A GUIDE TO SURVEYING FOR A CONSERVATORY INSTALLATION

The process of surveying for conservatories is vastly different to that of surveying for window installations and great care must be taken to avoid potential problems and additional costs when the installer arrives on site.

Any potential problems or obstructions must be considered in three dimensions, both above and below. Take note of all above ground drainage such as manholes, rainwater pipes, soil pipes and gullies and attempt to ascertain from these the route of below ground drainage as any drains passing under the conservatory must be exposed and encased in 150mm of concrete.

Another area to consider is that of ventilation both to habitable rooms and under suspended timber floors. Any underfloor ventilation must be maintained as this is necessary to prevent rotting of structural timbers. This can be easily achieved by the use of 100mm dia pipes encased in the conservatory floor which provide an air duct to the original vents. Building over openings which provide the only ventilation to habitable rooms or most especially bathrooms and kitchens not only contravenes the Building Regulations but will lead to increased condensation within the building and consideration must be given to the provision of additional ventilation.

Height obstructions such as first floor windows, soffits and overhead telephone wires are fairly obvious considerations but there are other heights and levels which must be taken into account, particularly floor levels and ground levels if the building work is to be priced accurately from the survey.

After carrying out the survey to the area where the conservatory is to be installed, it is then necessary to familiarise yourself with the rest of the site and its surroundings.

Firstly, are there any mature trees on site. It may be that the tree trunk is sited some distance from the proposed conservatory but take note of the branch spread as it is likely that the root spread will be of a similar size, possibly causing problems with the foundation excavation. It should be noted that it is necessary to apply for planning permission should any trees need to be felled.

The second consideration should be that of access, particularly if a large amount of building work is required. The labour cost will obviously be higher if all materials need to be manhandled through narrow openings in small quantities.

Lastly, it is prudent to check whether planning consent or building regulation approval is required so that an application can be made in good time. whilst on site the surveyor should check to see whether the house has been previously extended and the size of such extensions as well as the relationship of the conservatory to the boundaries and highways so that the information can be compared with the requirements given in the "Planning and Building Regulations" Section of this manual.

BASIC TRIGONOMETRY CALCULATIONS
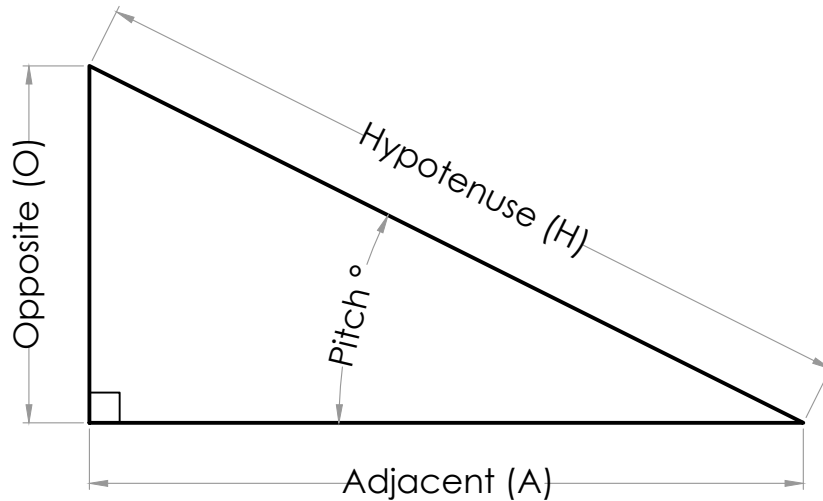
$$O = A \times \tan P$$
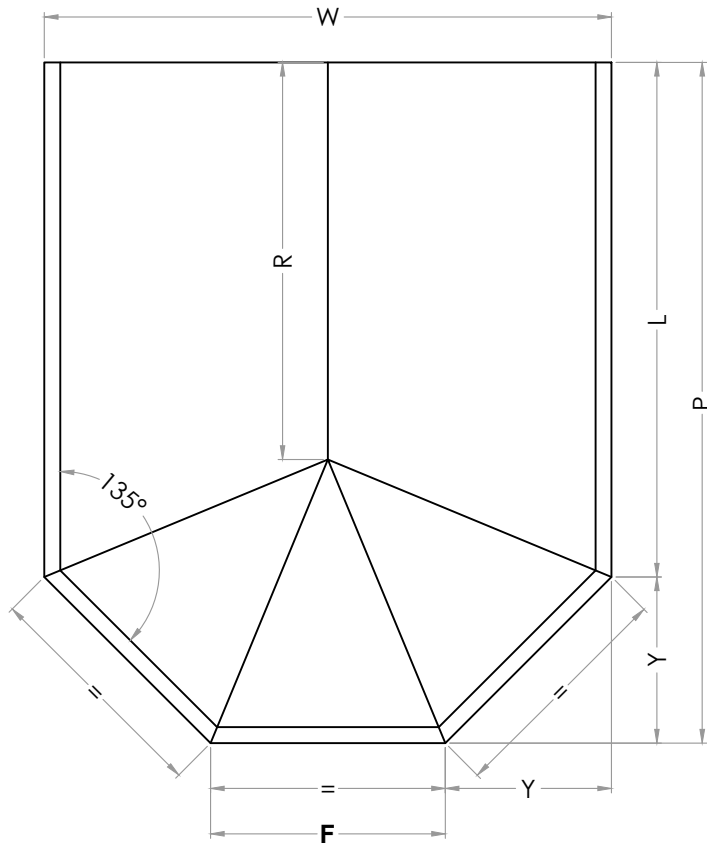$$A = O \div \tan P$$

$$O = H \times \sin P$$
$$H = O \div \sin P$$

$$A = H \times \cos P$$
$$H = A \div \cos P$$

DO NOT SCALE FROM THIS DRAWING

01

GARNER ALUMINIUM EXTRUSIONS LTD
Denby Hall Business Park, Denby, Derbyshire DE5 8LE

Version 1.0

BASIC TRIGONOMETRY CALCULATIONS

W   Width
P   Projection (overall)
F   Facet Width
L   Return
R   Ridge
X   Facet Width (to be determined)

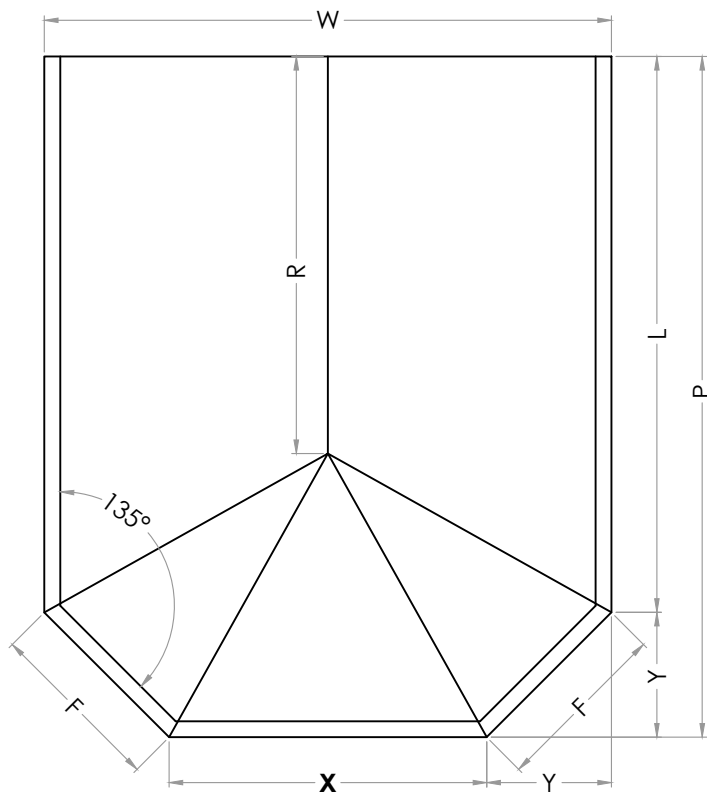**135° Facet Angles**

$F = W \div 2.4142$

$Y = F \div 1.4142$

$L = P - Y$

135° Facet Angles

$Y = \dfrac{W - X}{2}$

$F = Y \times 1.4142$

$L = P - Y$

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SHEERLINE
CONSERVATORY ROOF SYSTEM

BASIC TRIGONOMETRY CALCULATIONS

W — Width
P — Projection (overall)
F — Facet Width
L — Return
R — Ridge
X — Facet Width (to be determined)
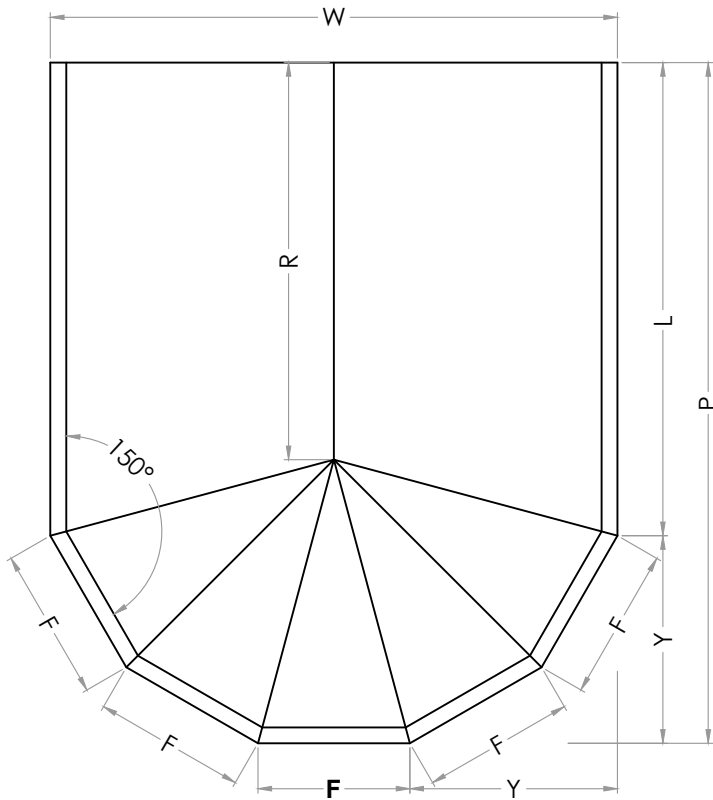
150° Facet Angles (equal Facets)

$F = W \div 2.679$

$Y = W \times 0.36575$
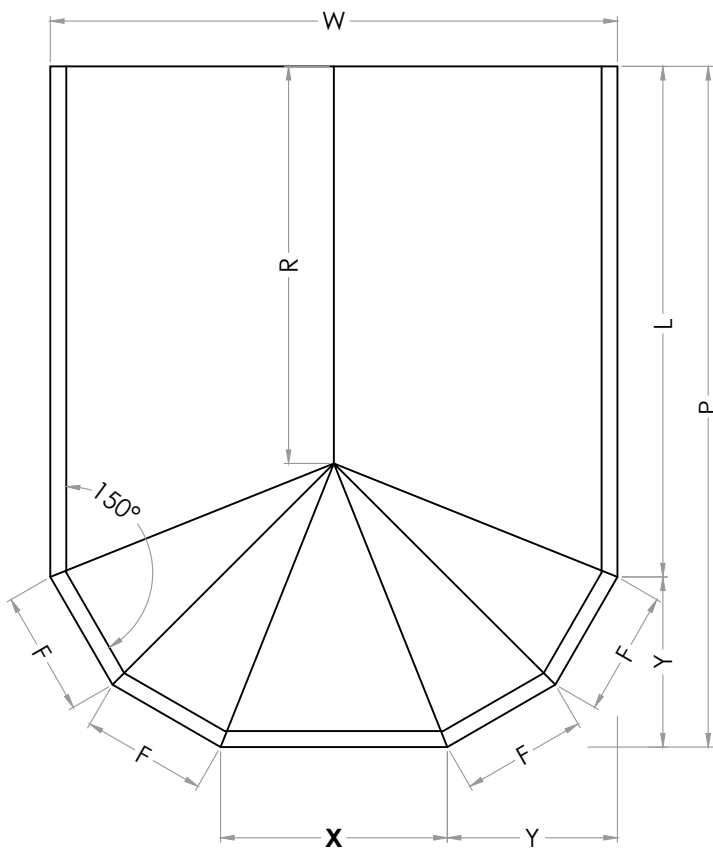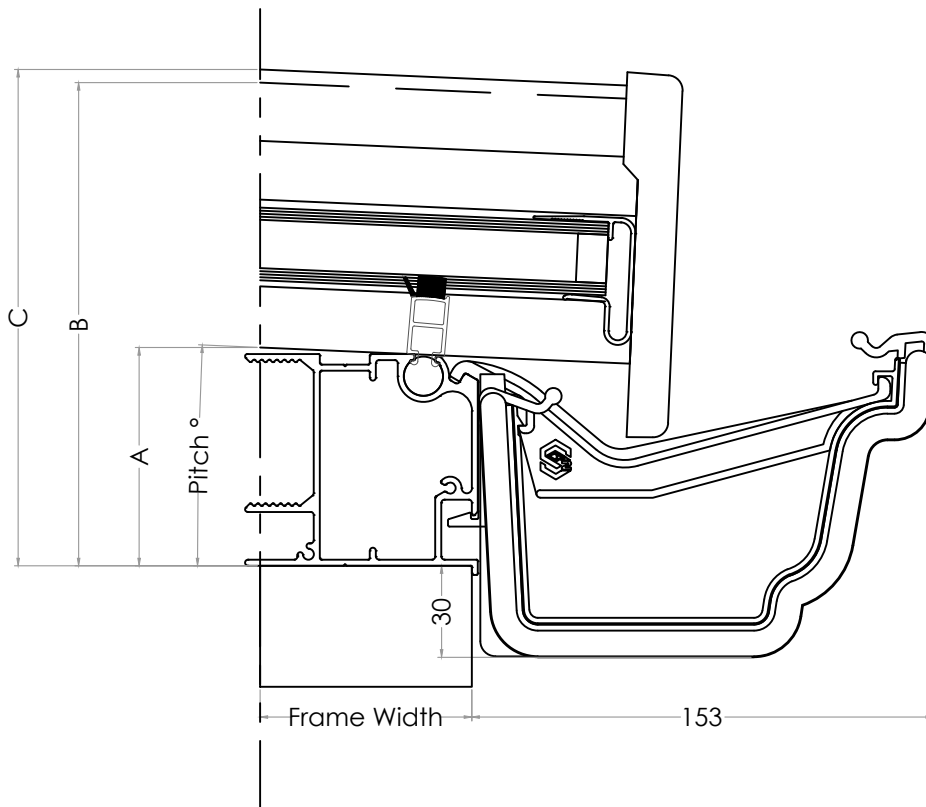
$L = P - Y$

150° Facet Angles (Unequal Facets)

$Y = \dfrac{W - X}{2}$

$F = Y \times 0.7325$

$L = P - Y$

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03

GARNALEX
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SHEERLINE®
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Version 1.0

LOW PITCH EAVES BEAM

60mm Frames

Pitch	A	B	C
2.5°	72	159	164
5°	74	161	166
7.5°	76	164	169
10°	78	167	171

65mm Frames

Pitch	A	B	C
2.5°	72	160	164
5°	74	162	166
7.5°	76	165	169
10°	79	168	172

70mm Frames

Pitch	A	B	C
2.5°	72	160	164
5°	74	162	167
7.5°	77	165	170
10°	80	168	173

Frame Width — 153 — 30

A = Underside of Eaves Beam to underside of Glazing Bar
B = Underside of Eaves Beam to Top of Glazing Bar Top Cap (Single Wall)
C = Underside of Eaves Beam to Top of Glazing Bar Top Cap (Chambered)

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SHEERLINE
CONSERVATORY ROOF SYSTEM

Version 1.0
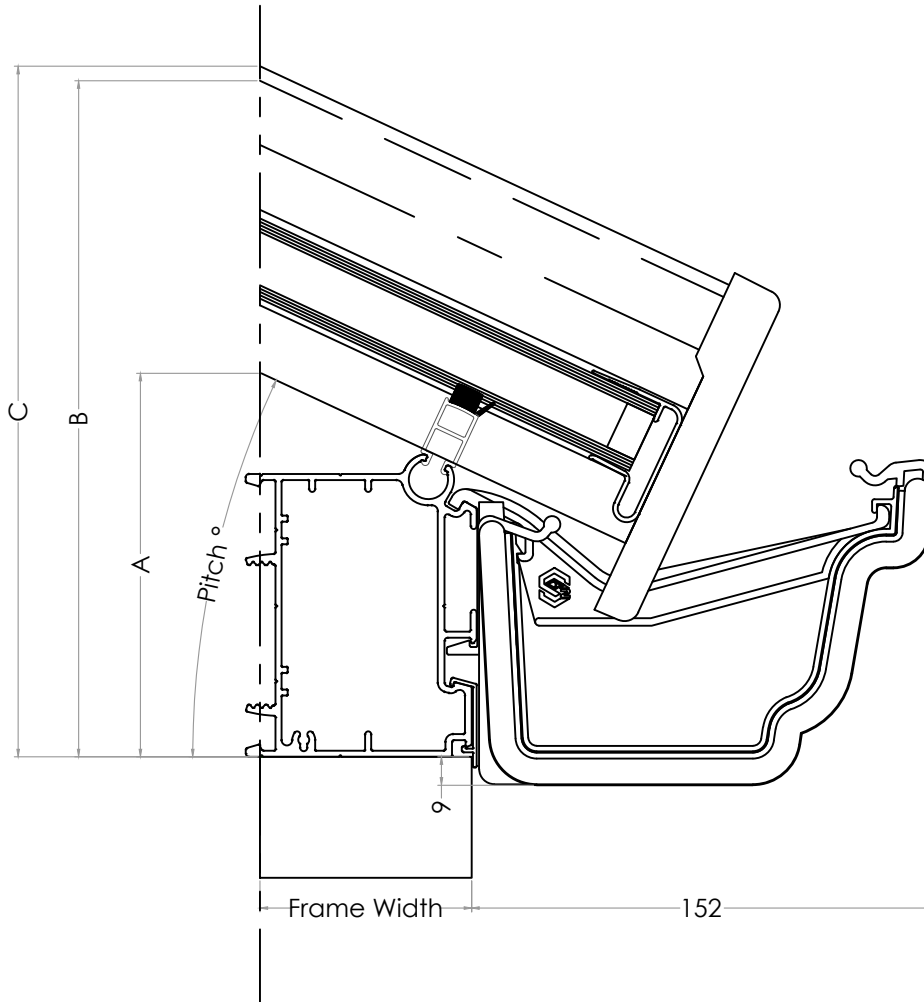
60mm Frames

Pitch	A	B	C
5°	104	192	196
10°	108	197	201
15°	112	202	207
20°	116	209	214
25°	121	217	222
30°	127	228	233
35°	133	240	246
37.5°	137	247	253

65mm Frames

Pitch	A	B	C
5°	104	192	197
10°	109	198	202
15°	113	204	209
20°	118	211	216
25°	123	220	225
30°	129	230	236
35°	136	243	249
37.5°	140	251	257

70mm Frames

Pitch	A	B	C
5°	105	193	197
10°	110	198	203
15°	115	205	210
20°	120	213	218
25°	125	222	227
30°	132	233	239
35°	140	247	253
37.5°	144	255	260

A = Underside of Eaves Beam to underside of Glazing Bar
B = Underside of Eaves Beam to Top of Glazing Bar Top Cap (Single Wall)
C = Underside of Eaves Beam to Top of Glazing Bar Top Cap (Chambered)

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EAVES BEAM & BOX GUTTER
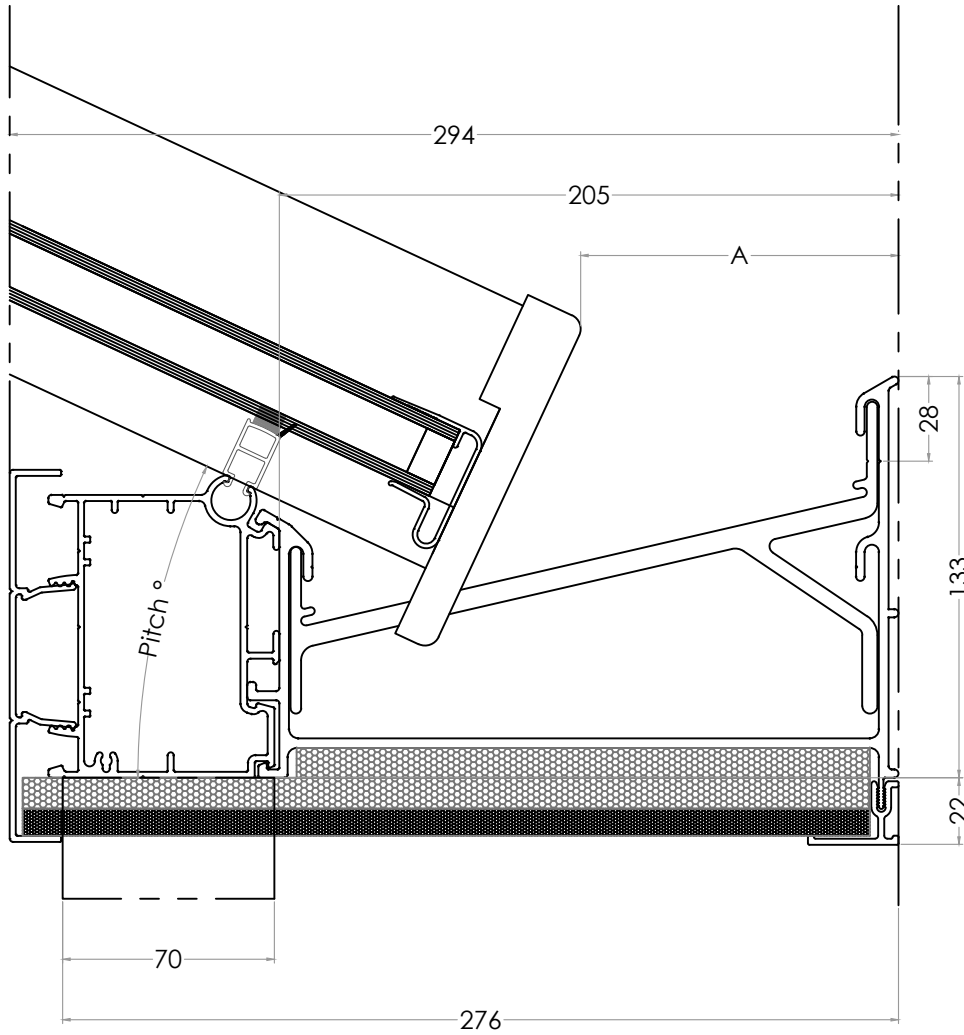
Pitch	A
5°	131
10°	123
15°	116
20°	110
25°	104
30°	99
35°	95
37.5°	93

W = Host Wall/Fascia to Glazing Bar End Cap

DO NOT SCALE FROM THIS DRAWING

06

LIGHTWEIGHT WALL PLATE
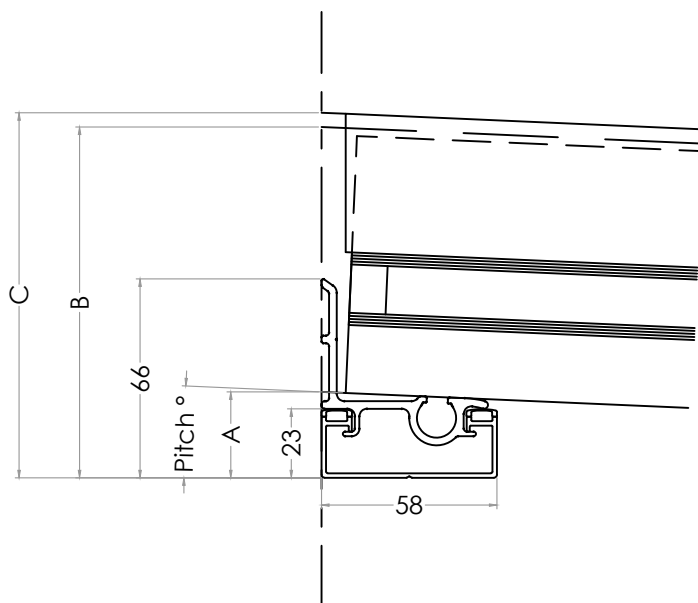
SKA-5004 Lightweight Wallplate

Pitch	A	B	C
2.5°	28	116	121
3.0°	29	116	121
3.5°	29	117	122
4.0°	30	117	122
4.5°	30	118	123
5.0°	31	118	123
6.0°	31	119	124
7.0°	32	120	125
8.0°	33	121	126
9.0°	34	123	127
10.0°	35	124	129
11.0°	36	125	130
12.0°	37	126	131
13.0°	38	128	132
14.0°	39	129	134
15.0°	40	130	135

A = Underside Wallplate Bottom Cap to underside of Glazing Bar
B = Underside Wallplate Bottom Cap to Glazing Bar Top Cap (Single Walled)
C = Underside Wallplate Bottom Cap to Glazing Bar Top Cap (Chambered)

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SHEERLINE
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Version 1.0

FIXED PITCH WALL PLATES
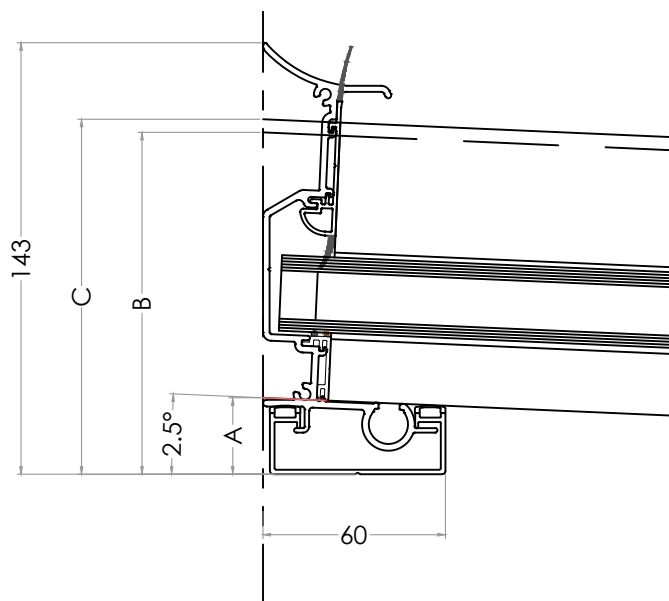
SKA-5039 2.5° Fixed Pitch Wallplate

Pitch	A	B	C	
2.5°	25	113	118	
3.0°	26	113	118	*
3.5°	26	114	118	*
4.0°	27	115	119	*
4.5°	27	115	119	*
5.0°	27	115	120	*

* *Bottom Cloaking Trim Gasket - NO contact with underside of glazing.*

A = Underside Glazing Bar Bottom Cap to underside of Glazing Bar
B = Underside Glazing Bar Bottom Cap to Glazing Bar Top Cap (Single Walled)
C = Underside Glazing Bar Bottom Cap to Glazing Bar Top Cap (Chambered)
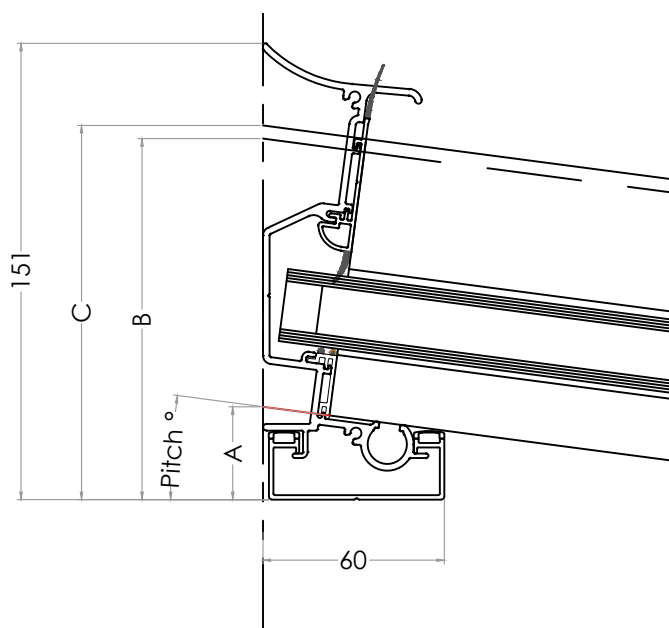
SKA-5127 5-10° Fixed Pitch Wallplate

Pitch	A	B	C	
5.0°	29	117	122	
5.5°	29	117	122	*
6.0°	30	118	122	*
6.5°	30	118	123	*
7.0°	30	119	123	*
7.5°	31	119	124	*
8.0°	31	119	124	*
8.5°	31	120	125	*
9.0°	32	120	125	*
9.5°	32	121	126	*
10.0°	32	121	126	*

* *Bottom Cloaking Trim Gasket - NO contact with underside of glazing.*

A = Underside Glazing Bar Bottom Cap to underside of Glazing Bar
B = Underside Glazing Bar Bottom Cap to Glazing Bar Top Cap (Single Walled)
C = Underside Glazing Bar Bottom Cap to Glazing Bar Top Cap (Chambered)
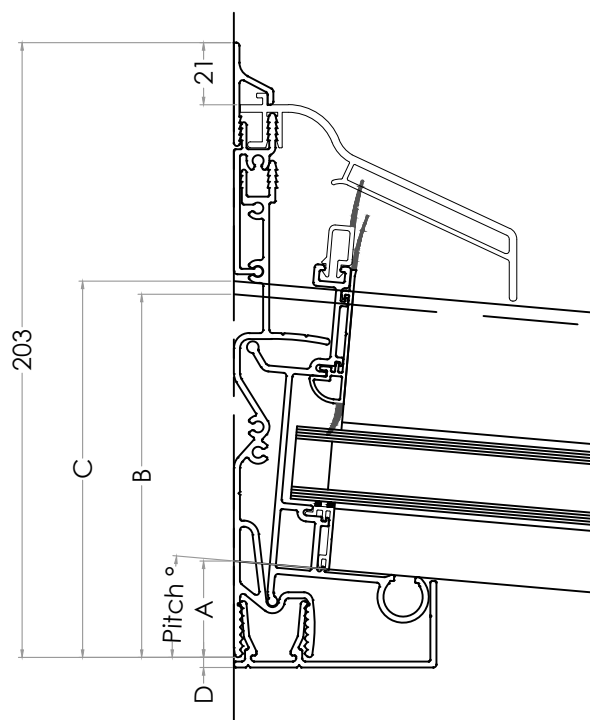
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HALF RIDGE WALL PLATES

SKA-5135 Universal Wing (5-17.5°)

Pitch	A	B	C	D	
5.0°	32	120	124	3	* SKP-6073
10.0°	33	122	127	8	* SKP-6073
15.0°	34	125	130	3	* SKP-6072
17.5°	35	127	132	3	* SKP-6072

*   Half Ridge Wallplate Undercladding

A = Underside Wallplate to underside of Glazing Bar
B = Underside Wallplate to Glazing Bar Top Cap (Single Walled)
C = Underside Wallplate to Glazing Bar Top Cap (Chambered)
D = Underside Wallplate to underside of Undercladding
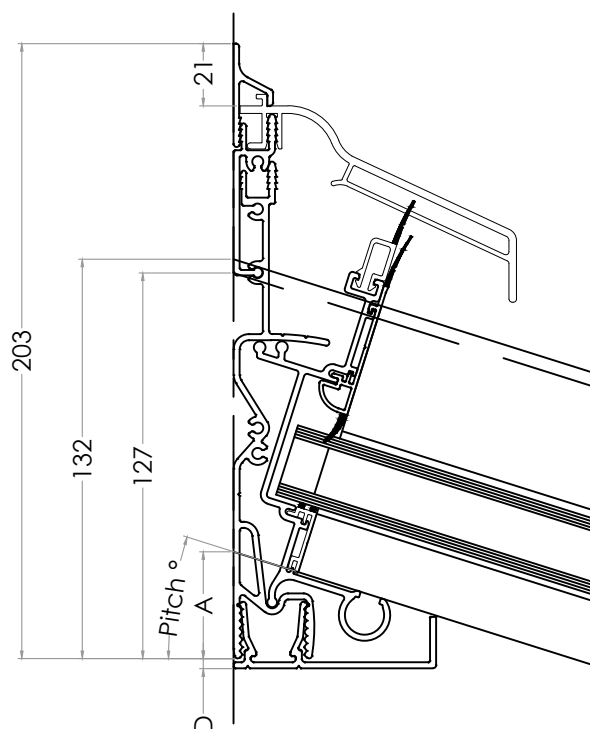
SKA-5123 Universal Wing (17.5-30°)

Pitch	A	B	C	D	
17.5°	35	127	132	3	* SKP-6072
20.0°	36	129	132	6	* SKP-6072
25.0°	38	134	139	11	* SKP-6072
30.0°	40	141	146	16	* SKP-6072

*   Half Ridge Wallplate Undercladding

A = Underside Wallplate to underside of Glazing Bar
B = Underside Wallplate to Glazing Bar Top Cap (Single Walled)
C = Underside Wallplate to Glazing Bar Top Cap (Chambered)
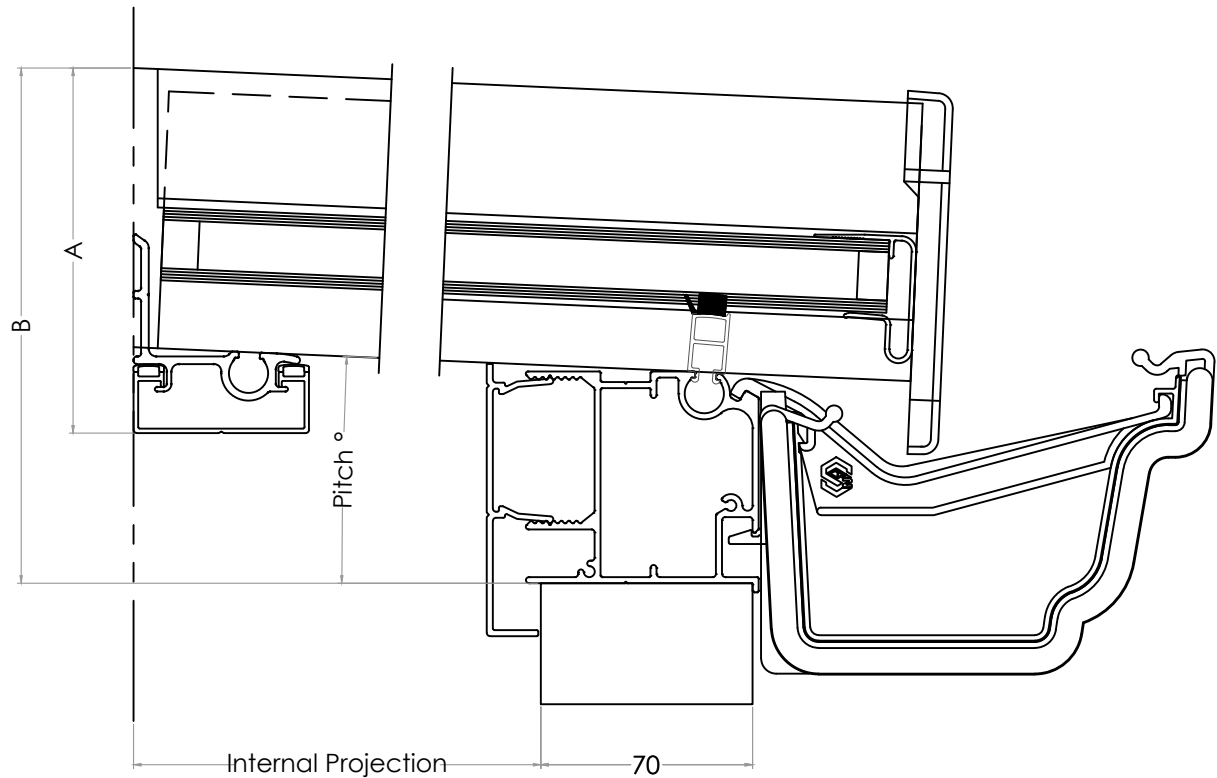D = Underside Wallplate to underside of Undercladding

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CONSERVATORY ROOF SYSTEM

Version 1.0

LIGHTWEIGHT WALL PLATE & LOW PITCH EAVES BEAM

Internal Projection ⟷ 70

Projection

Pitch	2000		2500		3000		3500		4000	
	A	**B**	**A**	**B**	**A**	**B**	**A**	**B**	**A**	**B**
2.5°	121	252	121	274	121	295	121	317	121	339
3.0°	121	270	121	296	121	322	121	348	121	375
3.5°	122	288	122	318	122	349	122	379	122	410
4.0°	122	306	122	341	122	376	122	411	122	446
4.5°	123	324	123	363	123	403	123	442	123	481
5.0°	123	342	123	386	123	429	123	473	123	517
6.0°	124	378	124	431	124	483	124	536	124	588
7.0°	125	415	125	476	125	537	125	599	125	660
8.0°	126	451	126	522	126	592	126	662	126	732
9.0°	127	488	127	567	127	646	127	726	127	805
10.0°	129	525	129	613	129	701	129	790	129	878

A= Underside of Wallplate Bottom Cap to Top of Glazing Bar Top Cap (Chambered)
B= Underside of Eaves Beam to Top of Glazing Bar Top Cap (Chambered)

Projection examples shown for quick calculation only, Bar specifiction to be checked and confirmed

DO NOT SCALE FROM THIS DRAWING
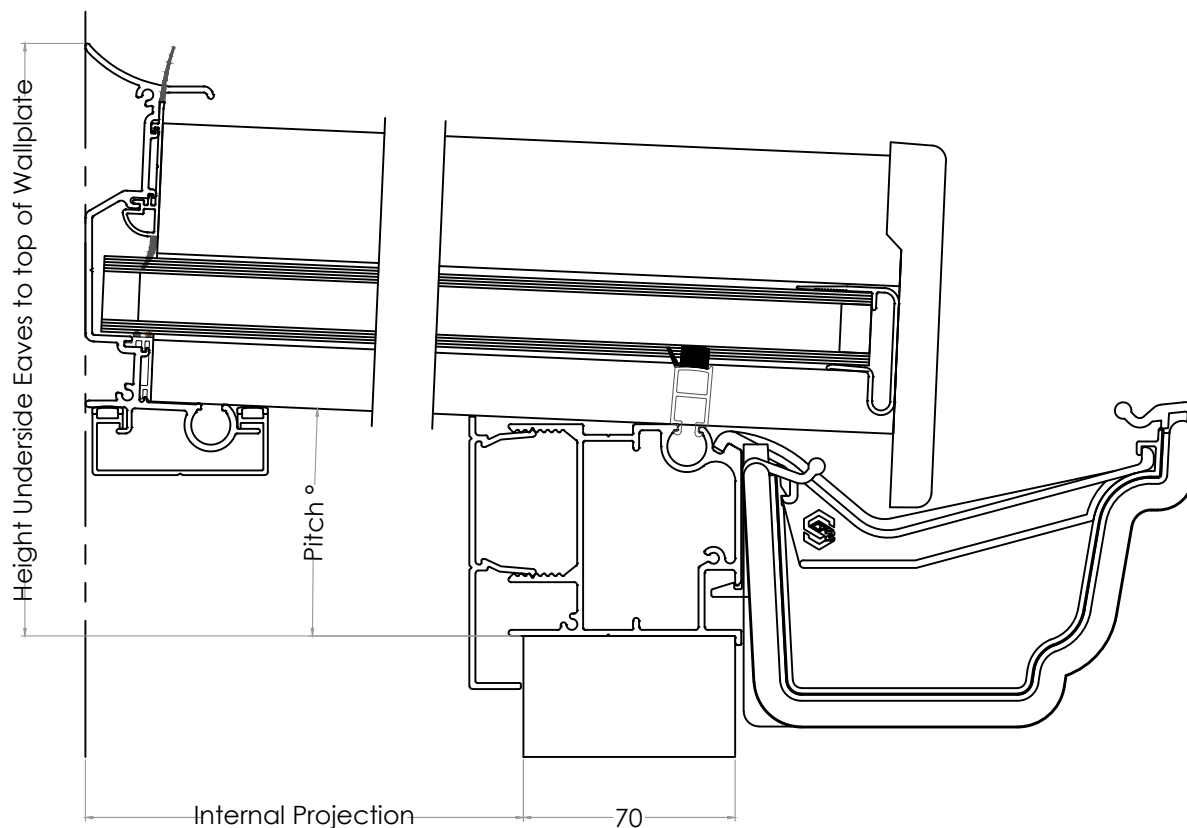
LIGHTWEIGHT WALL PLATE & EAVES BEAM

Internal Projection — 70

Projection

Pitch	2000		2500		3000		3500		4000	
	A	B	A	B	A	B	A	B	A	B
2.5°	121	282	121	304	121	326	121	347	121	369
3.0°	121	300	121	326	121	352	121	379	121	405
3.5°	122	318	122	349	122	379	122	410	122	440
4.0°	122	336	122	371	122	406	122	441	122	476
4.5°	123	354	123	393	123	433	123	472	123	512
5.0°	123	372	123	416	123	460	123	503	123	547
6.0°	124	409	124	461	124	514	124	566	124	619
7.0°	125	445	125	506	125	568	125	629	125	691
8.0°	126	482	126	552	126	622	126	693	126	763
9.0°	127	519	127	598	127	677	127	756	127	835
10.0°	129	556	129	644	129	732	129	820	129	908

A= Underside of Wallplate Bottom Cap to Top of Glazing Bar Top Cap (Chambered)
B= Underside of Eaves Beam to Top of Glazing Bar Top Cap (Chambered)

Projection examples shown for quick calculation only, Bar specifiction to be checked and confirmed

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SHEERLINE
CONSERVATORY ROOF SYSTEM

Version 1.0

Height Underside Eaves to top of Wallplate

Pitch °

Internal Projection

70

	Projection				
Pitch	**2000**	**2500**	**3000**	**3500**	**4000**
2.5°	277	299	321	342	364
3.0°	294	321	347	373	399
3.5°	312	343	373	404	434
4.0°	330	365	400	435	470
4.5°	347	387	426	465	505
5.0°	365	409	453	496	540

Projection examples shown for quick calculation only, Bar specifiction to be checked and confirmed

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CONSERVATORY ROOF SYSTEM

5-10° FIXED PITCH WALL PLATE & EAVES BEAM

Height Underside Eaves to top of Wallplate

Pitch °

Internal Projection

70
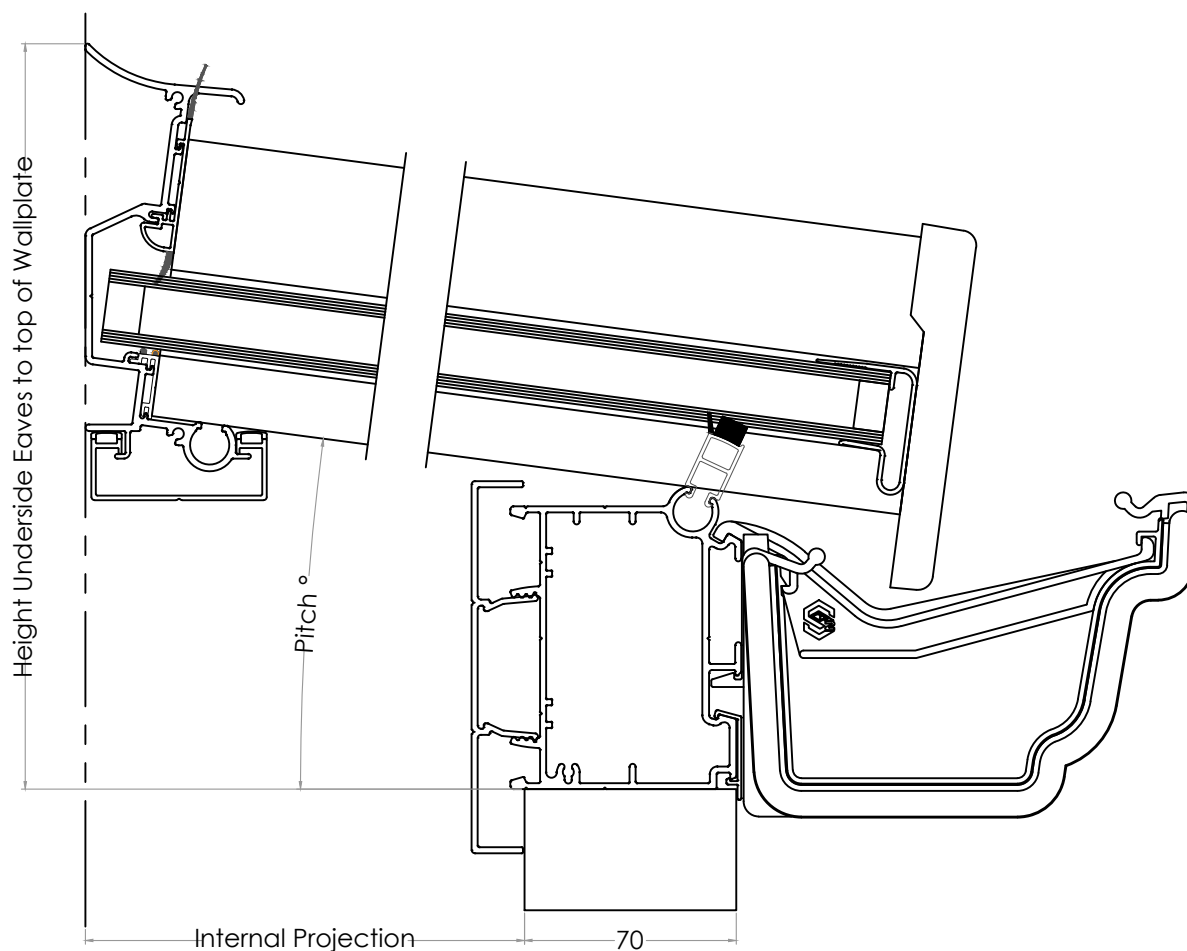
Pitch	Projection				
	2000	**2500**	**3000**	**3500**	**4000**
5.0°	402	445	489	533	577
5.5°	419	467	516	564	612
6.0°	437	490	542	595	647
6.5°	455	512	569	626	683
7.0°	473	534	595	657	718
7.5°	491	556	622	688	754
8.0°	509	579	649	719	790
8.5°	526	601	676	751	825
9.0°	544	624	703	782	861
9.5°	563	646	730	814	897
10.0°	581	669	757	845	933

Projection examples shown for quick calculation only, Bar specifiction to be checked and confirmed

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5-17.5° HALF RIDGE WALL PLATE & EAVES BEAM

Height Underside Eaves to top of Wallplate

21

Pitch °

Internal Projection

70
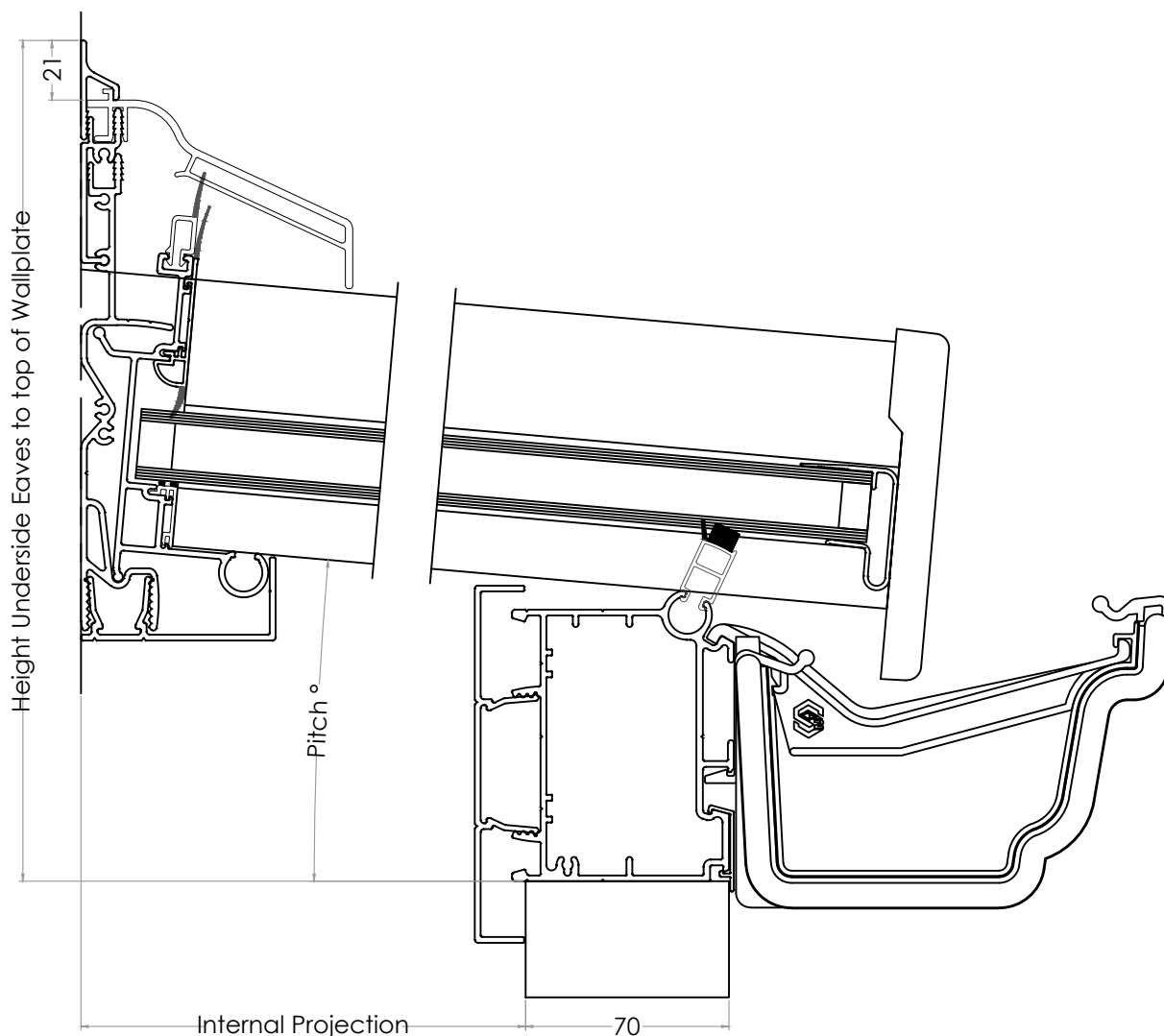
	Projection				
Pitch	**2000**	**2500**	**3000**	**3500**	**4000**
5.0°	453	497	541	585	628
10.0°	633	721	809	897	985
15.0°	819	953	1087	1221	1355
17.5°	904	1062	1220	1377	1535

Projection examples shown for quick calculation only, Bar specifiction to be checked and confirmed

Half Ridge Wallplate assembly may be different to the one shown

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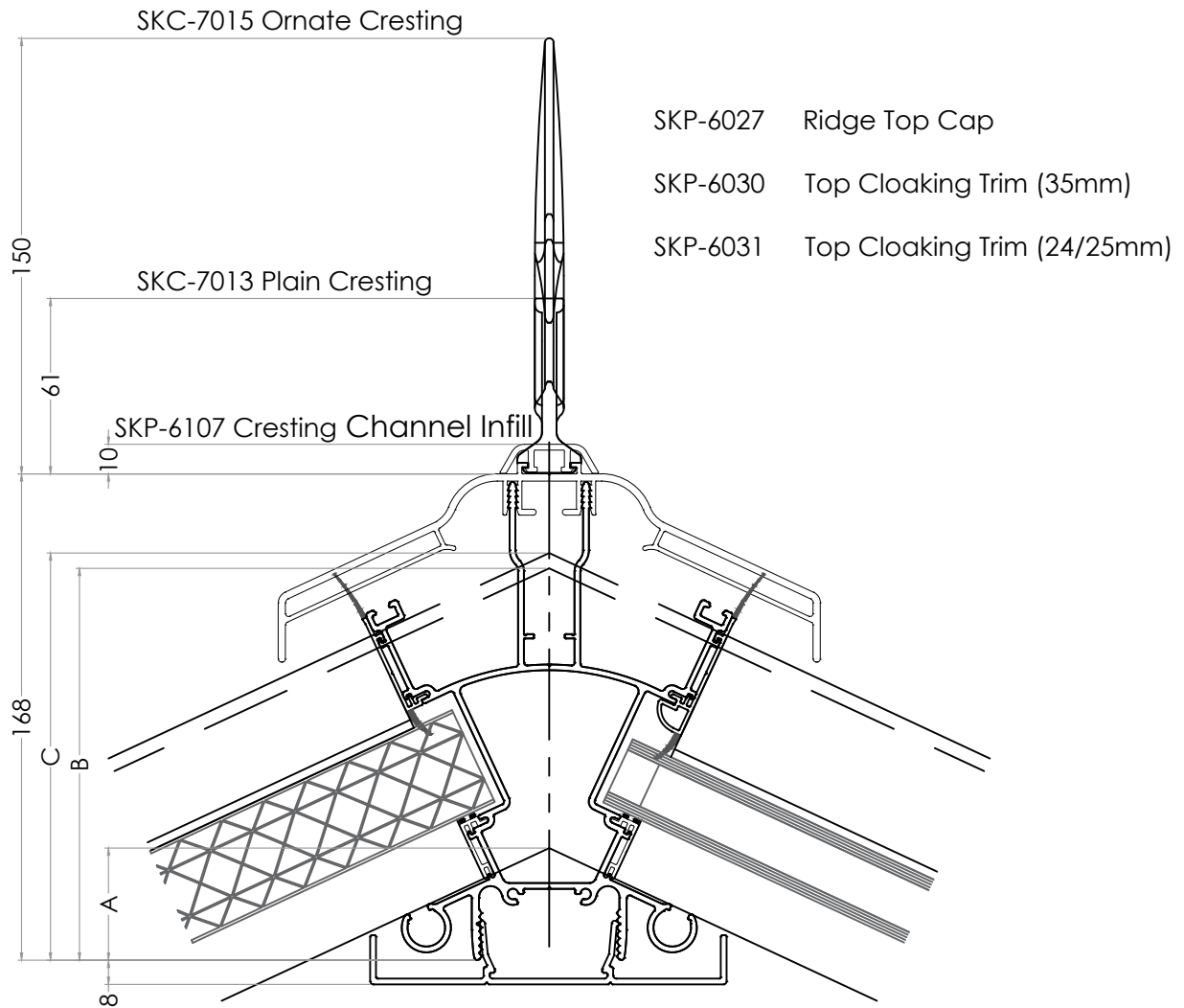
14

17.5-30° HALF RIDGE WALL PLATE & EAVES BEAM

21

Height Underside Eaves to top of Wallplate

Pitch °

Internal Projection

70
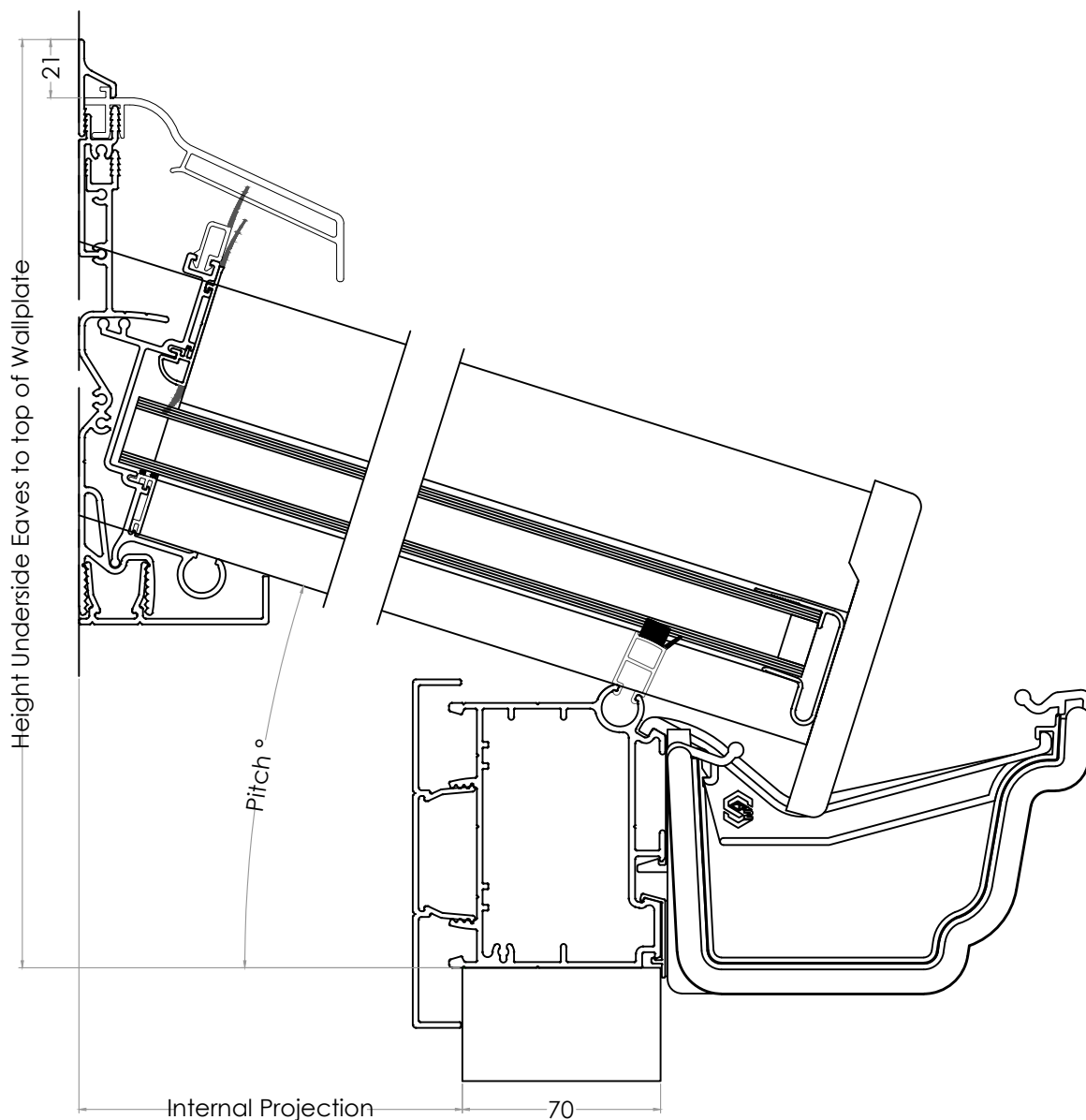
Projection

Pitch	2000	2500	3000	3500	4000
17.5°	904	1062	1220	1377	1535
20.0°	1001	1183	1365	1547	1729
25°	1208	1441	1487	1720	1953
30°	1435	1724	2012	2301	2590

Projection examples shown for quick calculation only, Bar specifiction to be checked and confirmed

Half Ridge Wallplate assembly may be different to the one shown

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SKC-7015 Ornate Cresting

SKP-6027   Ridge Top Cap

SKP-6030   Top Cloaking Trim (35mm)

SKP-6031   Top Cloaking Trim (24/25mm)

SKC-7013 Plain Cresting

SKP-6107 Cresting Channel Infill

150

61

10

168

C

B

A

8

SKA-5041 25° Fixed Pitch Ridge

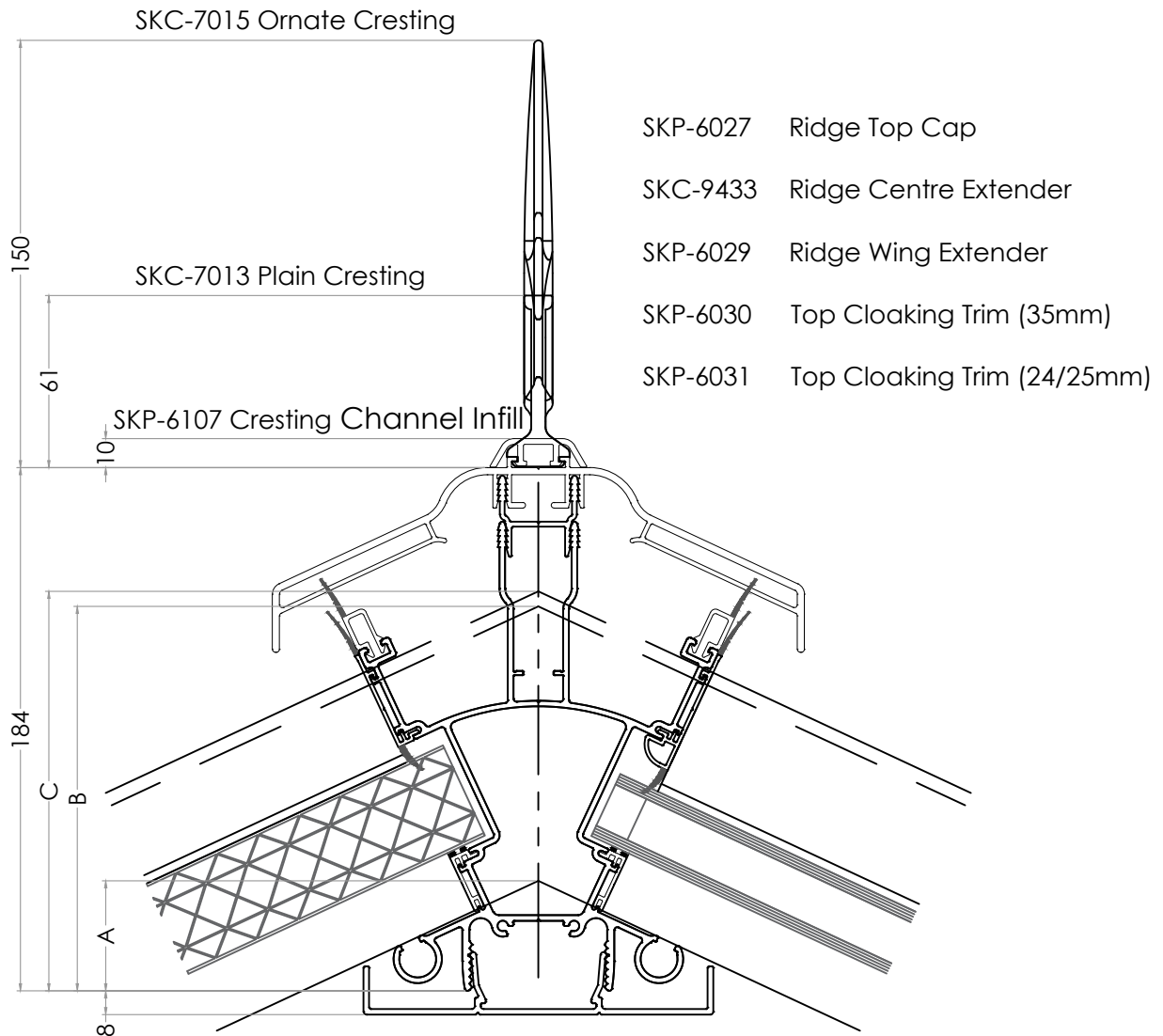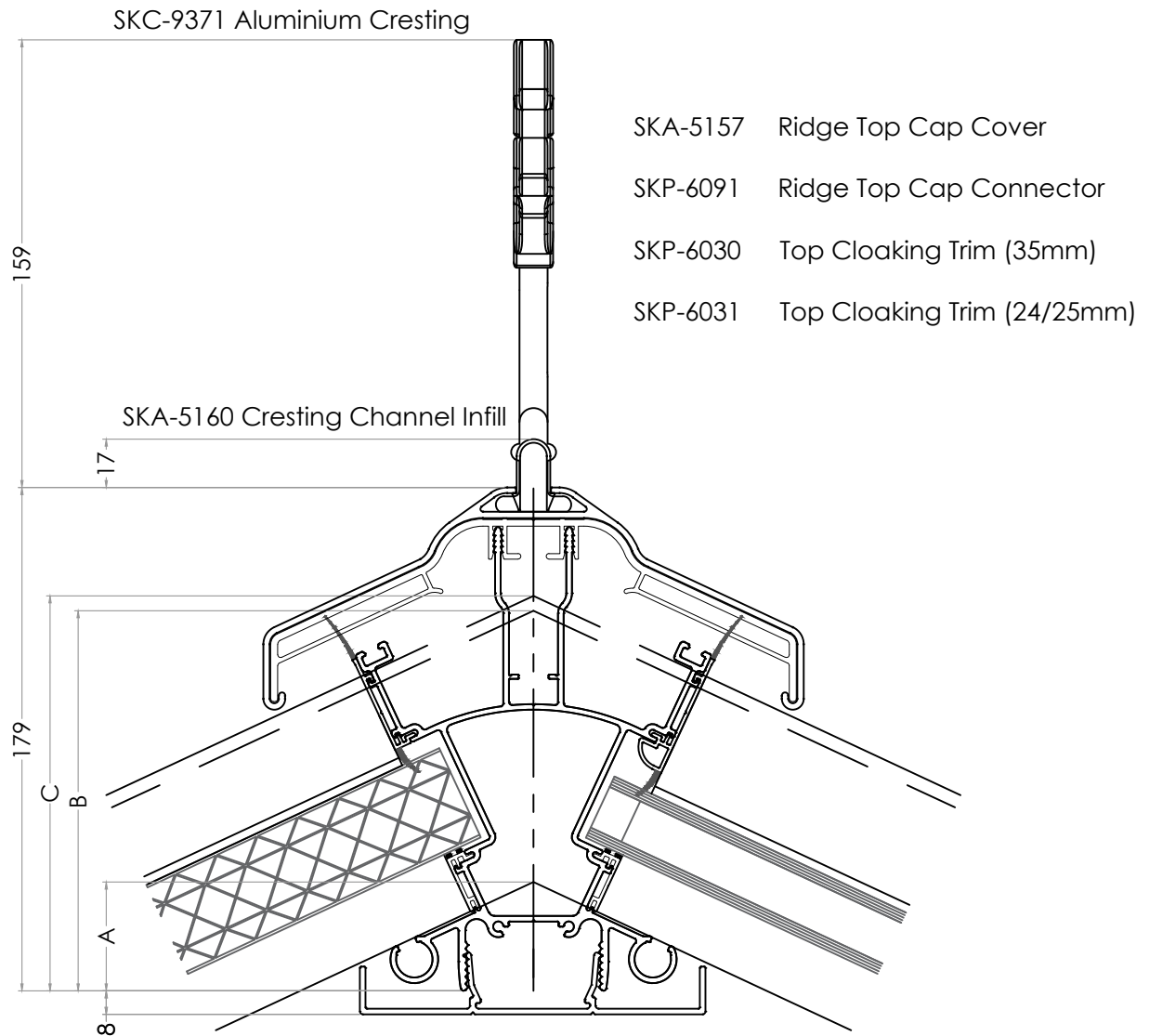| Pitch	A	B	C
25.0°	32	120	124
27.5°	33	122	127

A = Underside Wallplate to underside of Glazing Bar
B = Underside Wallplate to Glazing Bar Top Cap (Single Walled)
C = Underside Wallplate to Glazing Bar Top Cap (Chambered)

Illustration showing two glazing options:
35mm Polycarbonate
24mm Double Glazed Glass Units (25mm Polycarbonate)

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CONSERVATORY ROOF SYSTEM

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SKC-7015 Ornate Cresting

SKP-6027   Ridge Top Cap

SKC-9433   Ridge Centre Extender

SKP-6029   Ridge Wing Extender

SKC-7013 Plain Cresting

SKP-6030   Top Cloaking Trim (35mm)

SKP-6031   Top Cloaking Trim (24/25mm)

SKP-6107 Cresting Channel Infill

150

61

10

184

C
B

A

8

SKA-5041 25° Fixed Pitch Ridge

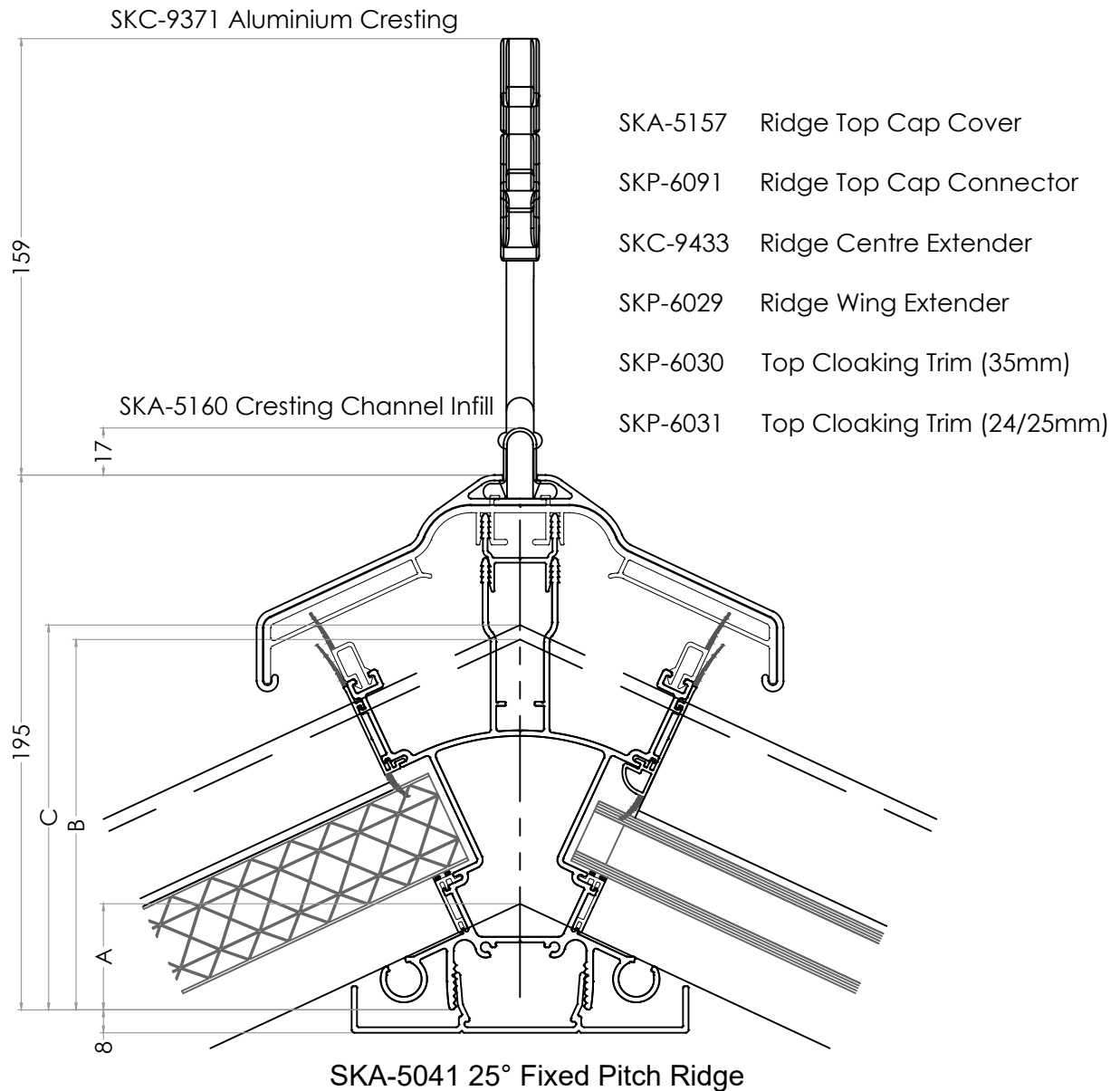| Pitch	A	B	C
25.0°	32	120	124
27.5°	33	122	127

A = Underside Wallplate to underside of Glazing Bar
B = Underside Wallplate to Glazing Bar Top Cap (Single Walled)
C = Underside Wallplate to Glazing Bar Top Cap (Chambered)

Illustration showing two glazing options:
35mm Polycarbonate
24mm Double Glazed Glass Units (25mm Polycarbonate)

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SKC-9371 Aluminium Cresting

SKA-5157   Ridge Top Cap Cover

SKP-6091   Ridge Top Cap Connector

SKP-6030   Top Cloaking Trim (35mm)

SKP-6031   Top Cloaking Trim (24/25mm)

SKA-5160 Cresting Channel Infill

159

17

179

C

B

A

8

SKA-5041 25° Fixed Pitch Ridge

Pitch	A	B	C
25.0°	32	120	124
27.5°	33	122	127

A = Underside Wallplate to underside of Glazing Bar
B = Underside Wallplate to Glazing Bar Top Cap (Single Walled)
C = Underside Wallplate to Glazing Bar Top Cap (Chambered)

Illustration showing two glazing options:
35mm Polycarbonate
24mm Double Glazed Glass Units (25mm Polycarbonate)

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SHEERLINE
CONSERVATORY ROOF SYSTEM

SKC-9371 Aluminium Cresting

SKA-5160 Cresting Channel Infill

159

17

195

C
B
A

8

SKA-5157   Ridge Top Cap Cover

SKP-6091   Ridge Top Cap Connector

SKC-9433   Ridge Centre Extender

SKP-6029   Ridge Wing Extender

SKP-6030   Top Cloaking Trim (35mm)

SKP-6031   Top Cloaking Trim (24/25mm)

SKA-5041 25° Fixed Pitch Ridge

Pitch	A	B	C
25.0°	32	120	124
27.5°	33	122	127

A = Underside Wallplate to underside of Glazing Bar
B = Underside Wallplate to Glazing Bar Top Cap (Single Walled)
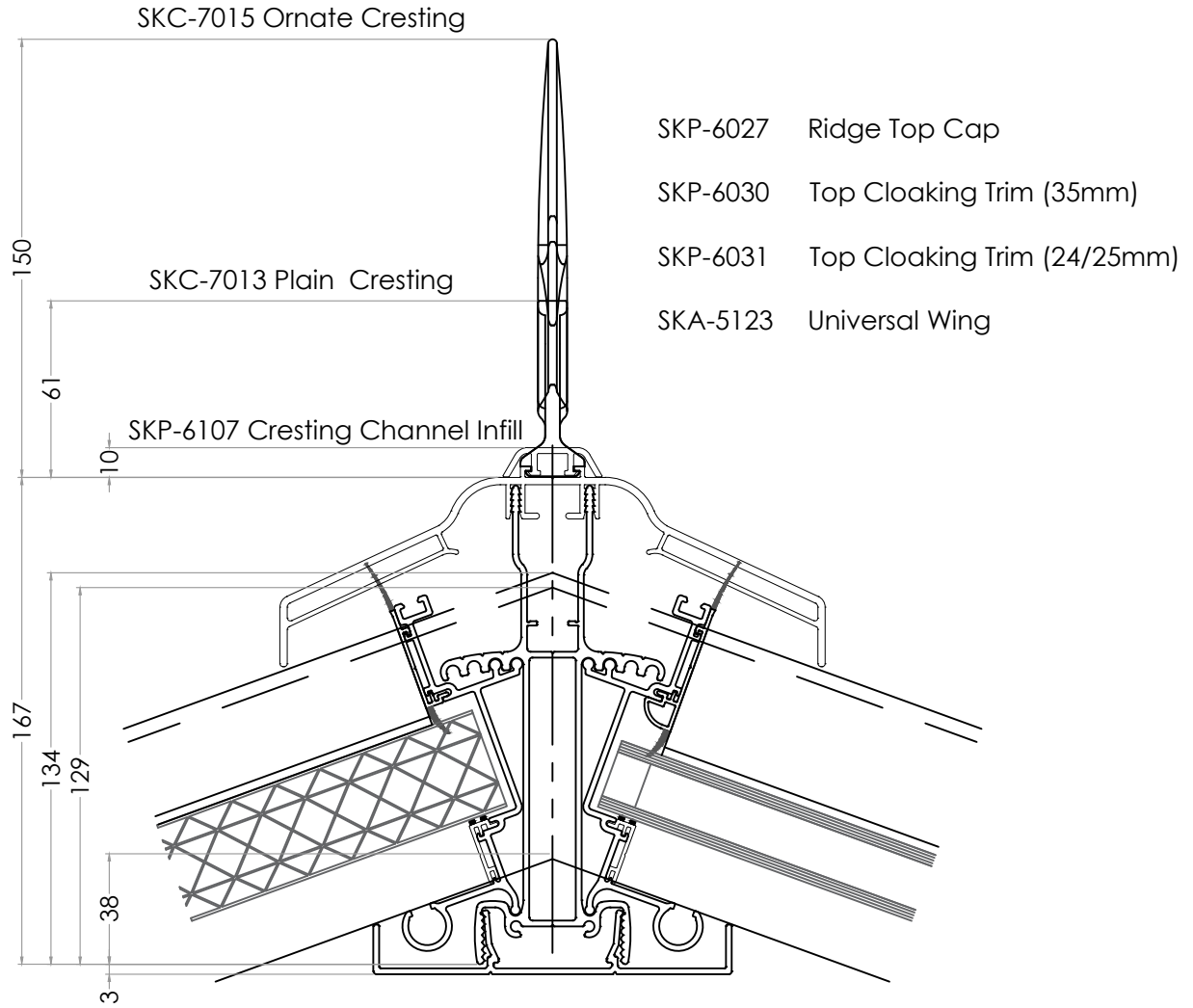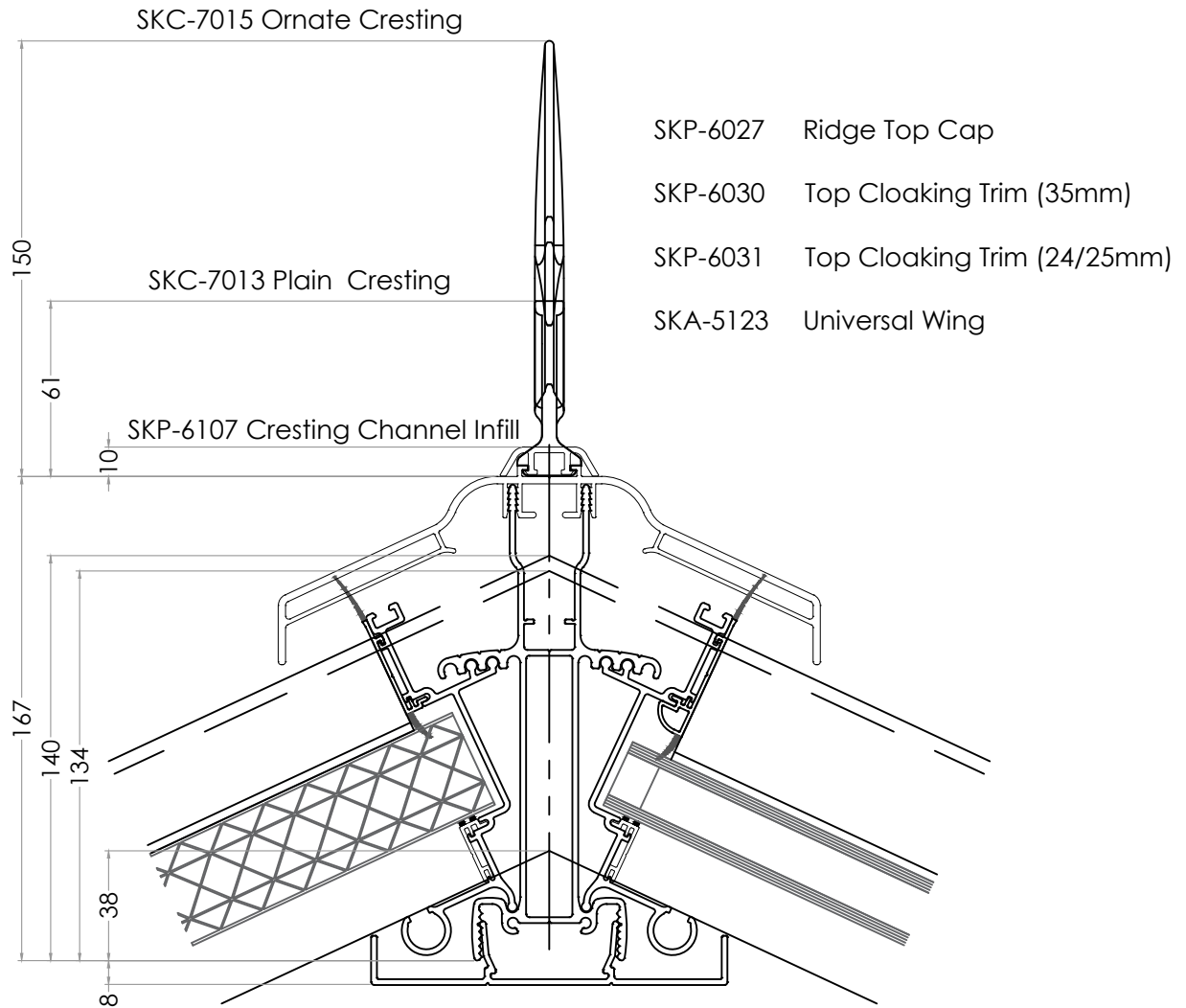C = Underside Wallplate to Glazing Bar Top Cap (Chambered)

Illustration showing two glazing options:
35mm Polycarbonate
24mm Double Glazed Glass Units (25mm Polycarbonate)

DO NOT SCALE FROM THIS DRAWING

19

GARNALEX
GARNER ALUMINIUM EXTRUSIONS LTD

GARNER ALUMINIUM EXTRUSIONS LTD
Denby Hall Business Park, Denby, Derbyshire DE5 8LE

SHEERLINE
CONSERVATORY ROOF SYSTEM

Version 1.0

SKC-7015 Ornate Cresting

SKP-6027   Ridge Top Cap

SKP-6030   Top Cloaking Trim (35mm)

SKP-6031   Top Cloaking Trim (24/25mm)

SKC-7013 Plain Cresting

SKA-5123   Universal Wing

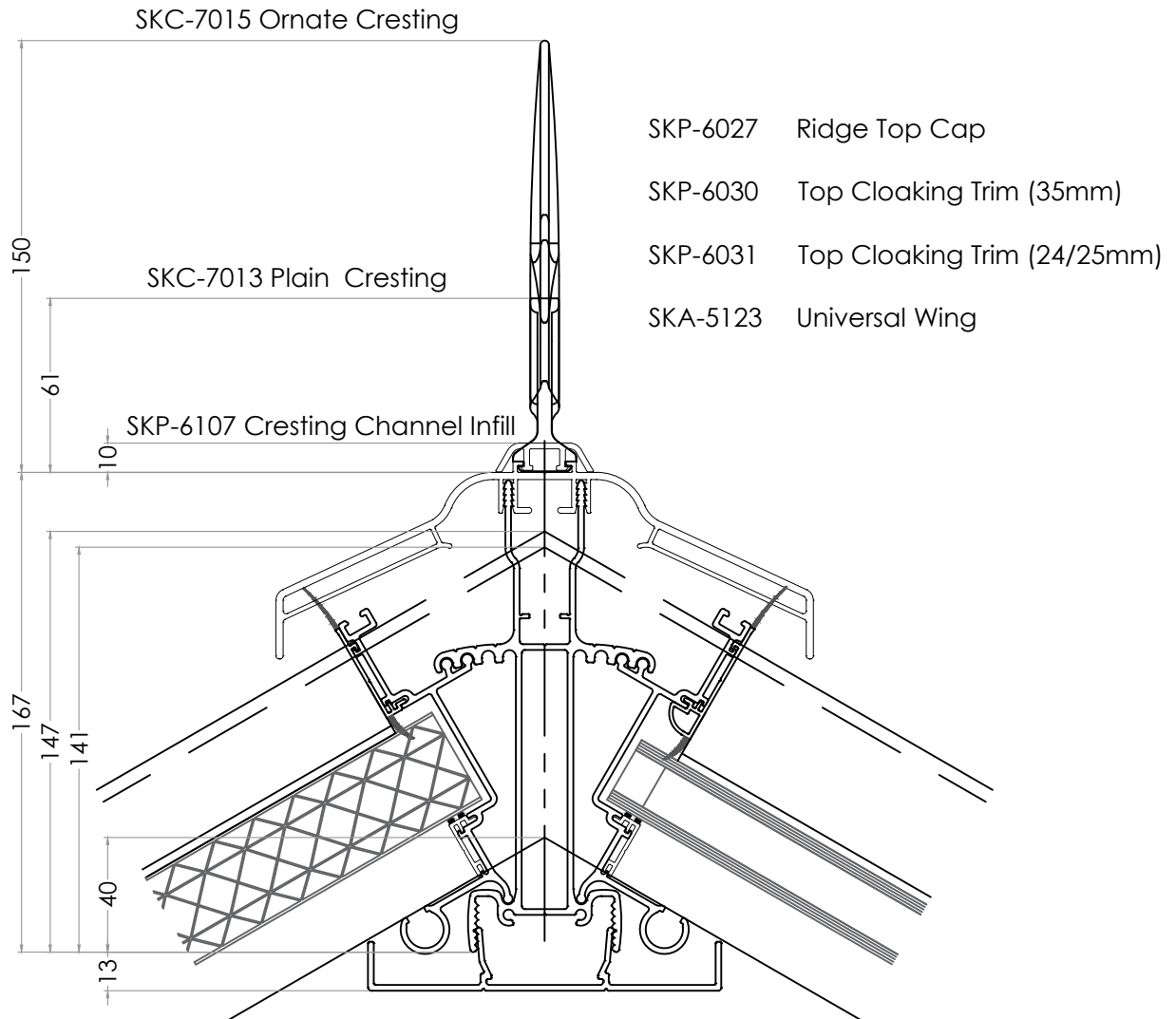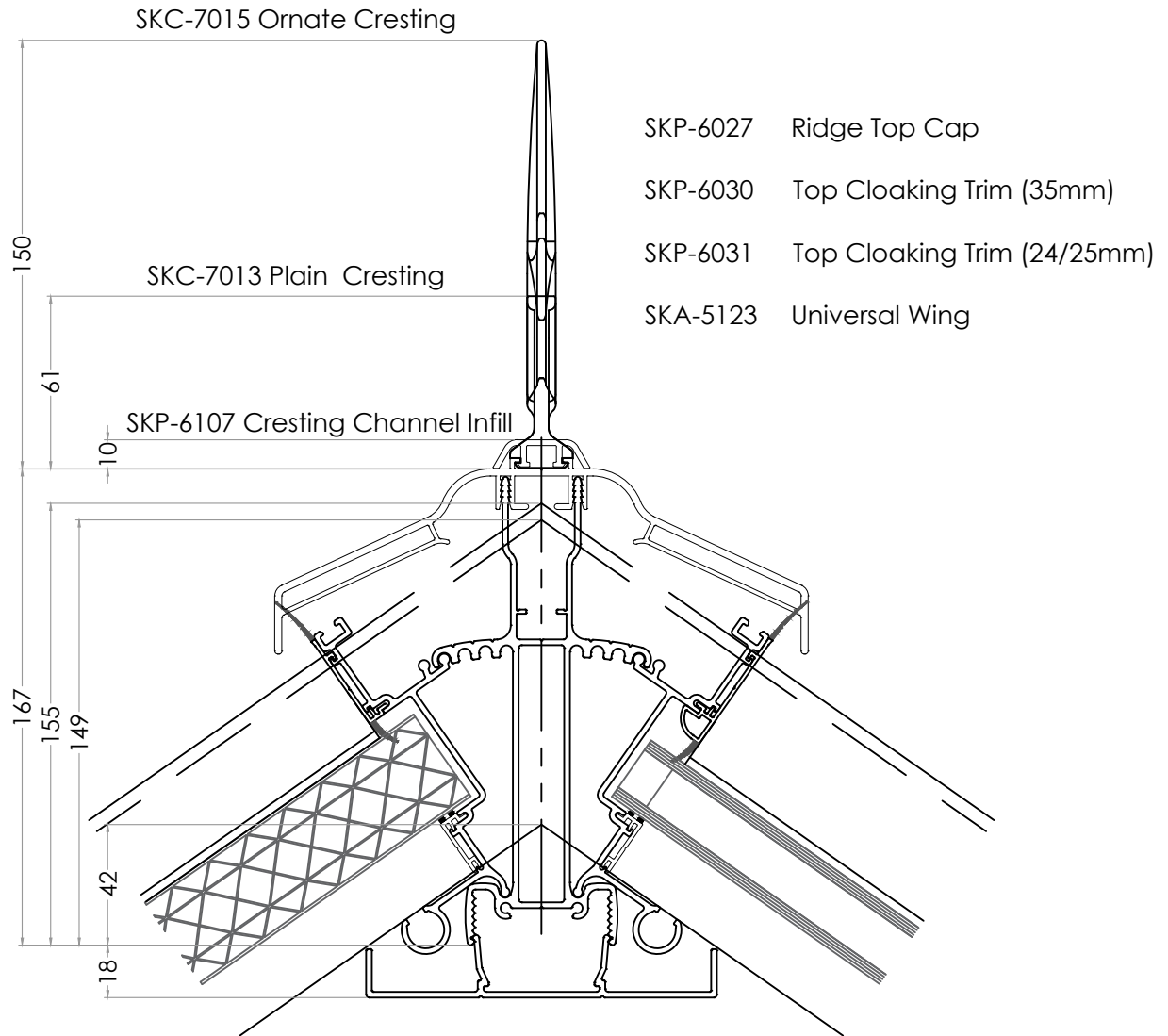SKP-6107 Cresting Channel Infill

150

61

10

167

134

129

38

3

Illustration showing two glazing options:
35mm Polycarbonate
24mm Double Glazed Glass Units (25mm Polycarbonate)

DO NOT SCALE FROM THIS DRAWING

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SHEERLINE®
CONSERVATORY ROOF SYSTEM

Version 1.0

SKC-7015 Ornate Cresting

SKP-6027   Ridge Top Cap

SKP-6030   Top Cloaking Trim (35mm)

SKP-6031   Top Cloaking Trim (24/25mm)

SKC-7013 Plain Cresting

SKA-5123   Universal Wing

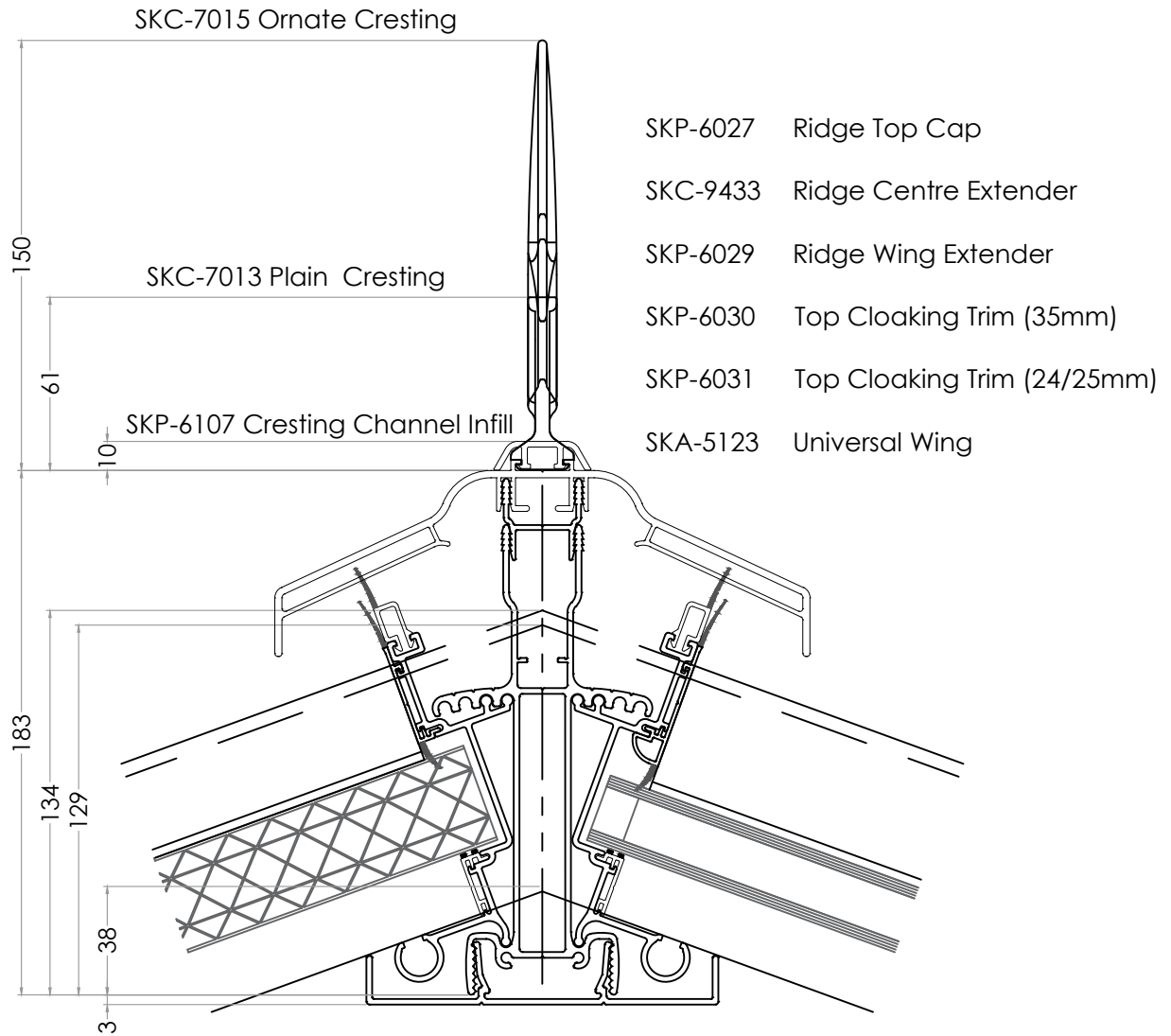SKP-6107 Cresting Channel Infill

150
61
10
167
140
134
38
8

Illustration showing two glazing options:
35mm Polycarbonate
24mm Double Glazed Glass Units (25mm Polycarbonate)

DO NOT SCALE FROM THIS DRAWING

21

GARNALEX
GARNER ALUMINIUM EXTRUSIONS LTD

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Denby Hall Business Park, Denby, Derbyshire DE5 8LE

SHEERLINE®
CONSERVATORY ROOF SYSTEM

Version 1.0

SKC-7015 Ornate Cresting

SKC-7013 Plain Cresting

SKP-6107 Cresting Channel Infill

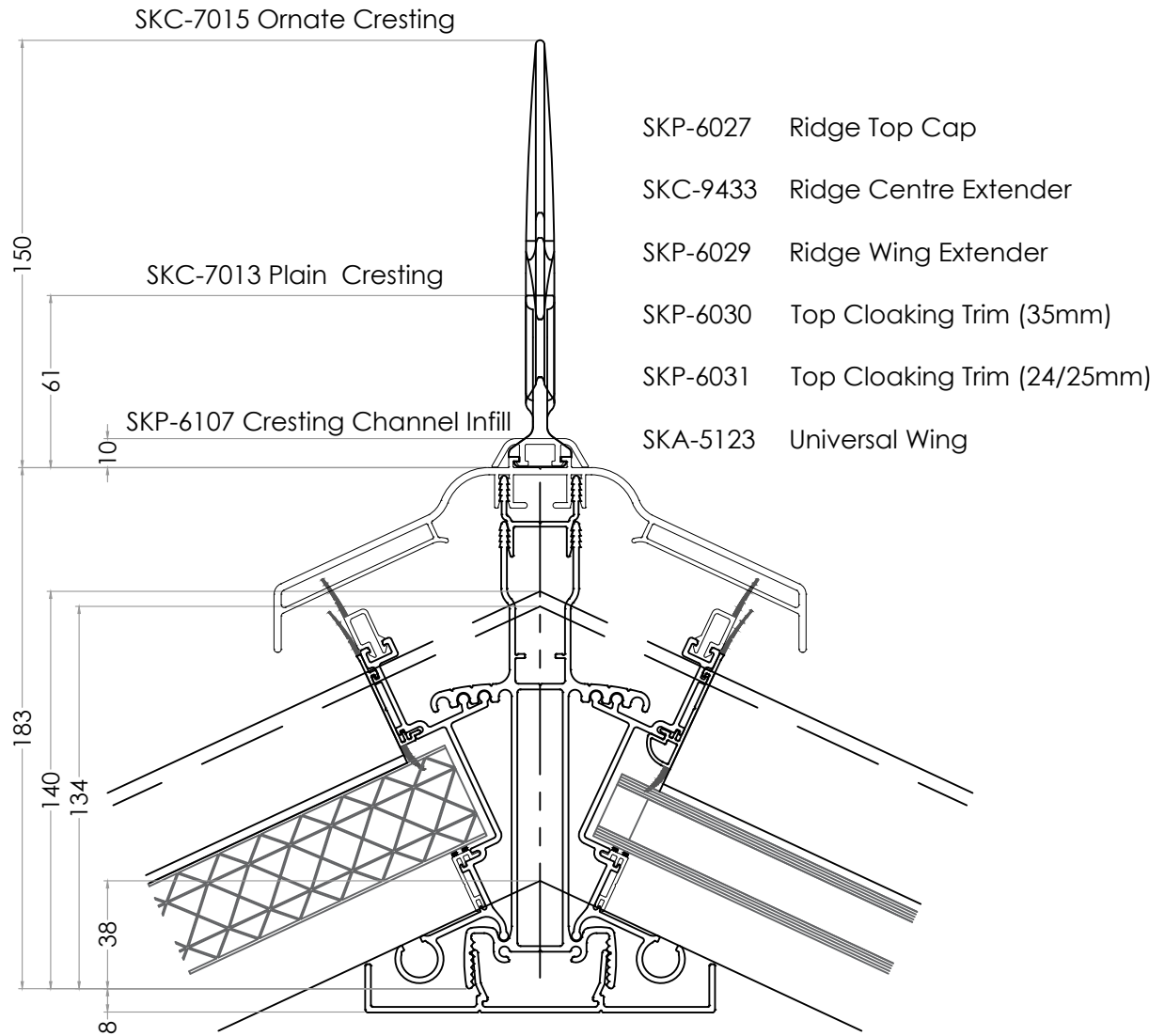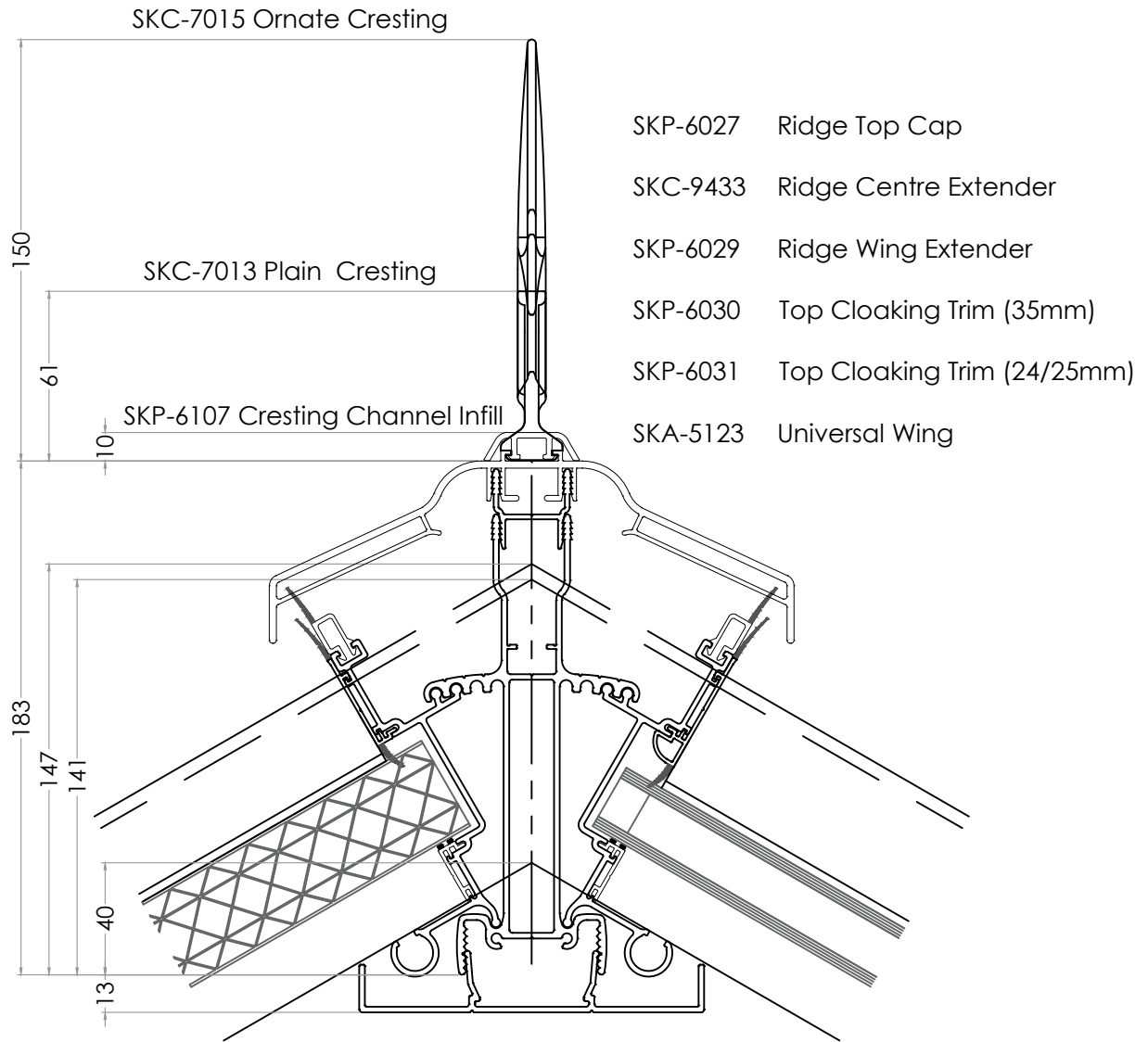| SKP-6027	Ridge Top Cap
SKP-6030	Top Cloaking Trim (35mm)
SKP-6031	Top Cloaking Trim (24/25mm)
SKA-5123	Universal Wing

150

61

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167

147

141

40

13

Illustration showing two glazing options:
35mm Polycarbonate
24mm Double Glazed Glass Units (25mm Polycarbonate)

DO NOT SCALE FROM THIS DRAWING

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GARNER ALUMINIUM EXTRUSIONS LTD

GARNER ALUMINIUM EXTRUSIONS LTD
Denby Hall Business Park, Denby, Derbyshire DE5 8LE

SHEERLINE®
CONSERVATORY ROOF SYSTEM

Version 1.0

SKC-7015 Ornate Cresting

SKC-7013 Plain Cresting

SKP-6107 Cresting Channel Infill

SKP-6027   Ridge Top Cap

SKP-6030   Top Cloaking Trim (35mm)

SKP-6031   Top Cloaking Trim (24/25mm)

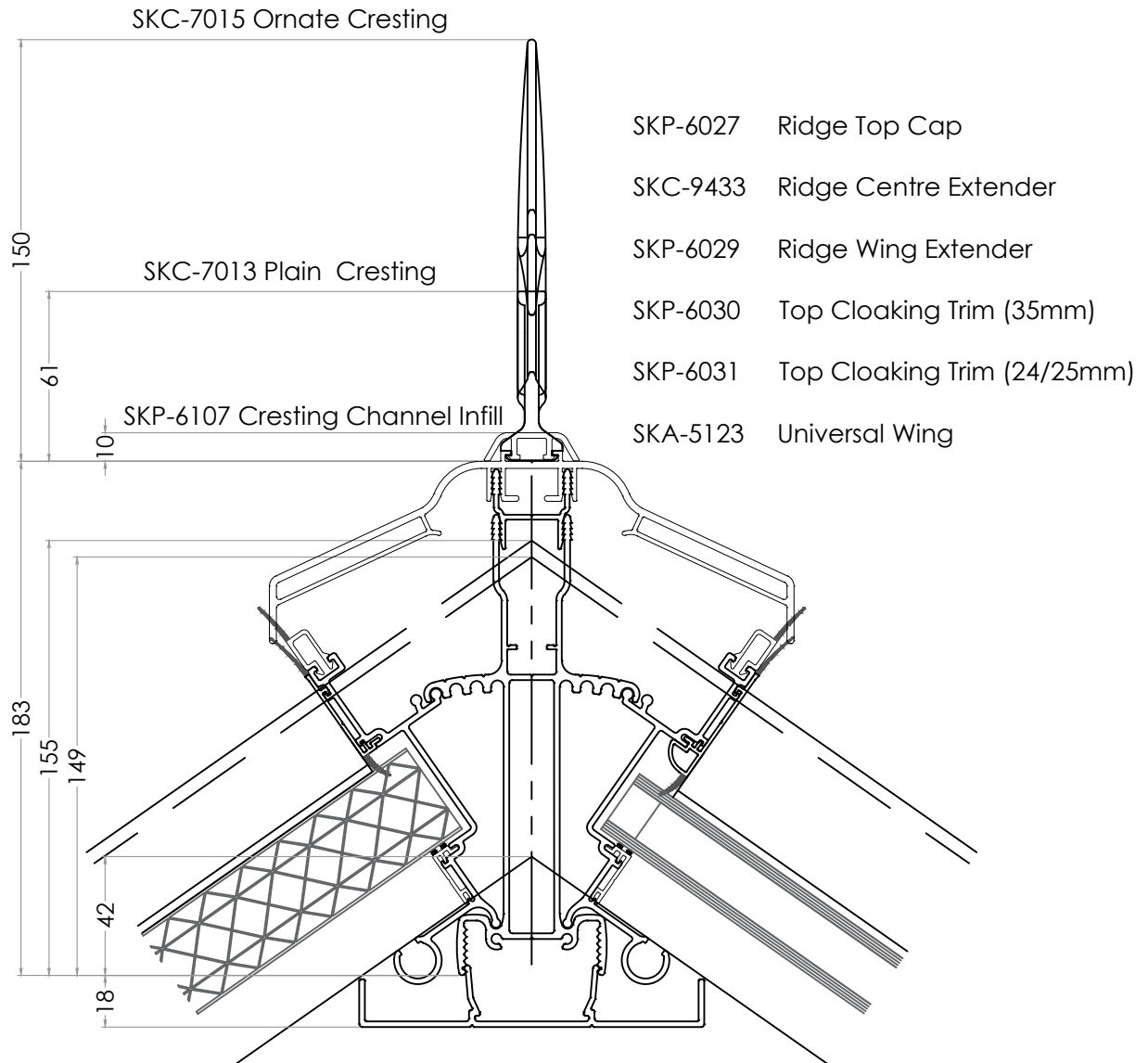SKA-5123   Universal Wing

150

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167

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42

18

Illustration showing two glazing options:
35mm Polycarbonate
24mm Double Glazed Glass Units (25mm Polycarbonate)

DO NOT SCALE FROM THIS DRAWING

GARNALEX
GARNER ALUMINIUM EXTRUSIONS LTD

GARNER ALUMINIUM EXTRUSIONS LTD
Denby Hall Business Park, Denby, Derbyshire DE5 8LE

SHEERLINE®
CONSERVATORY ROOF SYSTEM

Version 1.0

SKC-7015 Ornate Cresting

SKC-7013 Plain Cresting

SKP-6107 Cresting Channel Infill

150

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183

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129

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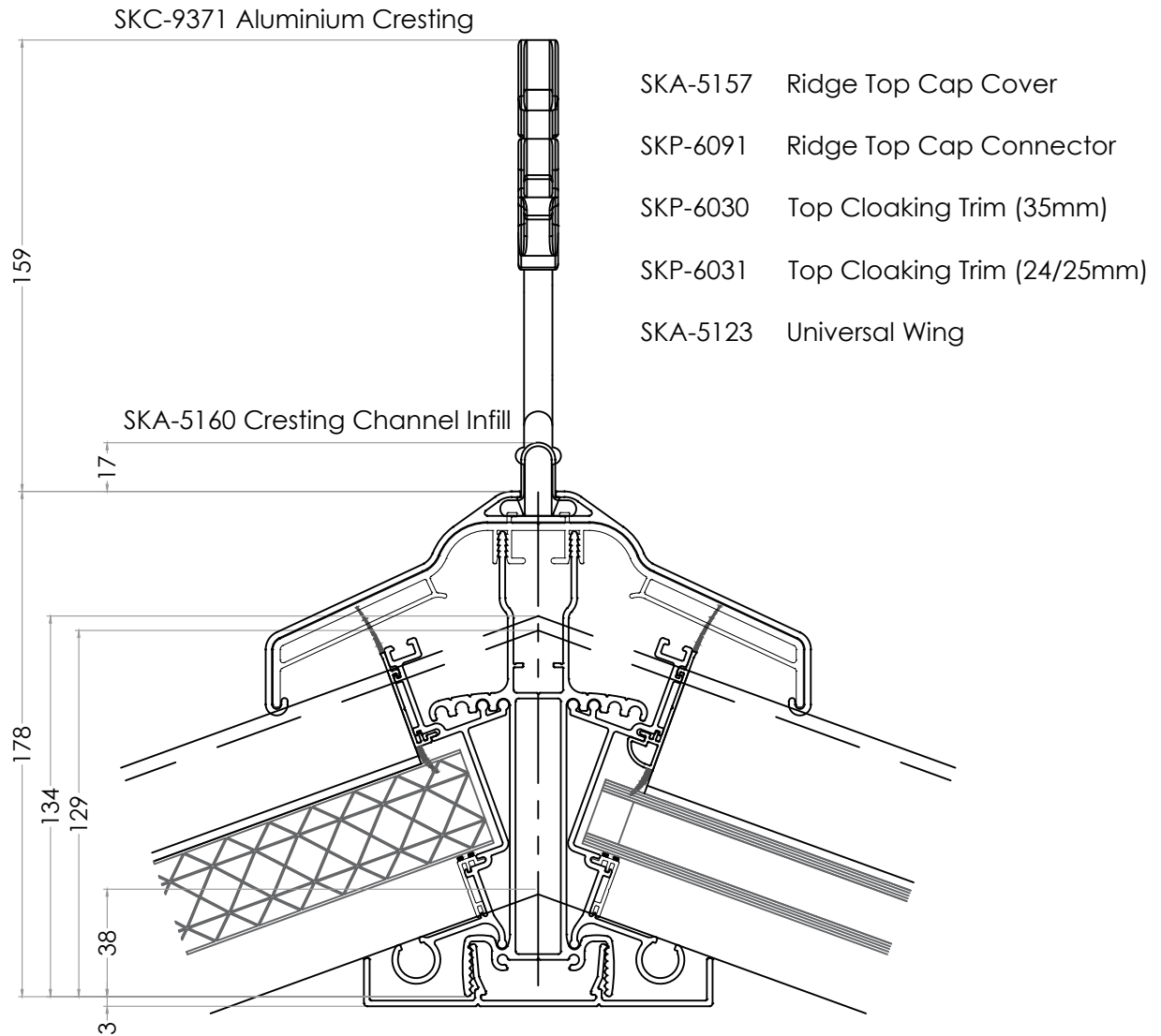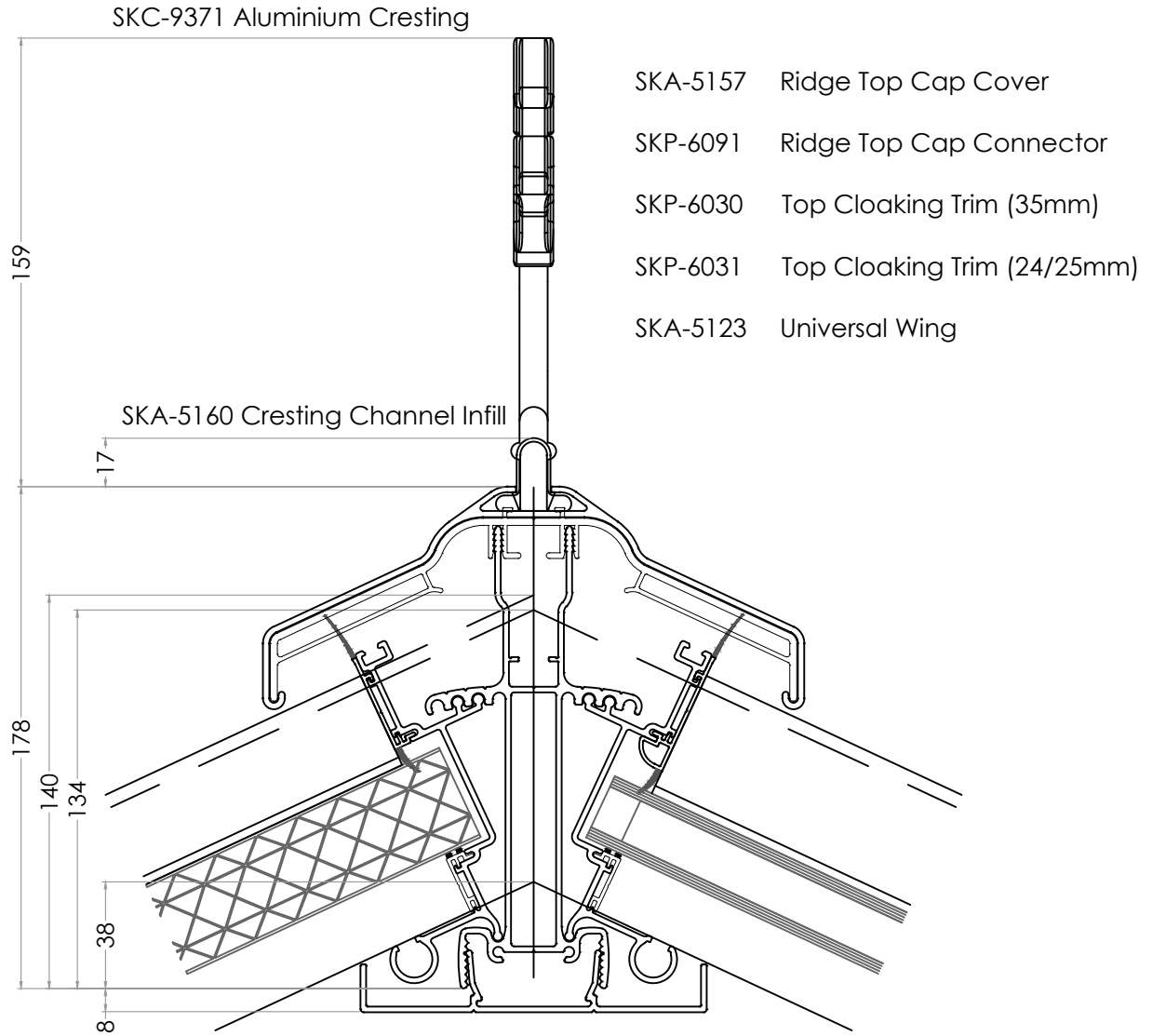| SKP-6027	Ridge Top Cap
SKC-9433	Ridge Centre Extender
SKP-6029	Ridge Wing Extender
SKP-6030	Top Cloaking Trim (35mm)
SKP-6031	Top Cloaking Trim (24/25mm)
SKA-5123	Universal Wing

Illustration showing two glazing options:
35mm Polycarbonate
24mm Double Glazed Glass Units (25mm Polycarbonate)

DO NOT SCALE FROM THIS DRAWING

24

GARNALEX
GARNER ALUMINIUM EXTRUSIONS LTD

SHEERLINE®
CONSERVATORY ROOF SYSTEM

SKC-7015 Ornate Cresting

SKP-6027   Ridge Top Cap

SKC-9433   Ridge Centre Extender

SKP-6029   Ridge Wing Extender

SKC-7013 Plain Cresting

SKP-6030   Top Cloaking Trim (35mm)

SKP-6031   Top Cloaking Trim (24/25mm)

SKP-6107 Cresting Channel Infill
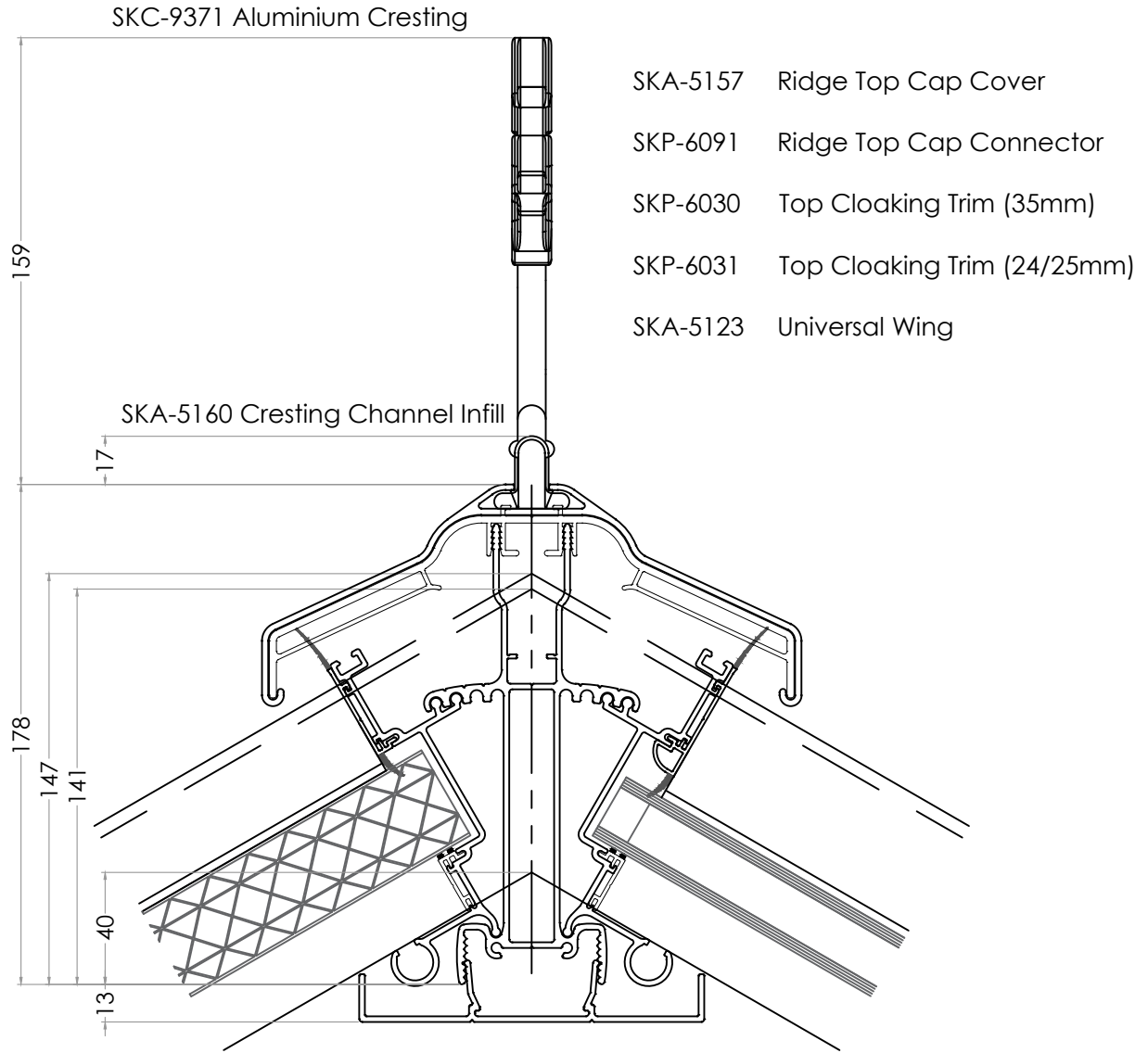
SKA-5123   Universal Wing

150
61
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140
134
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Illustration showing two glazing options:
35mm Polycarbonate
24mm Double Glazed Glass Units (25mm Polycarbonate)

DO NOT SCALE FROM THIS DRAWING

25

GARNALEX

GARNER ALUMINIUM EXTRUSIONS LTD
Denby Hall Business Park, Denby, Derbyshire DE5 8LE

SHEERLINE®
CONSERVATORY ROOF SYSTEM

Version 1.0

SKC-7015 Ornate Cresting

150

SKC-7013 Plain Cresting

61

SKP-6107 Cresting Channel Infill

10

183

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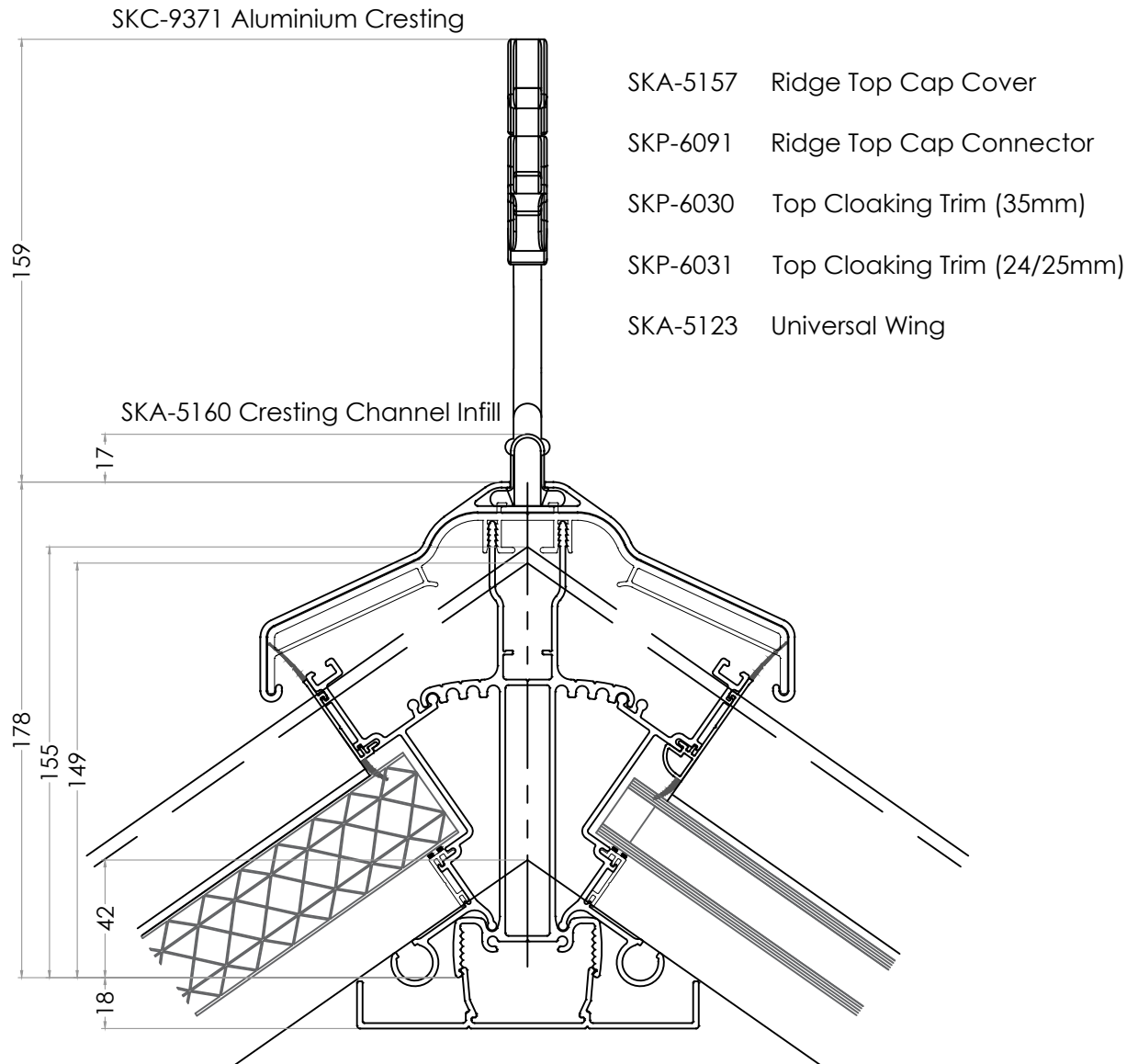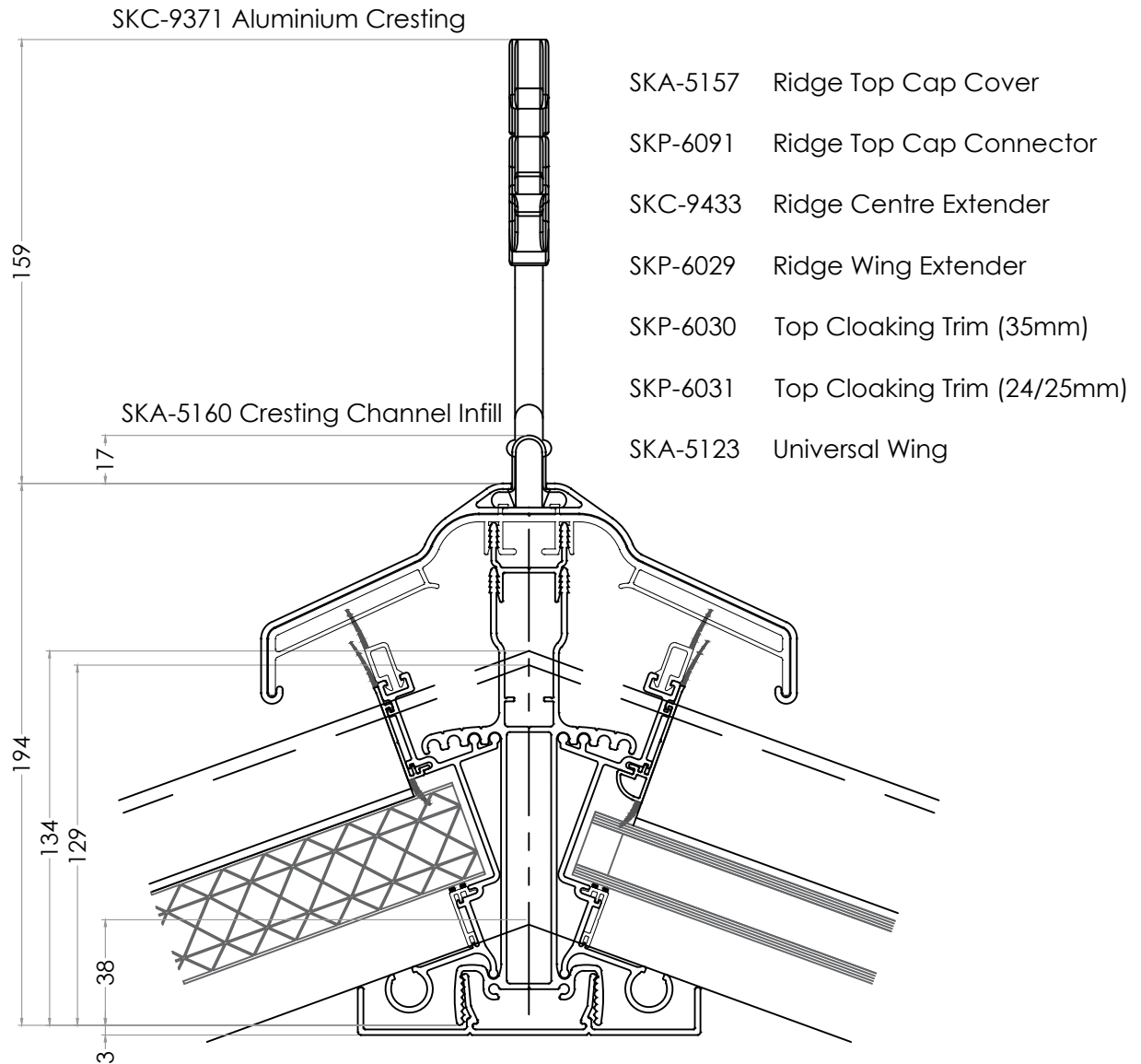| SKP-6027 | Ridge Top Cap |
SKC-9433	Ridge Centre Extender
SKP-6029	Ridge Wing Extender
SKP-6030	Top Cloaking Trim (35mm)
SKP-6031	Top Cloaking Trim (24/25mm)
SKA-5123	Universal Wing

Illustration showing two glazing options:
35mm Polycarbonate
24mm Double Glazed Glass Units (25mm Polycarbonate)

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GARNER ALUMINIUM EXTRUSIONS LTD
Denby Hall Business Park, Denby, Derbyshire DE5 8LE

SHEERLINE
CONSERVATORY ROOF SYSTEM

Version 1.0

SKC-7015 Ornate Cresting

SKC-7013 Plain Cresting

SKP-6107 Cresting Channel Infill

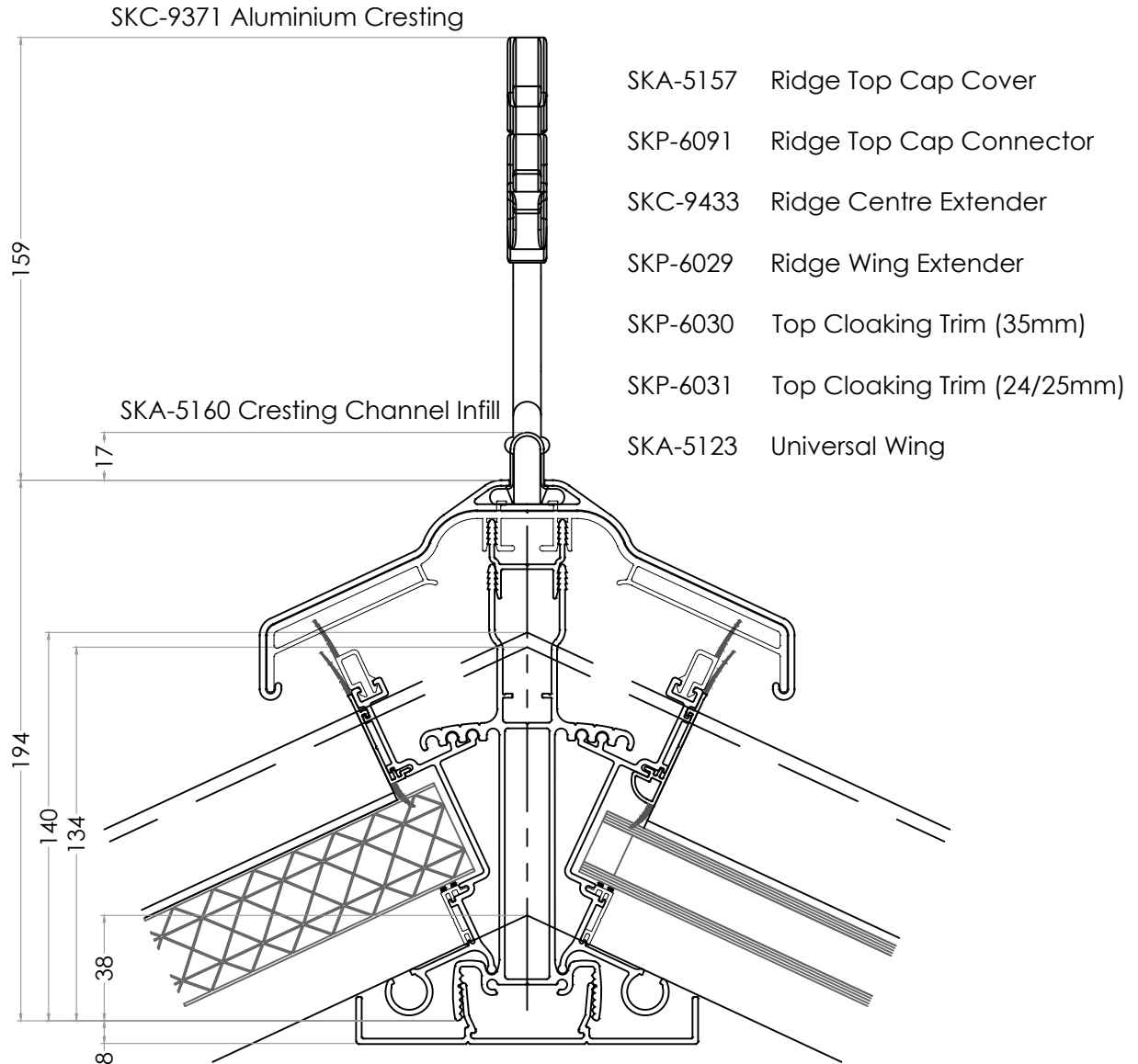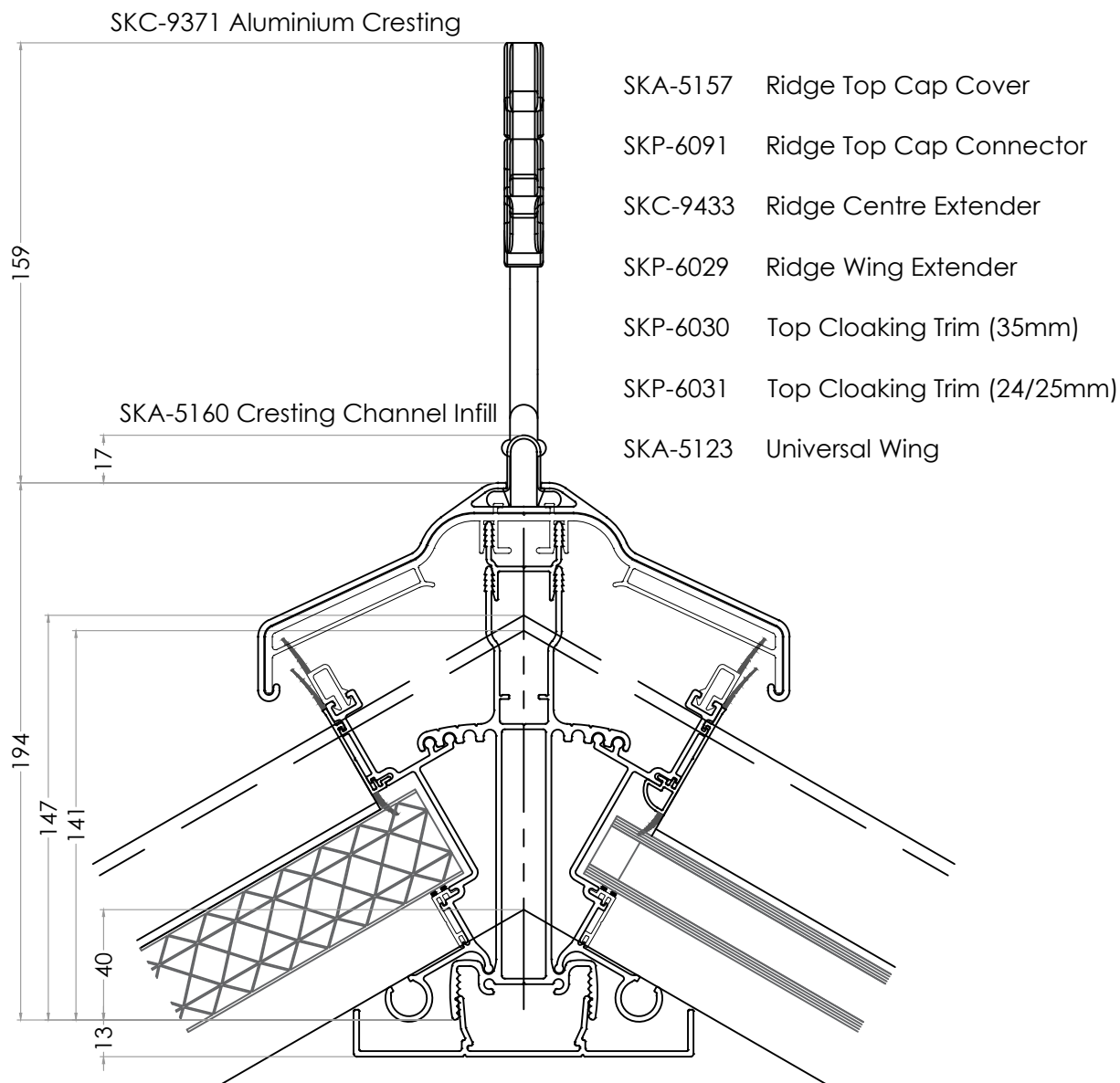| SKP-6027 | Ridge Top Cap |
SKC-9433	Ridge Centre Extender
SKP-6029	Ridge Wing Extender
SKP-6030	Top Cloaking Trim (35mm)
SKP-6031	Top Cloaking Trim (24/25mm)
SKA-5123	Universal Wing

150
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183
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149
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Illustration showing two glazing options:
35mm Polycarbonate
24mm Double Glazed Glass Units (25mm Polycarbonate)

DO NOT SCALE FROM THIS DRAWING

GARNALEX
GARNER ALUMINIUM EXTRUSIONS LTD

SHEERLINE
CONSERVATORY ROOF SYSTEM

Version 1.0

20° VARIABLE PITCH RIDGE (Aluminium)

SKC-9371 Aluminium Cresting

SKA-5157	Ridge Top Cap Cover
SKP-6091	Ridge Top Cap Connector
SKP-6030	Top Cloaking Trim (35mm)
SKP-6031	Top Cloaking Trim (24/25mm)
SKA-5123	Universal Wing

SKA-5160 Cresting Channel Infill
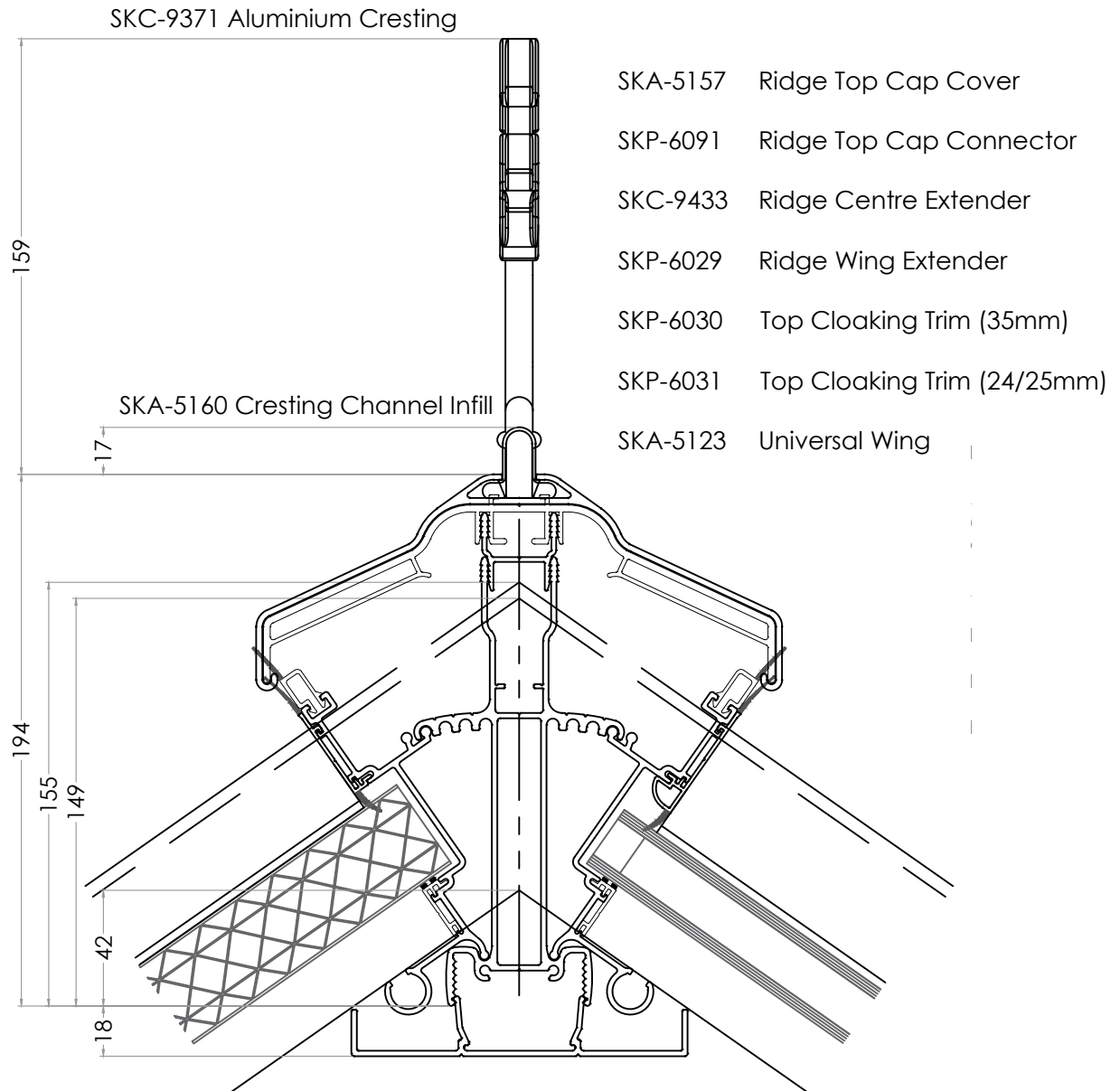
159

17

178

134

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Illustration showing two glazing options:
35mm Polycarbonate
24mm Double Glazed Glass Units (25mm Polycarbonate)

DO NOT SCALE FROM THIS DRAWING

GARNER ALUMINIUM EXTRUSIONS LTD
Denby Hall Business Park, Denby, Derbyshire DE5 8LE

SHEERLINE
CONSERVATORY ROOF SYSTEM

Version 1.0

SKC-9371 Aluminium Cresting

SKA-5160 Cresting Channel Infill

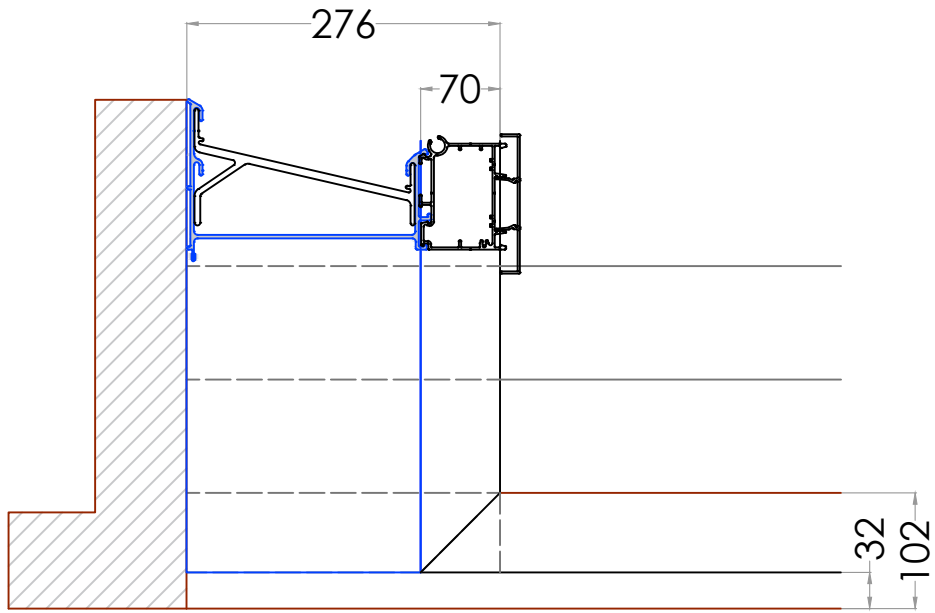|	
SKA-5157	Ridge Top Cap Cover
SKP-6091	Ridge Top Cap Connector
SKP-6030	Top Cloaking Trim (35mm)
SKP-6031	Top Cloaking Trim (24/25mm)
SKA-5123	Universal Wing

159

17

178

140

134

38

8

Illustration showing two glazing options:
35mm Polycarbonate
24mm Double Glazed Glass Units (25mm Polycarbonate)

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GARNER ALUMINIUM EXTRUSIONS LTD
Denby Hall Business Park, Denby, Derbyshire DE5 8LE

SHEERLINE
CONSERVATORY ROOF SYSTEM

Version 1.0

SKC-9371 Aluminium Cresting

SKA-5157　　Ridge Top Cap Cover

SKP-6091　　Ridge Top Cap Connector

SKP-6030　　Top Cloaking Trim (35mm)

SKP-6031　　Top Cloaking Trim (24/25mm)

SKA-5123　　Universal Wing

SKA-5160 Cresting Channel Infill

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Illustration showing two glazing options:
35mm Polycarbonate
24mm Double Glazed Glass Units (25mm Polycarbonate)

DO NOT SCALE FROM THIS DRAWING

GARNALEX
GARNER ALUMINIUM EXTRUSIONS LTD

SHEERLINE®
CONSERVATORY ROOF SYSTEM

Version 1.0

SKC-9371 Aluminium Cresting

SKA-5157   Ridge Top Cap Cover

SKP-6091   Ridge Top Cap Connector

SKP-6030   Top Cloaking Trim (35mm)

SKP-6031   Top Cloaking Trim (24/25mm)

SKA-5123   Universal Wing

SKA-5160 Cresting Channel Infill

159

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178

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149

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18

Illustration showing two glazing options:
35mm Polycarbonate
24mm Double Glazed Glass Units (25mm Polycarbonate)

DO NOT SCALE FROM THIS DRAWING

GARNALEX
GARNER ALUMINIUM EXTRUSIONS LTD

SHEERLINE®
CONSERVATORY ROOF SYSTEM

Version 1.0

SKC-9371 Aluminium Cresting

SKA-5160 Cresting Channel Infill

SKA-5157	Ridge Top Cap Cover
SKP-6091	Ridge Top Cap Connector
SKC-9433	Ridge Centre Extender
SKP-6029	Ridge Wing Extender
SKP-6030	Top Cloaking Trim (35mm)
SKP-6031	Top Cloaking Trim (24/25mm)
SKA-5123	Universal Wing

159

17

194

134

129

38

3

Illustration showing two glazing options:
35mm Polycarbonate
24mm Double Glazed Glass Units (25mm Polycarbonate)

DO NOT SCALE FROM THIS DRAWING

GARNALEX
GARNER ALUMINIUM EXTRUSIONS LTD

SHEERLINE
CONSERVATORY ROOF SYSTEM

Version 1.0

SKC-9371 Aluminium Cresting

SKA-5157 Ridge Top Cap Cover

SKP-6091 Ridge Top Cap Connector

SKC-9433 Ridge Centre Extender

SKP-6029 Ridge Wing Extender

SKP-6030 Top Cloaking Trim (35mm)

SKP-6031 Top Cloaking Trim (24/25mm)

SKA-5123 Universal Wing

SKA-5160 Cresting Channel Infill

159

17

194

140

134

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8

Illustration showing two glazing options:
35mm Polycarbonate
24mm Double Glazed Glass Units (25mm Polycarbonate)

DO NOT SCALE FROM THIS DRAWING

GARNALEX
GARNER ALUMINIUM EXTRUSIONS LTD

SHEERLINE
CONSERVATORY ROOF SYSTEM

30° VARIABLE PITCH RIDGE (Aluminium & Extended)

SKC-9371 Aluminium Cresting

SKA-5157	Ridge Top Cap Cover
SKP-6091	Ridge Top Cap Connector
SKC-9433	Ridge Centre Extender
SKP-6029	Ridge Wing Extender
SKP-6030	Top Cloaking Trim (35mm)
SKP-6031	Top Cloaking Trim (24/25mm)
SKA-5123	Universal Wing

SKA-5160 Cresting Channel Infill

159

17

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147

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13

Illustrations showing two glazing options:
35mm Polycarbonate
24mm Double Glazed Glass Units (25mm Polycarbonate)

DO NOT SCALE FROM THIS DRAWING

GARNALEX
GARNER ALUMINIUM EXTRUSIONS LTD

SHEERLINE
CONSERVATORY ROOF SYSTEM

35° VARIABLE PITCH RIDGE (Aluminium & Extended)

SKC-9371 Aluminium Cresting

SKA-5160 Cresting Channel Infill

SKA-5157	Ridge Top Cap Cover
SKP-6091	Ridge Top Cap Connector
SKC-9433	Ridge Centre Extender
SKP-6029	Ridge Wing Extender
SKP-6030	Top Cloaking Trim (35mm)
SKP-6031	Top Cloaking Trim (24/25mm)
SKA-5123	Universal Wing

159

17

194

155

149

42

18

Illustration showing two glazing options:
35mm Polycarbonate
24mm Double Glazed Glass Units (25mm Polycarbonate)

DO NOT SCALE FROM THIS DRAWING

GARNALEX
GARNER ALUMINIUM EXTRUSIONS LTD

GARNER ALUMINIUM EXTRUSIONS LTD
Denby Hall Business Park, Denby, Derbyshire DE5 8LE

SHEERLINE
CONSERVATORY ROOF SYSTEM

Version 1.0

BOX GUTTER & 90° RETURN WALLS

276

70

32
102

Inline Brick

276

70

215
102
113
32

174
102
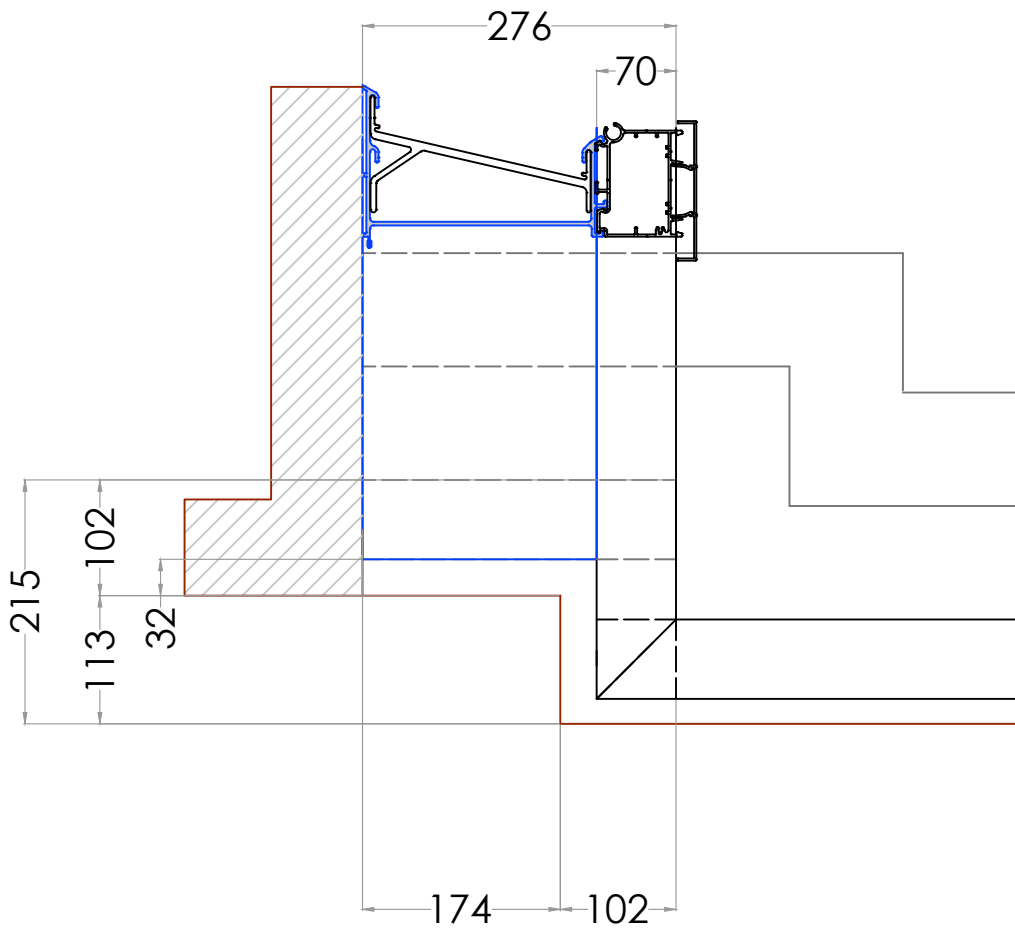
1 Full Brick Return

DO NOT SCALE FROM THIS DRAWING

01

GARNALEX
GARNER ALUMINIUM EXTRUSIONS LTD

SHEERLINE®
CONSERVATORY ROOF SYSTEM

Version 1.0

276

70

102

165

63

Minimum Brick Return (90° External Gutter Angle)

102

265

163
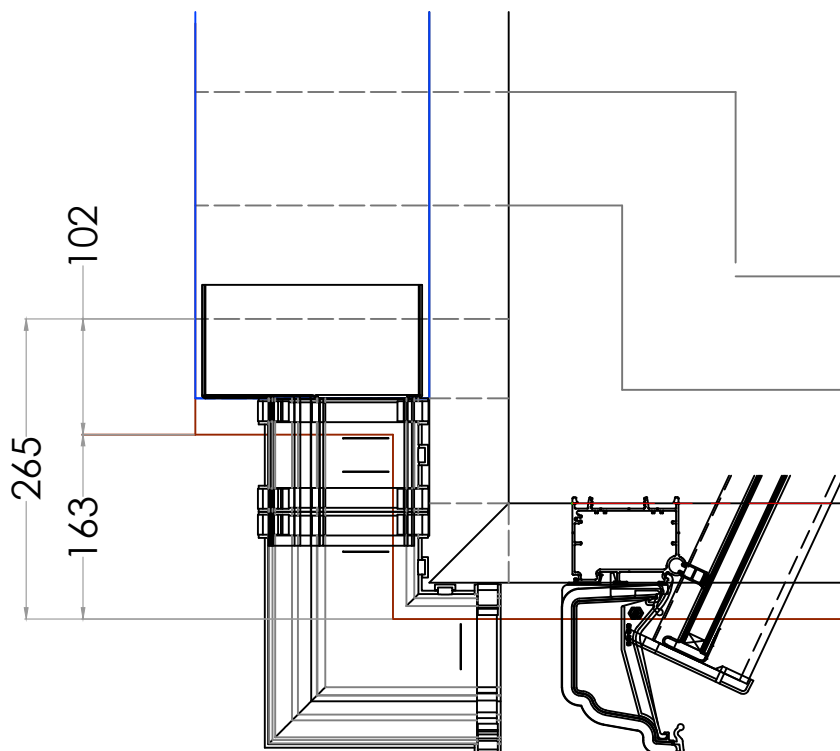
Minimum Brick Return (90° External Gutter Angle & Union)

DO NOT SCALE FROM THIS DRAWING

02

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GARNER ALUMINIUM EXTRUSIONS LTD

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SHEERLINE
CONSERVATORY ROOF SYSTEM

Version 1.0

BOX GUTTER & 135° RETURN WALLS

276

70

135°

102

235

135°

193

DO NOT SCALE FROM THIS DRAWING

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GARNER ALUMINIUM EXTRUSIONS LTD

GARNER ALUMINIUM EXTRUSIONS LTD
Denby Hall Business Park, Denby, Derbyshire DE5 8LE

SHEERLINE®
CONSERVATORY ROOF SYSTEM

Version 1.0
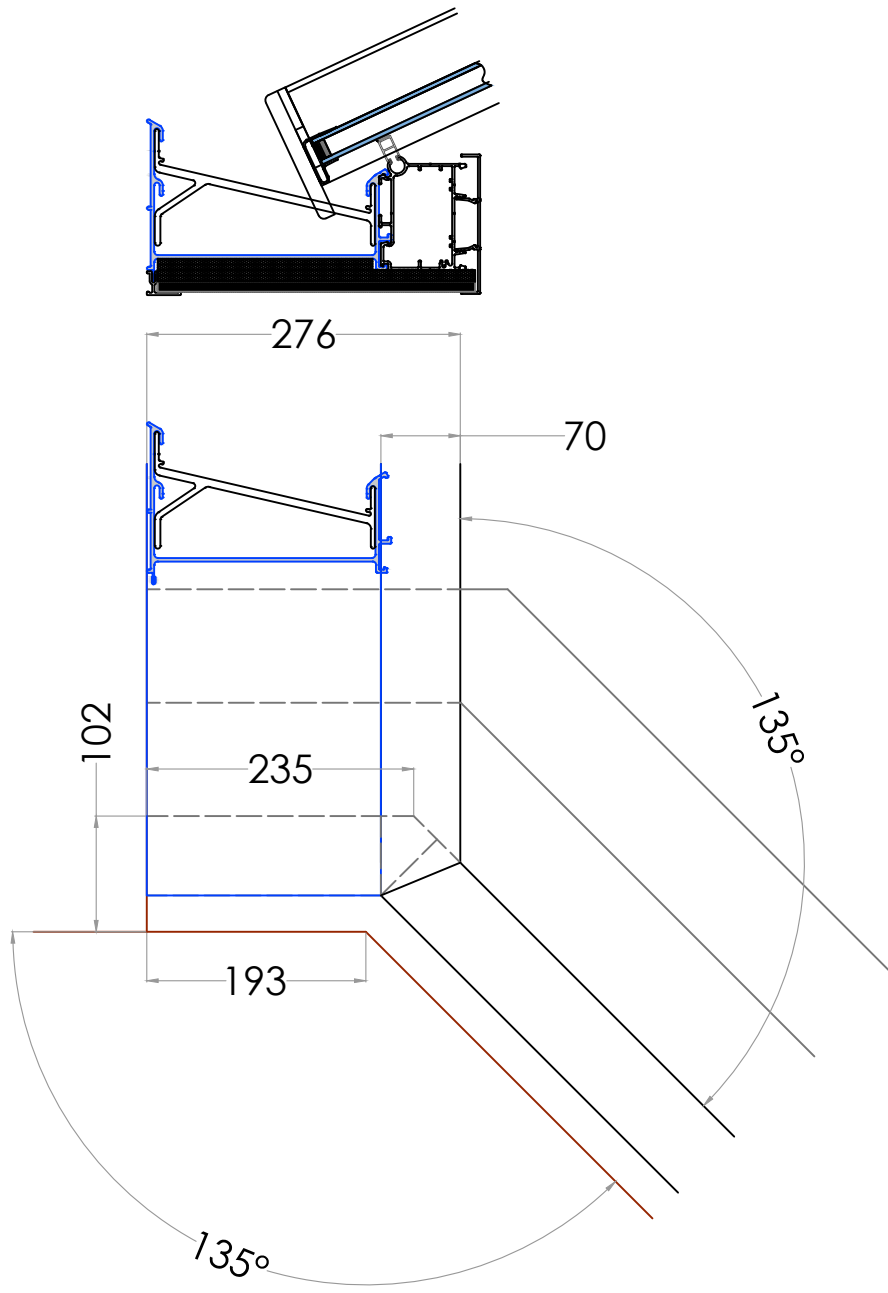
BOX GUTTER & 150° RETURN WALLS
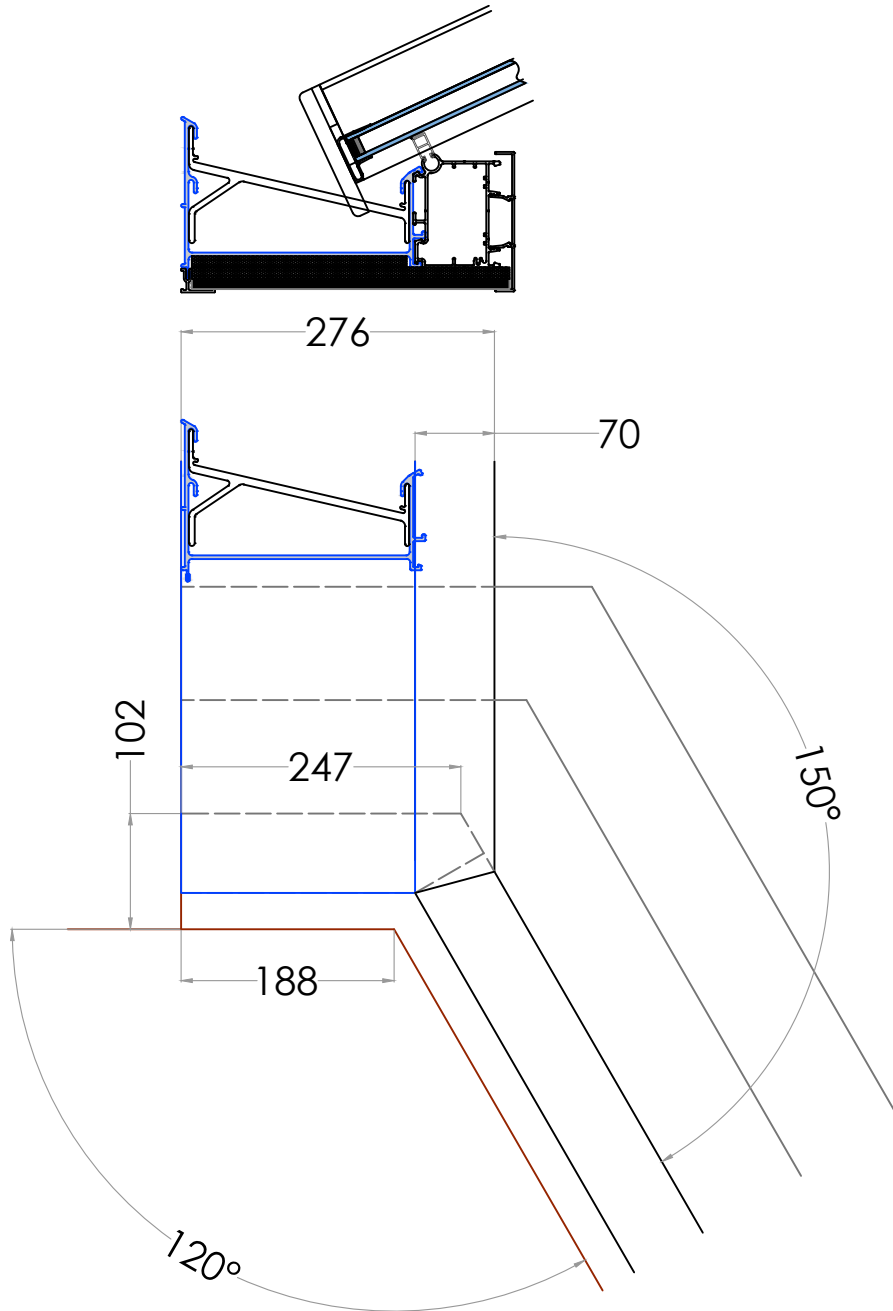
276

70

102

247

188

150°

120°

DO NOT SCALE FROM THIS DRAWING

04
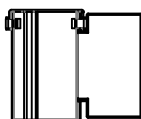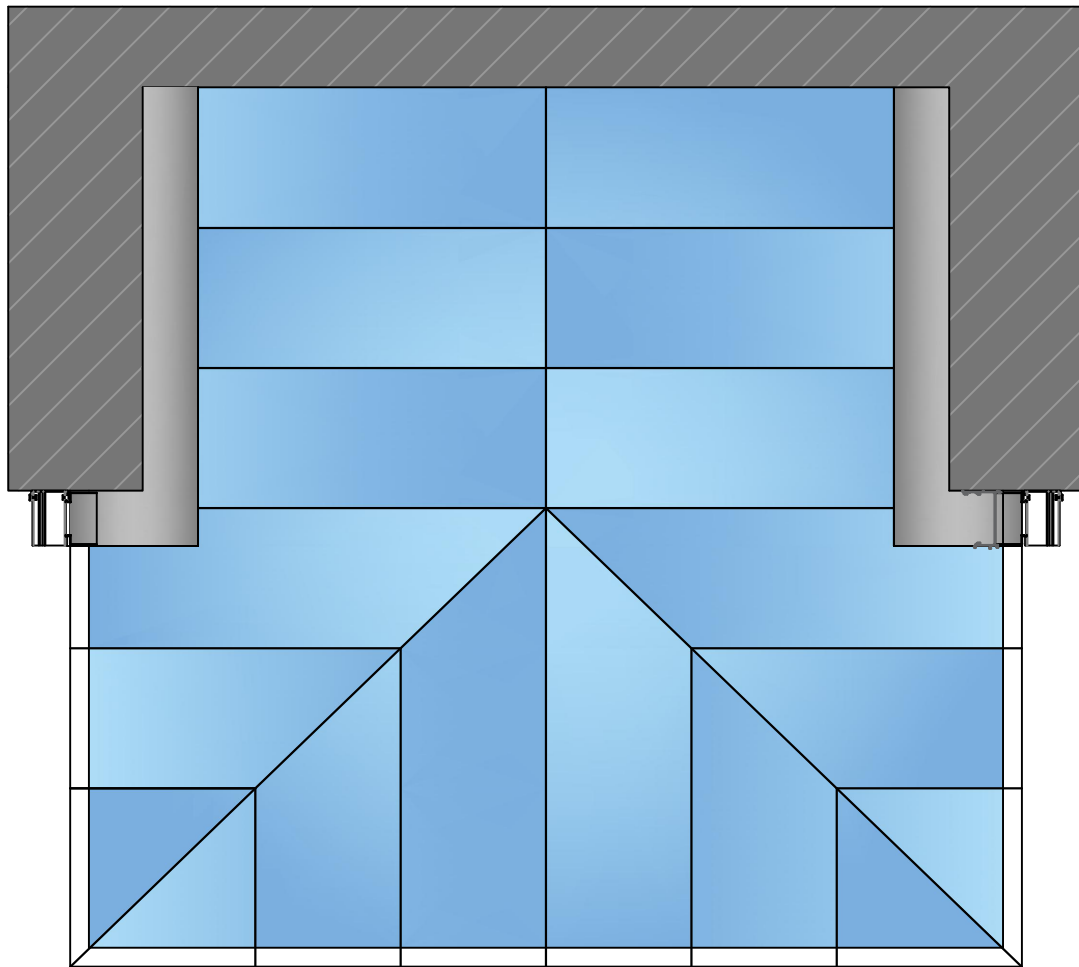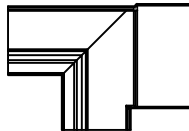
GARNALEX
GARNER ALUMINIUM EXTRUSIONS LTD

SHEERLINE
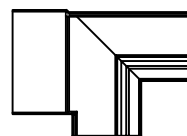CONSERVATORY ROOF SYSTEM

Version 1.0
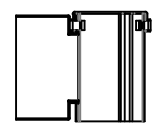
BOX GUTTER ADAPTORS

SKC-9441
Universal T Box
Gutter Adaptor

SKC-9454
LH Internal 90° to
Inline Box Gutter
Adaptor

SKC-9455
RH Internal 90°
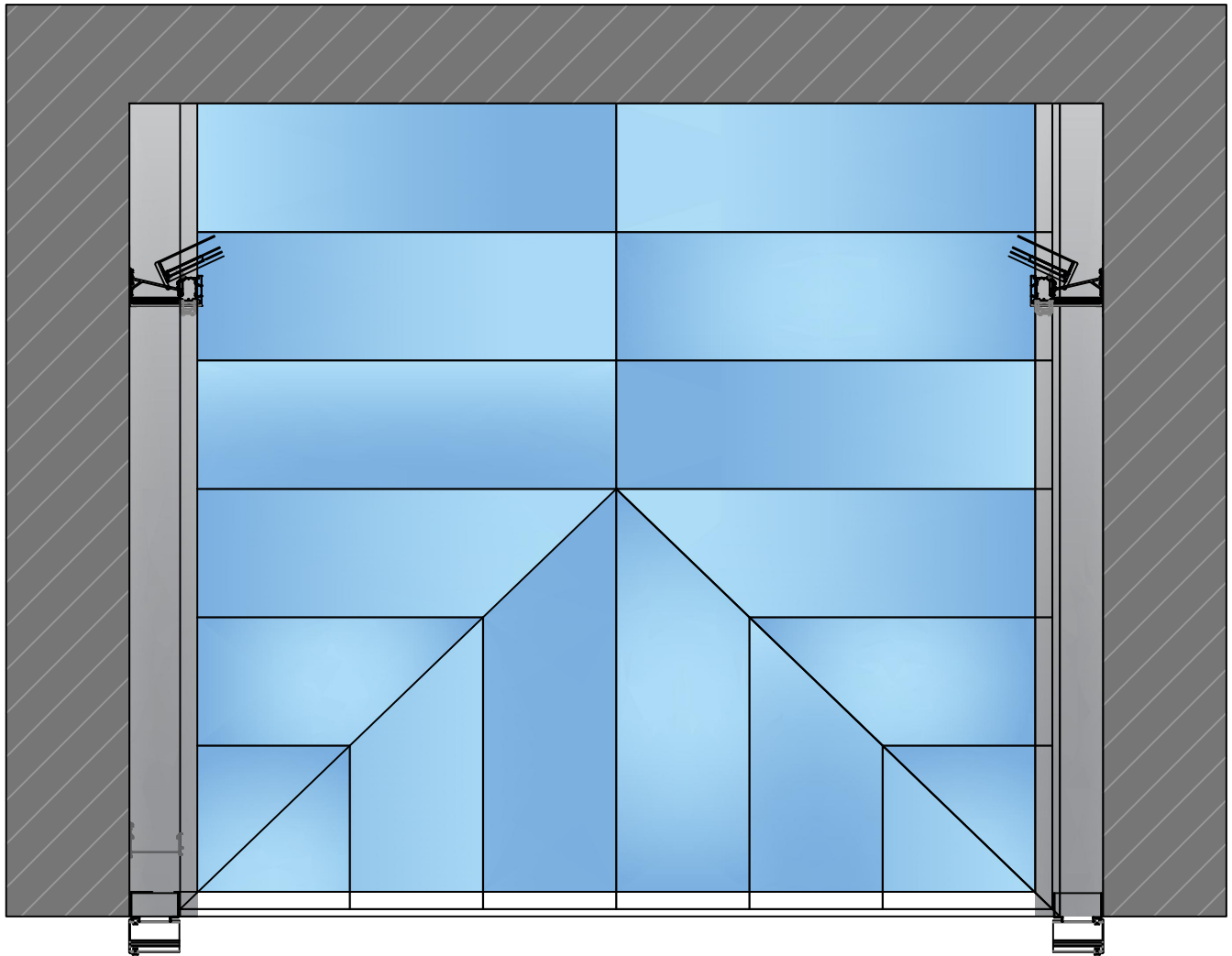to Inline Box
Gutter Adaptor
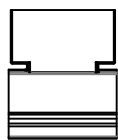
SKC-9441
Universal T Box
Gutter Adaptor

All Box Gutter Adaptors require Inline gutter unions (SKC-8035) to connect to roof guttering. SKC-9441 Universal T Box Gutter Adaptors are open ended and require handed gutter stop ends at host wall (SKC-8042).
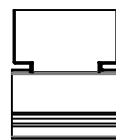
DO NOT SCALE FROM THIS DRAWING

GARNER ALUMINIUM EXTRUSIONS LTD
Denby Hall Business Park, Denby, Derbyshire DE5 8LE

SHEERLINE®
CONSERVATORY ROOF SYSTEM

Version 1.0
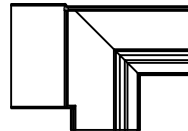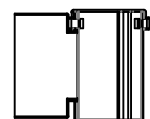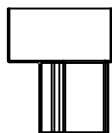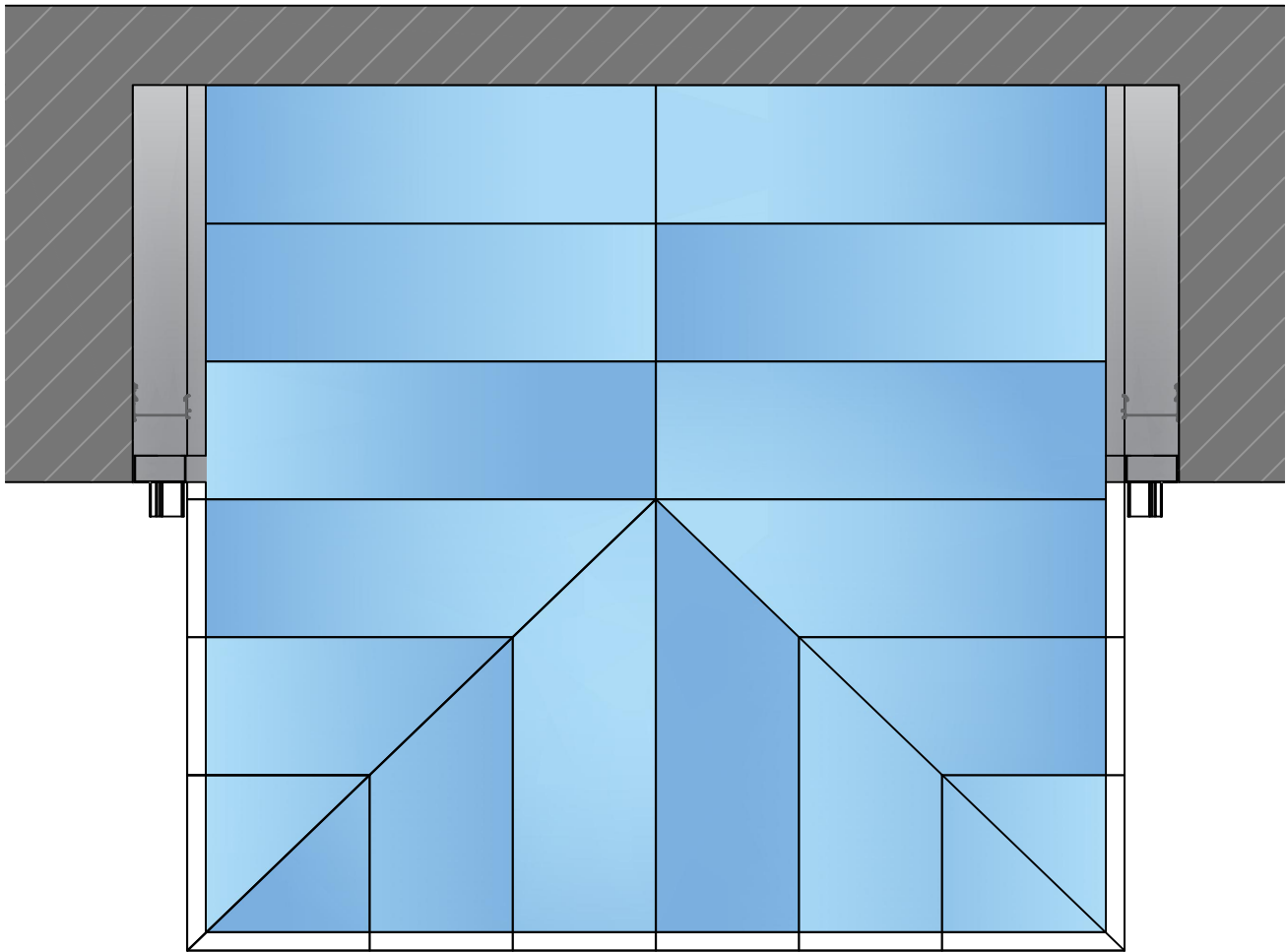
SKC-8044
LH Inline Box
Gutter Adaptor
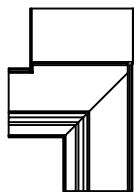
SKC-9455
RH Internal 90° to
Inline Box Gutter
Adaptor
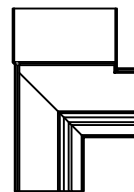
SKC-9454
LH Internal 90° to
Inline Box Gutter
Adaptor
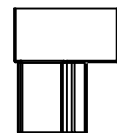
SKC-8045
RH Inline Box
Gutter Adaptor

All Box Gutter Adaptors require Inline gutter unions (SKC-8035) to connect to roof guttering.

DO NOT SCALE FROM THIS DRAWING

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Denby Hall Business Park, Denby, Derbyshire DE5 8LE
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SHEERLINE
CONSERVATORY ROOF SYSTEM

Version 1.0

BOX GUTTER ADAPTORS

SKC-9441
Universal T Box
Gutter Adaptor

SKC-9454
LH Internal 90° to
Inline Box Gutter
Adaptor

SKC-9455
RH Internal 90°
to Inline Box
Gutter Adaptor

SKC-9441
Universal T Box
Gutter Adaptor
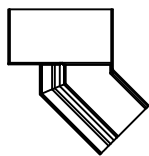
All Box Gutter Adaptors require Inline gutter unions (SKC-8035) to connect to roof guttering. SKC-9441 Universal T Box Gutter Adaptors are open ended and require handed gutter stop ends at host wall (SKC-8042).

DO NOT SCALE FROM THIS DRAWING

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Denby Hall Business Park, Denby, Derbyshire DE5 8LE

SHEERLINE
CONSERVATORY ROOF SYSTEM

Version 1.0

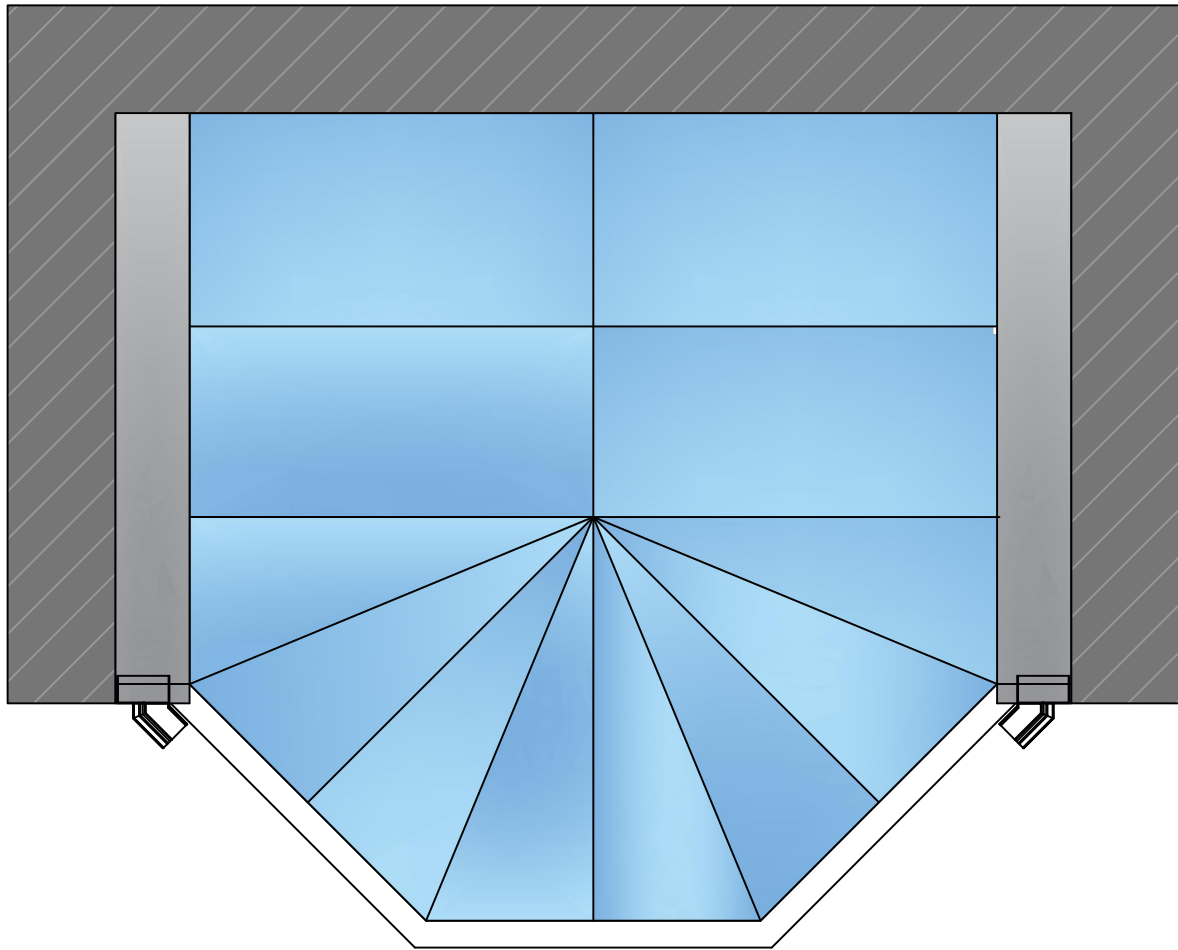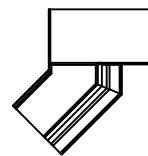| SKC-8042L LH Stop End | SKC-9441 Universal T Box Gutter Adaptor | SKC-9441 Universal T Box Gutter Adaptor | SKC-8042R RH Stop End |

All Box Gutter Adaptors require Inline gutter unions (SKC-8035) to connect to roof guttering. SKC-9441 Universal T Box Gutter Adaptors are open ended and require handed gutter stop ends at host wall (SKC-8042).

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BOX GUTTER ADAPTORS

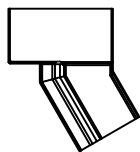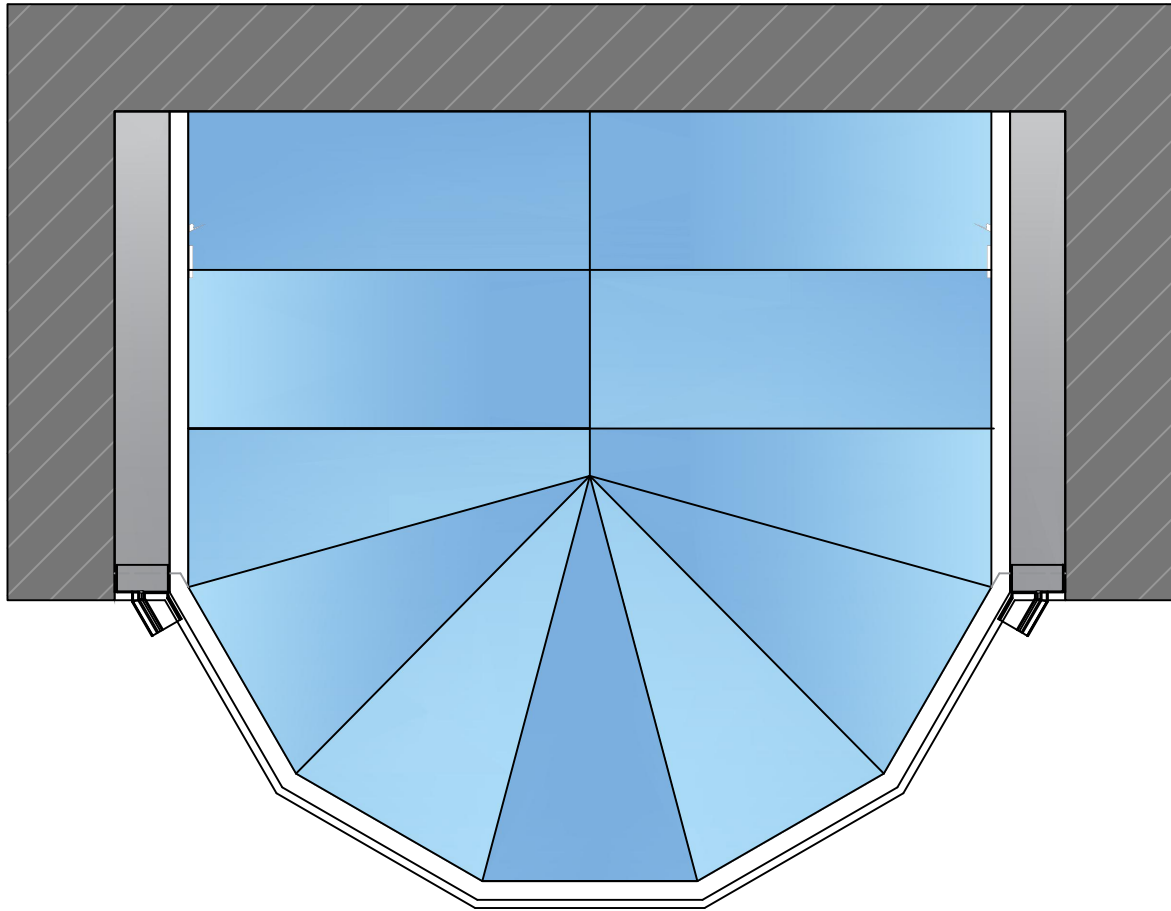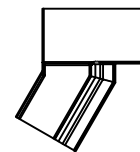SKC-8048
135° Box Gutter
Adaptor LH

SKC-8049
135° Box Gutter
Adaptor LH

All Box Gutter Adaptors require Inline gutter unions (SKC-8035) to connect to roof guttering.

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SKC-8050
150° Box Gutter
Adaptor LH

SKC-8051
150° Box Gutter
Adaptor RH

All Box Gutter Adaptors require Inline gutter unions (SKC-8035) to connect to roof guttering.

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