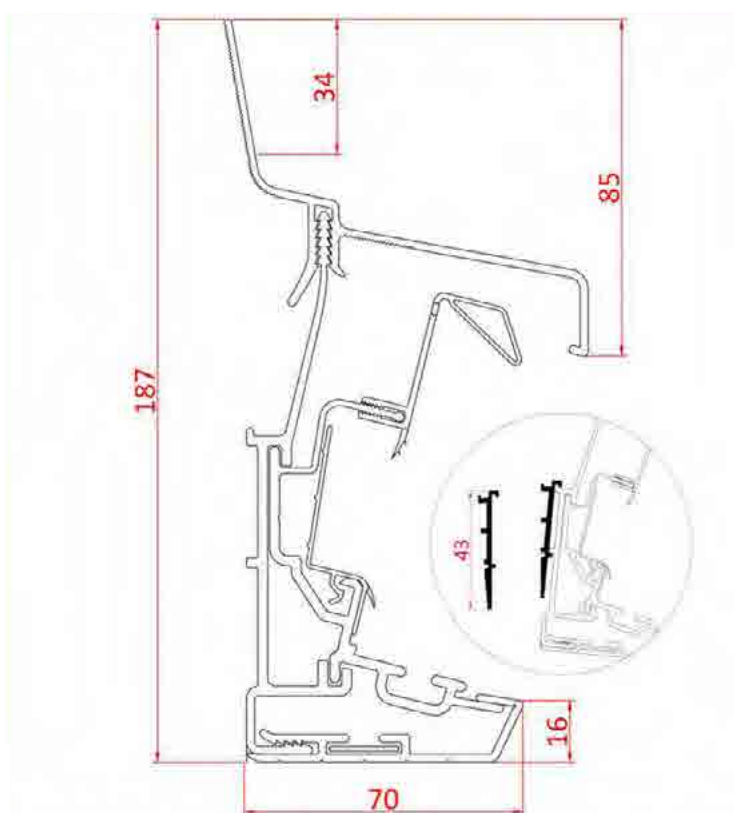
165 HANGING BRACKET



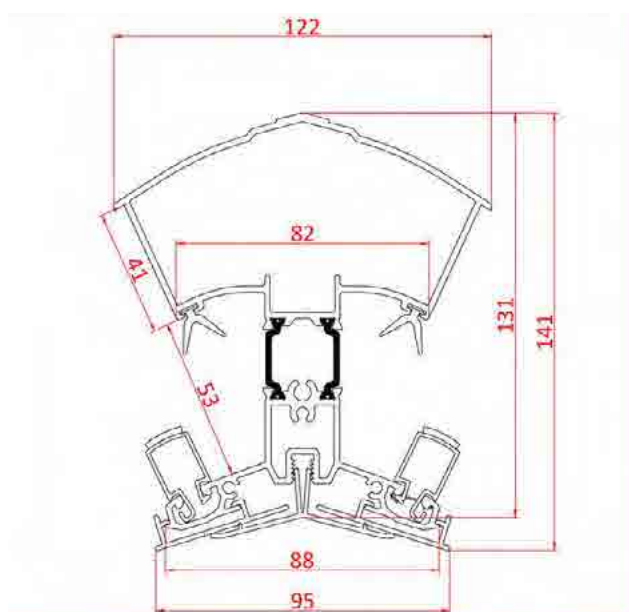
MK 5 HALF RIDGE 5° - 40°



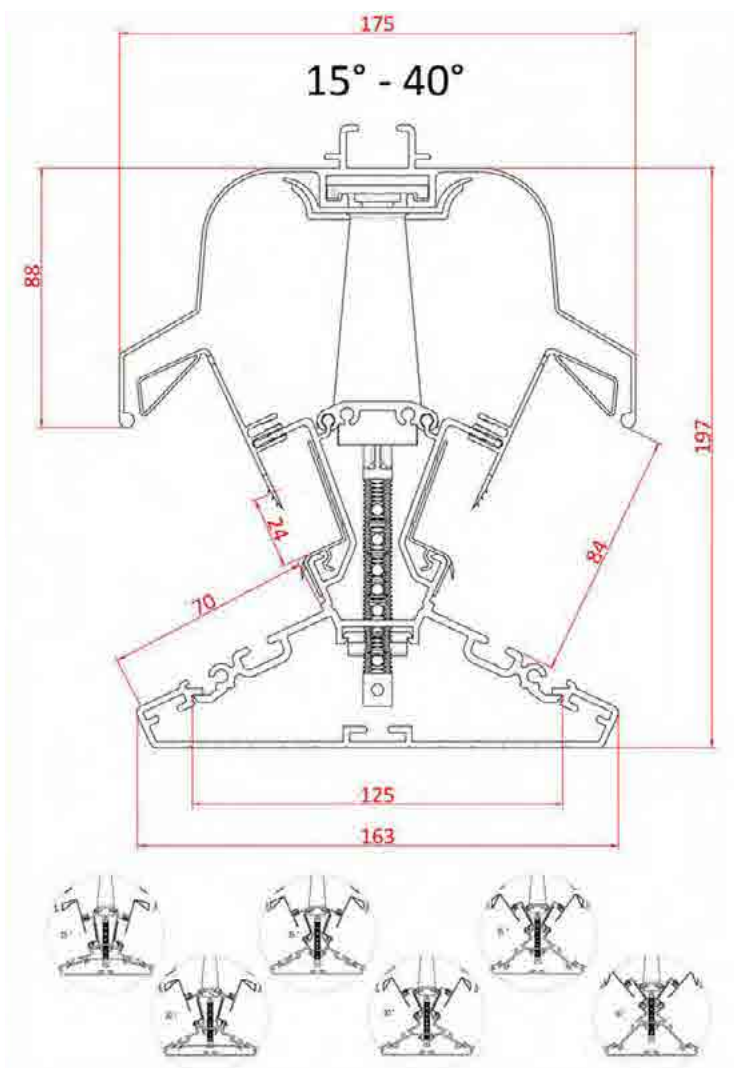
VENTILATED WALLPLATE



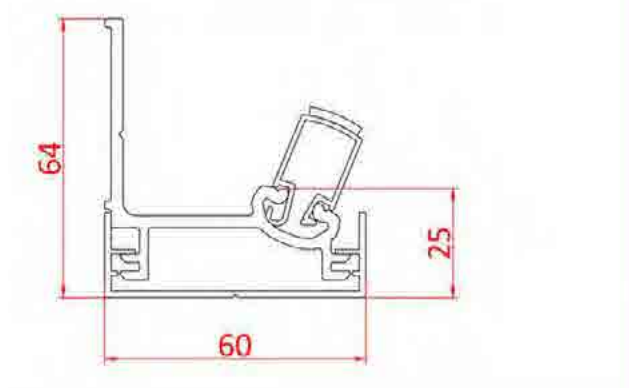
ULTRASKY RIDGE (FIXED 25°)



MK 5 FULL RIDGE 5° - 40°

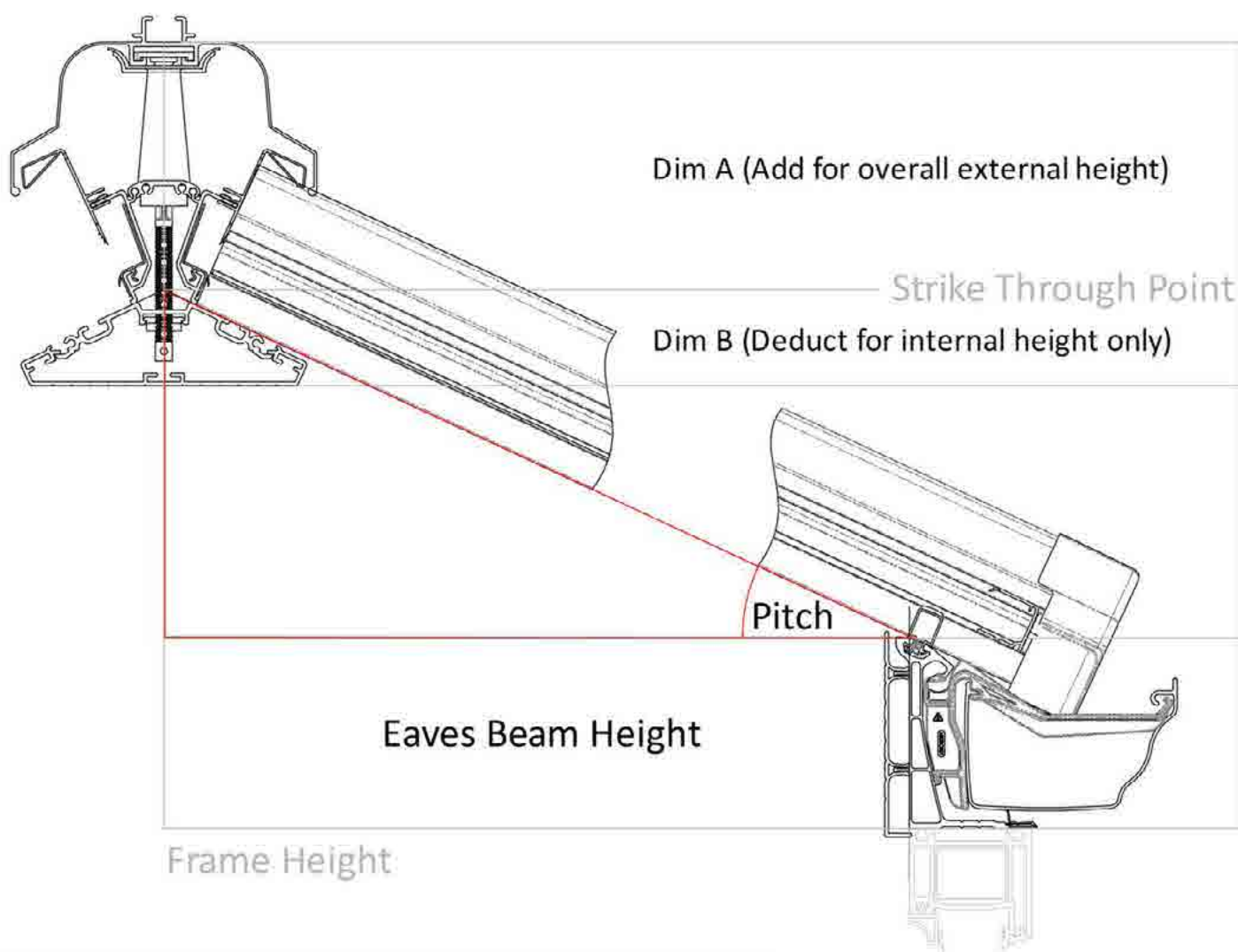


PWLA WALLPLATE 5° - 45°



MK 5 FULL RIDGE

15° – 40°



RIDGE BODY HEIGHT

Pitch P	Dimension A	Eaves height E	Dimension B
15°	154	109	44
20°	148	109	48
25°	142	109	56
30°	136	110	61
35°	130	110	71
40°	124	110	81

TO FIND STRIKETHROUGH POINT

$$\text{HALF WIDTH} \times \text{TAN (PITCH)} + \text{EAVES HEIGHT}$$

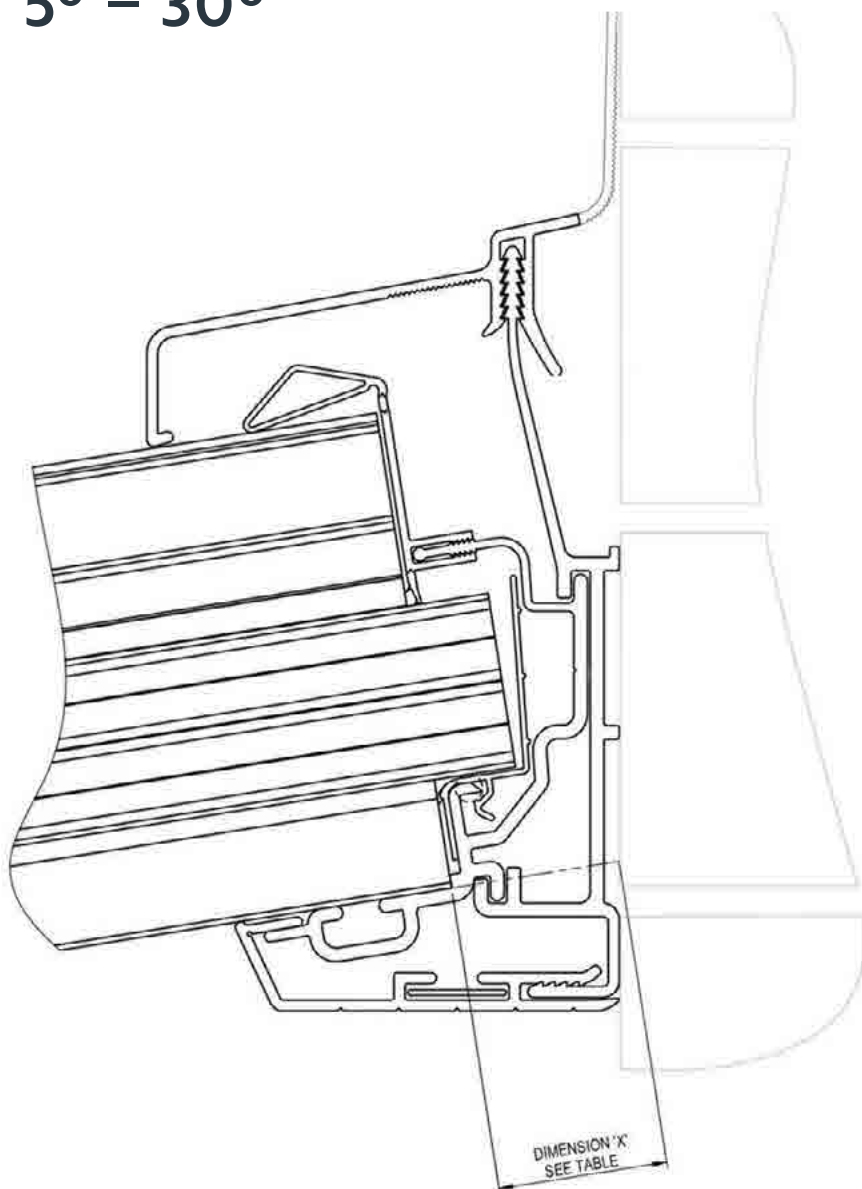
FOR OVERALL HEIGHT

+ DIM A

FOR INTERNAL HEIGHT

- DIM B

VENTILATED WALLPLATE 5° – 30°



VENTILATED WALLPLATE 5° – 30°

Pitch angle P	Dimension X
*5°	34.40mm
6°	33.25mm
7°	32.35mm
8°	31.30mm
9°	31.00mm
* 10°	31.00mm
11°	30.30mm
12°	29.30mm
13°	28.20mm
14°	28.00mm
* 15°	28.10mm
16°	32.5mm
17°	32.00mm
18°	30.80mm
19°	30.9mm
* 20°	31.40mm
21°	35.25mm
22°	34.85mm
23°	34.00mm
24°	34.00mm
* 25°	34.25mm
26°	38.40mm
27°	38.00mm
28°	37.15mm
29°	37.30mm
30°	37.60mm

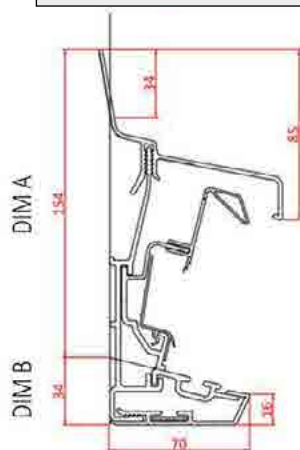
TO FIND STRIKETHROUGH POINT

HALF WIDTH × TAN (PITCH) + EAVES HEIGHT

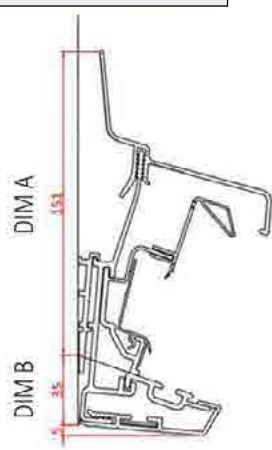
FOR OVERALL HEIGHT + DIM A FOR INTERNAL HEIGHT - DIM B

⚠ NOTE: DIMENSION X

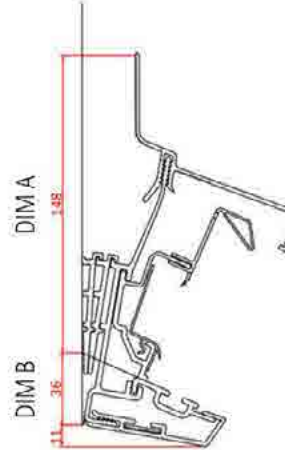
At the packer changeover points indicated in the table with a *
If the pitch is greater than the value indicated use the next pitch up.
E.g For 20.1° use 21° value for dimension 'X'



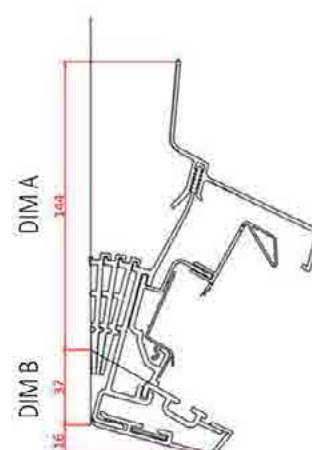
10.1° - 15° Pitch



15.1° - 20° Pitch
(1 x 5" packer required)



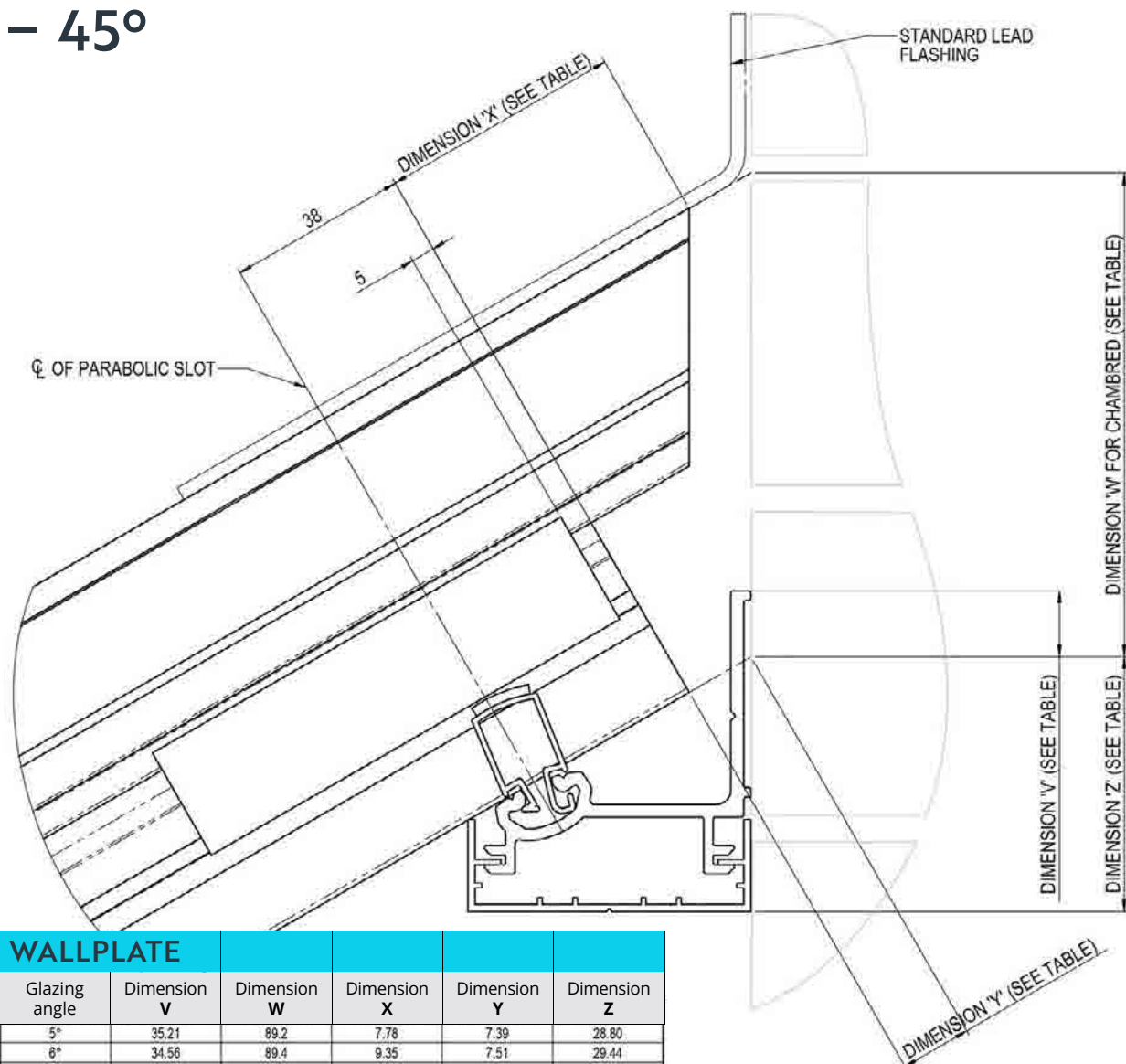
20.1° - 25° Pitch
(2 x 5" packer required)



25.1° - 30° Pitch
(3 x 5" packer required)

PWLA WALLPLATE

5° – 45°



WALLPLATE

Glazing angle	Dimension V	Dimension W	Dimension X	Dimension Y	Dimension Z
5°	35.21	89.2	7.78	7.39	28.80
6°	34.56	89.4	9.35	7.51	29.44
7°	33.90	89.5	10.92	7.64	30.10
8°	33.23	89.8	12.50	7.77	30.77
9°	32.54	90.00	14.09	7.92	31.46
10°	31.85	90.30	15.68	8.08	32.16
11°	31.13	90.50	17.29	8.26	32.87
12°	30.41	90.90	18.90	8.44	33.59
13°	29.67	90.12	20.53	8.64	34.39
14°	28.91	91.60	22.17	8.86	35.09
15°	28.14	92.0	23.83	9.09	35.87
16°	27.34	92.5	25.50	9.33	36.66
17°	26.54	92.90	27.19	9.60	37.46
18°	25.71	93.50	28.90	9.88	38.29
19°	24.86	94.00	30.64	10.18	39.14
20°	24.00	94.60	32.37	10.51	40.00
21°	23.11	95.20	34.14	10.85	40.89
22°	22.20	95.90	35.93	11.22	41.80
23°	21.26	96.60	37.75	11.60	42.74
24°	20.31	97.30	39.59	12.02	43.69
25°	19.32	98.10	41.47	12.46	44.68
26°	18.31	98.90	43.37	12.93	45.69
27°	17.28	99.80	45.31	13.42	46.72
28°	16.21	100.70	47.28	13.95	47.79
29°	15.11	101.6	49.29	14.51	48.89
30°	13.98	102.60	51.34	15.10	50.02
31°	12.82	103.70	53.43	15.70	51.18
32°	11.62	104.80	55.57	16.39	52.38
33°	10.38	106.00	57.75	17.10	53.62
34°	9.10	107.20	59.98	17.84	54.90
35°	7.78	108.50	62.27	18.63	56.22
36°	6.42	109.90	64.61	19.47	57.58
37°	5.01	111.30	67.01	20.36	59.00
38°	3.55	112.80	69.48	21.30	60.45
39°	2.04	114.40	72.01	22.29	61.96
40°	0.47	116.00	74.62	23.34	63.53
41°	-1.16	117.80	77.31	24.46	65.16
42°	-2.85	119.60	80.07	25.64	66.85
43°	-4.61	121.50	82.93	26.89	68.61
44°	-6.44	123.60	85.88	28.21	70.43
45°	-8.34	125.70	88.93	29.61	72.34

TO FIND STRIKETHROUGH POINT

PROJECTION

×

TAN (PITCH)

+

EAVES HEIGHT

FOR OVERALL
HEIGHT

+

DIM W

FOR INTERNAL
HEIGHT

-

DIM Z

TRANSOM GLAZING BARS

BAR ONLY

25MM GLAZING ONLY

35MM GLAZING ONLY

ALUMINIUM

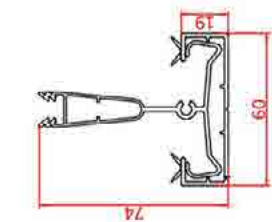
Dome PVC 25mm
glazing only

Bevel PVC 25mm
glazing only

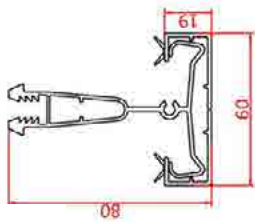
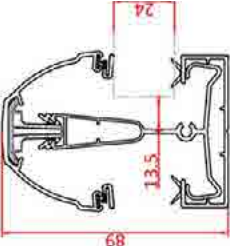
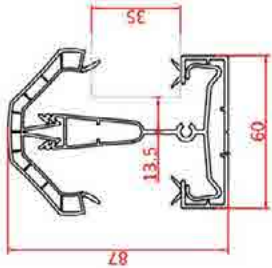
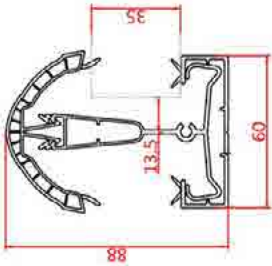
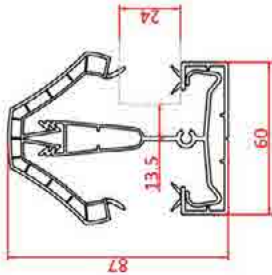
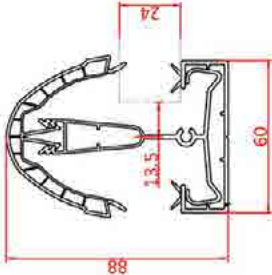
Dome PVC 35mm
glazing only

Bevel PVC 35mm
glazing only

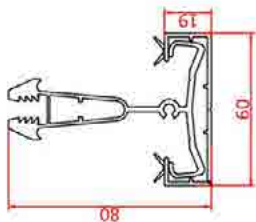
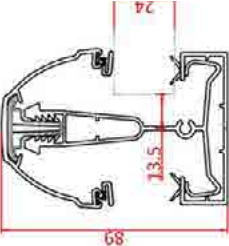
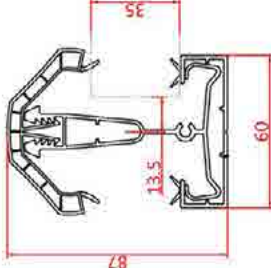
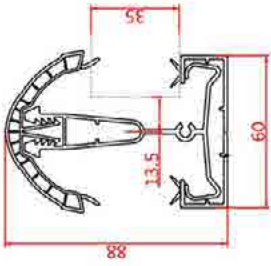
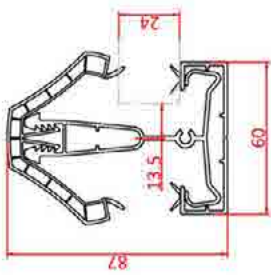
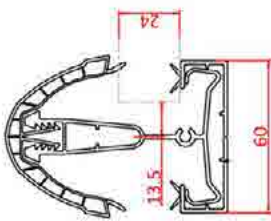
Aluminium 25mm
glazing only



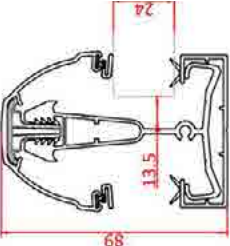
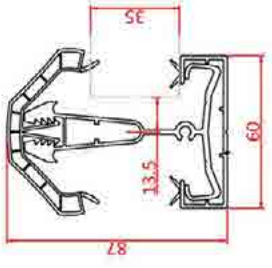
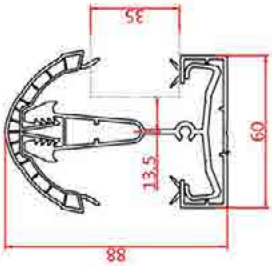
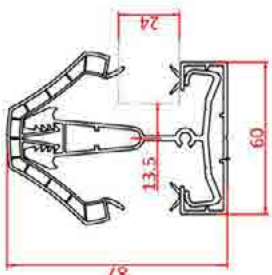
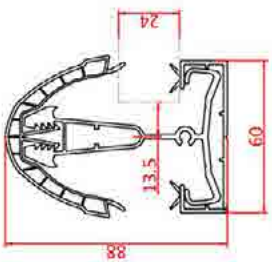
LIGHT
BAR



MED
BAR



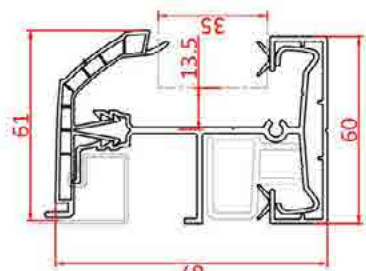
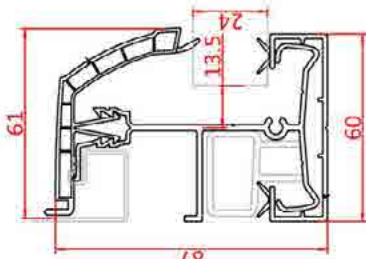
HEAVY
BAR



STARTER AND GABLE GLAZING BARS

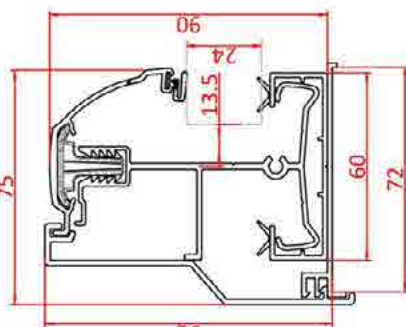
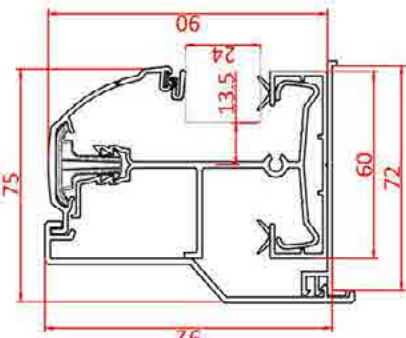
STARTER BARS 25/35MM

Starter Bars - PVC 25 and 35mm

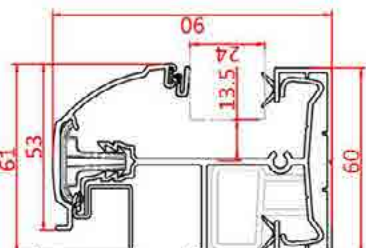


25MM ALUMINIUM OPTIONS

Gable Bars - Aluminium 25mm only

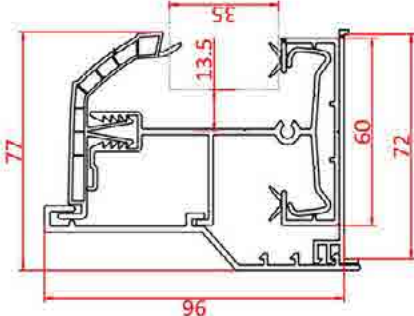
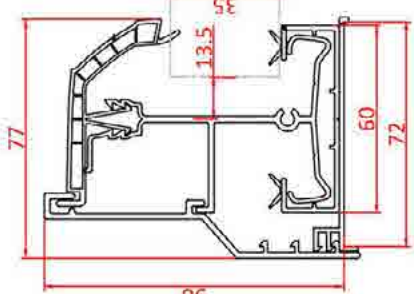
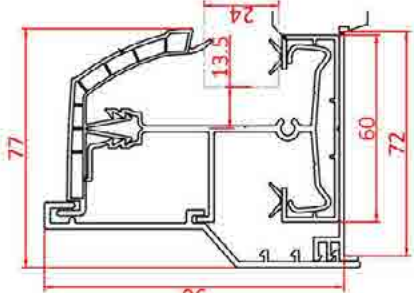
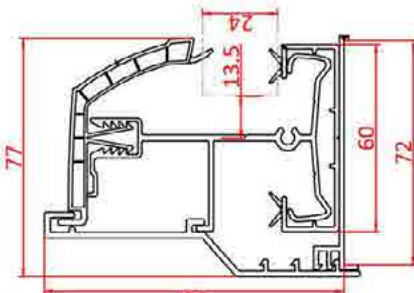


Starter Bar - Ali



GABLE DESIGN STARTER BARS 25/35MM

Gable Bars - PVC - 25 and 35mm glazing



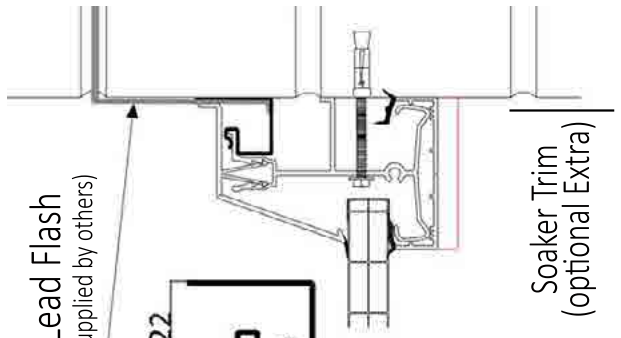
SOAKER TRIM

Lead Flash

(Supplied by others)



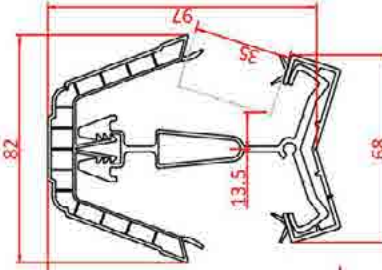
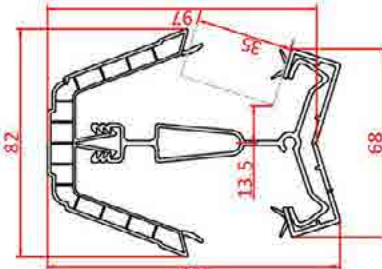
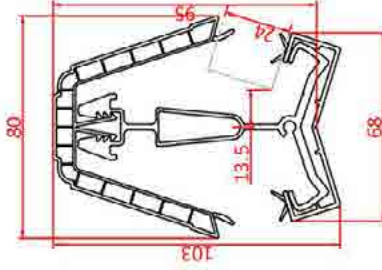
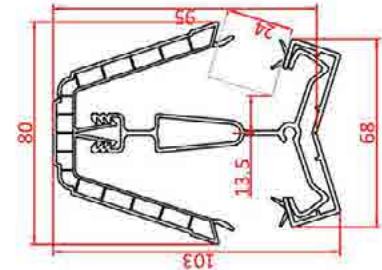
Soaker Trim
(optional Extra)



HIP GLAZING BARS AND SUPER BOLSTERS

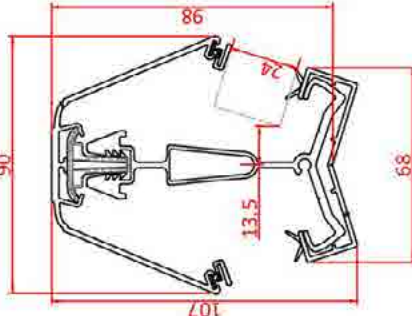
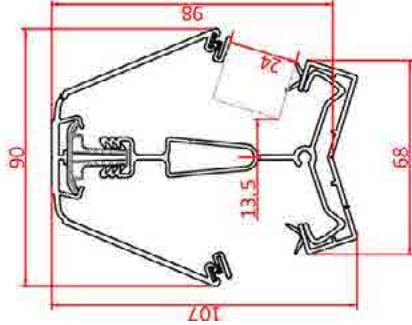
GEORGIAN HIP BARS 25/35MM

Georgian Hip Bars - PVC 25 and 35mm glazing



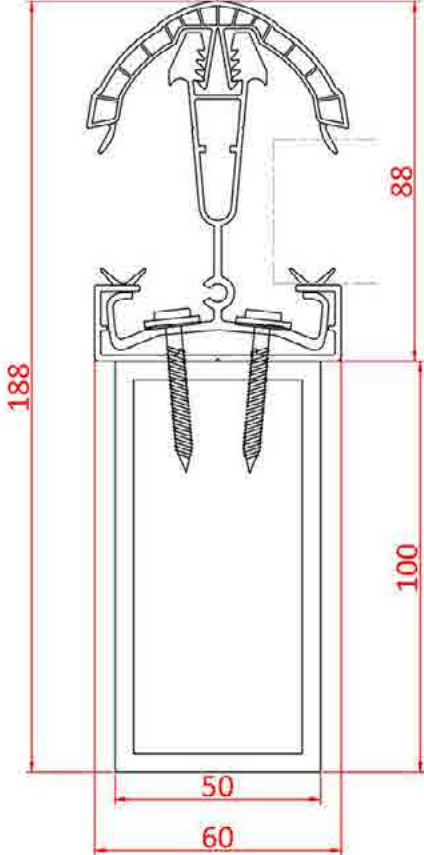
25MM ALUMINIUM OPTIONS

Georgian Hip Bars - Aluminium 25mm only

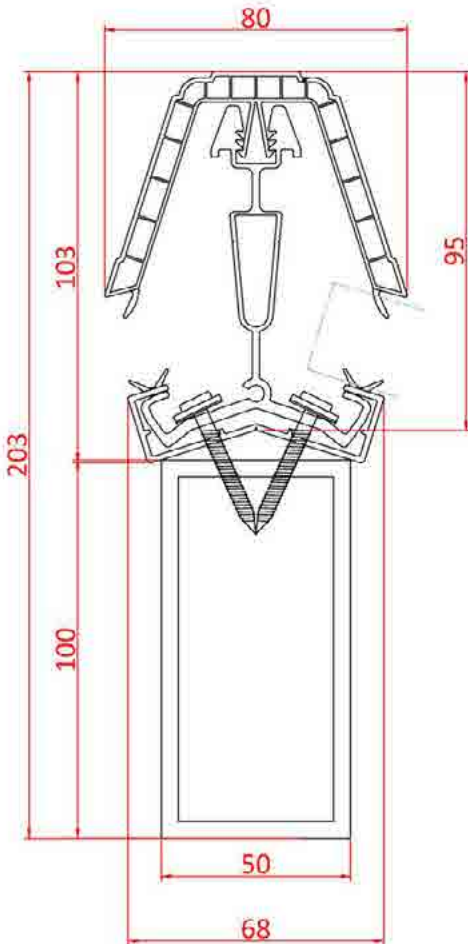


SUPER BOLSTERS

TRANSOM BAR / VICTORIAN HIPS

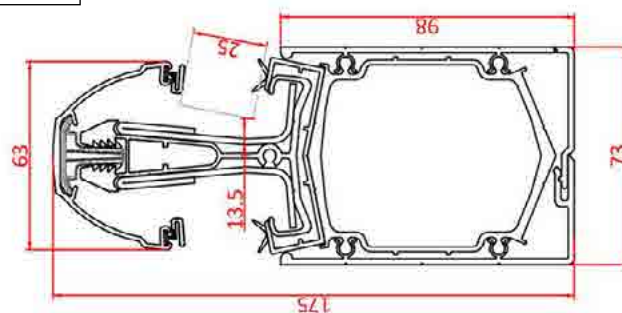
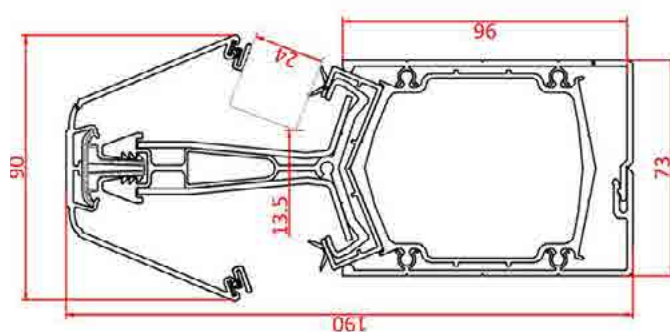


GEORGIAN HIP

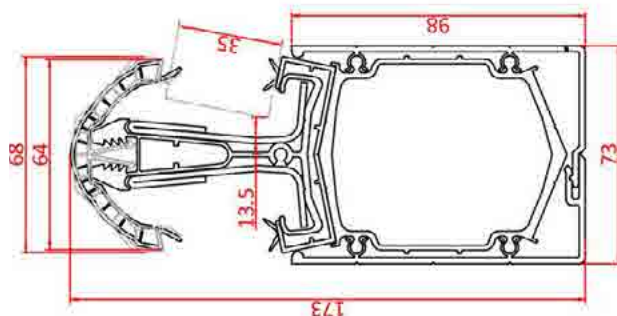
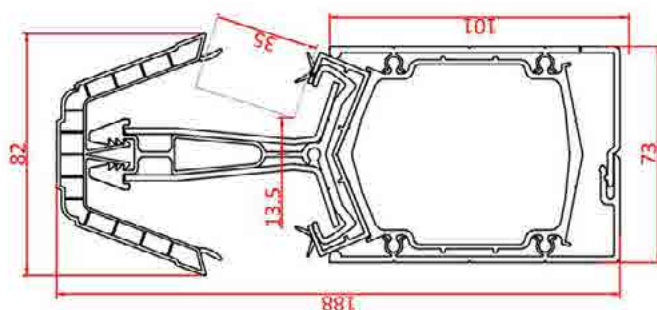


BOLSTERED GLAZING BARS

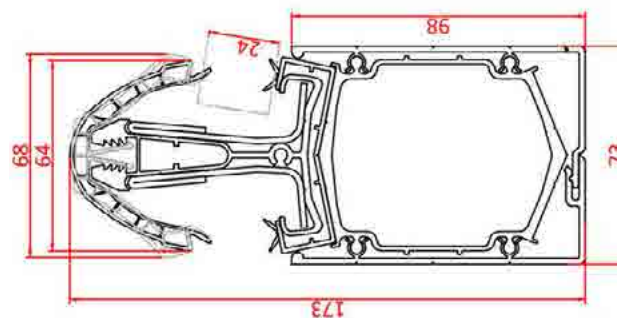
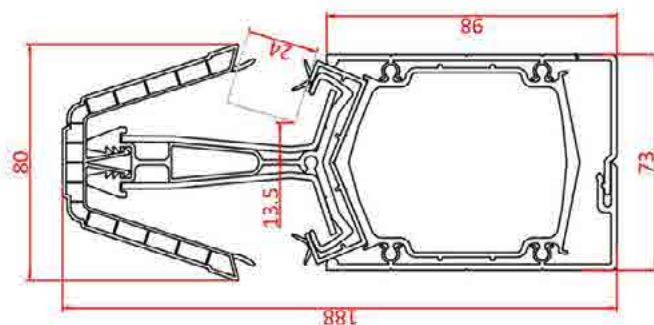
ALUMINIUM



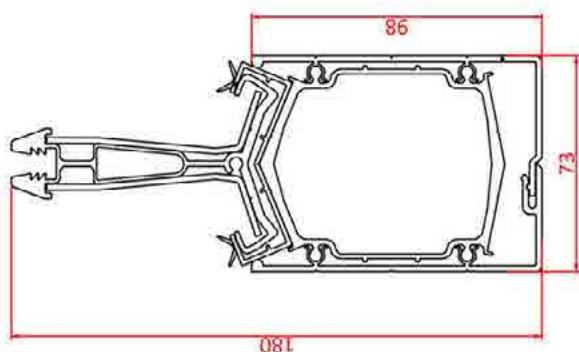
35MM



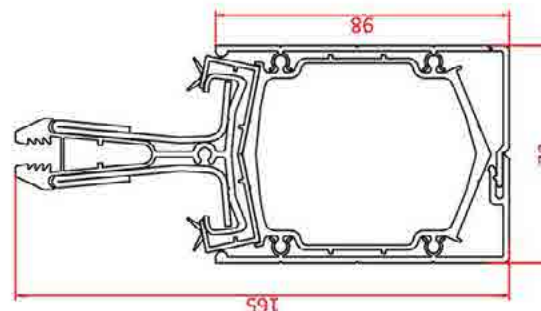
25MM



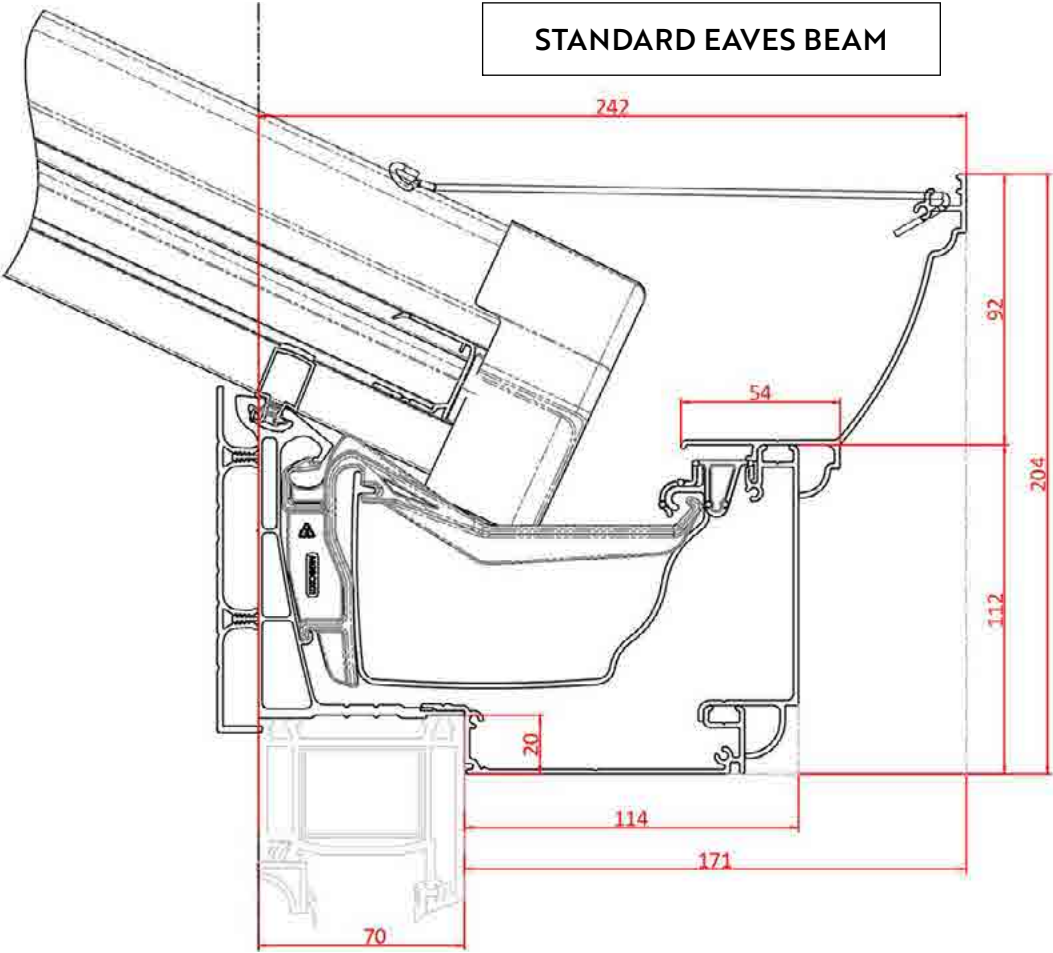
GEORGIAN HIP BAR



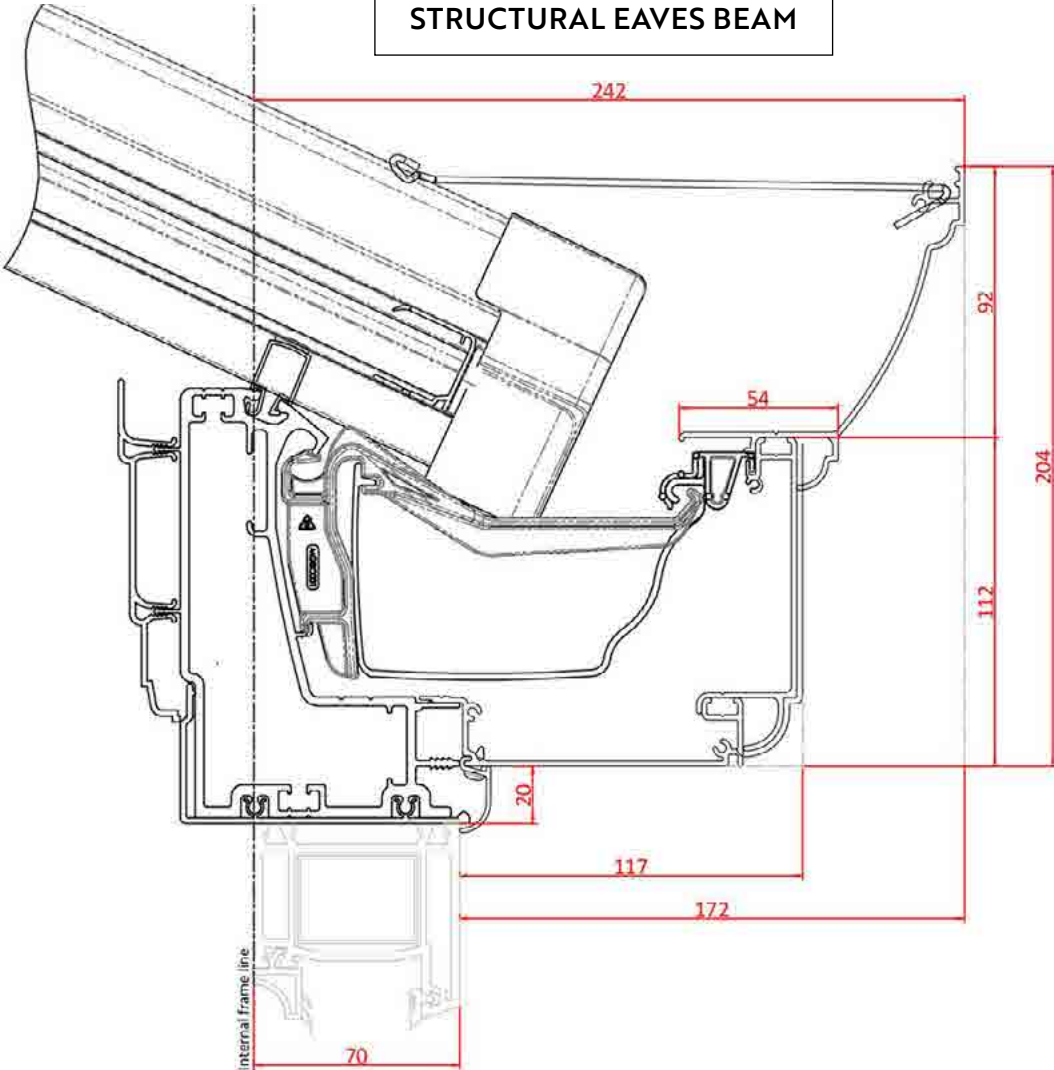
VICTORIAN HIP BAR



STANDARD EAVES BEAM

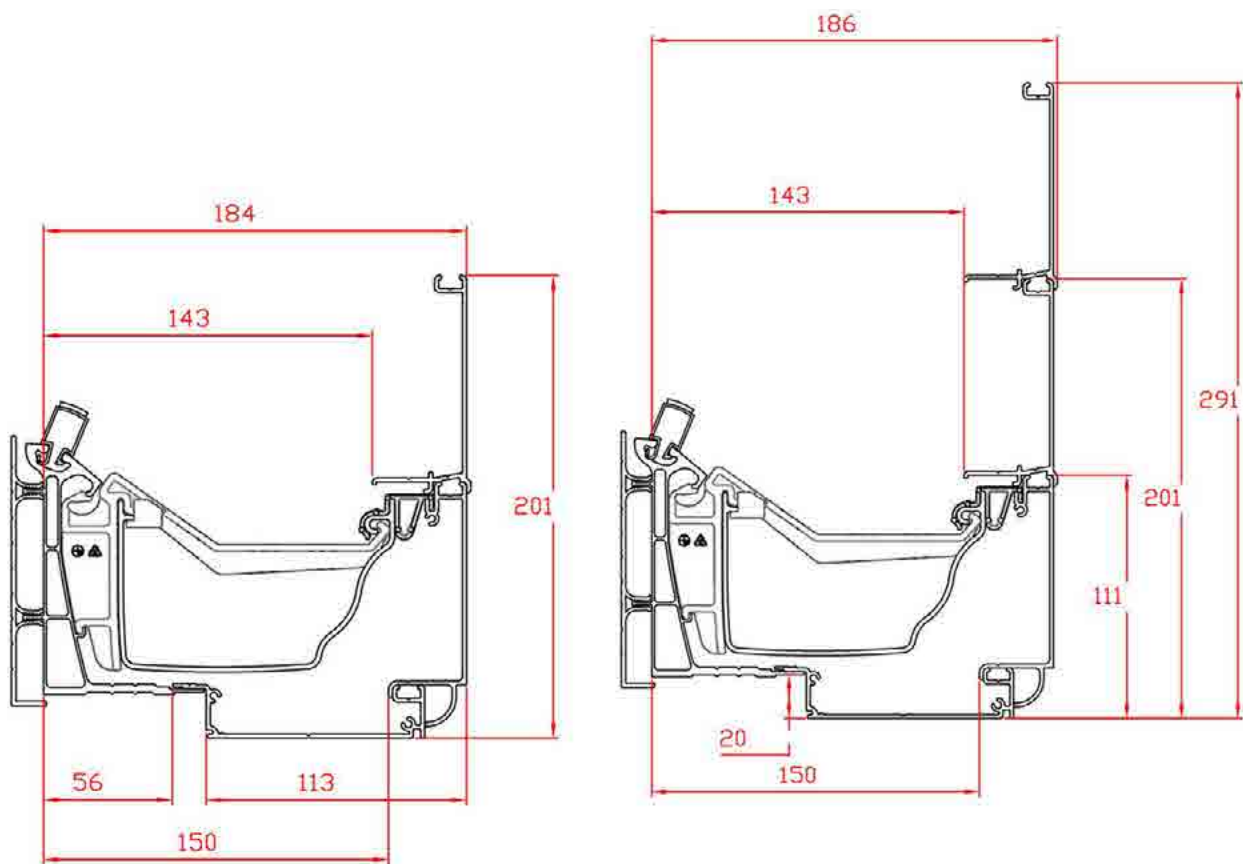


STRUCTURAL EAVES BEAM

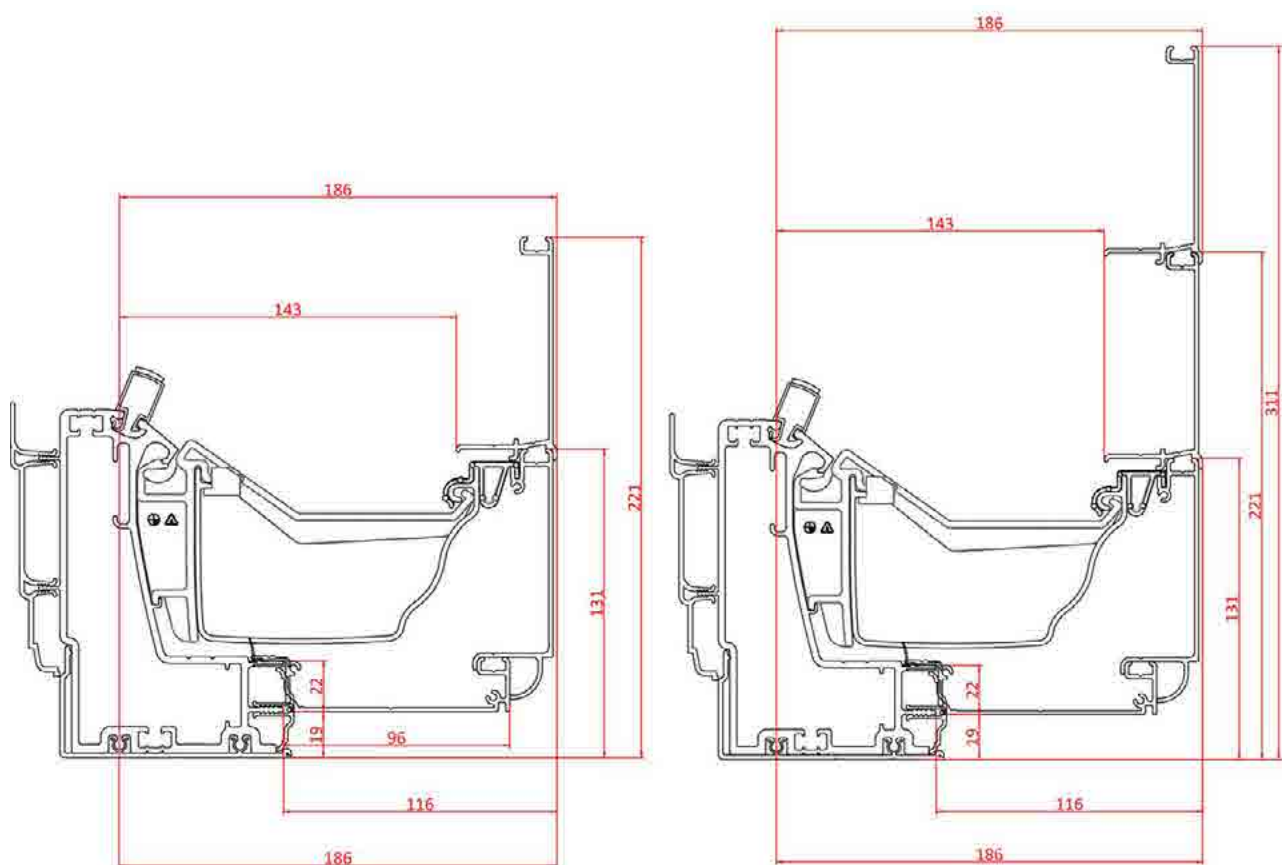


CORNICE

TWO-TIER STANDARD EAVES BEAM



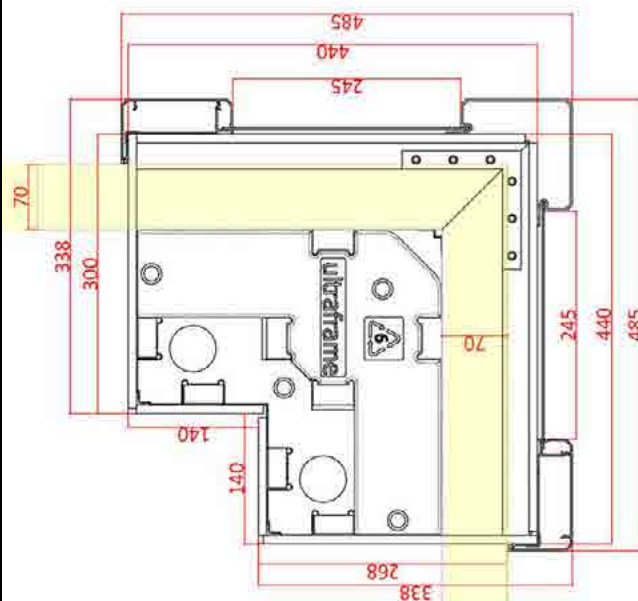
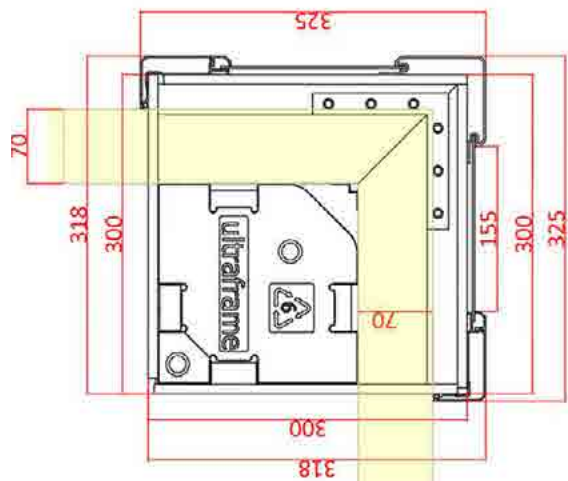
THREE-TIER STRUCTURAL EAVES BEAM



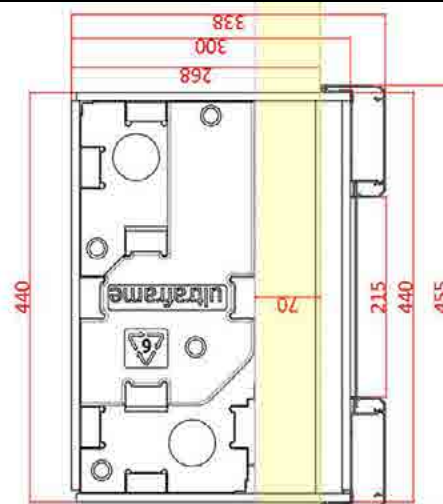
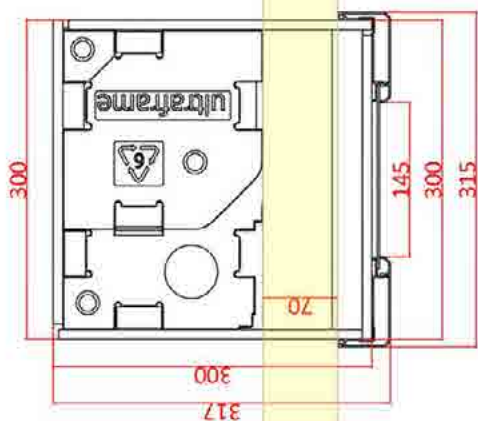
SMALL

LARGE

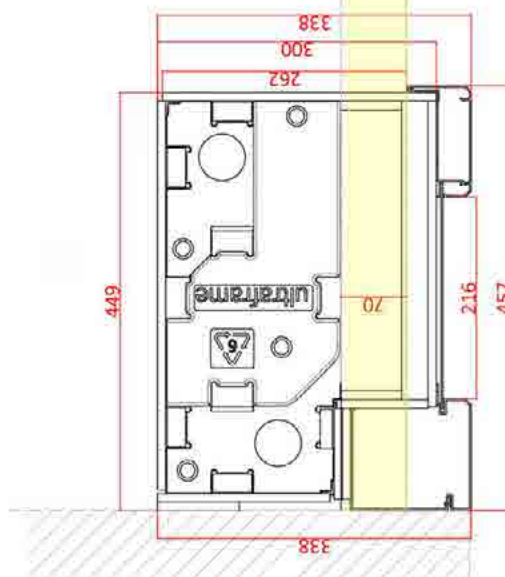
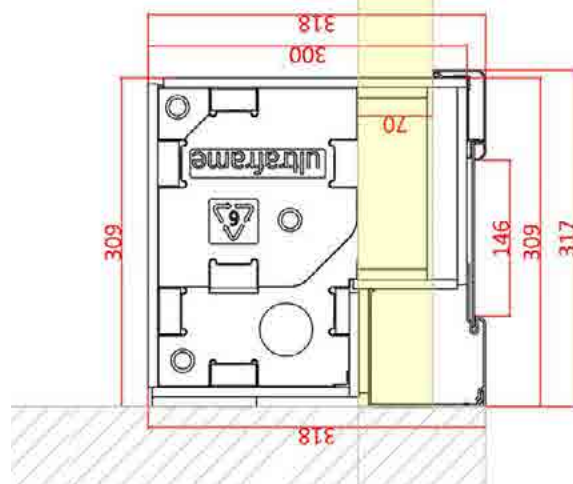
90° CORNER

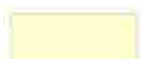


INLINE



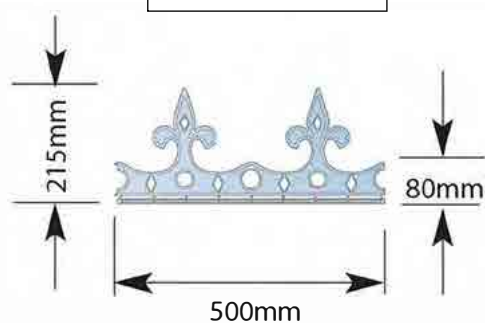
ABUTMENT



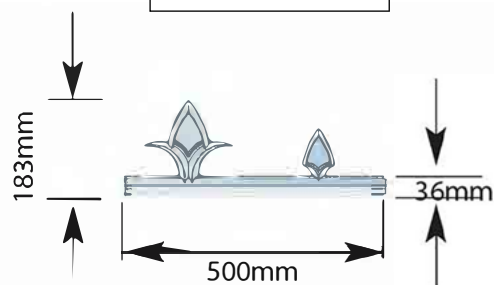
 Eaves Beam

FINIALS AND CRESTING

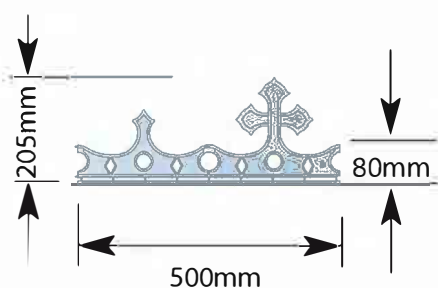
ELIZABETHAN



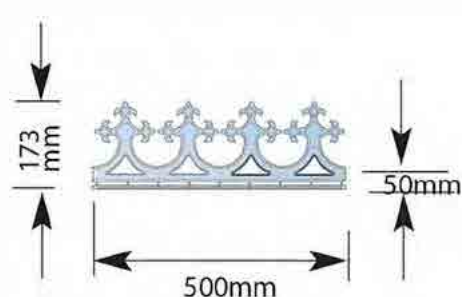
RENAISSANCE



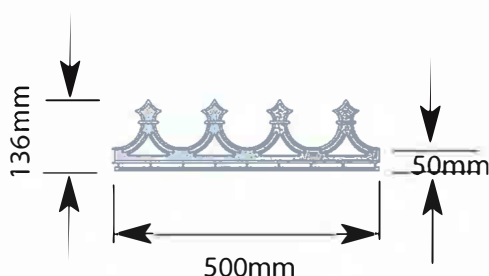
CLASSIC



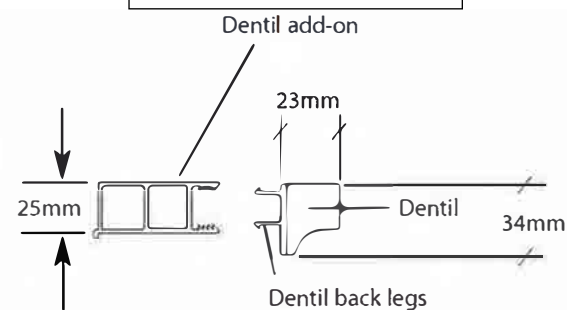
BAROQUE



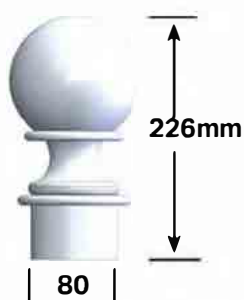
TUDOR



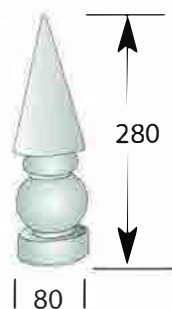
DENTIL MOULDINGS



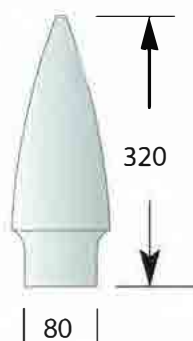
BALL



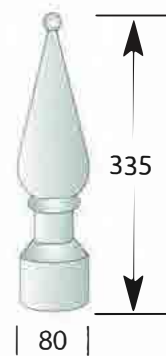
CORONET



PIKESTAFF



SCEPTRE

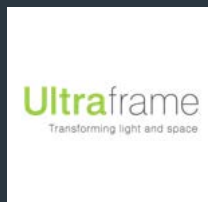


CLASSIC





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MASTER MANUFACTURERS