



50mm

Awning & Casement Windows



50mm Awning & Casement Windows

Technical Manual

January 2025 | ISSUE N

alspec[®]
EVERYTHING ALUMINIUM
& HARDWARE

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This page is intended to record all changes to the **50mm AWNING AND CASEMENT WINDOWS** technical manual pages.

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

ISSUE	DATE	Amendment Description	Refer to Tech Memo #
A	02/2020	Technical Manual Release	362
B	04/2020	Technical Specifications Updated	368
C	06/2020	Image amended Elevation SS chain 1345530 & snubber note added	381
D	08/2020	AS88 Awning sash machining detail added & screening detail on pages 8.2 & 8.3	400
E	05/2021	Removed HE387, AS88 and AS93 from Extrusions, Hardware, Typical Details and Manufacturing Details	464
F	10/2021	Added Test Summary on page 4.5	492
G	02/2022	Test Pages Added p.g: 4.6 - 4.15, New extrusions added to extrusions, typical details and manufacturing pages	505
H	07/2022	New Test Added and One Test Removed	524
I	09/2022	Added OT22-131 to Test Summary page 4.16	529
J	02/2023	Added OT22-145 to Test Summary page 4.17	540
K	09/2023	Added HE542 to page 5.13	559
L	11/2023	Added OT23-203 to Test Summary page 4.18	573
M	07/2024	Addition of HE561, HE574, HE575 and HE576 to pages 5.14, 8.31, 8.32, 10.31 - 10.34	593
N	12/2024	Addition of Euro Multipoint Awning on page 4.19, 5.17, 6.6 - 6.8, 7.1, 8.39 - 8.43, 9.3, 10.53 - 10.62 and 12.1	605

ALUMINIUM

Aluminium frames should be manufactured using Alspec's **50mm AWNING AND CASEMENT WINDOWS** framing system.

Awning

Maximum Height - 1800mm O/A Sash

Minimum Height - 450mm O/A Sash

Maximum Width - 2400mm O/A Sash

Minimum Width - 350mm O/A Sash

Maximum Sash Weight - 90kg (Refer Hardware pages for maximum stay sash weights).

Casement

Maximum Height - 1500mm O/A Sash

Minimum Height - 290mm O/A Sash

Maximum Width - 800mm O/A Sash

Minimum Width - 350mm O/A Sash

Maximum Sash Weight - 42kg (Refer Hardware pages for maximum stay sash weights).

HARDWARE

The hardware shall be Alspec specific glazing tapes, colour coded wedges and glazing channels for **50mm AWNING AND CASEMENT WINDOWS**.

- All other hardware as per Alspec Technical Manual.

FINISHED

- All powder coated material shall be produced to AS3715.

- All anodised material shall be produced to AS1231.

TESTING

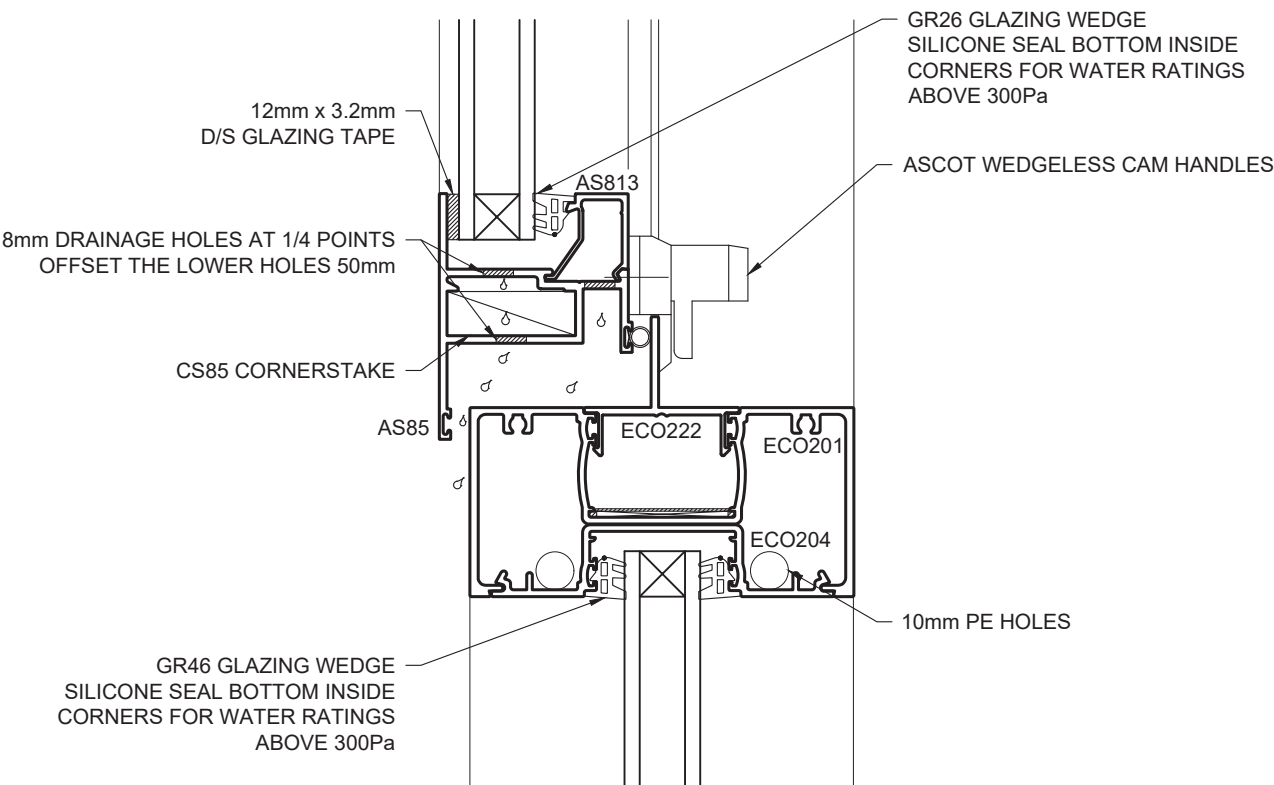
Product shall have a test report to show compliance to AS2047.

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

Fabricators of the 50mm AWNING AND CASEMENT WINDOWS framing system should seek certification by a consultant structural engineer as to the framing being acceptable for the design wind pressure and deflection characteristics required of the site.

AS2047 - ecoFRAMEplus 101.6mm Framing with Awning

TEST REPORT:	AS13-203
SYSTEM CONFIGURATION	ecoFRAMEplus 101.6mm A-F-F ECO201/ECO222/ECO204 TRANSOM AND AS85 AWNING SASH 1.8m H x 1.2m W WITH CAM HANDLES ONLY
TEST SAMPLE SIZE	2.225m H x 2.221m W
SERVICEABILITY LOAD	+/- 1201 Pa
ULTIMATE LOAD	+/- 1833 Pa
WATER PENETRATION	612 Pa
AIR INFILTRATION @ 75Pa	+ 0.20L/s/m ² - 0.30L/s/m ²



2 OFF CAM HANDLES FITTED 300mm FROM END OF SASH

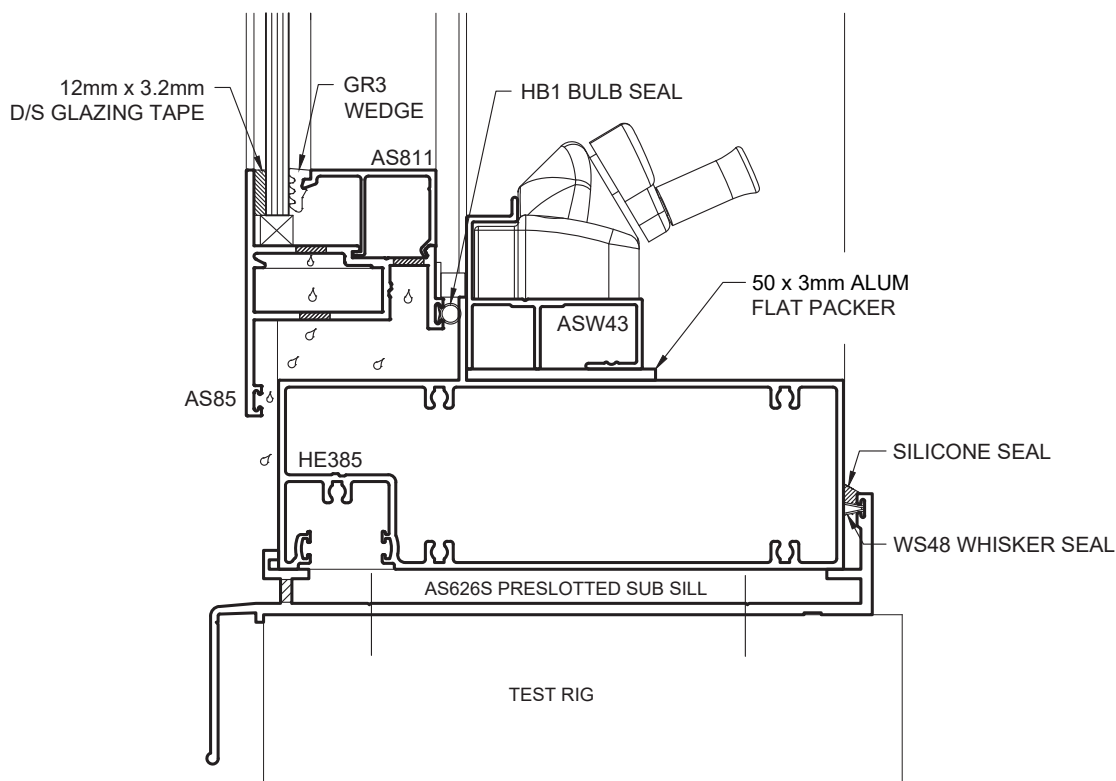
DISCLAIMER:

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

4. Test Summary

AS2047 - Hunter Evo 150mm Framing with Top Hung Awning

TEST REPORT:	AS16-290
SYSTEM CONFIGURATION	HUNTER EVO 150mm WITH AS85 AWNING SASH AND 2 OFF CAM HANDLES FITTED TO LOWER SASH VERTICALS
TEST SAMPLE SIZE	1.891m H x 1.2m W
SERVICEABILITY LOAD	+/- 1350 Pa
ULTIMATE LOAD	+/- 3190 Pa
WATER PENETRATION	450 Pa
AIR INFILTRATION @ 75Pa	+ 0.49L/s/m ² - 0.76L/s/m ²



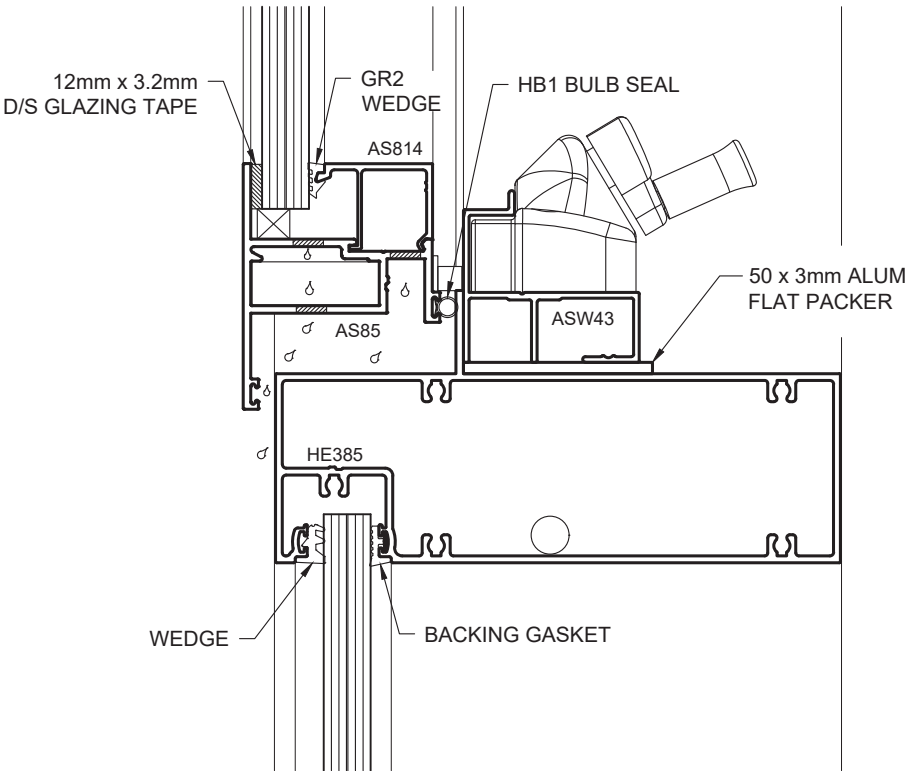
2 OFF CAM HANDLES FITTED 165mm UP FROM
THE TOP OF THE SILL ON BOTH SASH VERTICALS

DISCLAIMER:

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

AS2047 - Hunter Evo 150mm Framing with Top Hung Awning

TEST REPORT:	AS17-319
SYSTEM CONFIGURATION	HUNTER EVO 150mm FRAME A-F WITH AS85 AWNING SASH 1.79m H x 1.1m W AND FIXED LOWLITE WITH CHAINWINDER AND CAM HANDLES.
TEST SAMPLE SIZE	2.775m H x 1.1m W
SERVICEABILITY LOAD	+/- 2200 Pa
ULTIMATE LOAD	+/- 5120 Pa
WATER PENETRATION	660 Pa
AIR INFILTRATION @ 75Pa	+ 0.10L/s/m ² - 0.03L/s/m ²



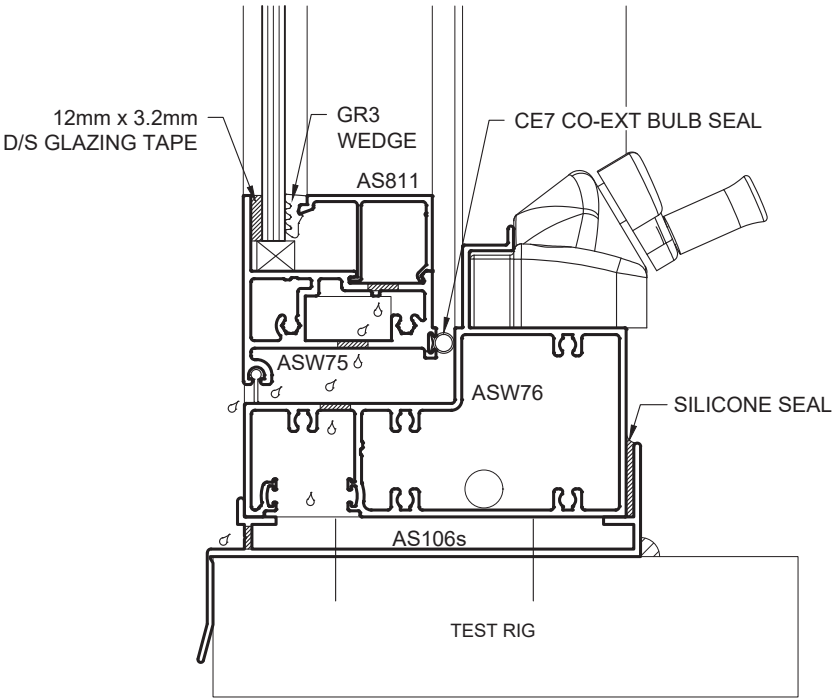
2 OFF CAM HANDLES FITTED 165mm UP FROM THE TOP OF THE SILL AND
2 OFF ALSO FITTED 920mm UP FROM THE TOP OF THE SILL ON BOTH SASH
VERTICALS

DISCLAIMER:
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4. Test Summary

AS2047 - Hunter Evo Evo 101.6mm Framing with Awning

TEST REPORT:	OT21-083
SYSTEM CONFIGURATION	HUNTER EVO 101.6mm FRAME WITH ASW75 AWNING SASH WITH CHAIN-WINDER AND CAM HANDLES
TEST SAMPLE SIZE	1.7m H x 1.0m W
ULTIMATE LOAD	+/- 4050 Pa
WATER PENETRATION	605 Pa
AIR INFILTRATION @ 75Pa	+ 0.13L/s/m ² - 0.16L/s/m ²



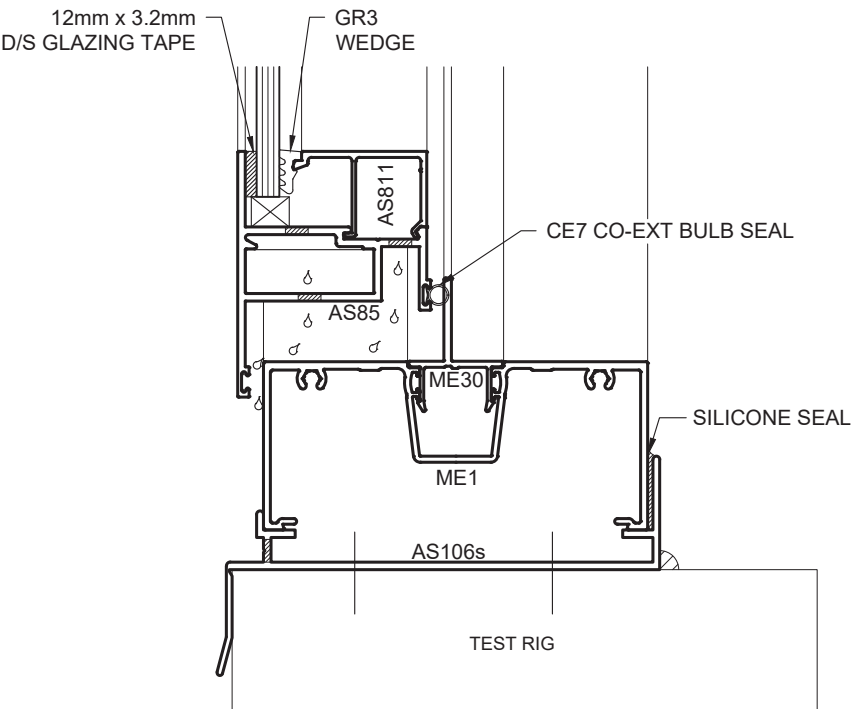
2 OFF CAM HANDLES FITTED 100mm UP EACH JAMB FROM THE SILL

DISCLAIMER:

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

AS2047 - McArthur Evo 101.6mm Framing with Awning

TEST REPORT:	OT21-087
SYSTEM CONFIGURATION	MARTHUR EVO 101.6mm FRAME WITH AS85 AWNING SASH WITH CAM HANDLES ONLY.
TEST SAMPLE SIZE	1.8m H x 1.0m W
ULTIMATE LOAD	+/- 2038 Pa
WATER PENETRATION	602 Pa
AIR INFILTRATION @ 75Pa	+ 0.19 L/s/m ² - 0.32 L/s/m ²



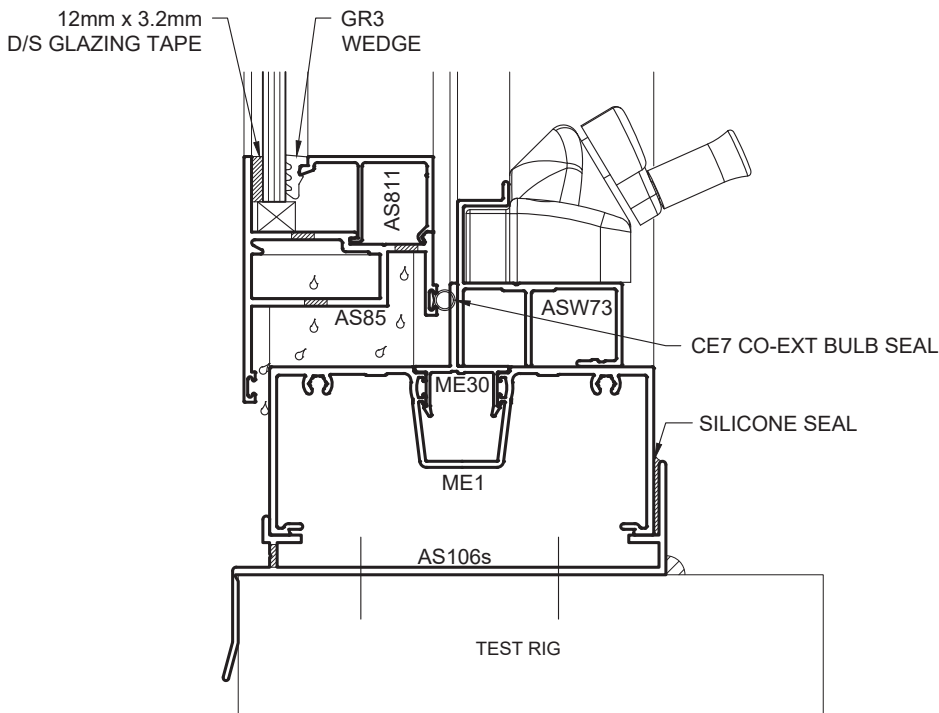
2 OFF CAM HANDLES FITTED 120mm UP EACH JAMB FROM THE SILL

DISCLAIMER:
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4. Test Summary

AS2047 - McArthur Evo 101.6mm Framing with Awning

TEST REPORT:	OT21-081
SYSTEM CONFIGURATION	MCARTHUR EVO 101.6mm FRAME WITH AS85 AWNING SASH WITH CHAIN-WINDER AND CAM HANDLES.
TEST SAMPLE SIZE	1.8m H x 1.0m W
SERVICEABILITY LOAD	+/- 2000 Pa
ULTIMATE LOAD	+/- 4267 Pa
WATER PENETRATION	600 Pa
AIR INFILTRATION @ 75Pa	+ 0.05 L/s/m ² - 0.19 L/s/m ²



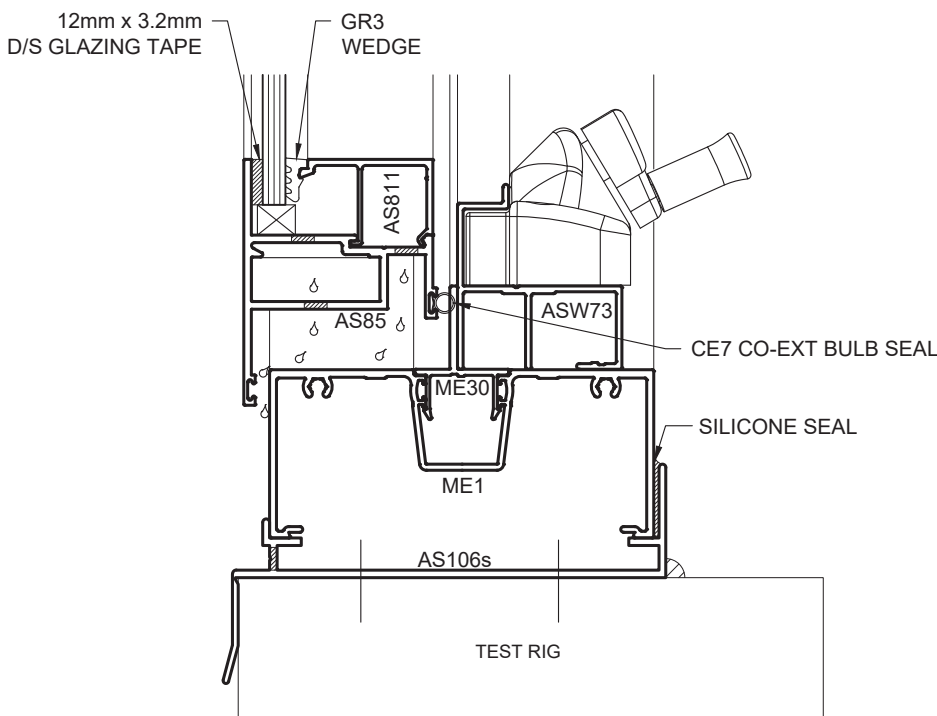
2 OFF CAM HANDLES FITTED 120mm UP EACH JAMB FROM THE SILL

DISCLAIMER:

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AS2047 - McArthur Evo 101.6mm Framing with Awning

TEST REPORT:	OT21-086
SYSTEM CONFIGURATION	MCARTHUR EVO 101.6mm FRAME WITH AS85 AWNING SASH WITH CHAIN-WINDER ONLY
TEST SAMPLE SIZE	1.8m H x 1.0m W
SERVICEABILITY LOAD	+/- 1500 Pa
ULTIMATE LOAD	+/- 2023 Pa
WATER PENETRATION	450 Pa
AIR INFILTRATION @ 75Pa	+ 0.23 L/s/m ² - 2.44 L/s/m ²



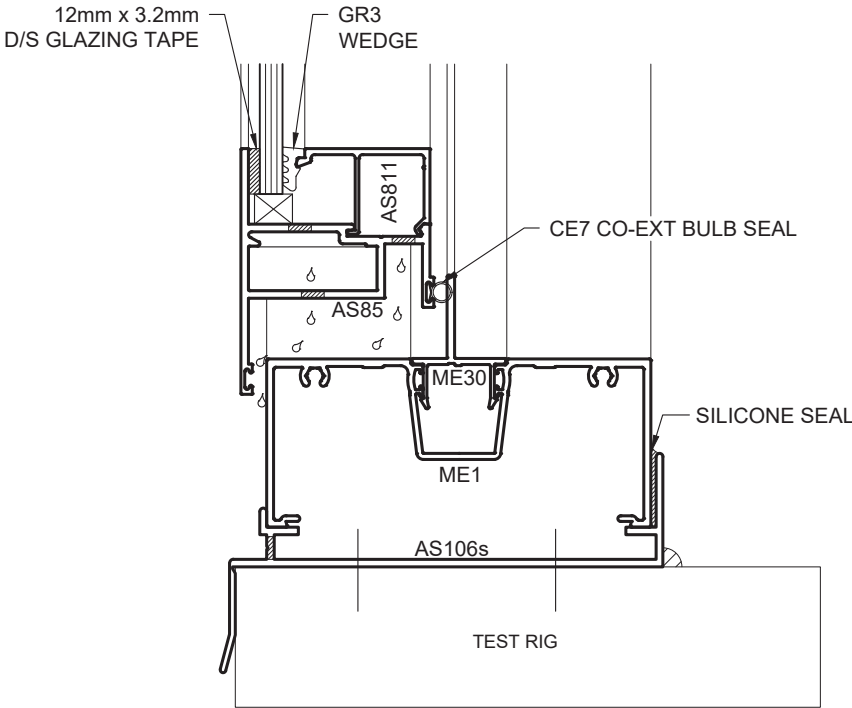
DISCLAIMER:

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4. Test Summary

AS2047 - McArthur Evo 101.6mm Framing with Awning

TEST REPORT:	OT21-085
SYSTEM CONFIGURATION	MCARTHUR EVO 101.6mm FRAME WITH AS85 AWNING SASH WITH CAM HANDLES ONLY.
TEST SAMPLE SIZE	1.5m H x 1.2m W
ULTIMATE LOAD	+/- 2002 Pa
WATER PENETRATION	602 Pa
AIR INFILTRATION @ 75Pa	+ 1.52 L/s/m ² - 2.06 L/s/m ²



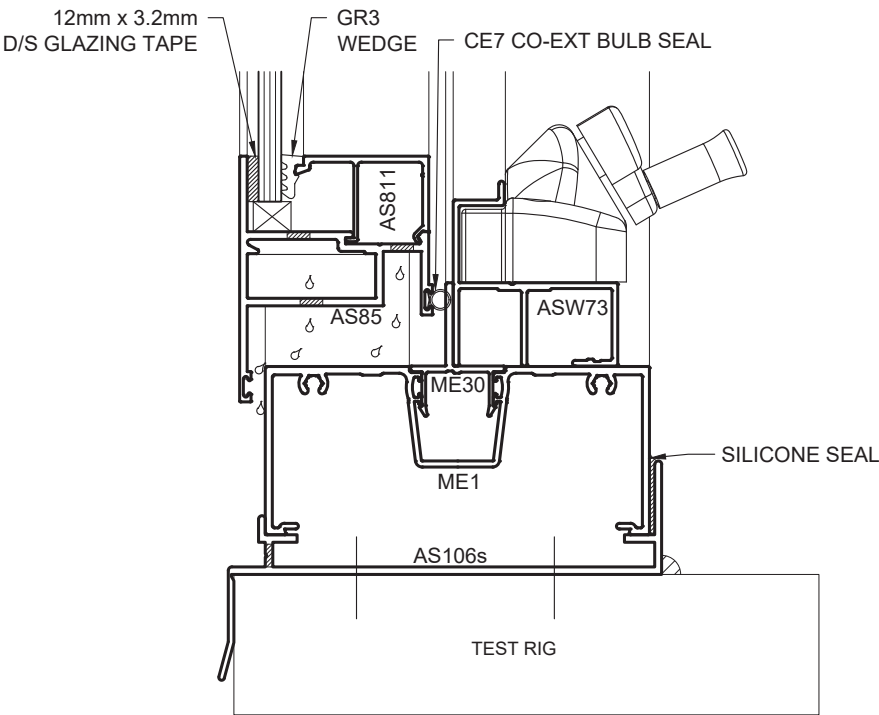
2 OFF CAM HANDLES FITTED 120mm UP EACH JAMB FROM THE SILL

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AS2047 - McArthur Evo 101.6mm Framing with Awning

TEST REPORT:	OT21-082
SYSTEM CONFIGURATION	MARTHUR EVO 101.6mm FRAME WITH AS85 AWNING SASH WITH CHAIN-WINDER AND CAM HANDLES
TEST SAMPLE SIZE	1.542m H x 1.22m W
SERVICEABILITY LOAD	+/- 2005 Pa
ULTIMATE LOAD	+/- 4210 Pa
WATER PENETRATION	602 Pa
AIR INFILTRATION @ 75Pa	+ 0.46 L/s/m ² - 0.56 L/s/m ²



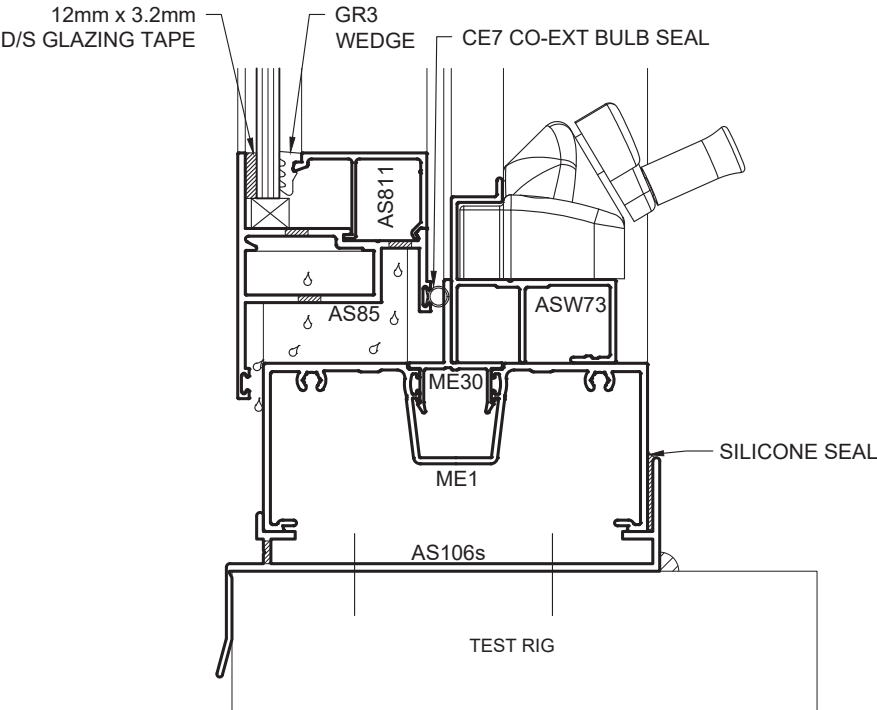
2 OFF CAM HANDLES FITTED 120mm UP EACH JAMB FROM THE SILL

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4. Test Summary

AS2047 - McArthur Evo 101.6mm Framing with Awning

TEST REPORT:	OT21-084
SYSTEM CONFIGURATION	MCARTHUR EVO 101.6mm FRAME WITH AS85 AWNING SASH WITH CHAIN-WINDER ONLY
TEST SAMPLE SIZE	1.542m H x 1.22m W
SERVICEABILITY LOAD	+/- 1503 Pa
ULTIMATE LOAD	+/- 2050 Pa
WATER PENETRATION	450 Pa
AIR INFILTRATION @ 75Pa	+ 0.07 L/s/m ² - 0.08 L/s/m ²

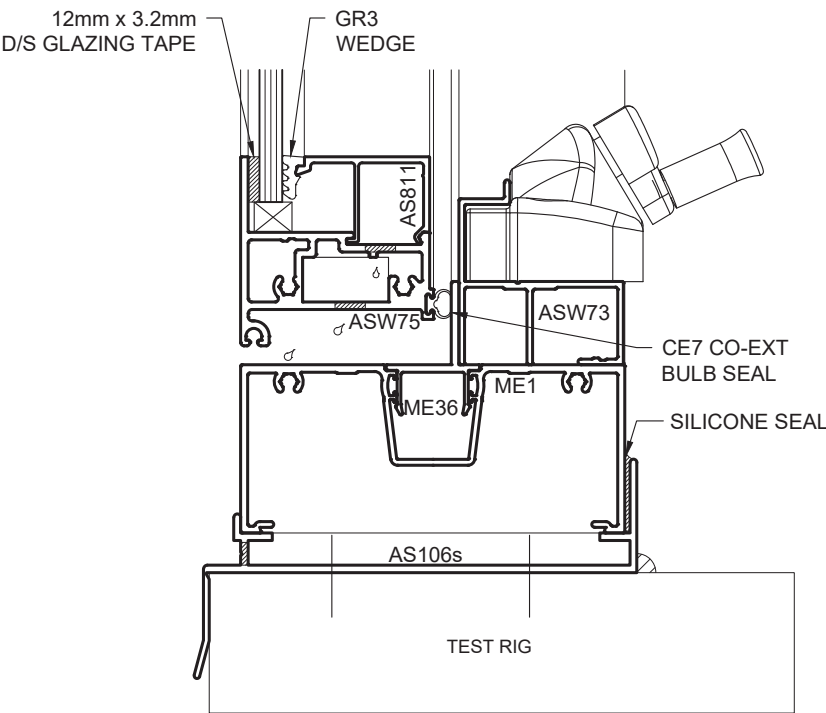


DISCLAIMER:

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

AS2047 - McArthur Evo 101.6mm Framing with Top Hung Awning

TEST REPORT:	OT21-091
SYSTEM CONFIGURATION	MCARTHUR EVO 101.6mm FRAME WITH ASW75 AWNING SASH WITH CHAIN-WINDER AND CAM HANDLES.
TEST SAMPLE SIZE	1.522m H x 1.22m W
SERVICEABILITY LOAD	+/- 2005 Pa
ULTIMATE LOAD	+/- 4014 Pa
WATER PENETRATION	600 Pa
AIR INFILTRATION @ 75Pa	+ 0.12 L/s/m ² - 0.06 L/s/m ²



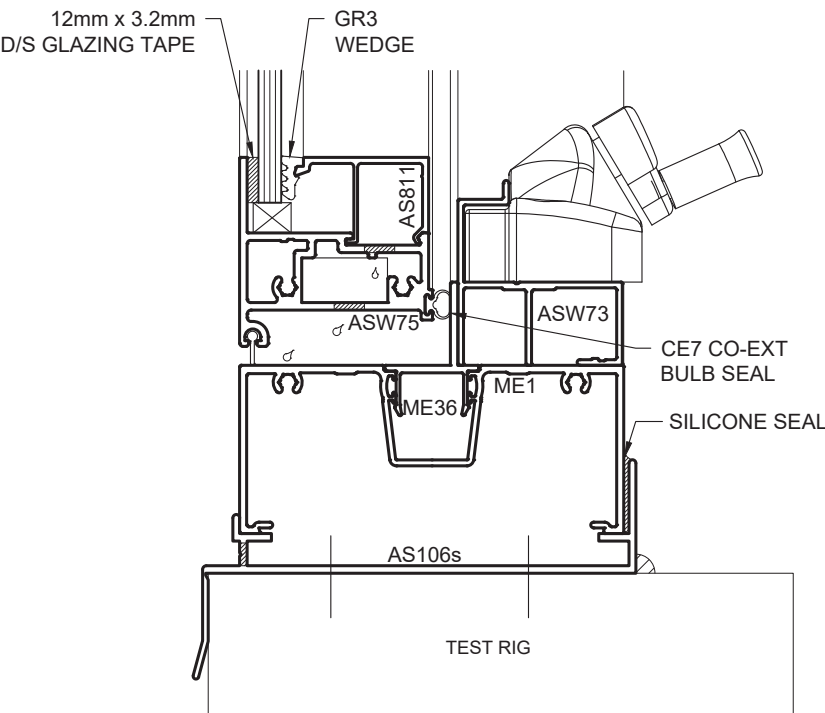
2 OFF CAM HANDLES FITTED 120mm UP EACH JAMB FROM THE SILL

DISCLAIMER:
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4. Test Summary

AS2047 - McArthur Evo 101.6mm Framing with Top Hung Awning

TEST REPORT:	OT21-092
SYSTEM CONFIGURATION	MCARTHUR EVO 101.6mm FRAME WITH HI-LITE A-F, ME26 TRANSOM, ASW75 AWNING SASH 1.5m H x 1.2m W WITH CHAIN-WINDER AND CAM HANDLES.
TEST SAMPLE SIZE	2.455m H x 1.2m W
SERVICEABILITY LOAD	+/- 2005 Pa
ULTIMATE LOAD	+/- 3524 Pa
WATER PENETRATION	600 Pa
AIR INFILTRATION @ 75Pa	+ 0.03 L/s/m ² - 0.07 L/s/m ²



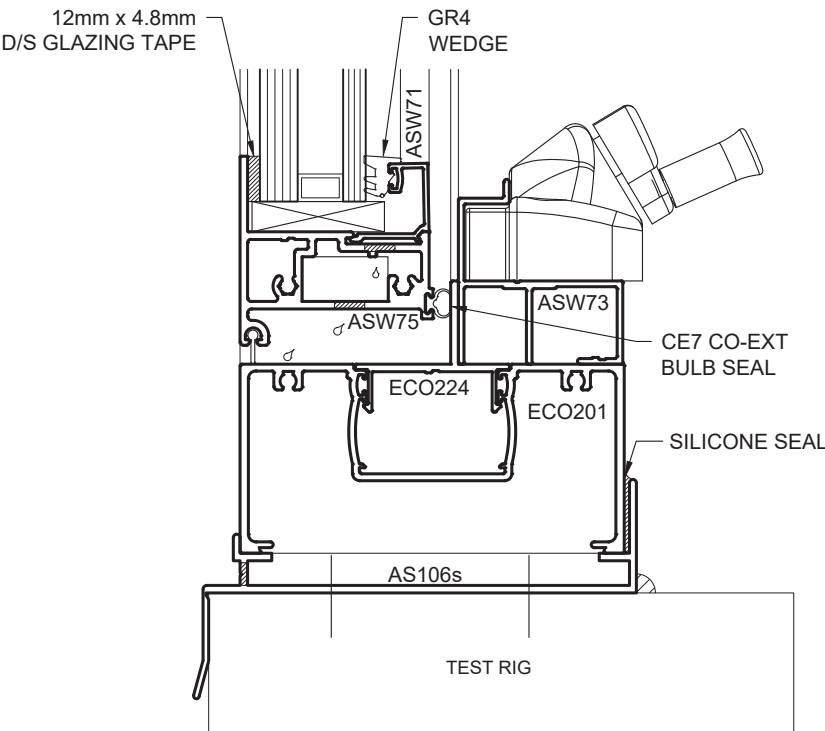
2 OFF CAM HANDLES FITTED 120mm UP EACH JAMB FROM THE SILL

DISCLAIMER:

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

AS2047 - ecoFRAMEplus 101.6mm Framing with Top Hung Awning

TEST REPORT:	OT22-103
SYSTEM CONFIGURATION	ecoFRAMEplus 101.6mm FRAME WITH ASW75 AWNING SASH WITH CHAIN-WINDER, CAM HANDLES AND RESTRICTORS
TEST SAMPLE SIZE	1.522m H x 1.22m W
SERVICEABILITY LOAD	+/- 2002 Pa
ULTIMATE LOAD	+/- 4014 Pa
WATER PENETRATION	602 Pa
AIR INFILTRATION @ 75Pa	+ 0.11 L/s/m ² - 0.27 L/s/m ²



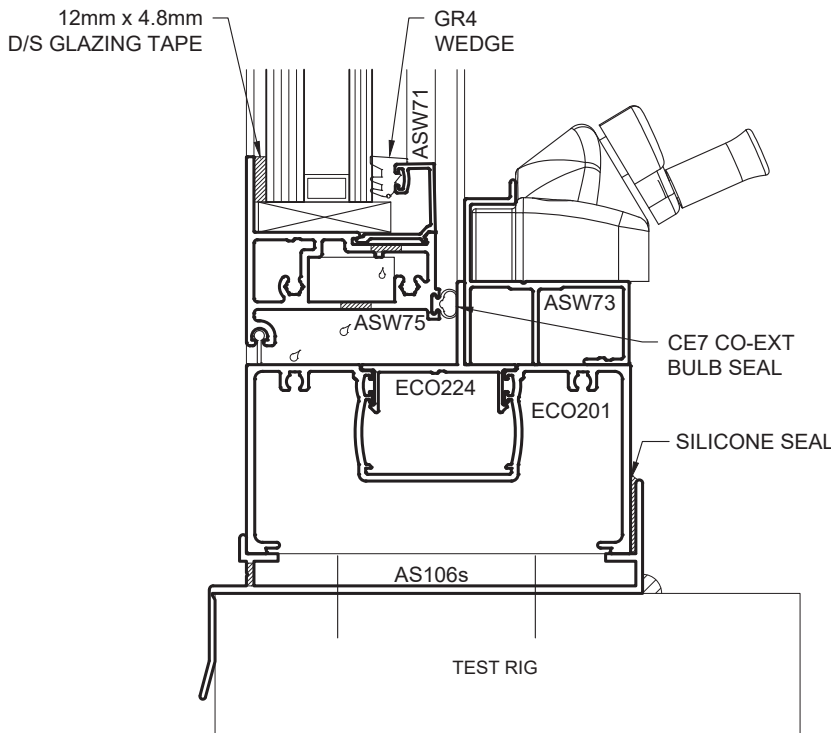
2 OFF CAM HANDLES FITTED 120mm UP EACH JAMB FROM THE SILL

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

4. Test Summary

AS2047 - ecoFRAMEplus 101.6mm Framing with Top Hung Awning

TEST REPORT:	OT21-090
SYSTEM CONFIGURATION	ecoFRAMEplus 101.6mm FRAME WITH HI-LITE A-F, ECO232 TRANSOM, ASW75 AWNING SASH 1.5m H x 1.2m W WITH CHAIN-WINDER AND CAM HANDLES.
TEST SAMPLE SIZE	2.45m H x 1.2m W
SERVICEABILITY LOAD	+/- 2002 Pa
ULTIMATE LOAD	+/- 4117 Pa
WATER PENETRATION	600 Pa
AIR INFILTRATION @ 75Pa	+ 0.14 L/s/m ² - 0.07 L/s/m ²



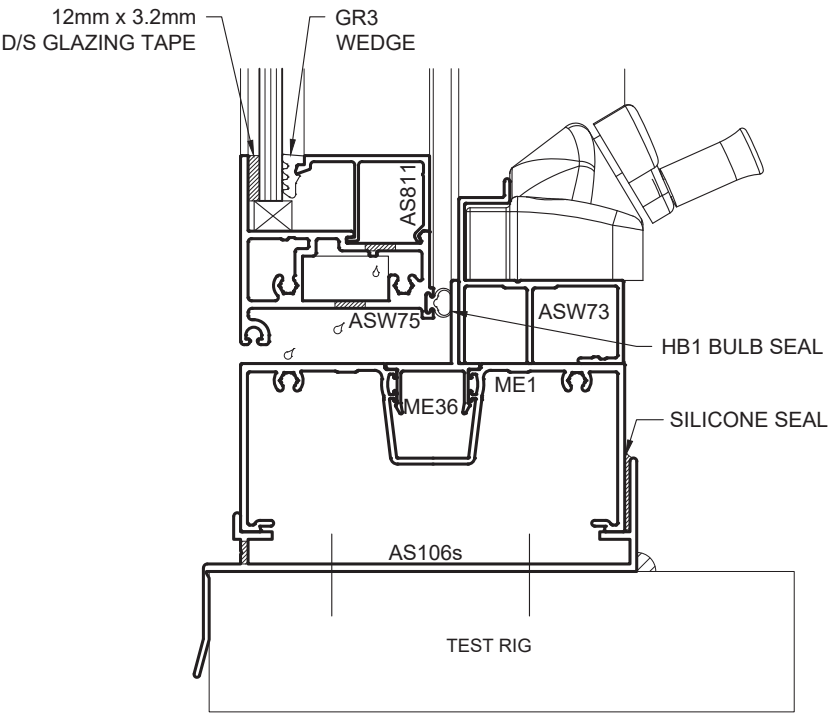
2 OFF CAM HANDLES FITTED 120mm UP EACH JAMB FROM THE SILL

DISCLAIMER:

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

AS2047 - McArthur Evo 101.6mm Framing with Top Hung Awning

TEST REPORT:	OT22-120
SYSTEM CONFIGURATION	MCCARTHUR EVO 101.6mm FRAME WITH ASW75 AWNING SASH, WITH CHAIN-WINDER AND CAM HANDLES.
TEST SAMPLE SIZE	0.8m H x 2.43m W
SERVICEABILITY LOAD	+/- 2000 Pa
ULTIMATE LOAD	+/- 3880 Pa
WATER PENETRATION	1000 Pa
AIR INFILTRATION @ 75Pa	+ 0.07 L/s/m ² - 0.14 L/s/m ²



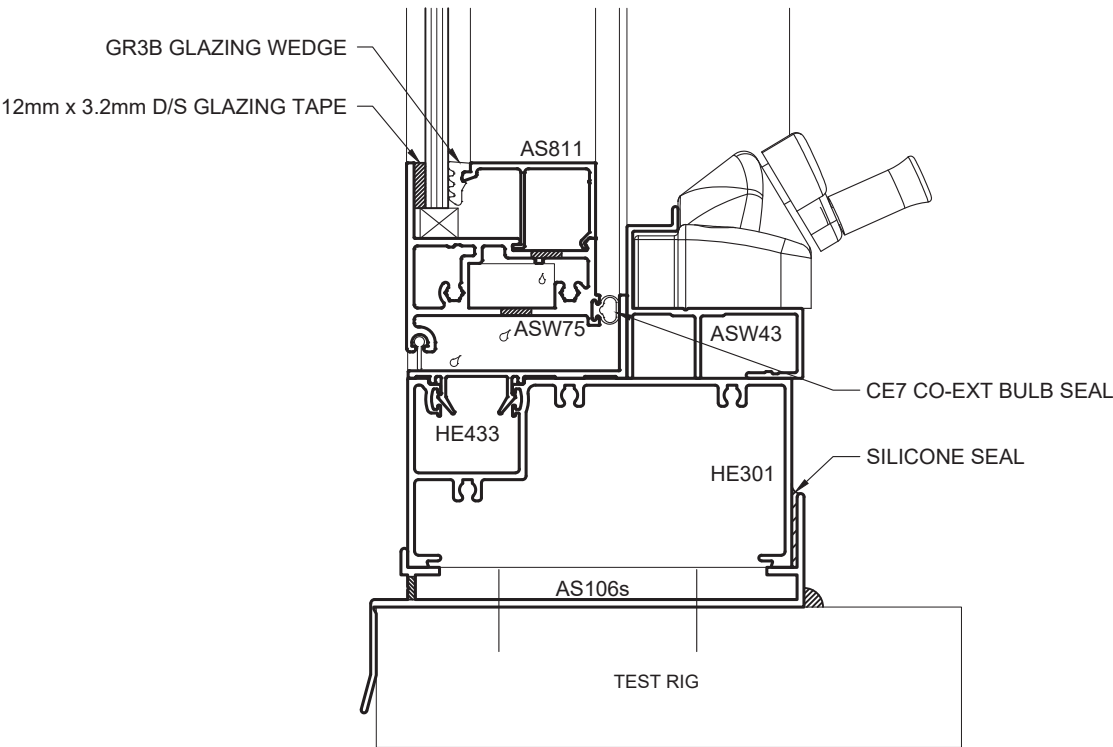
2 OFF CAM HANDLES FITTED 100mm UP EACH JAMB FROM THE SILL

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

4. Test Summary

AS2047 - Hunter Evo 101.6mm Framing with Awning

TEST REPORT:	OT22-131
SYSTEM CONFIGURATION	HUNTER EVO 101.6mm FRAME WITH ASW75 AWNING SASH, WITH CHAIN-WINDER.
TEST SAMPLE SIZE	1.6m H x 1.25m W
SERVICEABILITY LOAD	+/- 1801 Pa
ULTIMATE LOAD	+/- 2002 Pa
WATER PENETRATION	540 Pa
AIR INFILTRATION @ 75Pa	+ 0.08 L/s/m ² - 0.14 L/s/m ²

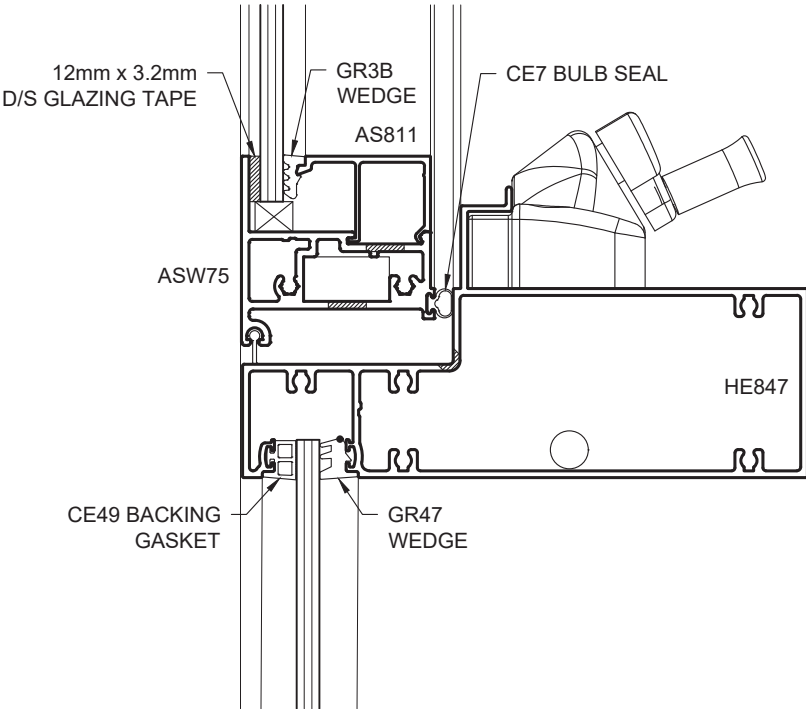


DISCLAIMER:

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AS2047 - Hunter Evo 150mm Framing with Awning

TEST REPORT:	OT22-145
SYSTEM CONFIGURATION	HUNTER EVO 150mm A/F-F/F HE362 / HE363 MULLION HE371 / HE370 TRANSOM AND AS74 AWNING SASH 1.64m H x 1.3m W
TEST SAMPLE SIZE	2.85m H x 2.6m W
SERVICEABILITY LOAD	+/- 1602 Pa
ULTIMATE LOAD	+/- 4012 Pa
WATER PENETRATION	480 Pa
AIR INFILTRATION @ 75Pa	+ 0.01 L/s/m ² - 0.12 L/s/m ²

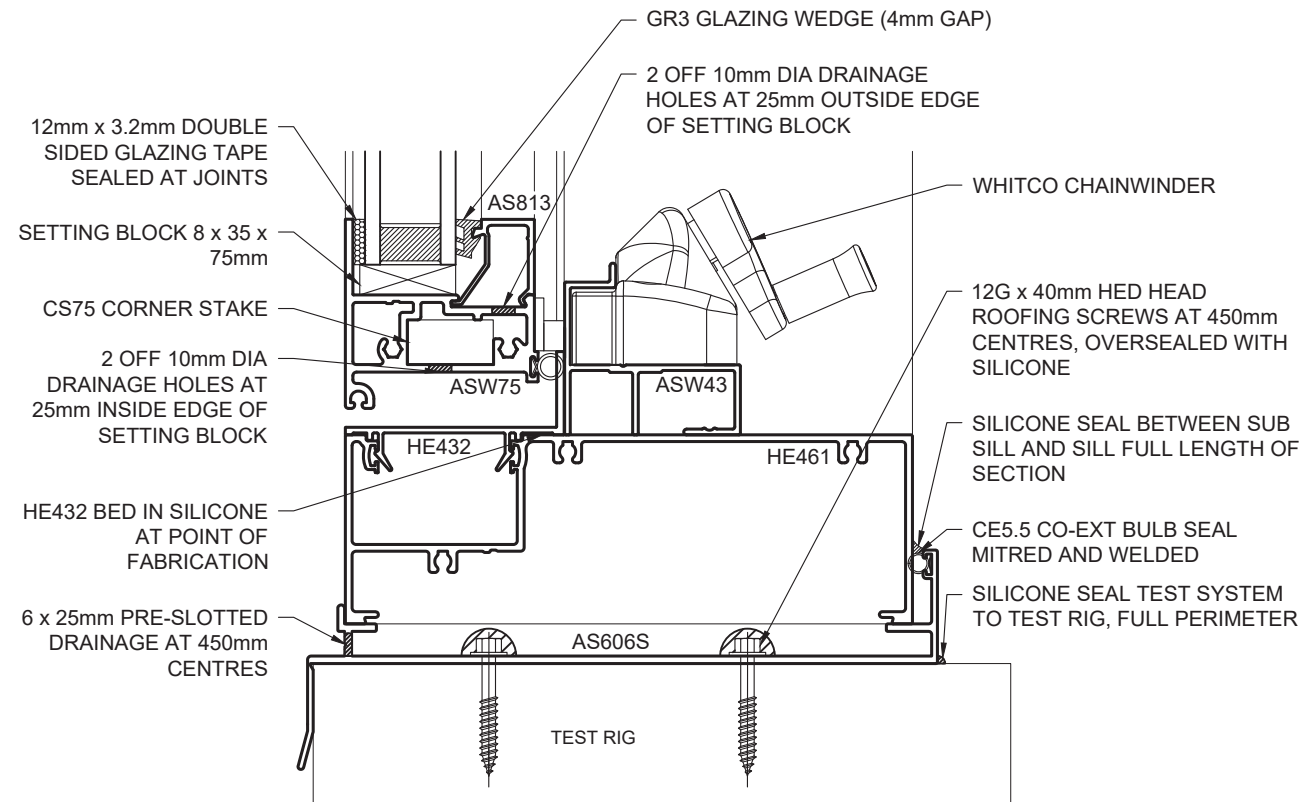


DISCLAIMER:
Please note that the test results shown above reflect specific configurations of a system and are representative only. If a specific high wind load or a different configuration (i.e. changes to frames, transoms, mullions) is required on a project please discuss with Alspec prior to commencement.

4. Test Summary

AS2047 - Hunter Evo 150mm Framing with Awning

TEST REPORT:	OT23-203
SYSTEM CONFIGURATION	HUNTER EVO 150mm F-A HE471 / HE542 TRANSOM AND AS75 AWNING SASH 1.6m H x 1.27m W WITH CHAINWINDER AND CAM HANDLES
TEST SAMPLE SIZE	2.14m H x 1.27m W
SERVICEABILITY LOAD	+/- 1332 Pa
ULTIMATE LOAD	+/- 4010 Pa
WATER PENETRATION	399 Pa
AIR INFILTRATION @ 75Pa	+ 0.09 L/s/m ² - 0.30 L/s/m ²

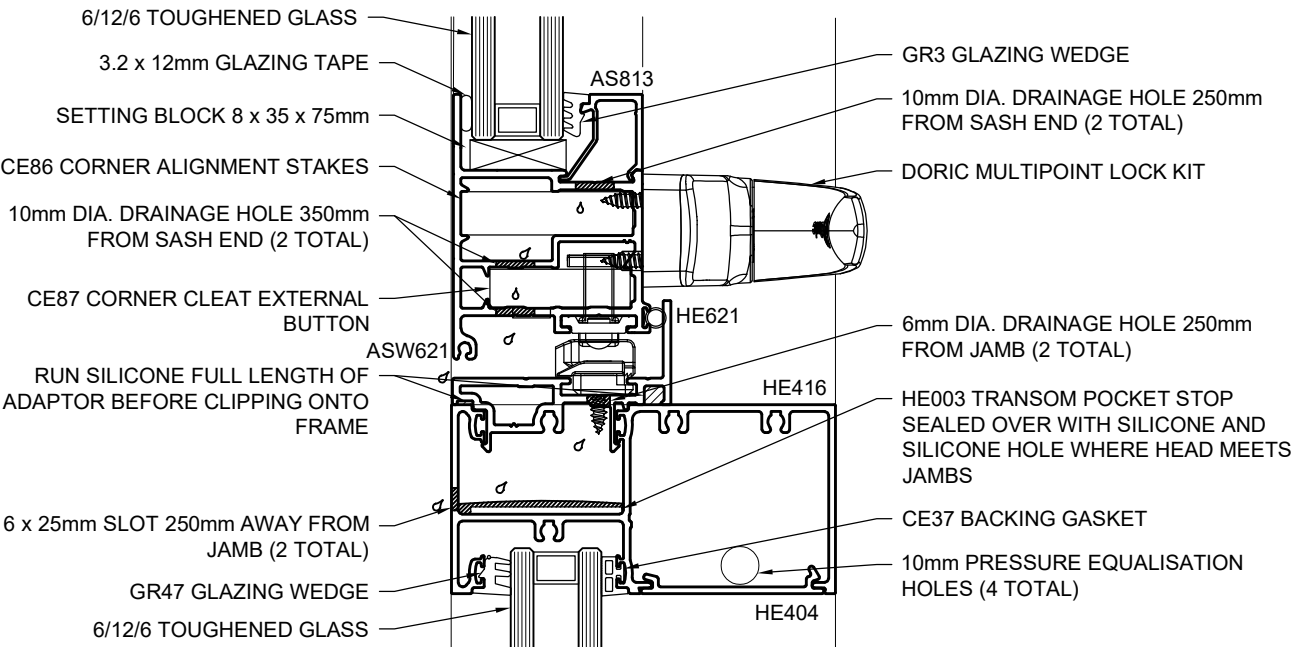


DISCLAIMER:

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

AS2047 - Hunter Evo 101.6mm Framing with Euro Multipoint Awning

TEST REPORT:	OT24-258.1
SYSTEM CONFIGURATION	HUNTER EVO 101.6mm A/F HE416 TRANSOM AND ASW621 AWNING SASH 1.85m H x 1.044m W
TEST SAMPLE SIZE	2.741m H x 1.044m W
SERVICEABILITY LOAD	+/- 3001 Pa
ULTIMATE LOAD	+/- 4163 Pa
WATER PENETRATION	601 Pa
AIR INFILTRATION @ 75Pa	+ 0.42 L/s/m ² - 0.30 L/s/m ²
OPERATING FORCE TEST	
INITIAL OPENING	9.8 N
INITIAL CLOSING	34.3 N
SUSTAINED OPENING	20.3 N
SUSTAINED CLOSING	37.6 N



DISCLAIMER:

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

Acoustic - AS/NZS ISO 717.1

TEST REPORT	PRODUCT DESCRIPTION	SIZE	GLASS	Rw
4863-r18	HUNTER EVO 150mm WITH AS85 AWNING FIXED OVER FIXED / FIXED - AWNING SIZE 1500mm (H) AND 900mm (W)	1.2m (H) x 1.8m (W)	6.38mm CLEAR LAMINATE	33
14-104	MCARTHUR EVO 101.6mm WITH AS85 AWNING OVER FIXED FIXED - AWNING SIZE 1200mm (H) AND 900mm (W)	2.1m (H) x 1.8m (W)	6.38mm CLEAR LAMINATE	32
TL636-03-2	HUNTER EVO 101 SG FIXED OVER AWNING OVER FIXED ASW72 SASH, ASW70 HINGED HEAD	1.2m (H) x 1.8m (W)	12.76mm ACOUSTIC LAMINATE	38
TL636-01-2	HUNTER EVO 101.6mm DG FIXED OVER AWNING OVER FIXED ASW72 SASH, ASW70 HINGED HEAD	1.2m (H) x 1.8m (W)	6.76mm ACOUSTIC LAMINATE / 13.5mm ARGON / 6.76 ACOUSTIC LAMINATE	41

NOTE: ASW72 SASH HAS BEEN REPLACED WITH ASW75 50mm STRAIGHT SASH AND ASW70 HINGED HEAD HAS BEEN REPLACED WITH ASW74 50mm TOP HUNG AWNING SASH.

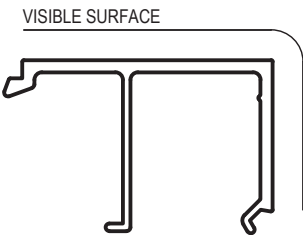
BAL40 - AS 1530.8.1-2007

TEST REPORT	PRODUCT DESCRIPTION	SIZE	GLASS	SEALS	RESULT
FSZ1662A	HUNTER EVO FRAME AS85 AWNING WINDOW	0.8m (H) x 0.56m (W)	6mm CLEAR TOUGHENED	GR3FR	BALA40

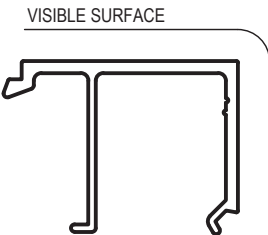
DISCLAIMER:

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

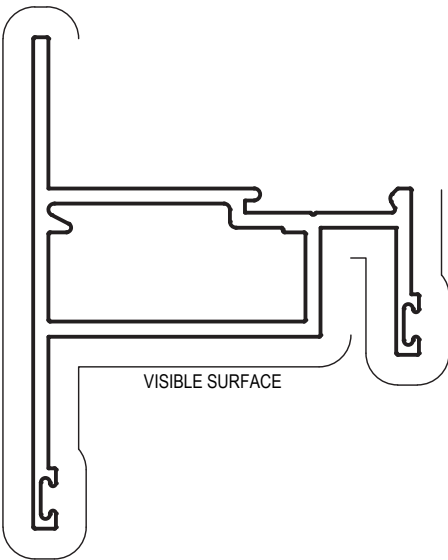
Awning Sash



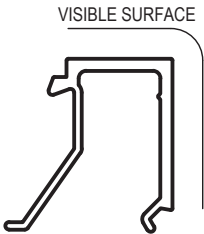
AS811
BEAD
(4-8mm GLASS)
Mass. 0.322 Kg/m
Anod. Per. 169
Paint Per. 100



AS814
BEAD
(10-12mm GLASS)
Mass. 0.303 Kg/m
Anod. Per. 160
Paint Per. 100



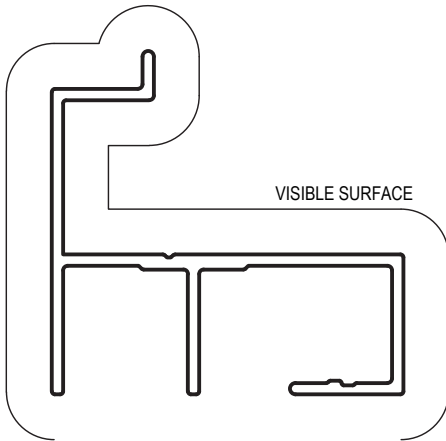
AS85
50mm SASH
Mass. 1.026 Kg/m
Anod. Per. 291
Paint Per. 215



AS813
BEAD DG
(24/25mm GLASS)
Mass. 0.238 Kg/m
Anod. Per. 131
Paint Per. 100

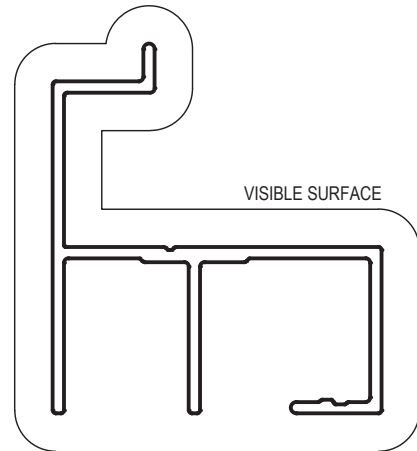
NOTE : REFER TO SECTION 12 FOR GLAZING DETAILS

Awning & Concealed Winders



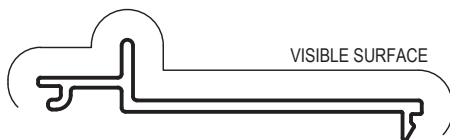
ASW43
AWNING WINDER
ADAPTOR

Mass. 0.624 Kg/m
Anod. Per. 299
Paint Per. 160



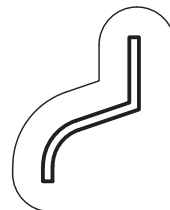
ASW73
AWNING WINDER
ADAPTOR 50mm SASH

Mass. 0.643 Kg/m
Anod. Per. 308
Paint Per. 164



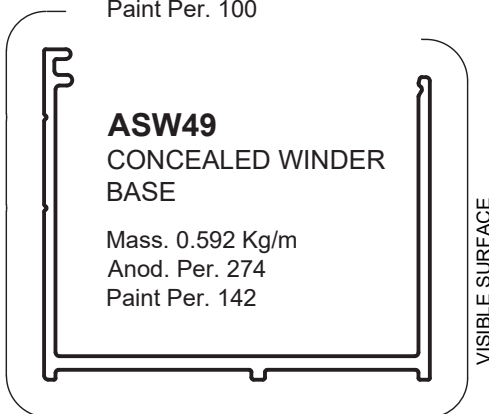
ASW48
CONCEALED WINDER
COVER

Mass. 0.257 Kg/m
Anod. Per. 133
Paint Per. 100



ASW11
DRIP MOULD

Mass. 0.090 Kg/m
Anod. Per. 100
Paint Per. 100

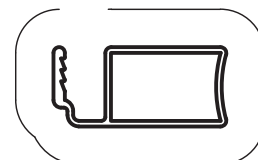


ASW49
CONCEALED WINDER
BASE

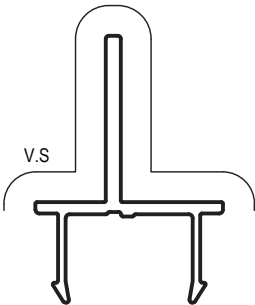
Mass. 0.592 Kg/m
Anod. Per. 274
Paint Per. 142

FS2
25 x 11mm EXTRUDED
FLYSCREEN

Mass. 0.144 Kg/m
Anod. Per. 100
Paint Per. 100

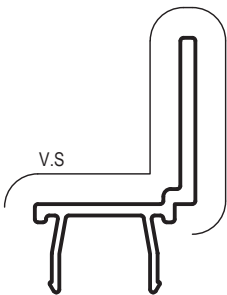
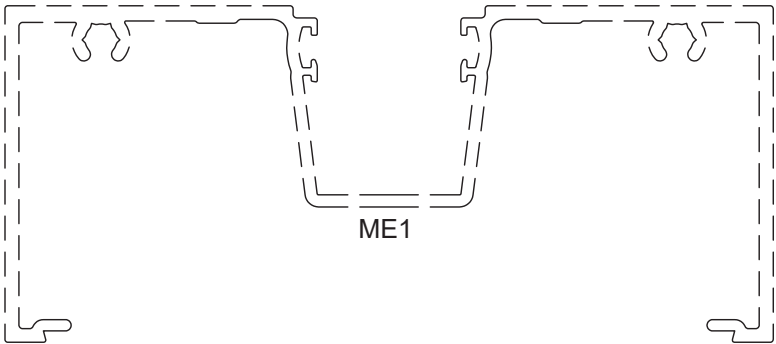


McArthur Evo & Derwent Sash Adaptors



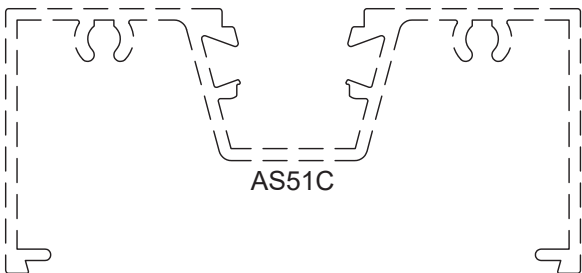
ME30
50mm SASH
ADAPTOR

Mass. 0.293 Kg/m
Anod. Per. 143
Paint Per. 100



AS585
50mm SASH ADAPTOR

Mass. 0.268 Kg/m
Anod. Per. 131
Paint Per. 100

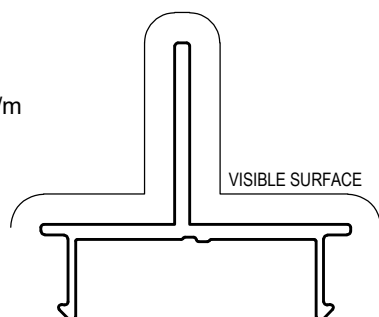


ecoFRAMEplus Sash Adaptors

ECO222

50mm SASH
ADAPTOR

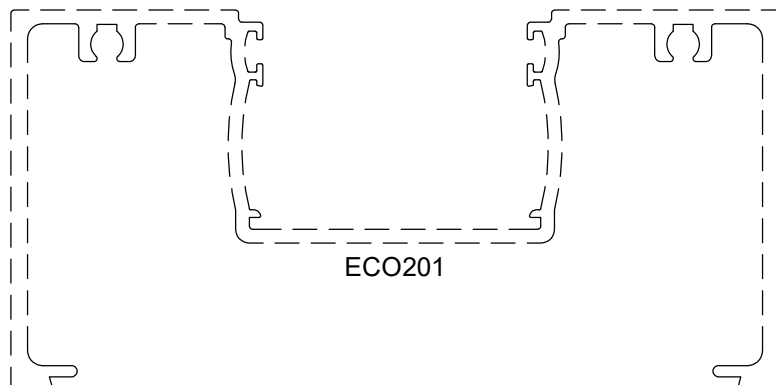
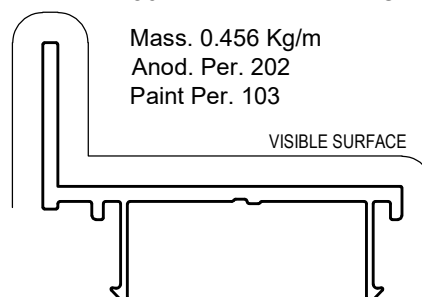
Mass. 0.406 Kg/m
Anod. Per. 178
Paint Per. 100



ECO285

50mm SASH ADAPTOR

Mass. 0.456 Kg/m
Anod. Per. 202
Paint Per. 103



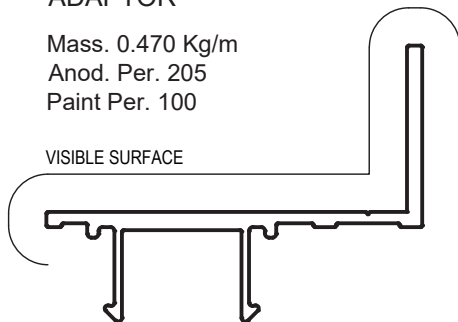
Hunter Evo Sash Adaptors & Transoms

NOTE:
SAME SASH ADAPTORS
USED IN 150mm FRAMES

HE321

50mm SASH
ADAPTOR

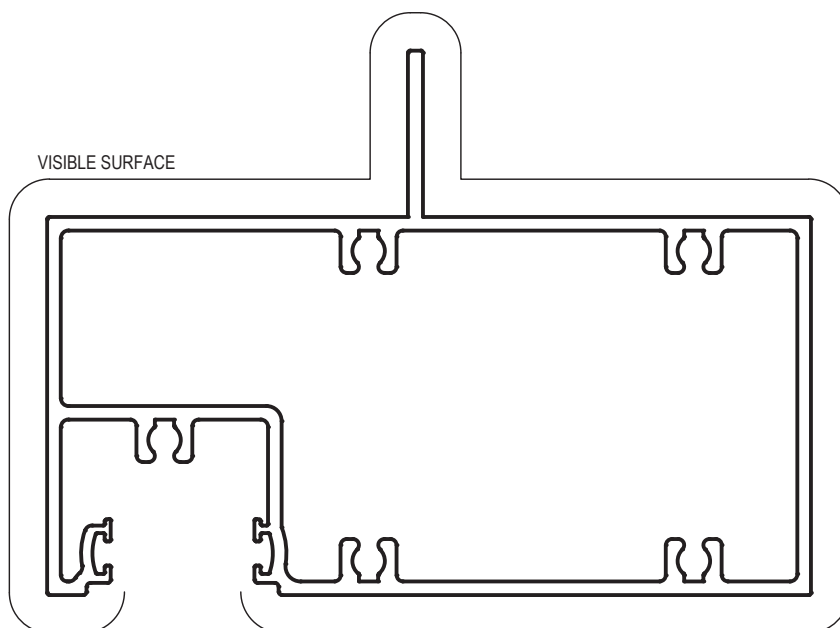
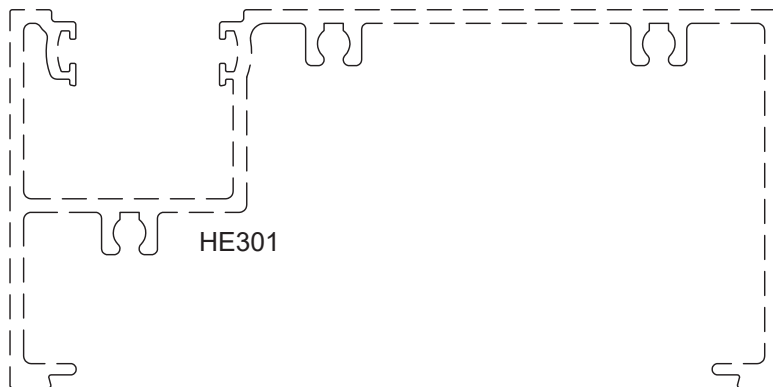
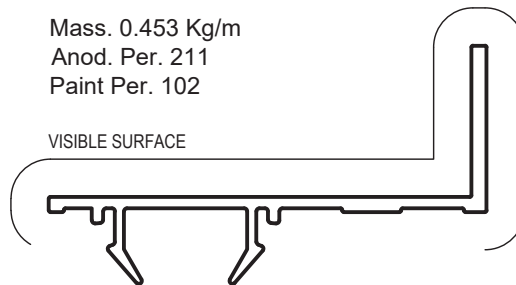
Mass. 0.470 Kg/m
Anod. Per. 205
Paint Per. 100



HE433

50mm SASH
ADAPTOR

Mass. 0.453 Kg/m
Anod. Per. 211
Paint Per. 102



HE325

TRANSOM SG
50mm SASH

Mass. 2.064 Kg/m
Anod. Per. 459
Paint Per. 320

$I_{xx} = 877.36 \times 10^3 \text{ mm}^4$

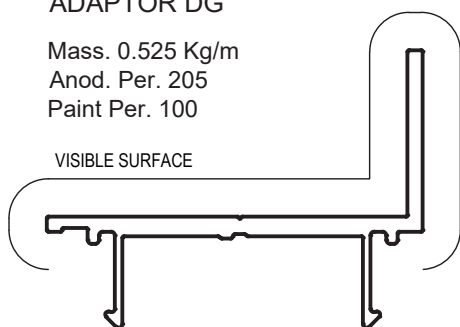
Hunter Evo Sash Adaptors & Transoms

NOTE:
SAME SASH ADAPTORS
USED IN 150mm FRAMES

HE421

50mm SASH
ADAPTOR DG

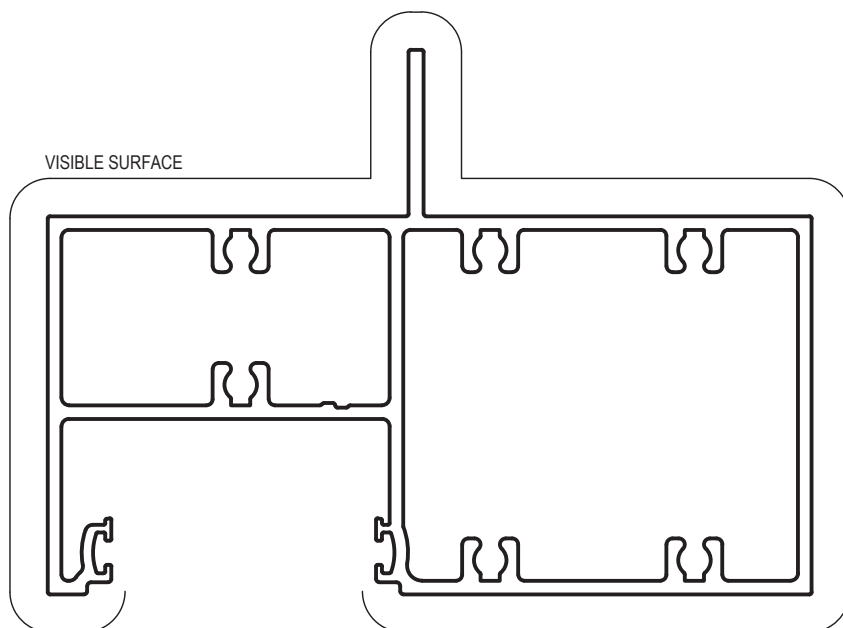
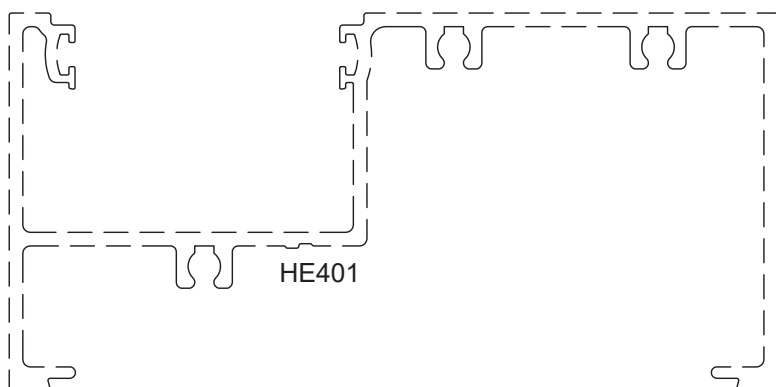
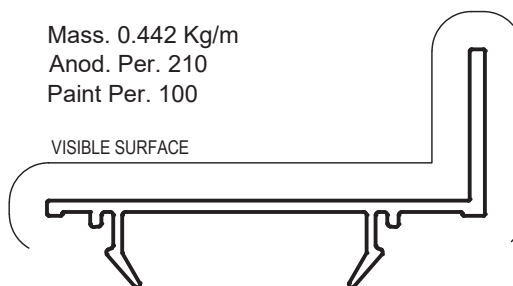
Mass. 0.525 Kg/m
Anod. Per. 205
Paint Per. 100



HE432

50mm SASH
ADAPTOR DG

Mass. 0.442 Kg/m
Anod. Per. 210
Paint Per. 100



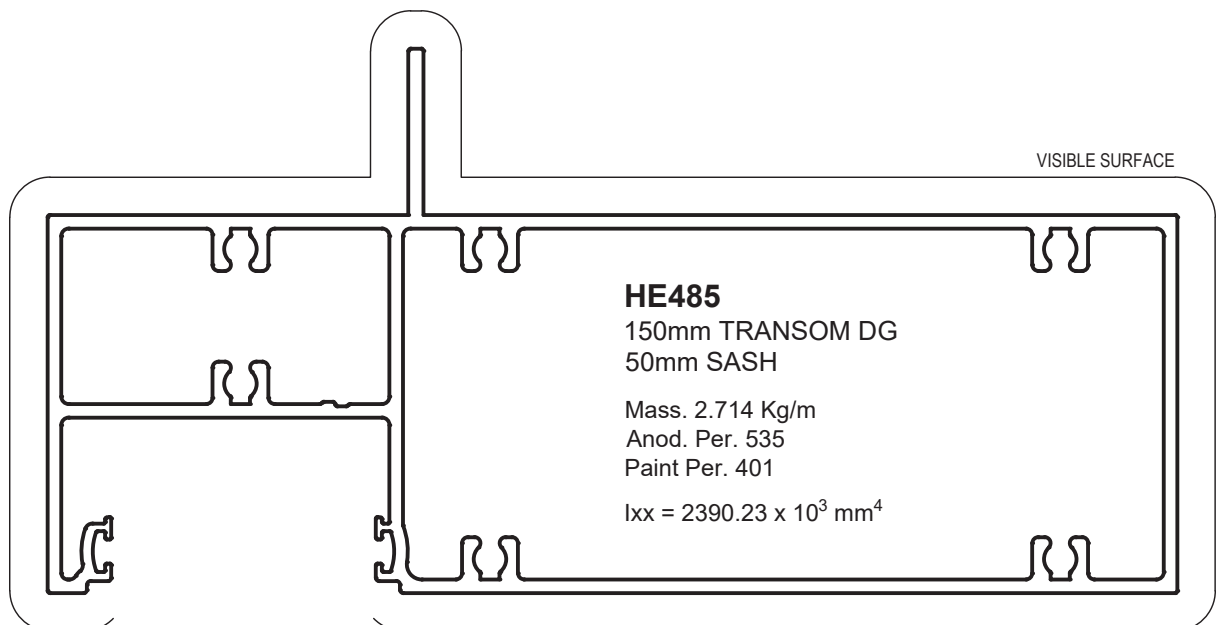
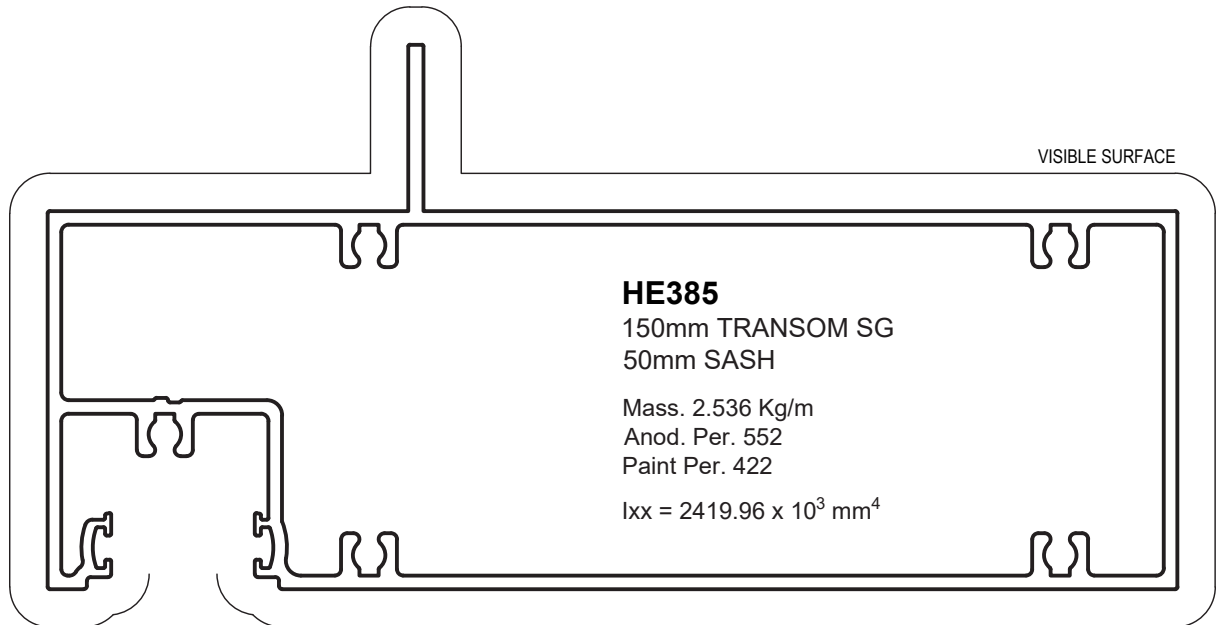
HE425

TRANSOM DG
50mm SASH

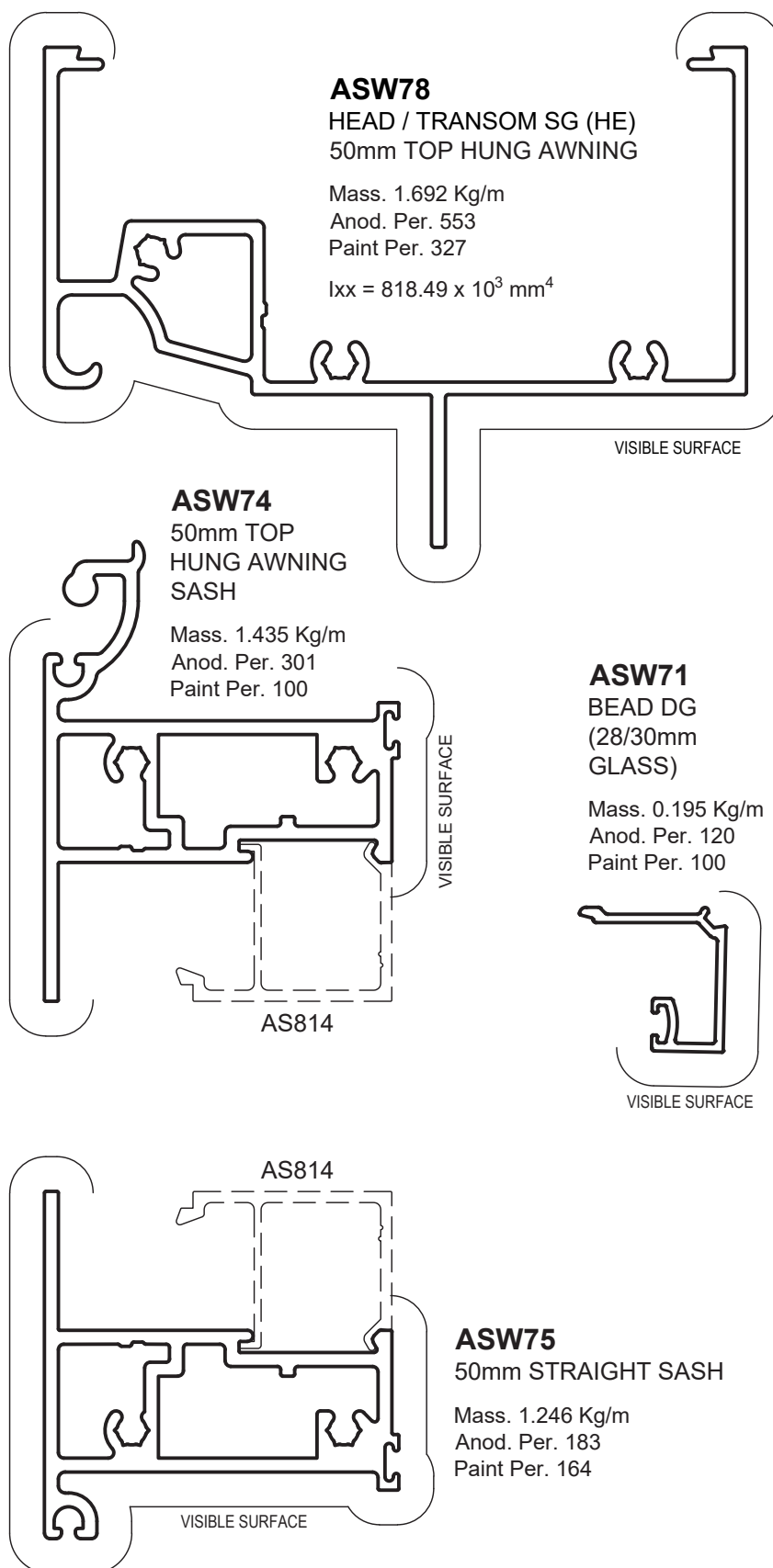
Mass. 2.242 Kg/m
Anod. Per. 437
Paint Per. 308

$I_{xx} = 863.46 \times 10^3 \text{ mm}^4$

Hunter Evo Transoms



Top Hung Sash & Head



Top Hung Transom

ASW76

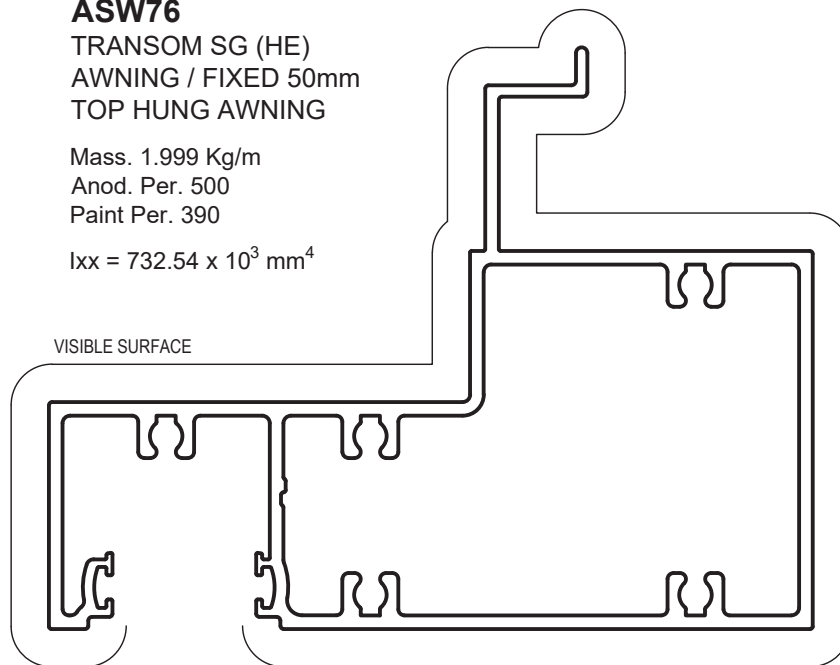
TRANSOM SG (HE)
AWNING / FIXED 50mm
TOP HUNG AWNING

Mass. 1.999 Kg/m

Anod. Per. 500

Paint Per. 390

$I_{xx} = 732.54 \times 10^3 \text{ mm}^4$



ASW77

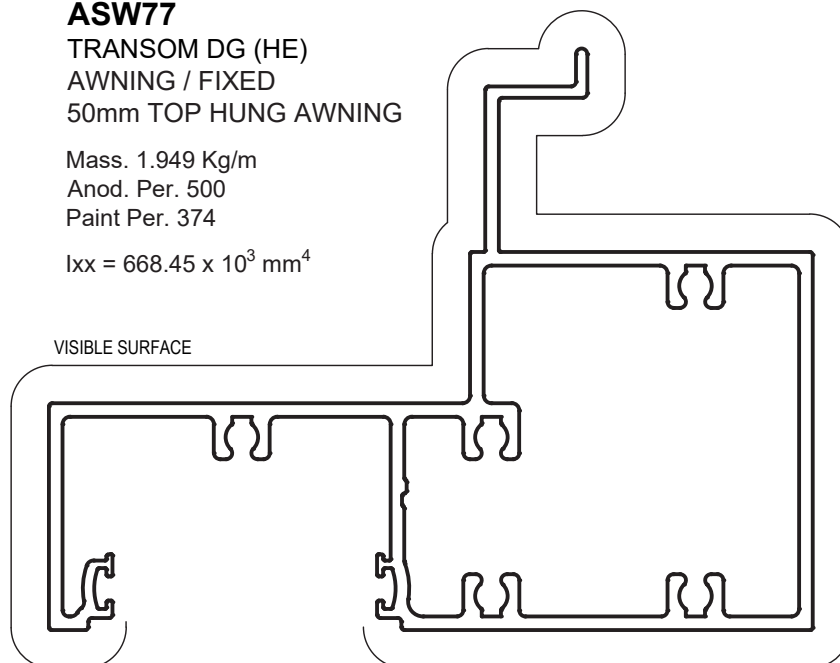
TRANSOM DG (HE)
AWNING / FIXED
50mm TOP HUNG AWNING

Mass. 1.949 Kg/m

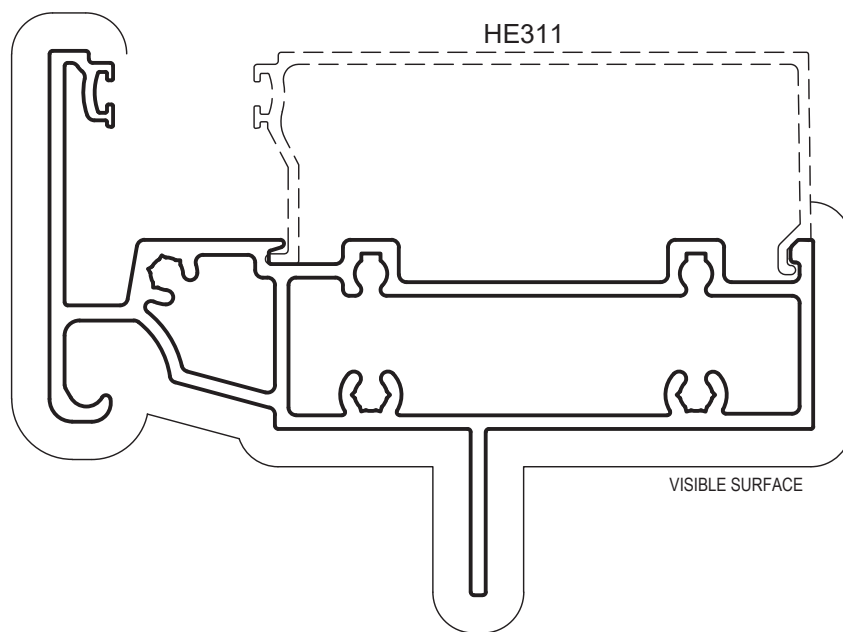
Anod. Per. 500

Paint Per. 374

$I_{xx} = 668.45 \times 10^3 \text{ mm}^4$



Top Hung Transom



HE435

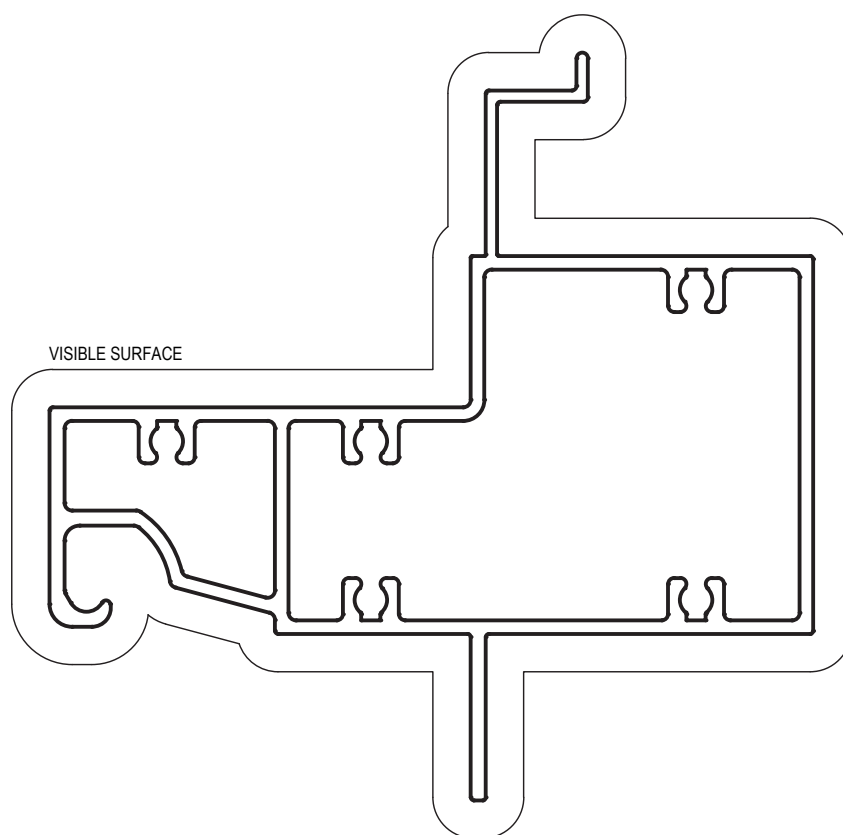
INT. GL .TRANSOM SG
50mm TOP HUNG AWNING

Mass. 2.024 Kg/m

Anod. Per. 454

Paint Per. 254

Ixx = $801.07 \times 10^3 \text{ mm}^4$



HE434

TRANSOM SG
AWNING / AWNING
50mm TOP HUNG AWNING

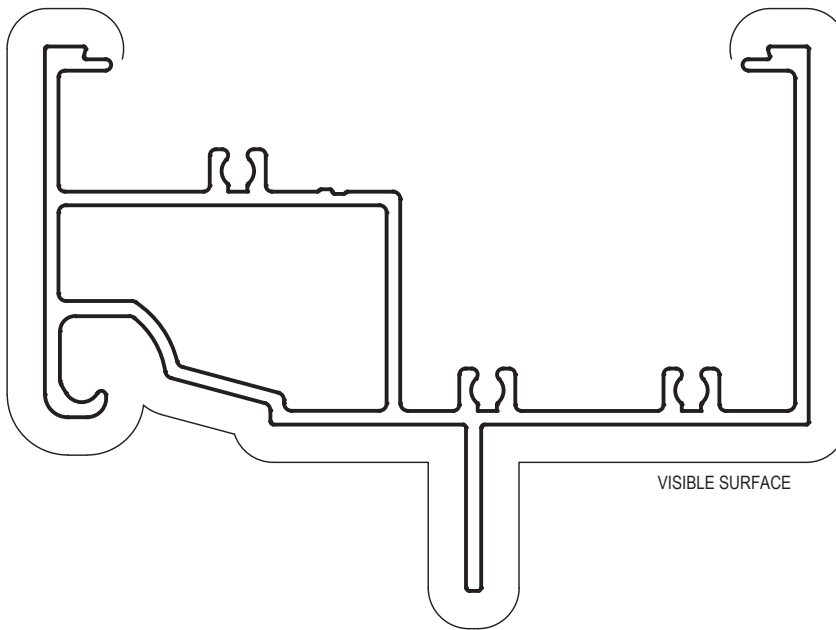
Mass. 2.248 Kg/m

Anod. Per. 449

Paint Per. 449

Ixx = $801.96 \times 10^3 \text{ mm}^4$

Top Hung Framing

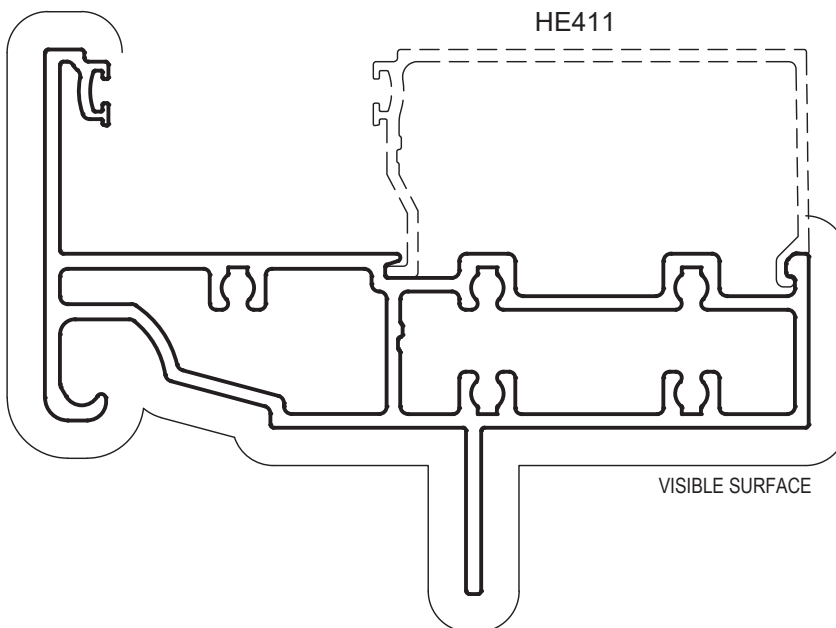


HE840

HEAD DG
50mm TOP HUNG
AWNING

Mass. 1.796 Kg/m
Anod. Per. 559
Paint Per. 285

$I_{xx} = 803.61 \times 10^3 \text{ mm}^4$

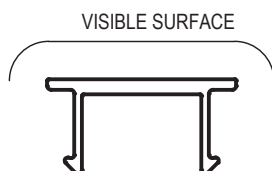


HE841

INT. GL.
TRANSOM DG
50mm TOP HUNG
AWNING

Mass. 2.034 Kg/m
Anod. Per. 438
Paint Per. 252

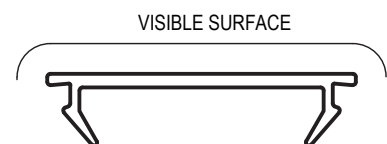
$I_{xx} = 788.46 \times 10^3 \text{ mm}^4$



HE320

FLUSH POCKET
INFILL SG

Mass. 0.188 Kg/m
Anod. Per. 100
Paint Per. 100

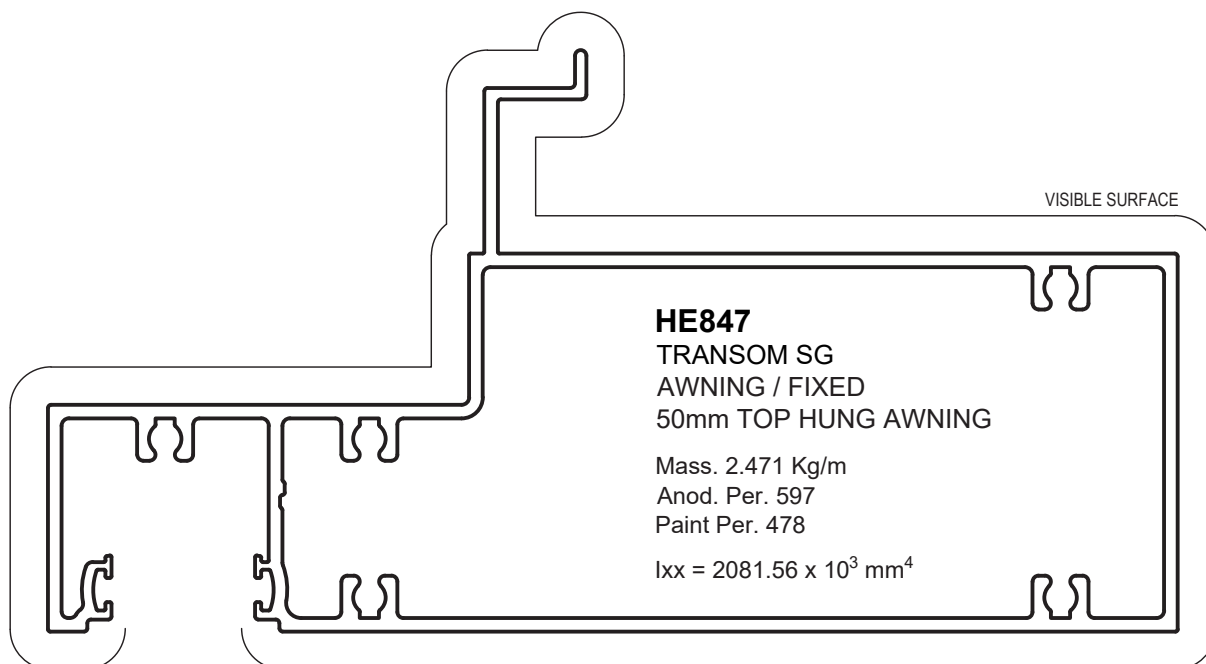
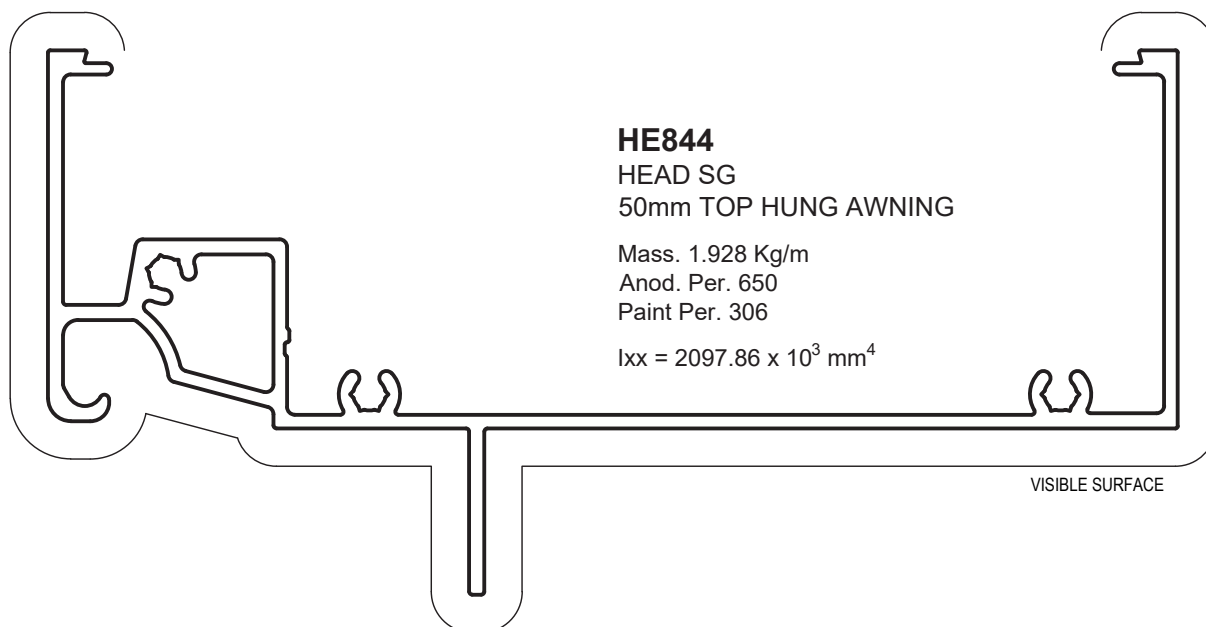


ECO208R

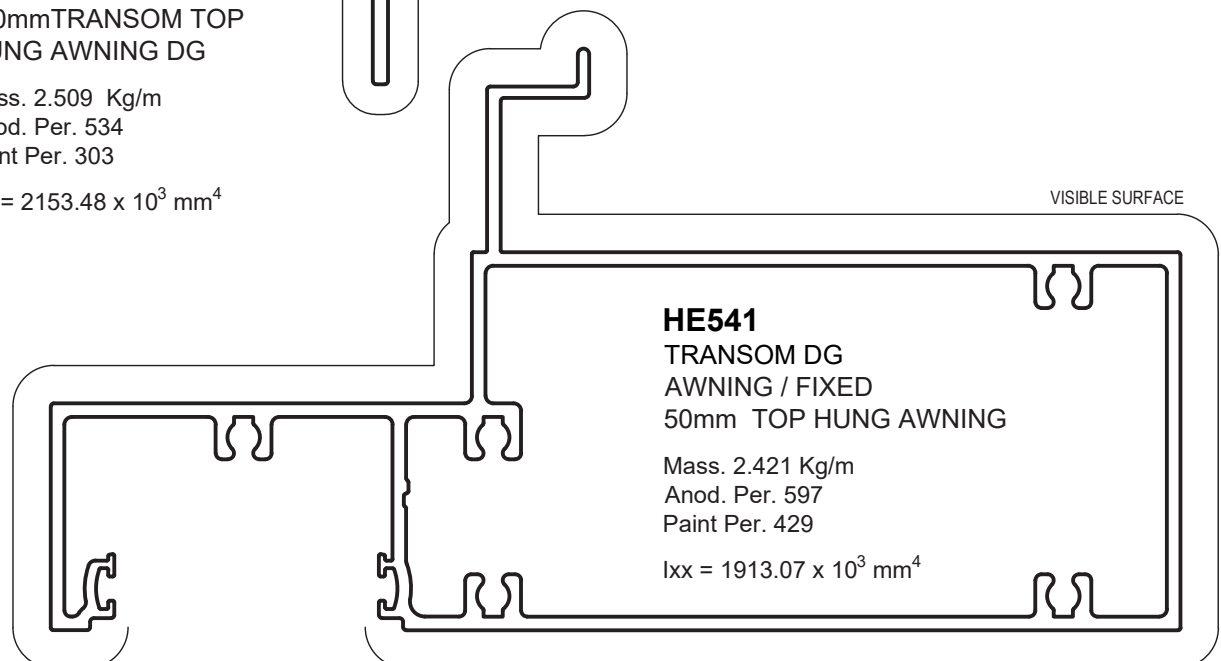
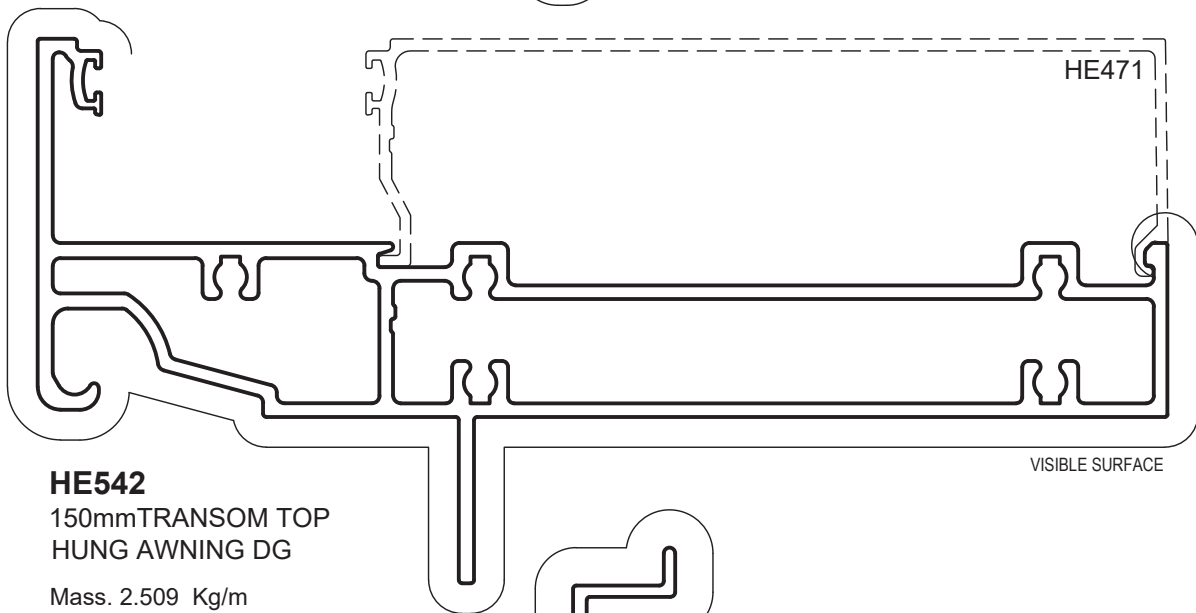
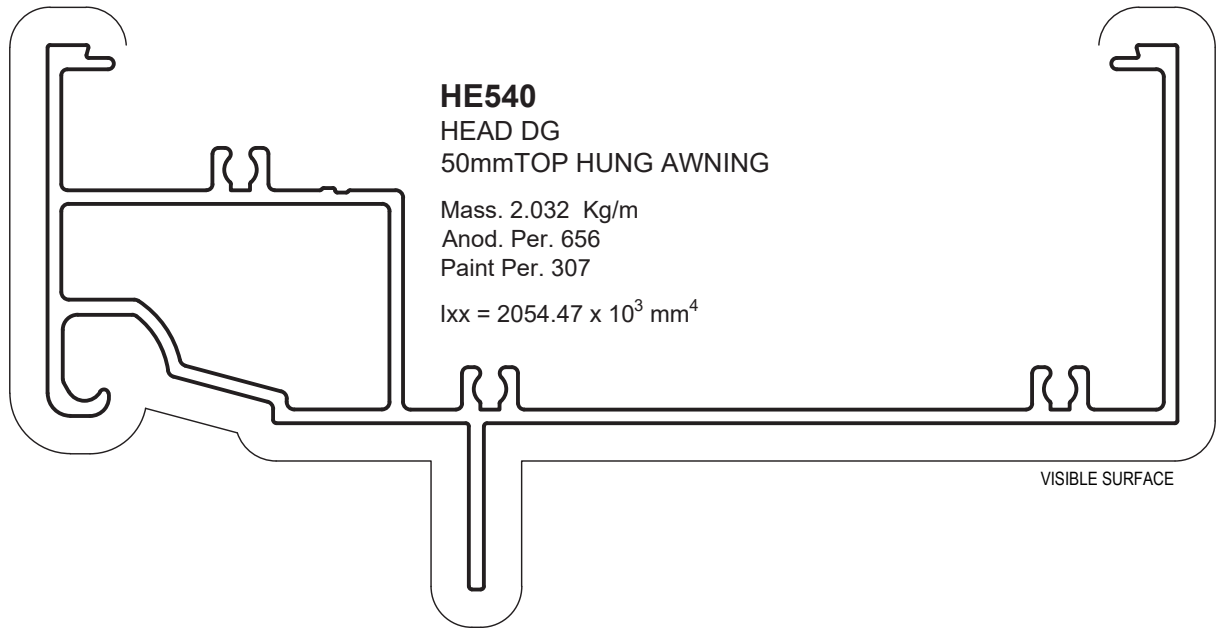
FLUSH POCKET
INFILL DG

Mass. 0.253 Kg/m
Anod. Per. 119
Paint Per. 100

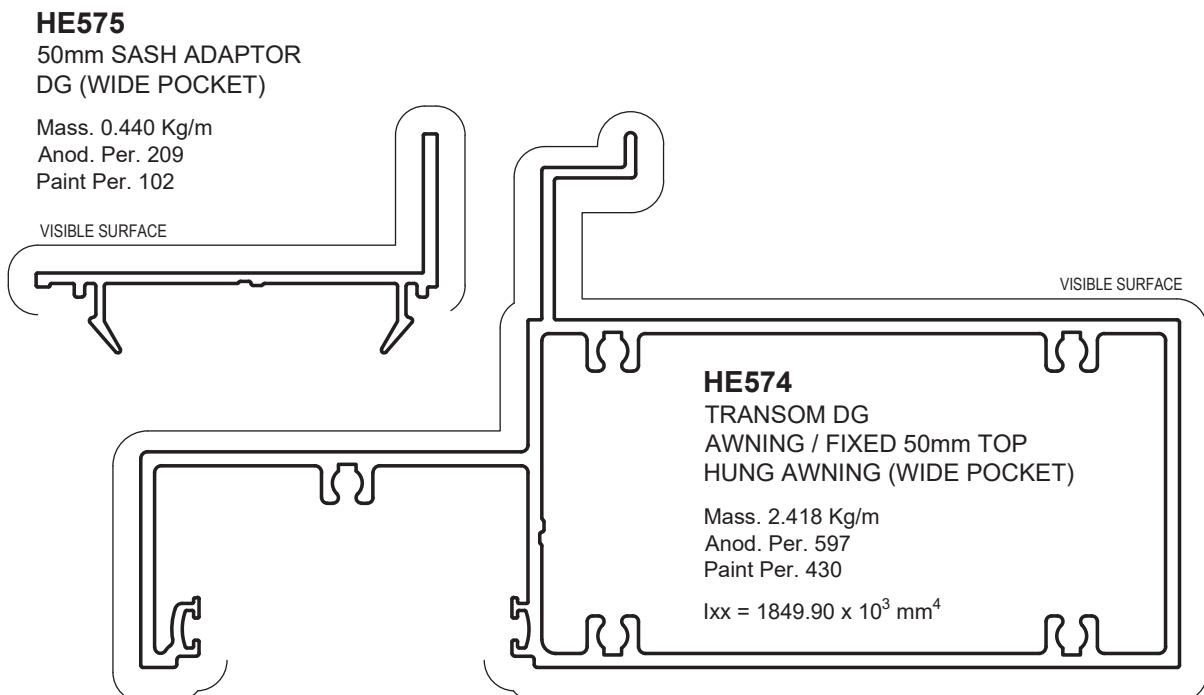
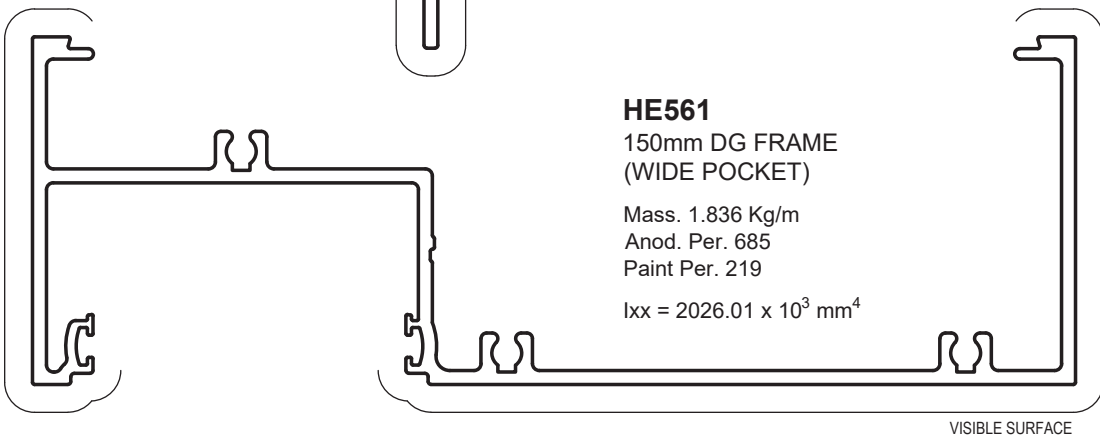
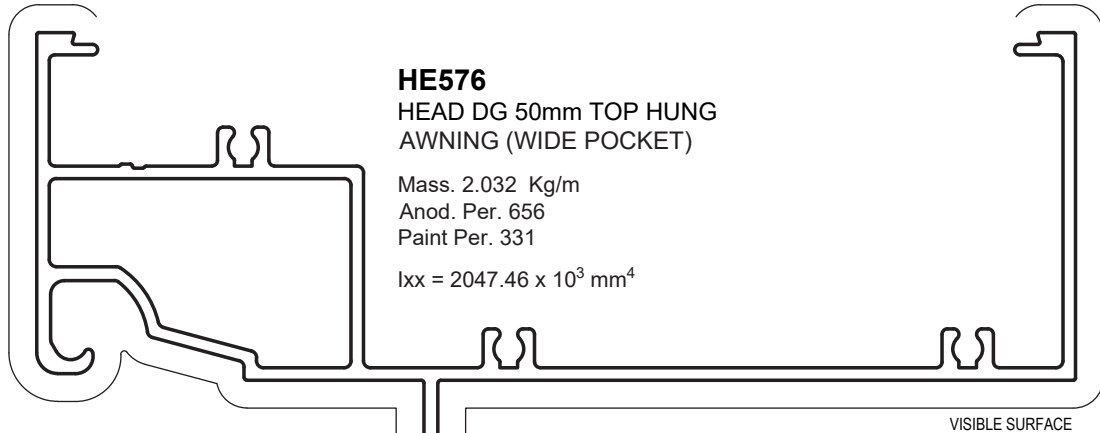
Top Hung Framing



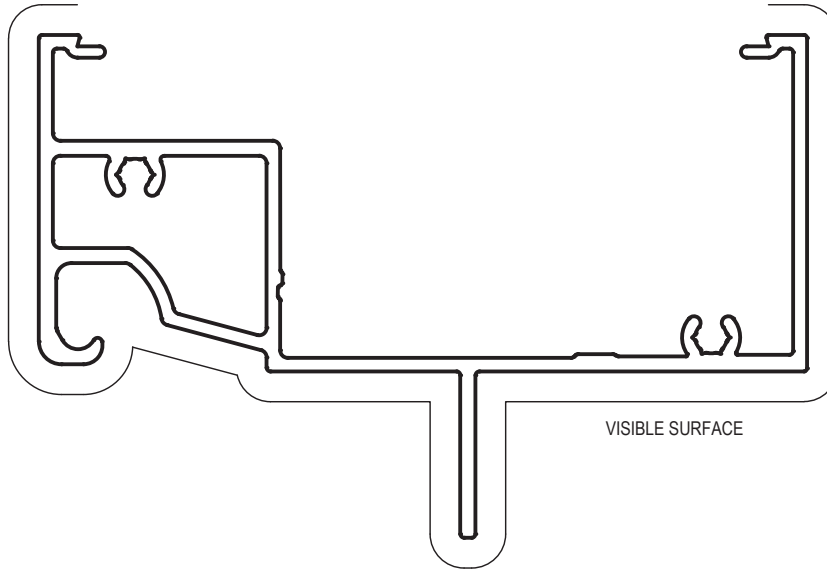
Top Hung Framing



Top Hung Framing

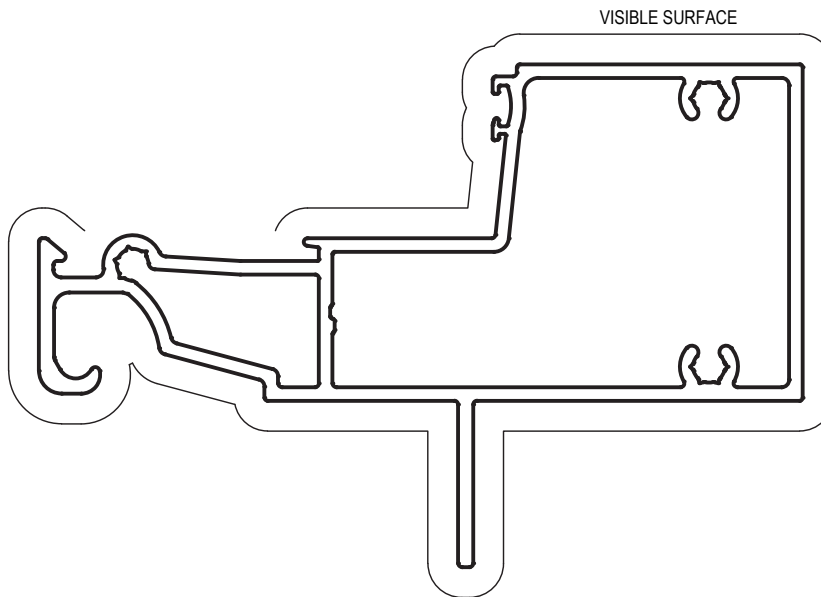


Top Hung Framing



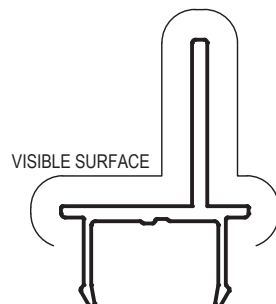
ME28
HEAD 50mm TOP HUNG
AWNING

Mass. 1.624 Kg/m
Anod. Per. 498
Paint Per. 247



ME26
TRANSOM 50mm TOP
HUNG AWNING

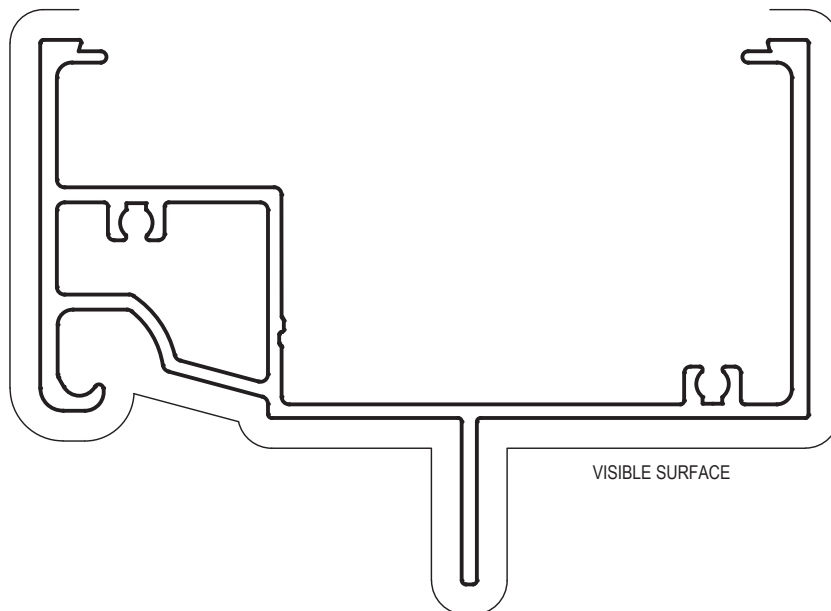
Mass. 1.799 Kg/m
Anod. Per. 390
Paint Per. 309



ME36
50mm TOP HUNG
AWNING STOP

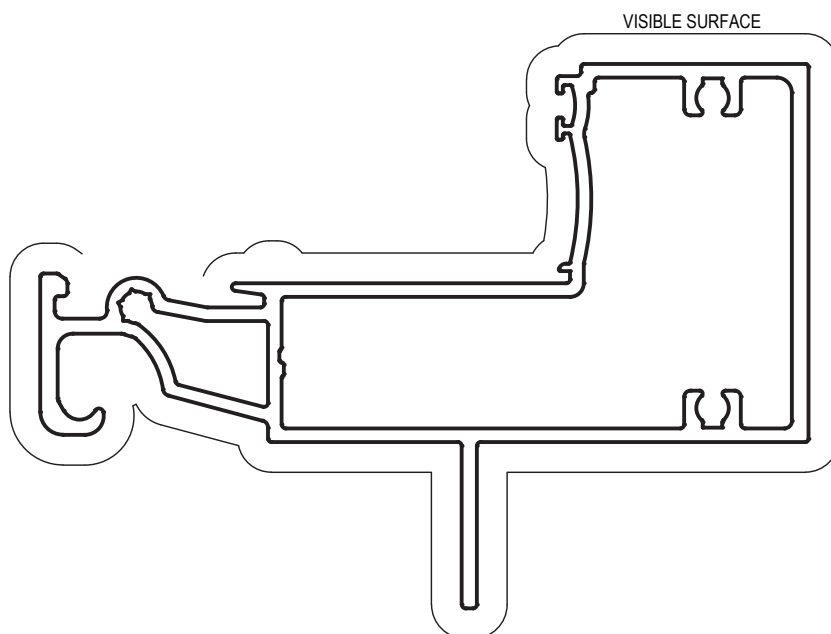
Mass. 0.309 Kg/m
Anod. Per. 142
Paint Per. 100

Top Hung Framing



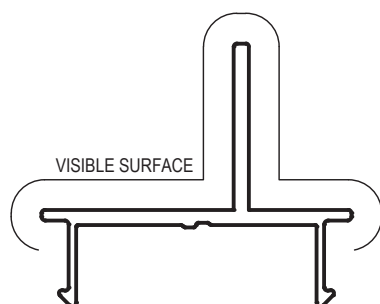
ECO233
DG HEAD 50mm TOP
HUNG AWNING

Mass. 1.747 Kg/m
Anod. Per. 513
Paint Per. 258



ECO232
DG TRANSOM 50mm
TOP HUNG AWNING

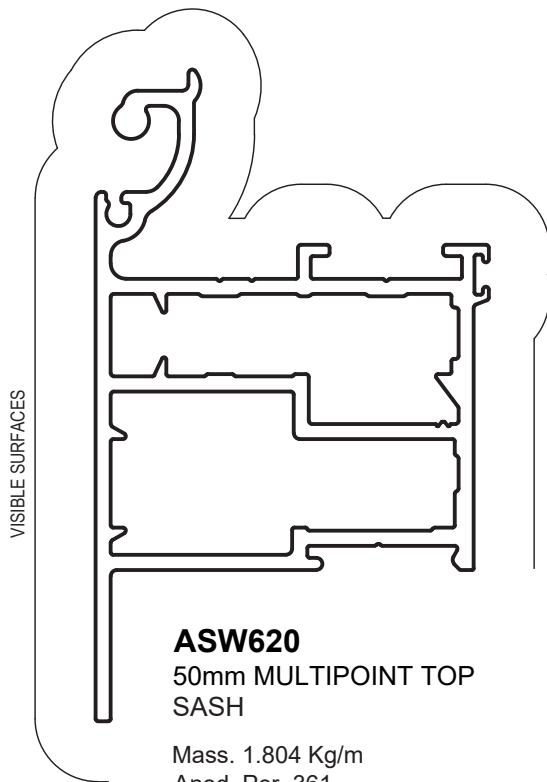
Mass. 1.938 Kg/m
Anod. Per. 414
Paint Per. 333



ECO224
50mm TOP HUNG
AWNING STOP

Mass. 0.395 Kg/m
Anod. Per. 174
Paint Per. 100

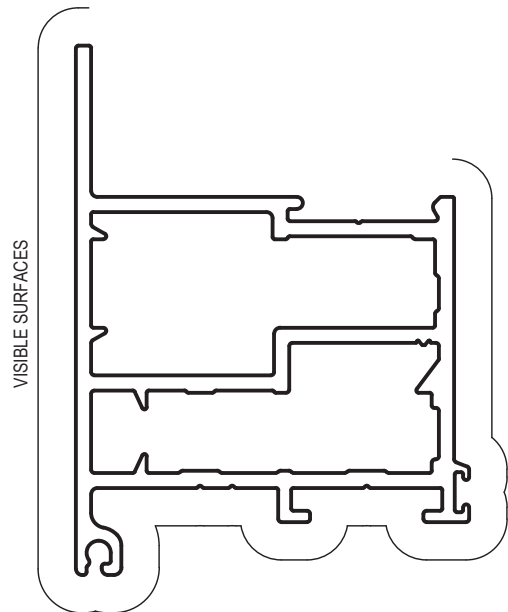
Euro Multipoint Awning



ASW620

50mm MULTIPOINT TOP
SASH

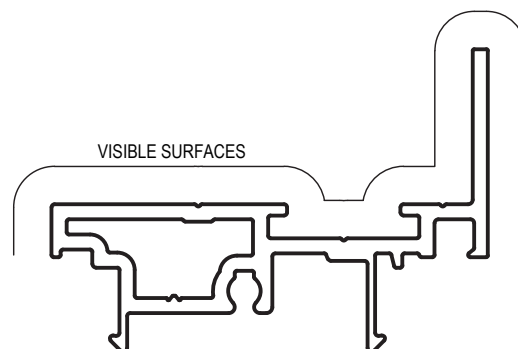
Mass. 1.804 Kg/m
Anod. Per. 361
Paint Per. 236



ASW621

50mm MULTIPOINT SASH

Mass. 1.598 Kg/m
Anod. Per. 300
Paint Per. 183



HE621

AWNING MULTIPOINT
SASH ADAPTOR

Mass. 0.874 Kg/m
Anod. Per. 287
Paint Per. 116

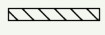
Awning Sash Adaptor Selection Chart

SECTION	DESCRIPTION
AS585	DERWENT 76mm CENTRE GLAZED 50mm SASH
ME30	McARTHUR EVO 101.6mm CENTRE GLAZED 50mm SASH
ECO222	ecoFRAMEplus 101.6mm CENTRE DOUBLE GLAZED 50mm SASH
ECO285	ecoFRAMEplus 150mm CENTRE DOUBLE GLAZED 50mm SASH
HE321	HUNTER EVO 101.6 & 150mm SINGLE FLUSH GLAZED 50mm SASH
HE433	HUNTER EVO 101.6mm SINGLE FLUSH GLAZED 50mm SASH
HE421	HUNTER EVO 101.6 & 150mm DOUBLE FLUSH GLAZED 50mm SASH
HE432	HUNTER EVO 101.6 & 150mm DOUBLE FLUSH GLAZED 50mm SASH
HE421	ecoWALL225 225mm FLUSH GLAZED FRAMING 50mm SASH

Glazing Wedges

IMAGE	TO SUIT GAP	MATERIAL	PART #	DESCRIPTION
	2mm	PVC	1376132	GR32 GLAZING WEDGE (2mm GAP) x 200m ROLL
	2mm	PVC	1376012	GR2 GLAZING WEDGE (2mm GAP) x 100m ROLL
	3mm	PVC	1313055	GR43 GLAZING WEDGE (BROWN) (3mm GAP) PVC x 200m ROLL
		S/PRENE	1313063	GR43S GLAZING WEDGE (BROWN) (3mm GAP) S/PRENE x 200m ROLL
	4mm	PVC	1313056	GR44 GLAZING WEDGE (WHITE) (4mm GAP) PVC x 200m ROLL
		S/PRENE	1313064	GR44S GLAZING WEDGE (WHITE) (4mm GAP) S/PRENE x 200m ROLL
	4mm	PVC	1376015	GR3 GLAZING WEDGE (4mm GAP) x 100m ROLL
	5mm	PVC	1313057	GR45 GLAZING WEDGE (BLUE) (5mm GAP) PVC x 150m ROLL
		PVC	1313065	GR45S GLAZING WEDGE (BLUE) (5mm GAP) S/PRENE x 150m ROLL
	6mm	PVC	1313058	GR46 GLAZING WEDGE (YELLOW) (6mm GAP) PVC x 150m ROLL
		PVC	1313066	GR46S GLAZING WEDGE (YELLOW) (6mm GAP) S/PRENE x 150m ROLL
	7mm	PVC	1313059	GR47 GLAZING WEDGE (RED) (7mm GAP) PVC x 150m ROLL
		S/PRENE	1313062	GR47S GLAZING WEDGE (RED) (7mm GAP) S/PRENE x 150m ROLL
	8mm	PVC	1313060	GR48 GLAZING WEDGE (ORANGE) (8mm GAP) PVC x 150m ROLL
		S/PRENE	1313067	GR48S GLAZING WEDGE (ORANGE) (8mm GAP) S/PRENE x 150m ROLL
	9mm	PVC	1313076	GR50 GLAZING WEDGE (GREEN) (9mm GAP) PVC x 100m ROLL

Seals

IMAGE	PART #	MATERIAL	DESCRIPTION
	1376300	PVC	HB1 BULB SEAL x 100m
	1376454	S/PRENE	CE7 CO-EXT BULB SEAL (7mm DIAMETER) x 200m ROLL
	1376870	PVC	WIPER SEAL (FOR ASW59)
	1376806	PVC	PRT001 EXTENDED RAINSCREEN SEAL x 250m
	1385580	PVC FOAM	DOUBLE SIDED GLAZING TAPE 12mm x 1.6mm 61m ROLL
	1385549		60403 12mm x 3.2mm DOUBLE SIDED GLAZING TAPE x 30.5m
	1385577		60405 12mm x 4.8mm DOUBLE SIDED GLAZING TAPE x 15.2m
	1385506		60406 12mm x 6.4mm DOUBLE SIDED GLAZING TAPE x 10.7m

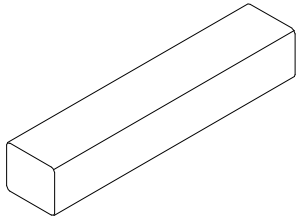
Fasteners

SCREWS			
PART #	HEAD	DESCRIPTION	LOCATION
1382644	SQUARE	10g x 1 (25mm) 304SS SQ #2 PAN S/TAP SCREW x 1000	FRAME
1382054	PHILLIPS	10g x 1 (25mm) SS PHIL PAN S/TAP SCREW x 500	
1382659	SQUARE	10g x 2 (51mm) 304SS SQ #2 CSK S/TAP SCREW x 1000	HUNTER EVO FRAME
1382021	PHILLIPS	10g x 2 (51mm) SS PHILLIPS CSK S/TAP x 200	
1382022	PHILLIPS	8g x 1/2 (13mm) SS PHILLIPS U/CUT SELF TAPPING x 1000	CHAINWINDER TO SASH
1382016	PHILLIPS	8g x 1 1/2 (40mm) SS PHILLIPS CSK S/TAP x 500	CHAINWINDER TO ADAPTOR / TRANSOM
1382014	PHILLIPS	8g x 1 (25mm) SS PHILLIPS CSK S/TAP x 500	CAM HANDLES

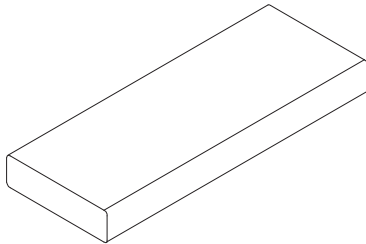
Frame Joint Gaskets

PART #	DESCRIPTION	FINISH
1385512	FJG45 FRAME JOINT GASKET PVC FOAM TAPE 45 x 1.6mm 45.7m	BLACK (034) GREY (036)
1385509	FJG50 FRAME JOINT GASKET PVC FOAM TAPE 50 x 1.6mm 45.7m	BLACK (034) GREY (036)
1385551	FJG001 45mm x 102mm 1010 PER ROLL	BLACK (034) GREY (036)
1385525	FJG35 FRAME JOINT GASKET PVC FOAM TAPE 35 x 1.6mm 45.7m	BLACK (034) GREY (036)

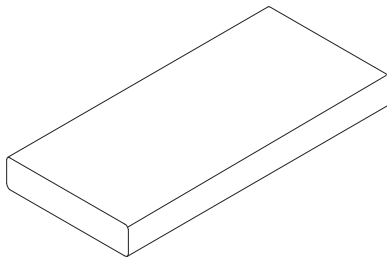
Accessories



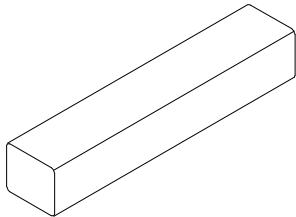
SETTING BLOCK 8 x 10 x 50mm BAG OF 100	
PART	1376768
FINISH	BLACK (034)
QTY	BAG OF 100



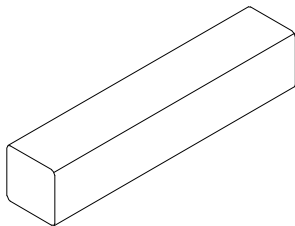
SETTING BLOCK 8 x 29 x 75mm BAG OF 50	
PART	1376771
FINISH	BLACK (034)
QTY	BAG OF 50



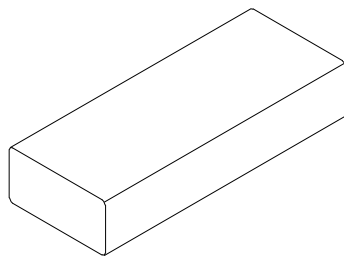
SETTING BLOCK 8 x 35 x 75mm BAG OF 50	
PART	1376761
FINISH	BLACK (034)
QTY	BAG OF 50



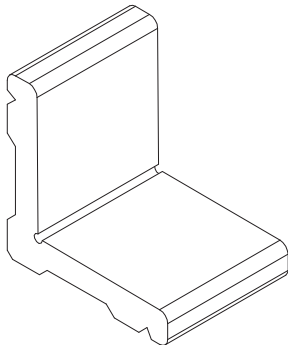
SETTING BLOCK 13 x 15 x 75mm BAG OF 50	
PART	1376730
FINISH	GREY (036)
QTY	BAG OF 50



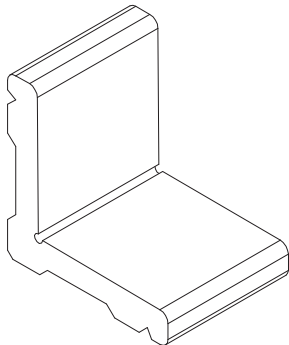
SETTING BLOCK 15 x 15 x 75mm BAG OF 50	
PART	1376735
FINISH	BLACK (034)
QTY	BAG OF 50



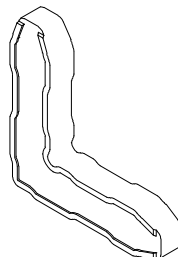
SETTING BLOCK 15 x 30 x 75mm BAG OF 50	
PART	1376733
FINISH	BLACK (034)
QTY	BAG OF 50



CS85 CORNER TO SUITS AS85 (33.5mm LG)	
PART	1379015
FINISH	MILL (001)
QTY	EACH



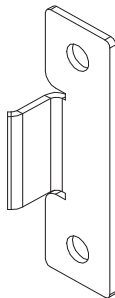
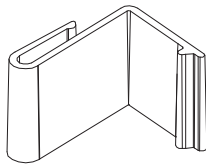
CS75 CORNER STAKE SUITS ASW74/ASW75 (22.5mm LG)	
PART	1379007
FINISH	MILL (001)
QTY	EACH



FS2C CORNER STAKE	
PART	1324001
FINISH	BLACK (034)
QTY	EACH

6. Hardware & Components

Accessories



FS11 ALSPEC 11mm FLYSCREEN RETAINER CLIP	
PART	1309055
FINISH	TRANSPARENT (050)
QTY	EACH

CONCEALED SNUBBER - EG *	
PART	1317060
FINISH	NOT SPECIFIED (099)
QTY	EACH

* Note:
Snubbers are required for **awning windows** greater than 900mm wide.
To be installed between the head & the sash, in the middle.
Snubbers are required for **casement windows** greater than 1300mm high.
To be installed between the jamb and sash, on the hinged side.

Accessories


**DN9506 MULTI POINT LOCK
OFFSET HANDLE N1**

PART	1309480
FINISH	BLACK (034)
QTY	EACH


**DN9505 MULTI POINT LOCK
SQUARE HANDLE N1**

PART	1309481
FINISH	BLACK (034)
QTY	EACH


**DN9507 MULTI POINT LOCKABLE
HANDLE**

PART	1309482
FINISH	BLACK (034)
QTY	EACH


**DN9520 MAIN TRANSMISSION -
TYPE 1**

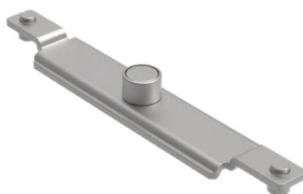
PART	1309483
FINISH	STAINLESS STEEL (0G8)
QTY	EACH


**DN9523 MAIN TRANSMISSION -
TYPE 2**

PART	1309484
FINISH	STAINLESS STEEL (0G8)
QTY	EACH


DN9511 END TRANSMISSION

PART	1309485
FINISH	STAINLESS STEEL (0G8)
QTY	EACH


DN9512 MID TRANSMISSION

PART	1309486
FINISH	STAINLESS STEEL (0G8)
QTY	EACH


**DN9510 ADJUSTABLE CORNER
TRANSMISSION**

PART	1309487
FINISH	BLACK (034)
QTY	EACH


DN9543 CONNECTING BAR (5.5m)

PART	1309488
FINISH	BLACK (034)
QTY	EACH

Each **Euro Groove Awning** is bespoke and will require components specific to the sash size and wind-load rating. Contact your Branch Hardware BDM or Area Manager to discuss your hardware requirements.

6. Hardware & Components

Accessories



DN9570 14.5mm DOUBLE EURO-GROOVE KEEPER

PART	1309489
FINISH	STAINLESS STEEL (0G8)
QTY	EACH

DN9571 12.5mm DOUBLE EURO-GROOVE KEEPER

PART	1309490
FINISH	STAINLESS STEEL (0G8)
QTY	EACH



DN9575 14mm SINGLE EURO-GROOVE KEEPER

PART	1309491
FINISH	STAINLESS STEEL (0G8)
QTY	EACH

DN9576 12mm SINGLE EURO-GROOVE KEEPER

PART	1309492
FINISH	STAINLESS STEEL (0G8)
QTY	EACH



DN9561 12.5mm SLS KEEPER - DOUBLE EURO-GROOVE

PART	1309495	FINISH	STAINLESS STEEL (0G8)	QTY	EACH
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DN9566 12mm SLS KEEPER - SINGLE EURO-GROOVE

PART	1309497	FINISH	STAINLESS STEEL (0G8)	QTY	EACH
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DN9565 14mm SLS KEEPER - SINGLE EURO-GROOVE

PART	1309496	FINISH	STAINLESS STEEL (0G8)	QTY	EACH
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DN9560 14.5mm SLS KEEPER - DOUBLE EURO-GROOVE

PART	1309494	FINISH	STAINLESS STEEL (0G8)	QTY	EACH
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DN9546 SELF-LATCHING UNIT

PART	1309493
FINISH	STAINLESS STEEL (0G8)
QTY	EACH



DN9591 ADJUSTABLE SELF-LATCHING RESTRICTOR STAY

PART	1309498
FINISH	STAINLESS STEEL (0G8)
QTY	EACH

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Accessories



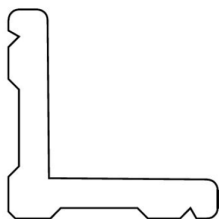
DN9515 HYBRID MID TRANSMISSION	
PART	1309451
FINISH	BLACK (034)
QTY	EACH



DN9514 HYBRID END TRANSMISSION	
PART	1309450
FINISH	BLACK (034)
QTY	EACH



DN9579 PRESSED KEEPER PACKER	
PART	1309455
FINISH	BLACK (034)
QTY	EACH



CS86 CORNER TO SUITS AS (45.5mm LG)	
PART	1309499M
FINISH	NOT SPECIFIED (099)
QTY	EACH



CORNER JOINT WITH EXTERNAL BUTTONS (37.1mm WIDE)	
PART	1316240M
FINISH	NOT SPECIFIED (099)
QTY	EACH



DN9578 7mm PRESSED KEEPER	
PART	1309454
FINISH	STAINLESS STEEL (0G8)
QTY	EACH

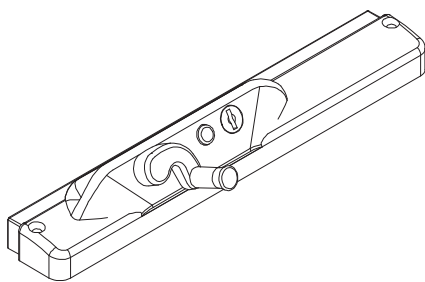
DN9577 10mm PRESSED KEEPER	
PART	1309453
FINISH	STAINLESS STEEL (0G8)
QTY	EACH

DN9569 11mm PRESSED KEEPER	
PART	1309452
FINISH	STAINLESS STEEL (0G8)
QTY	EACH

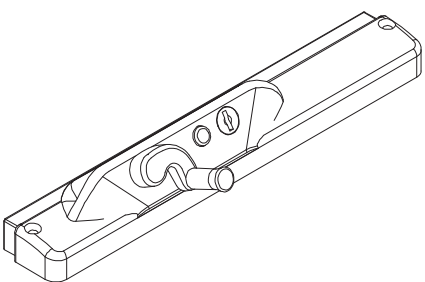
Each **Euro Groove Awning** is bespoke and will require components specific to the sash size and wind-load rating. Contact your Branch Hardware BDM or Area Manager to discuss your hardware requirements.

6. Hardware & Components

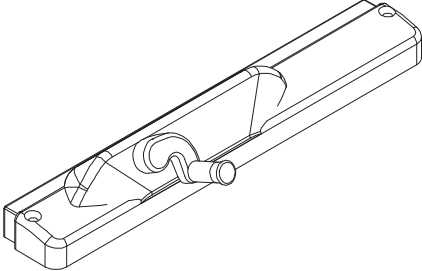
Chainwinders & Handles



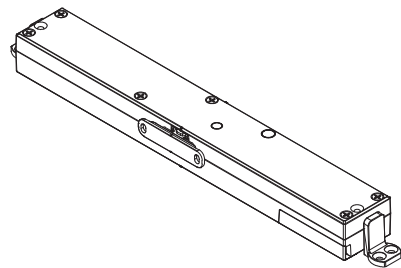
ALSPEC CHAINWINDER S/S LOCKING 300mm LEFT HAND KEY 32304		
PART / FINISH	1338065	BLACK (034)
	1338066	WHITE (015)
	1338067	SILVER PAINT (031)
QTY	EACH	



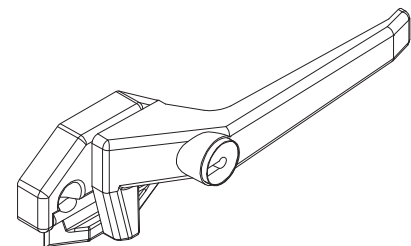
ALSPEC CHAINWINDER LOCKING 300mm LEFT HAND	
PART	1338061
FINISH	BLACK (034)
QTY	EACH



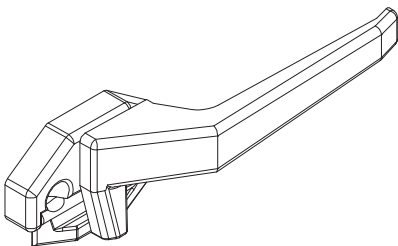
ALSPEC CHAINWINDER NON-LOCKING 300mm LEFT HAND	
PART	1338062
FINISH	BLACK (034)
QTY	EACH



ELEVATION SS CHAIN 300 BLACK LW-EWAC-300-BLK	
PART	1345530
FINISH	BLACK (034)
QTY	EACH

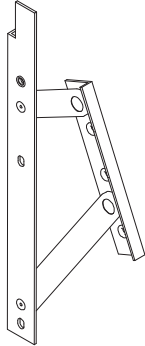


ALSPEC CAM HANDLE HI-PROFILE SELF LATCH - LOCKABLE	
PART	1377863 (RH) 1377862 (LH)
FINISH	BLACK (034)
QTY	EACH

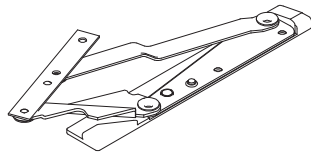


ALSPEC CAM HANDLE HI-PROFILE SELF LATCH	
PART	1377954 (RH) 1377953 (LH)
FINISH	BLACK (034)
QTY	EACH

Interlock Awnings & Casement Stays

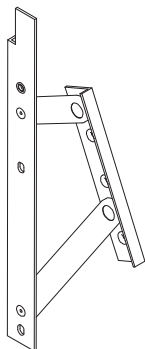
**INTERLOCK AWNING STAYS**

CODE	DESCRIPTION	QTY
1378945	230 NF NON FRICTION INTERLOCK STAYS P1559B	PAIR
1378810	INTERLOCK 330A P1561 FRICTION STAY	PAIR
1378825	P1553B INTERLOCK 420HD A STAY	PAIR

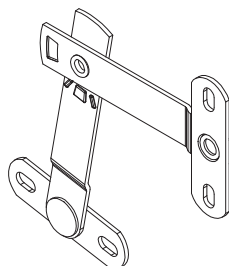
**INTERLOCK CASEMENT STAYS**

CODE	DESCRIPTION	QTY
1345606	P1090 230mm 4BC INTERLOCK FRICTION STAY 25kg SASH	PAIR
1345607	P1090NF 230mm 4BC INTERLOCK NON FRICTION STAY 25kg SASH	PAIR
1345042	P1080 430mm 4BC INTERLOCK FRICTION STAY 40kg SASH	PAIR
1345610	P1080NF 430mm 4BC INTERLOCK NON FRICTION STAY 40kg SASH	PAIR

Alspec Awning & Casements Stays

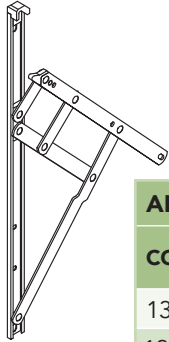
**ALUMINIUM AWNING STAYS - FRICTION / NON FRICTION**

CODE	DESCRIPTION	QTY
1377950	ALUMINIUM 235mm NON FRICTION AWNING STAY	PAIR
1377951	ALUMINIUM 235mm FRICTION AWNING STAY	PAIR

**RESTRICTOR STAYS**

CODE	DESCRIPTION	QTY
1377947	ALSPEC RESTRICTOR STAY SS 13mm LIGHT DUTY	PAIR
1377948	ALSPEC RESTRICTOR STAY SS 16mm HEAVY DUTY	PAIR
1377949	ALSPEC RESTRICTOR STAY & KEY SS 16mm HEAVY DUTY	PAIR

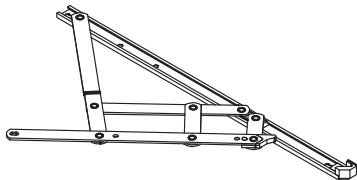
Alspec Awning & Casements Stays

**ALSPEC STAINLESS STEEL AWNING STAYS**

CODE	DESCRIPTION	MAX SASH WEIGHT	MAX SASH HEIGHT	OPENING ANGLE	QTY
1377864	ALSPEC AS8TH SS TOP HUNG STAY 13mm x 214mm	12kg	350mm	70°	PAIR
1377865	ALSPEC AS10TH SS TOP HUNG STAY 13mm x 270mm	16kg	400mm	88°	PAIR
1377866	ALSPEC AS12TH SS TOP HUNG STAY 13mm x 310mm	20kg	550mm	87°	PAIR
1377870	ALSPEC AS16TH SS TOP HUNG STAY 13mm x 412mm	24kg	750mm	87°	PAIR
1377871	ALSPEC AS20TH SS TOP HUNG STAY 13mm x 512mm	28kg	1000mm	40°	PAIR
1377872	ALSPEC AS24TH SS TOP HUNG STAY 13mm x 615mm	35kg	1100mm	40°	PAIR

ALSPEC STAINLESS STEEL HEAVY DUTY AWNING STAYS

CODE	DESCRIPTION	MAX SASH WEIGHT	MAX SASH HEIGHT	OPENING ANGLE	QTY
1377943	ALSPEC AS10HD SS FRICTION STAY 16mm x 263mm	50kg	762mm	82°	PAIR
1377944	ALSPEC AS16HD SS FRICTION STAY 16mm x 414mm	63kg	1120mm	87°	PAIR
1377945	ALSPEC AS22HD SS FRICTION STAY 16mm x 567mm	74kg	1321mm	87°	PAIR
1377946	ALSPEC AS26HD SS FRICTION STAY 17mm x 683mm	90kg	1800mm	23°	PAIR

**ALSPEC STAINLESS STEEL CASEMENT STAYS**

CODE	DESCRIPTION	MAX SASH WEIGHT	MAX SASH HEIGHT	OPENING ANGLE	QTY
1377941	ALSPEC AS12SH SS SIDE HUNG STAY 14mm x 310mm	24kg	650mm	87°	PAIR
1377942	ALSPEC AS16SH SS SIDE HUNG STAY 14mm x 412mm	30kg	800mm	87°	PAIR

ALSPEC STAINLESS STEEL HEAVY DUTY CASEMENT STAYS

CODE	DESCRIPTION	MAX SASH WEIGHT	MAX SASH HEIGHT	OPENING ANGLE	QTY
1377943	ALSPEC AS10HD SS FRICTION STAY 16mm x 263mm	34.4kg	660mm	82°	PAIR
1377944	ALSPEC AS16HD SS FRICTION STAY 16mm x 414mm	37kg	800mm	87°	PAIR
1377945	ALSPEC AS22HD SS FRICTION STAY 16mm x 567mm	42kg	800mm	87°	PAIR

Silicone



100% NEUTRAL CURE SILICONE

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



100% MATTE NEUTRAL CURE SILICONE

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



41 CLADDING SILICONE

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



WET AREA SILICONE

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



HYBRID PU ADHESIVE SEALANT

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



20 ACETIC CURE SILICONE

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



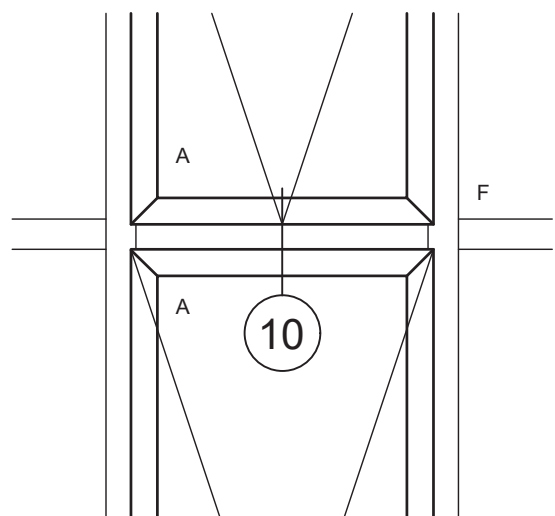
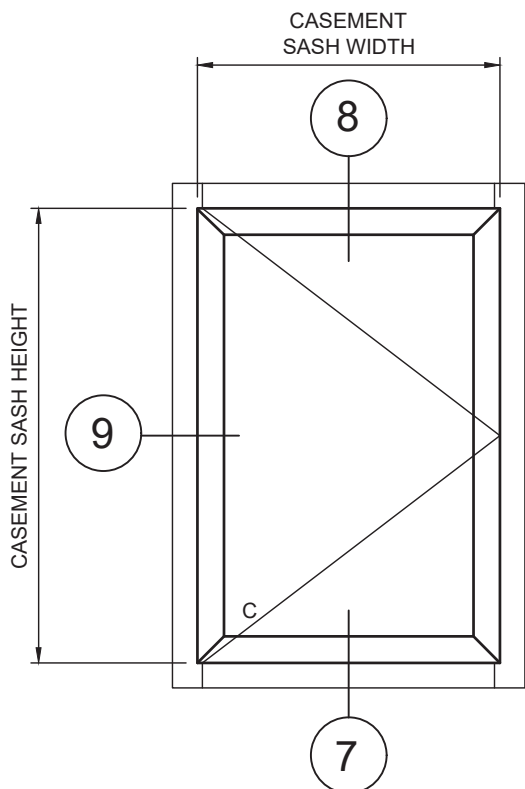
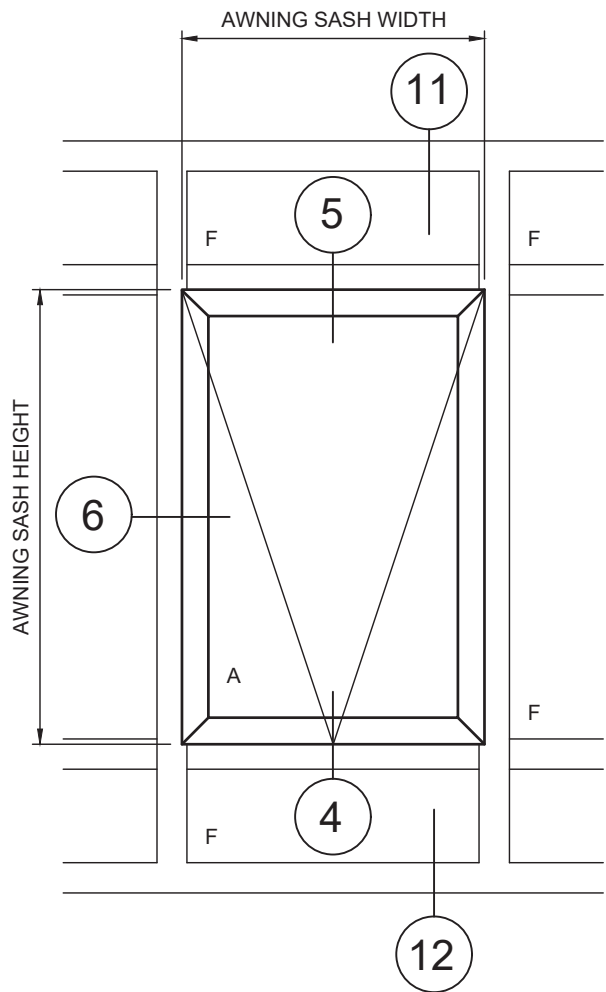
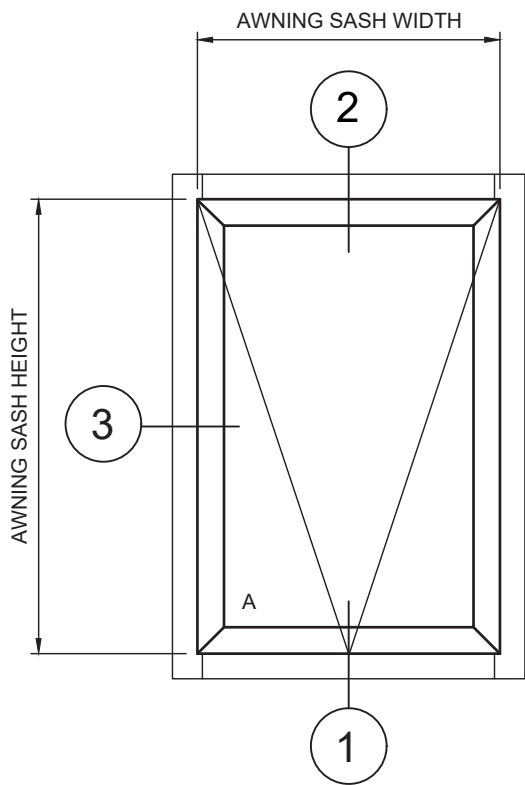
D60 SILICONE

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

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

Silicone Product Codes

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

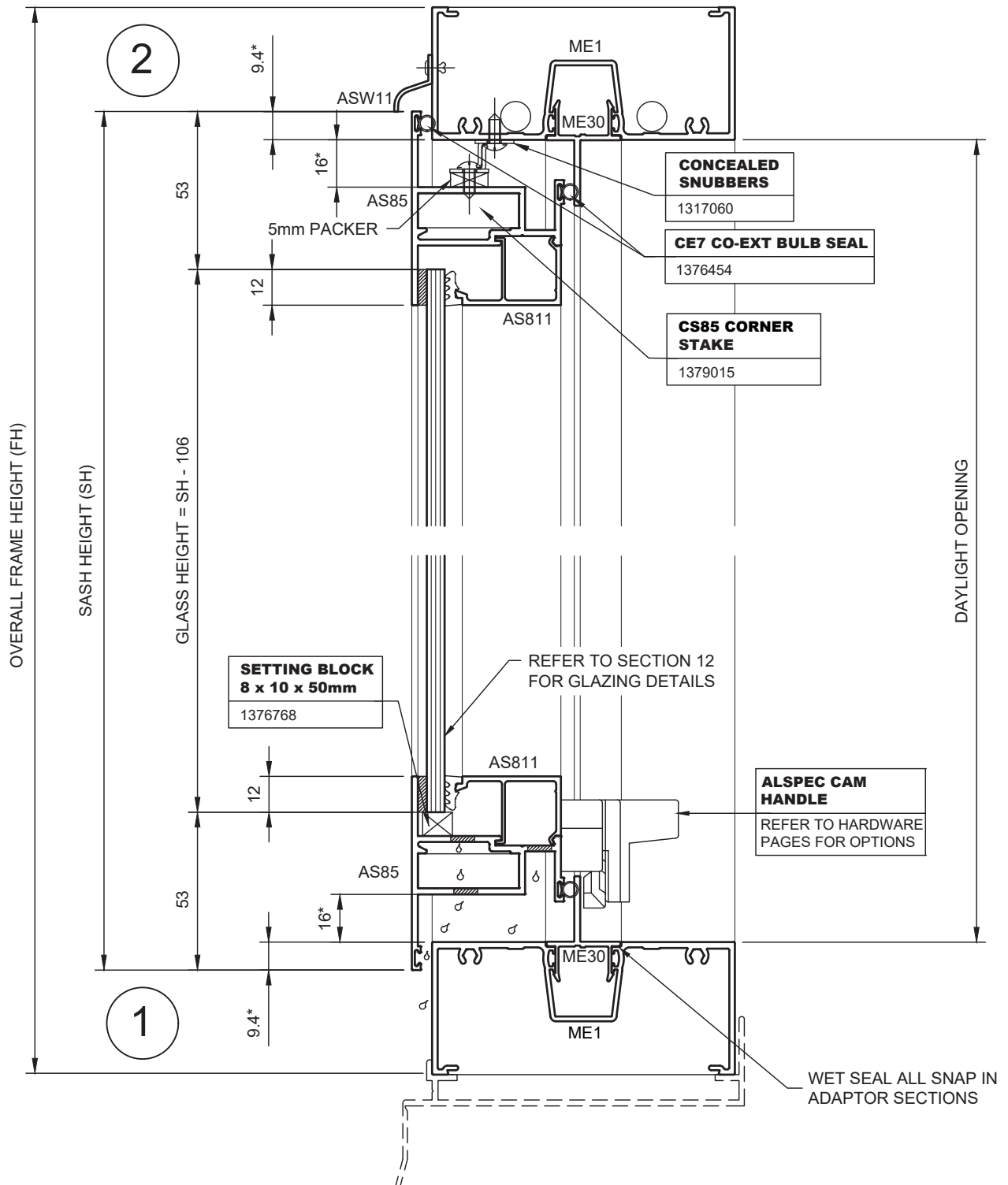


SEE PAGE 12.3 FOR GLASS SETTING & LOCATION BLOCK POSITIONS

Typical McArthur Evo Head & Sill Details AS85 Awning

NOTE:

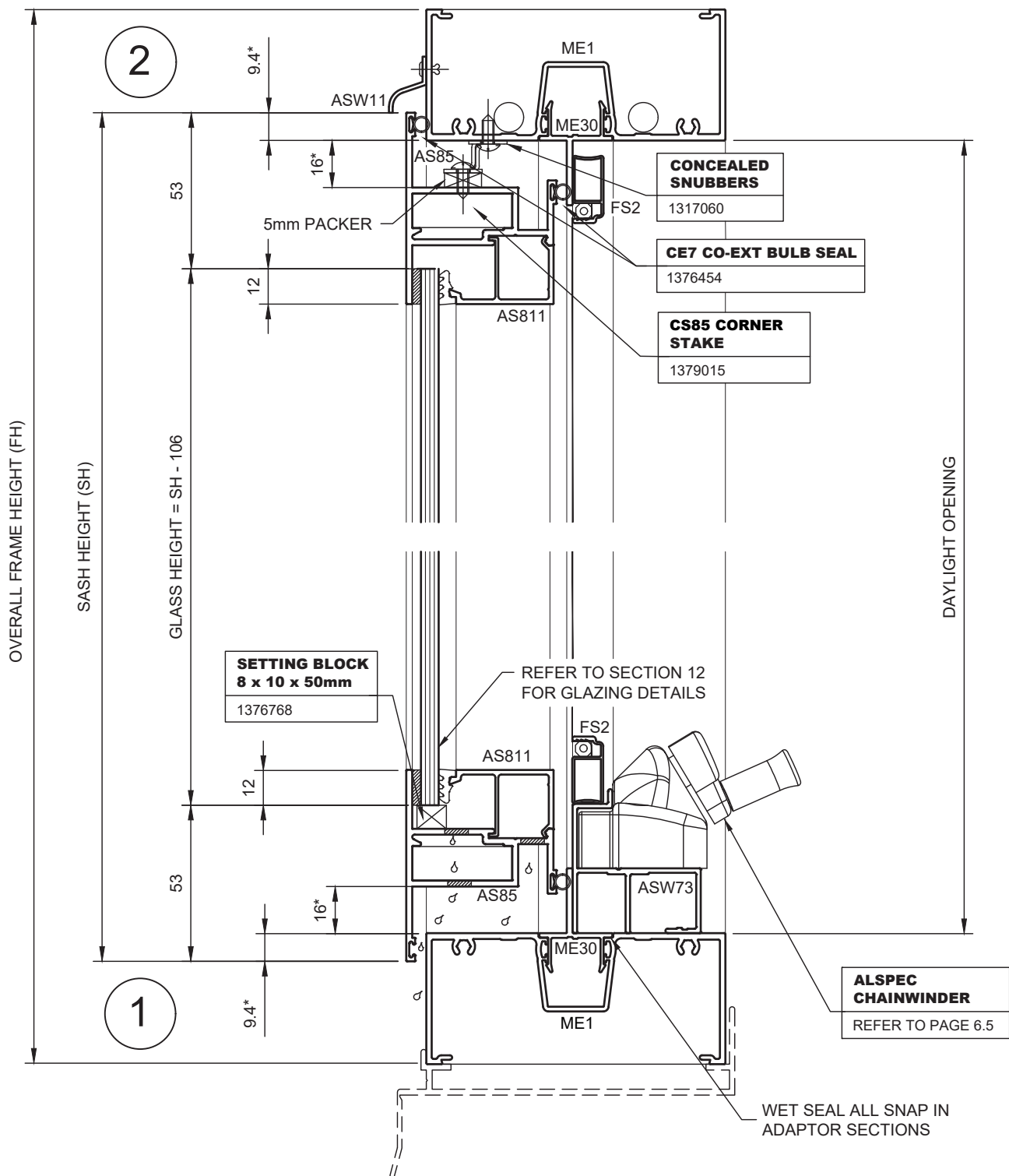
1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
2. WELD ALL BULB SEAL MITRE JOINT
3. * VARIES DEPENDING ON STAYS SELECTED (REFER TO HARDWARE PAGES)



8. Typical Details

Typical McArthur Evo Head & Sill Details AS85 Awning

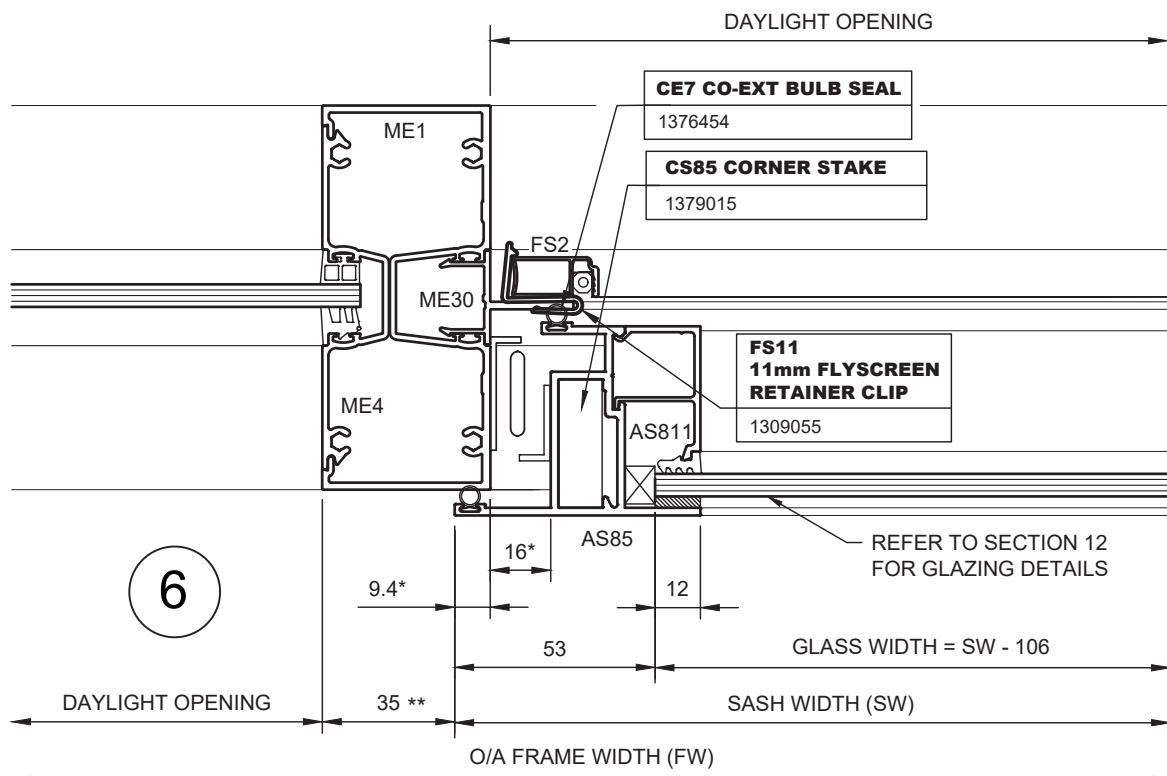
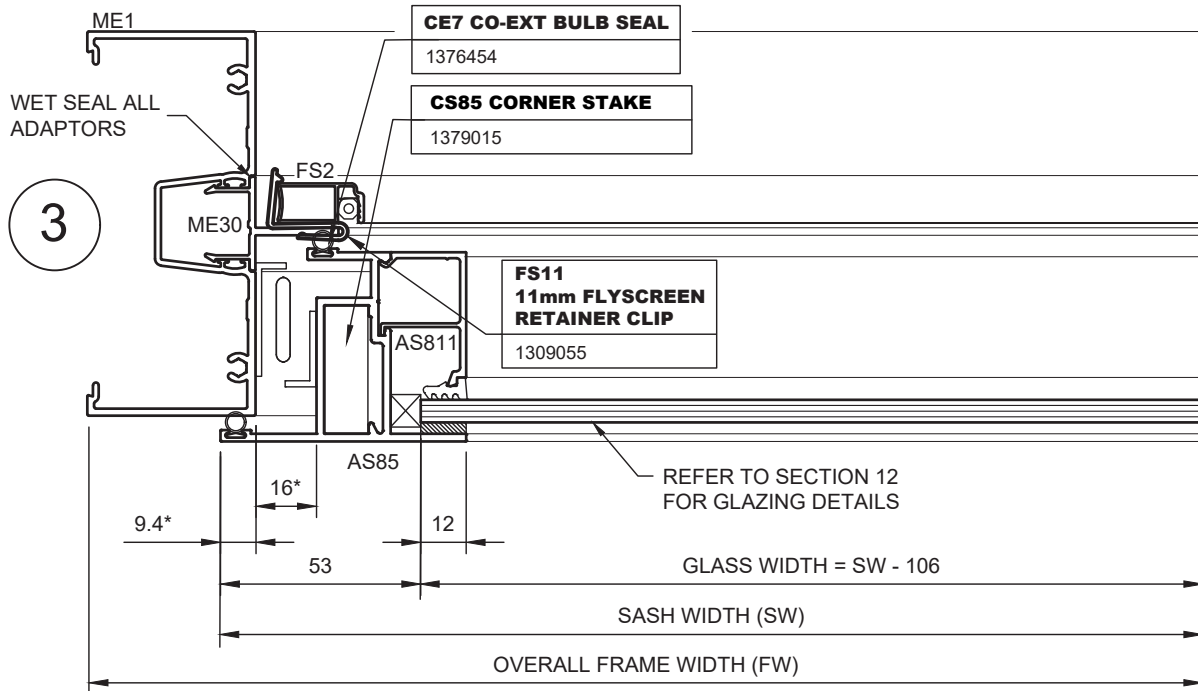
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2. WELD ALL BULB SEAL MITRE JOINT
3. * VARIES DEPENDING ON STAYS SELECTED (REFER TO HARDWARE PAGES)



Typical McArthur Evo Jamb & Side Lite Details AS85 Awning

NOTE:

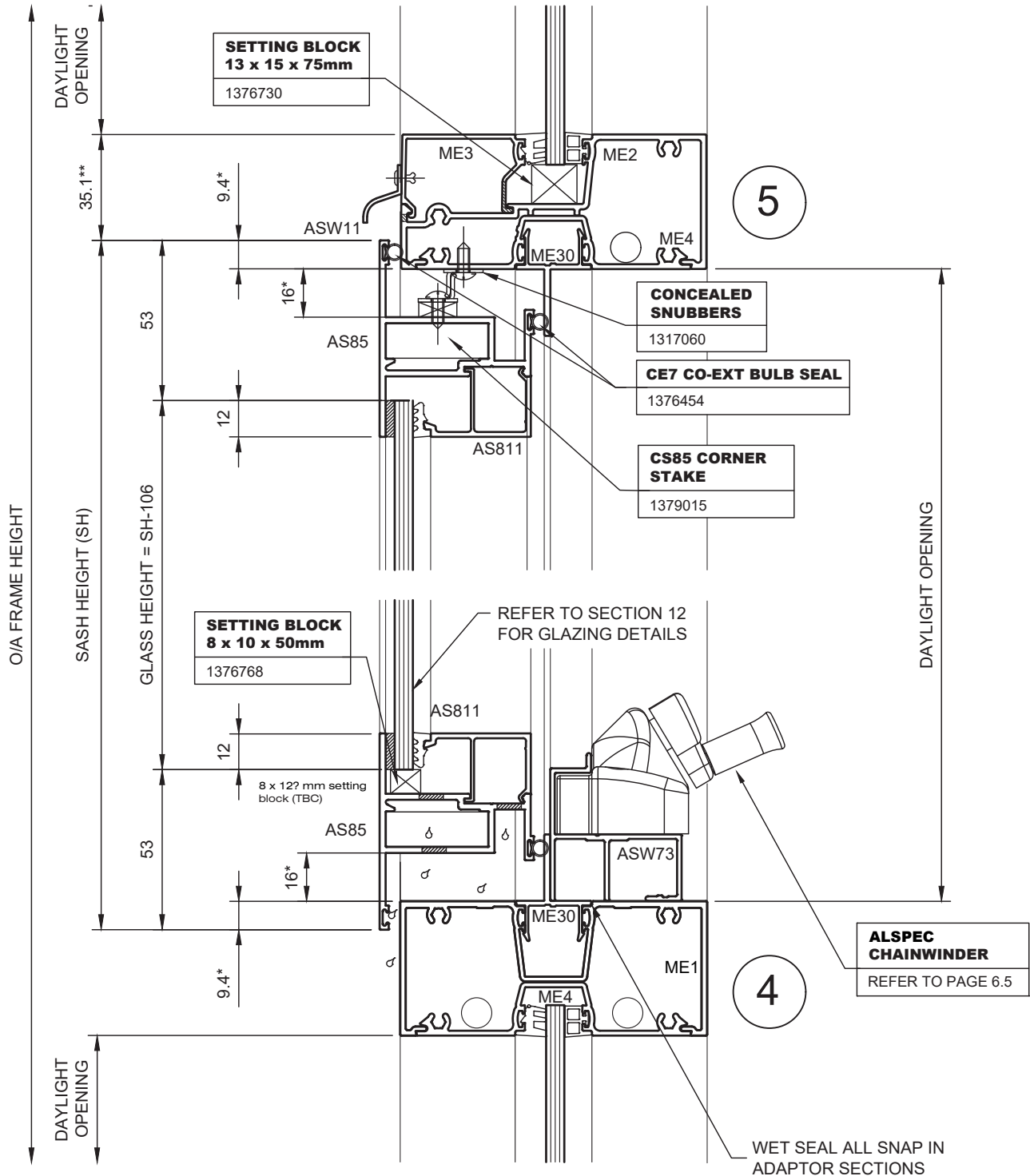
1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
2. WELD ALL BULB SEAL MITRE JOINT
3. * VARIES DEPENDING ON STAYS SELECTED (REFER TO HARDWARE PAGES)
4. ** VARIES DEPENDING ON FRAMING SYSTEM SPECIFIED



Typical McArthur Evo Transom Details AS85 Awning

NOTE:

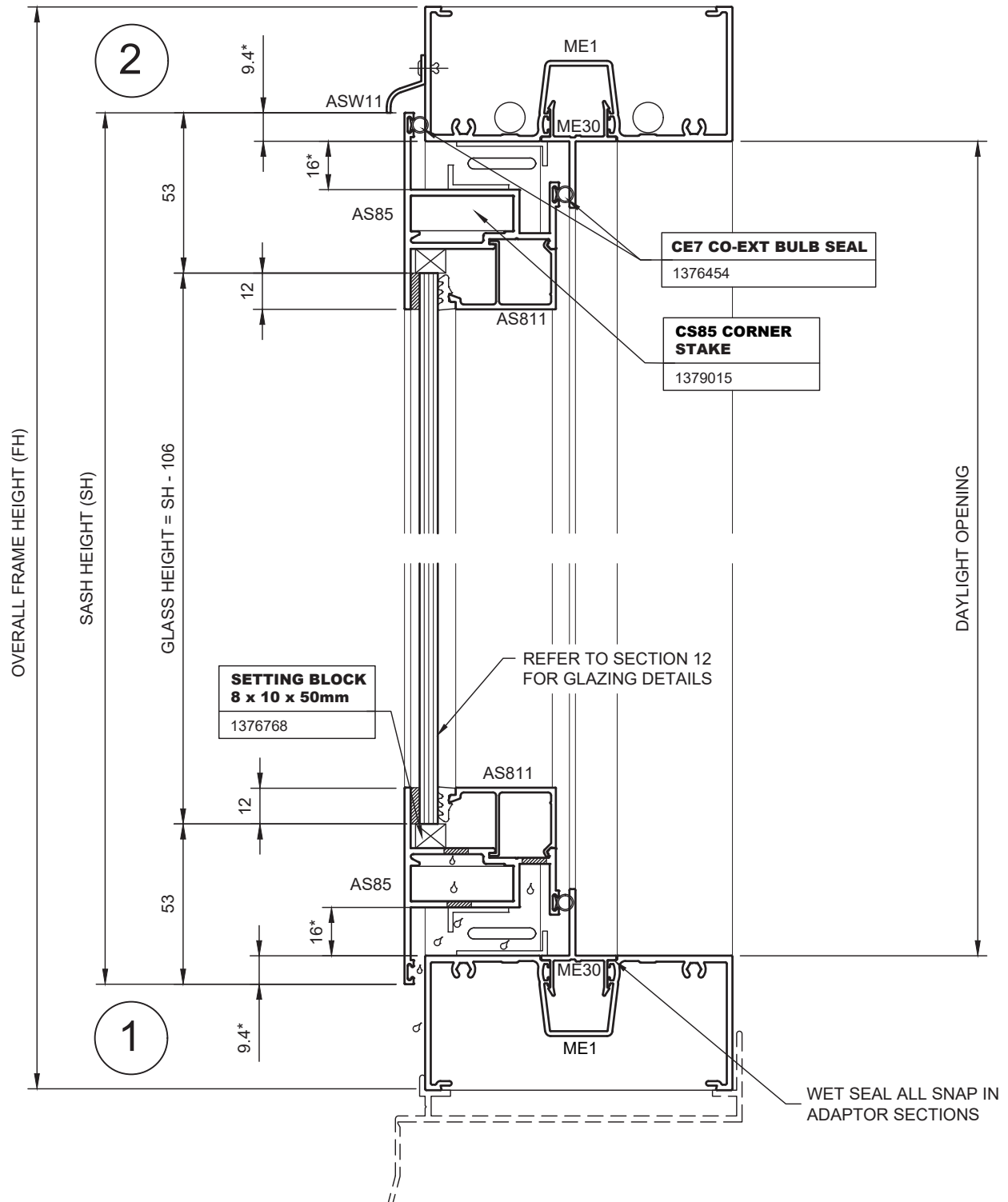
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3. * VARIES DEPENDING ON STAYS SELECTED (REFER TO HARDWARE PAGES)
4. ** VARIES DEPENDING ON FRAMING SYSTEM SPECIFIED



Typical McArthur Evo Head & Sill Details AS85 Casement

NOTE:

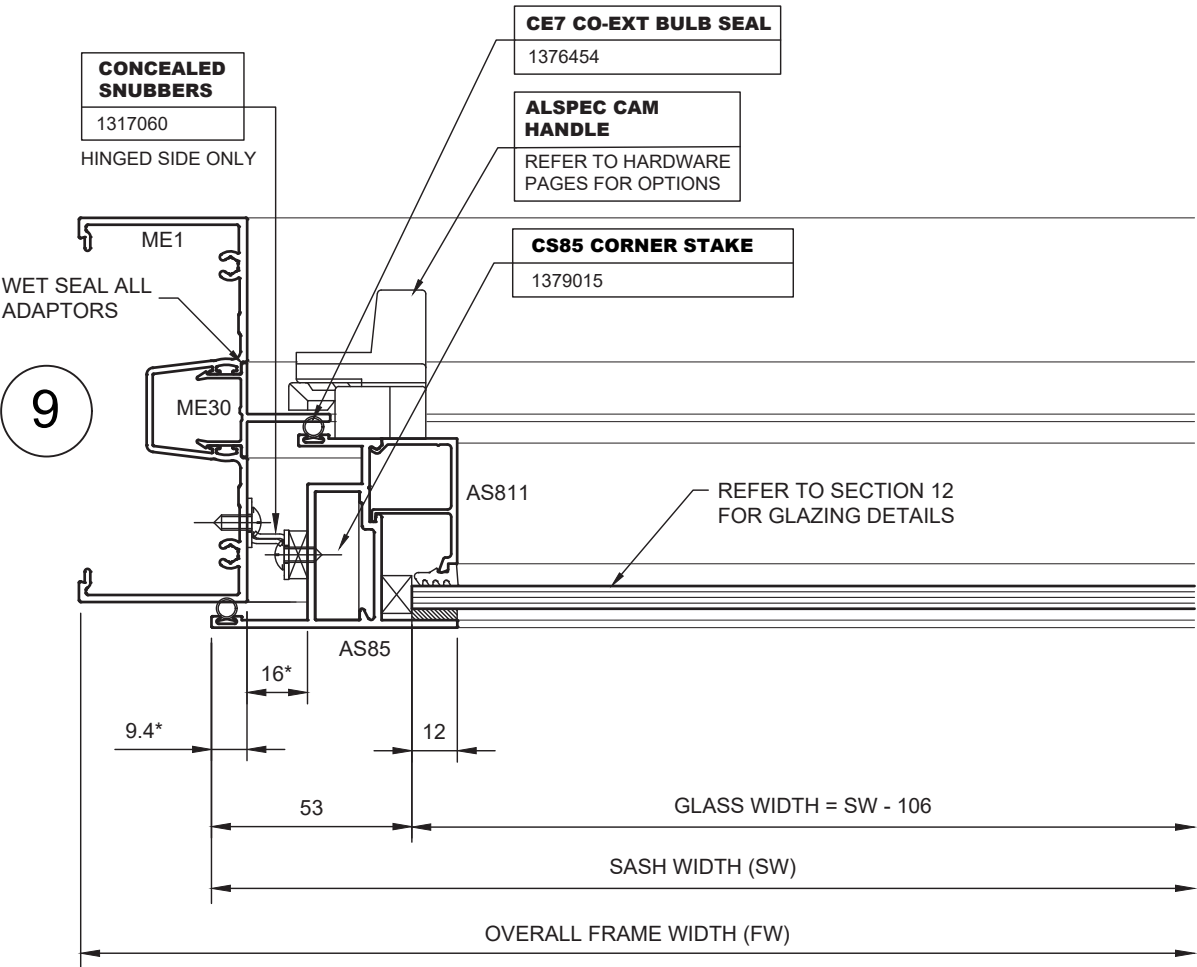
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2. WELD ALL BULB SEAL MITRE JOINT
3. * VARIES DEPENDING ON STAYS SELECTED (REFER TO HARDWARE PAGES)



8. Typical Details

Typical McArthur Evo Jamb Detail AS85 Casement

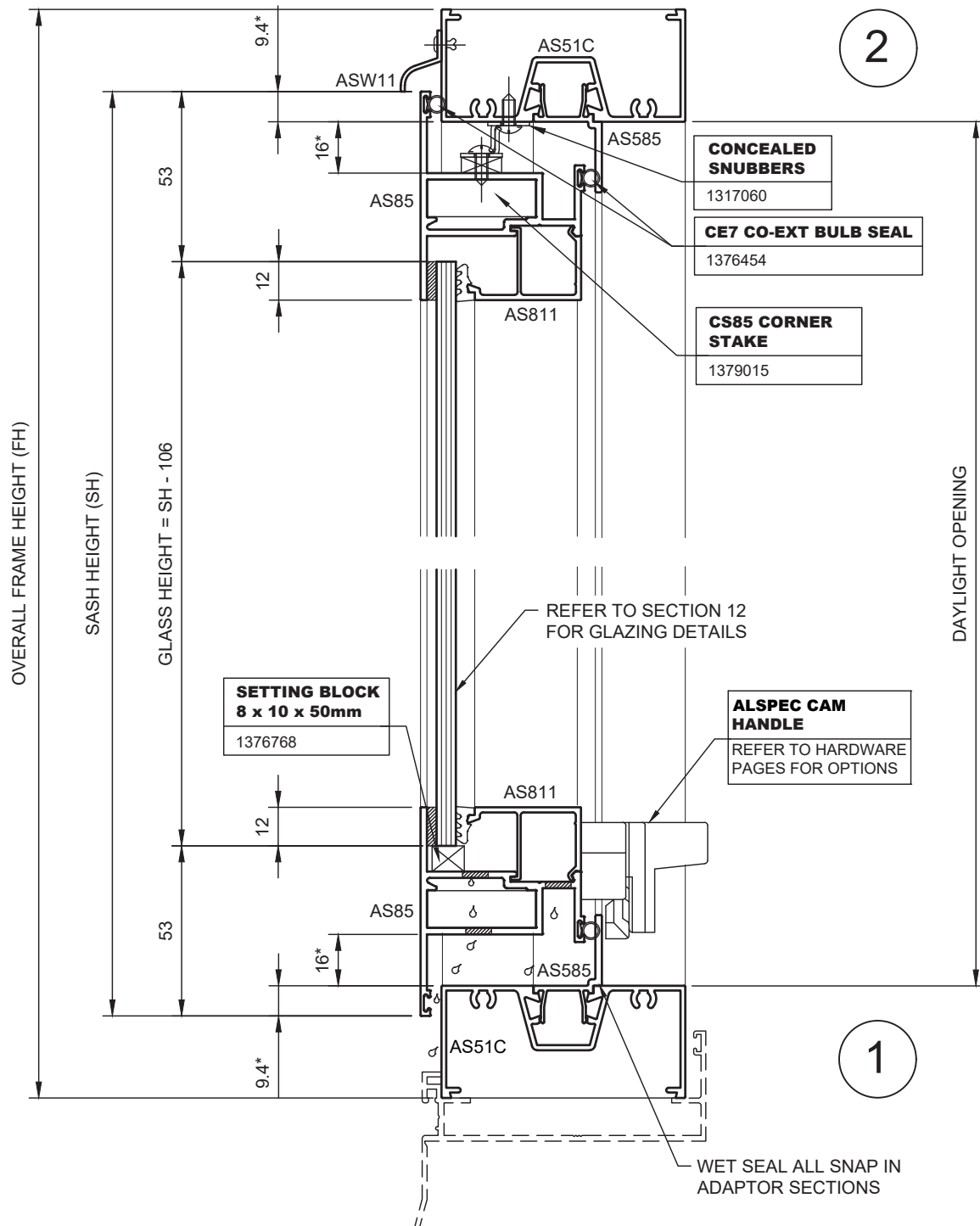
NOTE:
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2. WELD ALL BULB SEAL MITRE JOINT
3. * VARIES DEPENDING ON STAYS SELECTED (REFER TO HARDWARE PAGES)



Typical Derwent Frame Head & Sill Details AS85 Awning

NOTE:

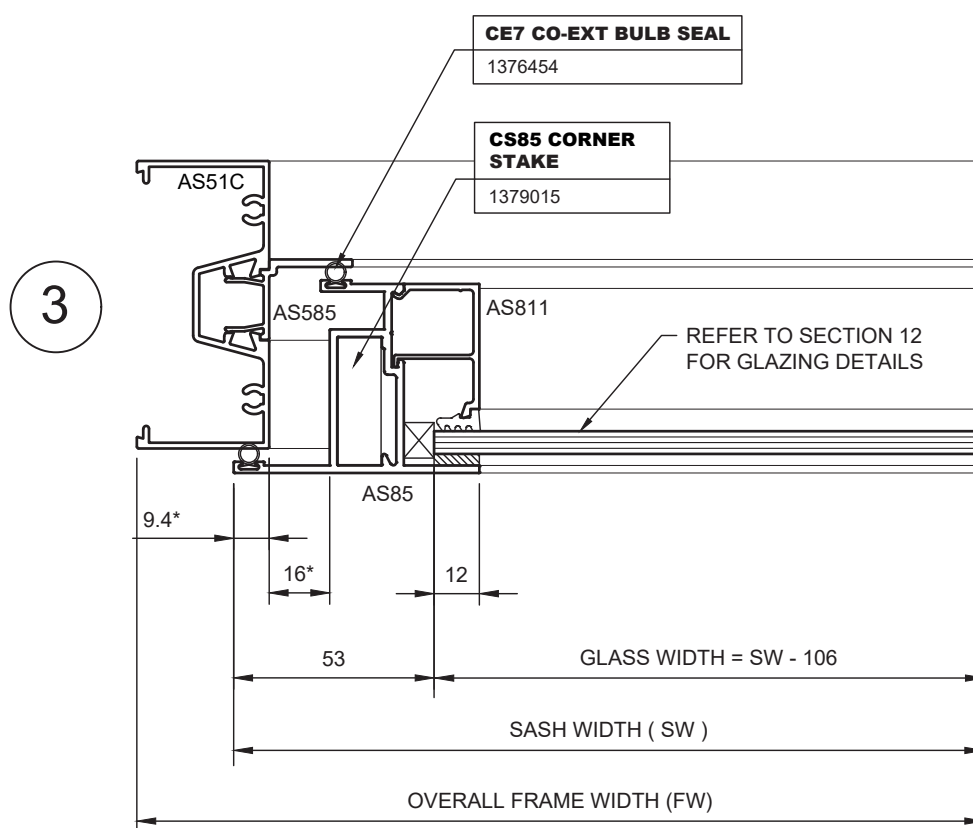
1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
2. WELD ALL BULB SEAL MITRE JOINT
3. * VARIES DEPENDING ON STAYS SELECTED (REFER TO HARDWARE PAGES)



Typical Derwent Frame Jamb Detail AS85 Awning

NOTE:

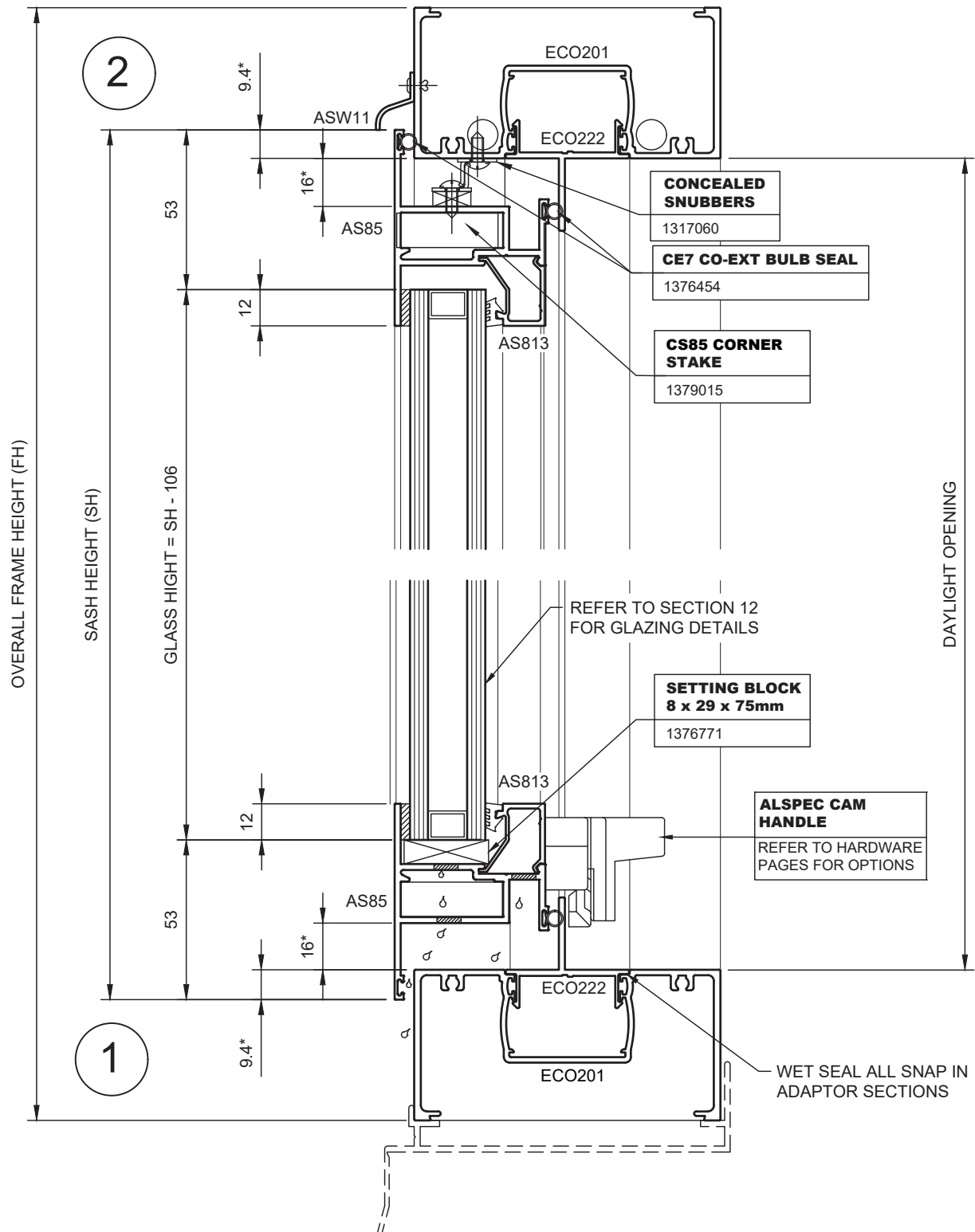
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2. WELD ALL BULB SEAL MITRE JOINT
3. * VARIES DEPENDING ON STAYS SELECTED (REFER TO HARDWARE PAGES)



Typical ecoFRAMEplus Head & Sill Details AS85 Awning

NOTE:

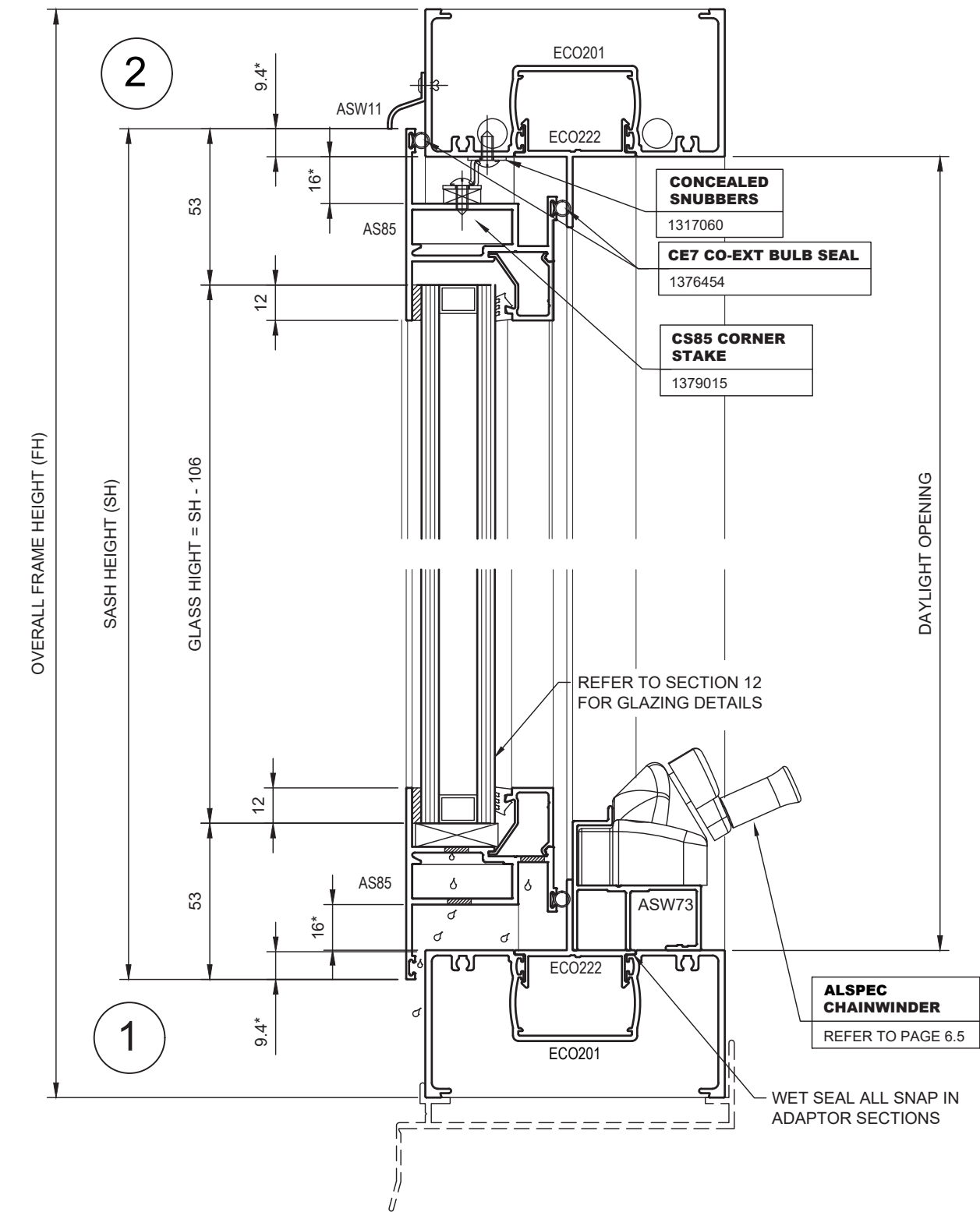
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2. WELD ALL BULB SEAL MITRE JOINT
3. * VARIES DEPENDING ON STAYS SELECTED (REFER TO HARDWARE PAGES)



8. Typical Details

Typical ecoFRAMEplus Head & Sill Details AS85 Awning

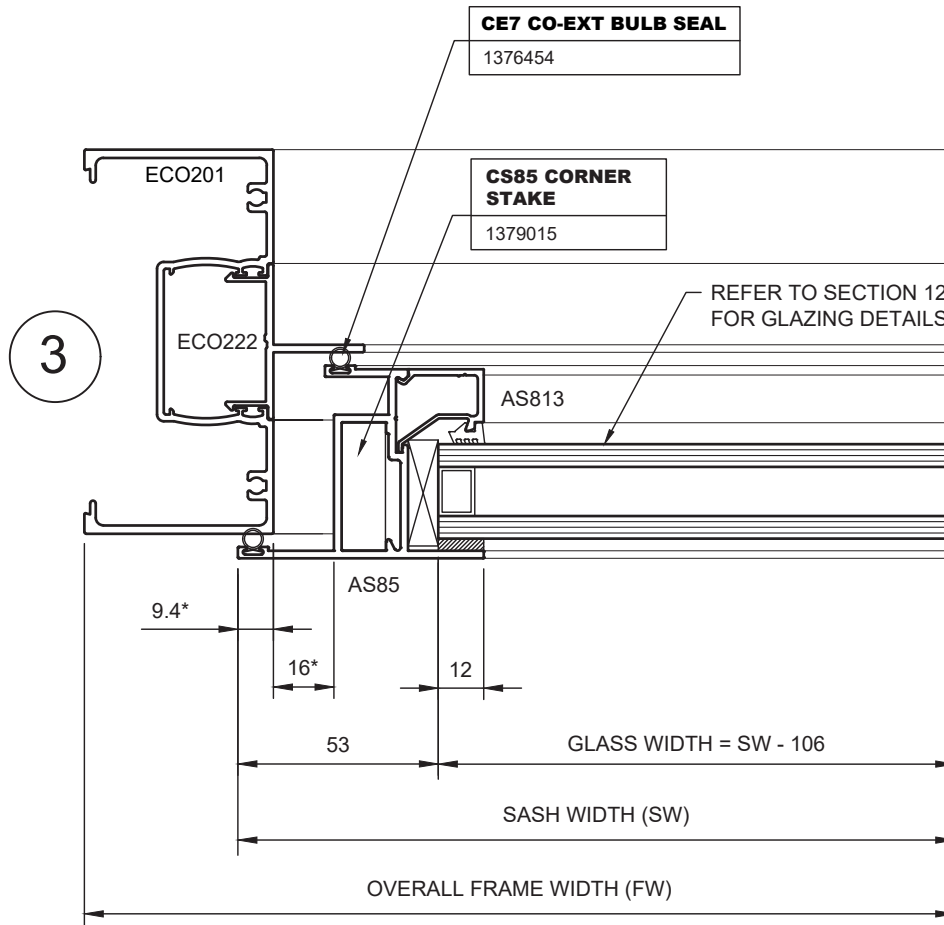
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2. WELD ALL BULB SEAL MITRE JOINT
3. * VARIES DEPENDING ON STAYS SELECTED (REFER TO HARDWARE PAGES)



Typical ecoFRAMEplus Jamb Detail AS85 Awning

NOTE:

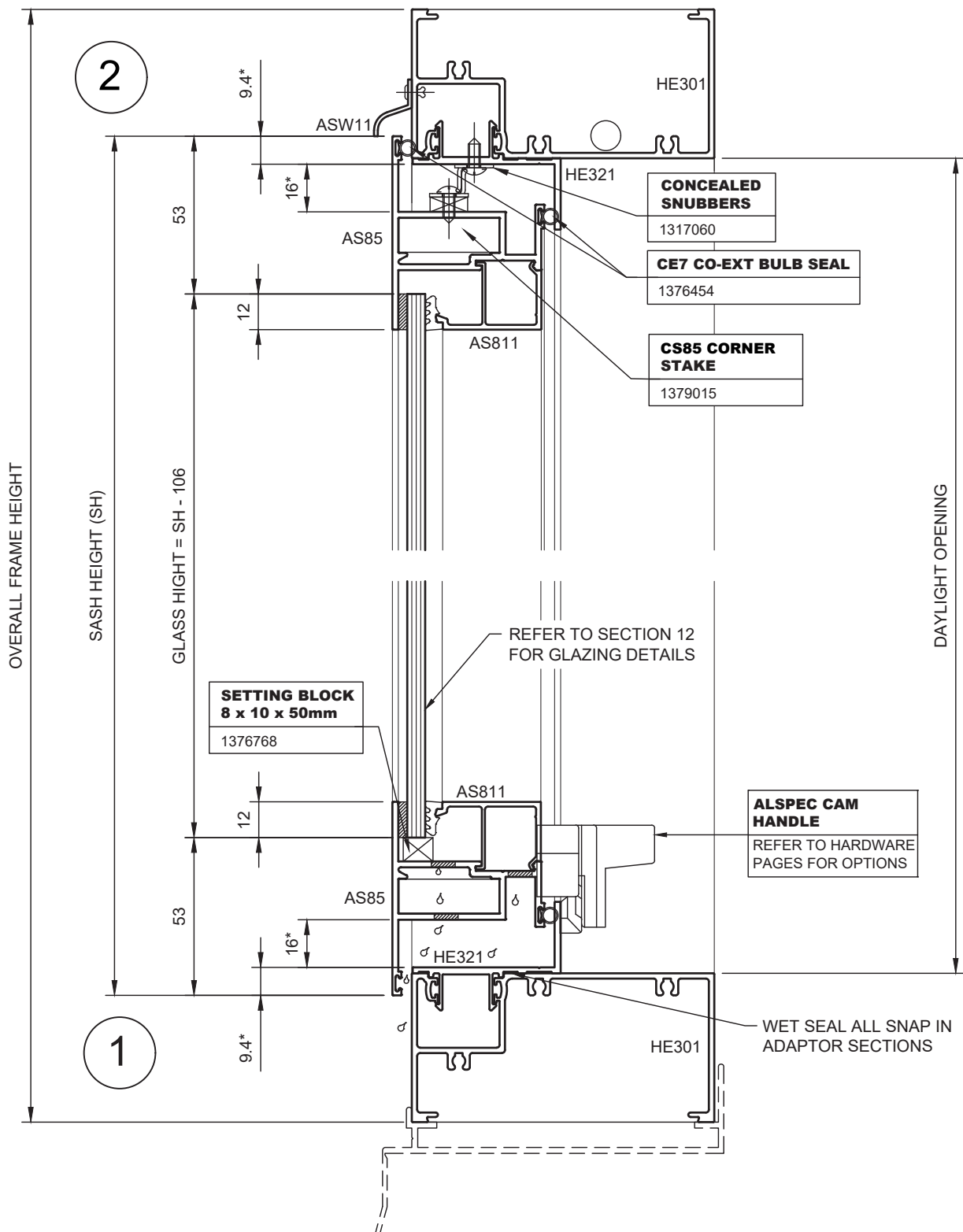
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2. WELD ALL BULB SEAL MITRE JOINT
3. * VARIES DEPENDING ON STAYS SELECTED (REFER TO HARDWARE PAGES)



Typical Hunter Evo SG Head & Sill Details AS85 Awning

NOTE:

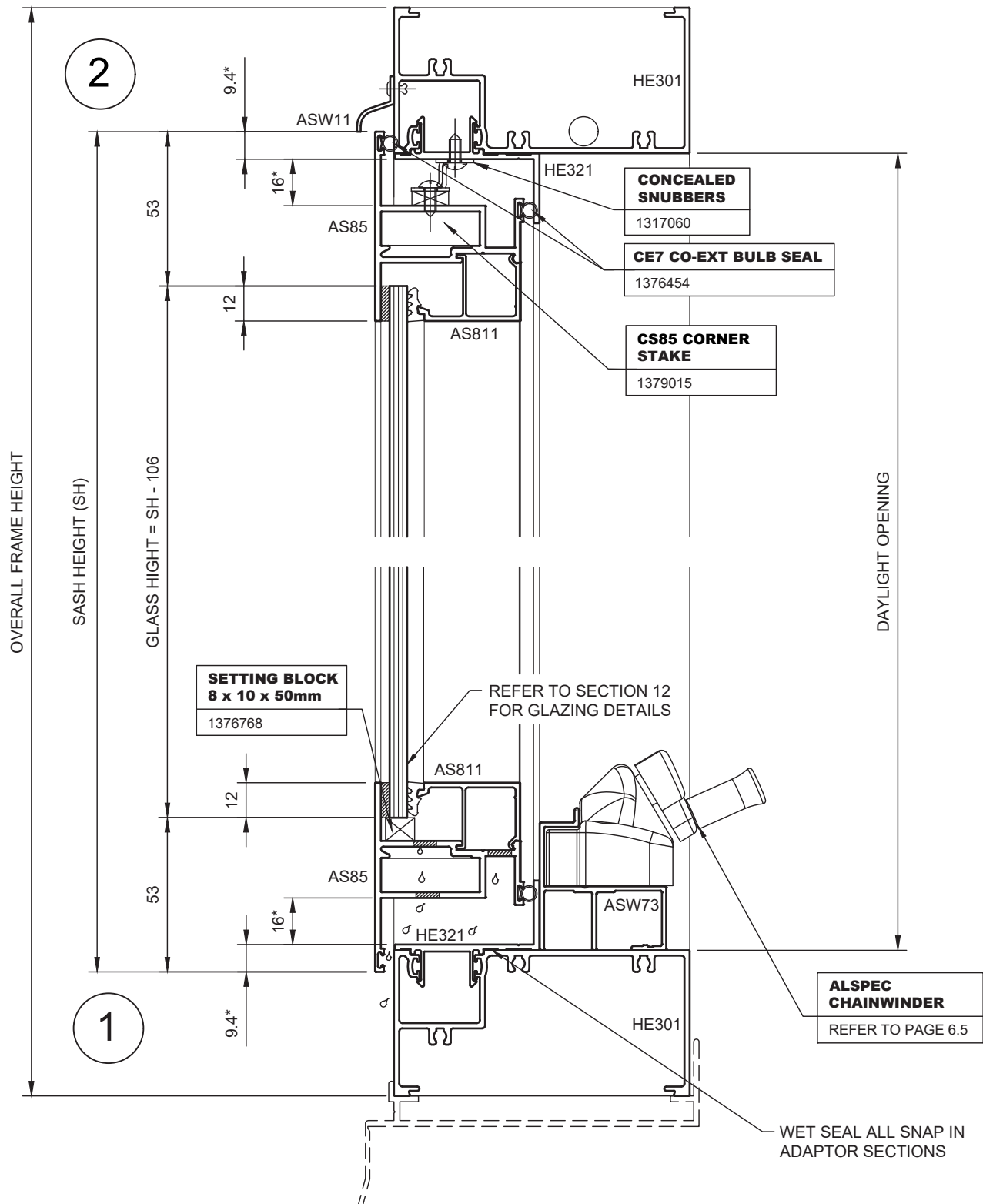
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3. * VARIES DEPENDING ON STAYS SELECTED (REFER TO HARDWARE PAGES)



Typical Hunter Evo SG Head & Sill Details AS85 Awning

NOTE:

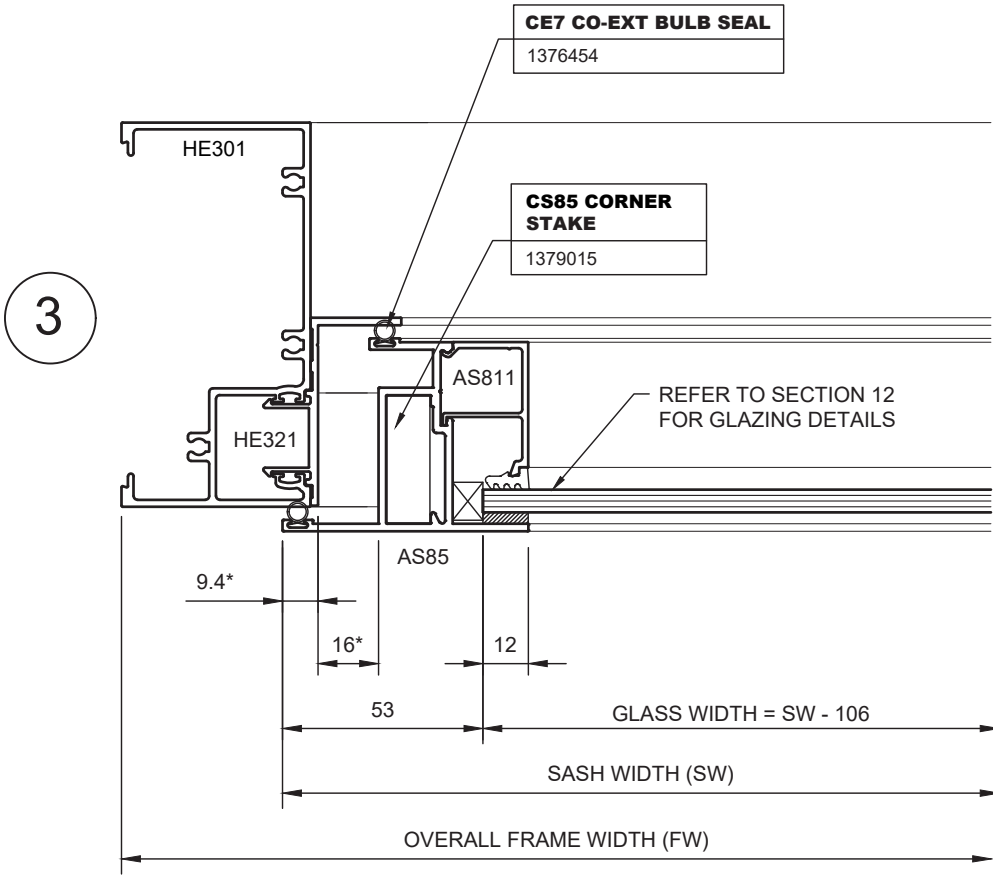
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2. WELD ALL BULB SEAL MITRE JOINT
3. * VARIES DEPENDING ON STAYS SELECTED (REFER TO HARDWARE PAGES)



8. Typical Details

Typical Hunter Evo SG Jamb Detail AS85 Awning

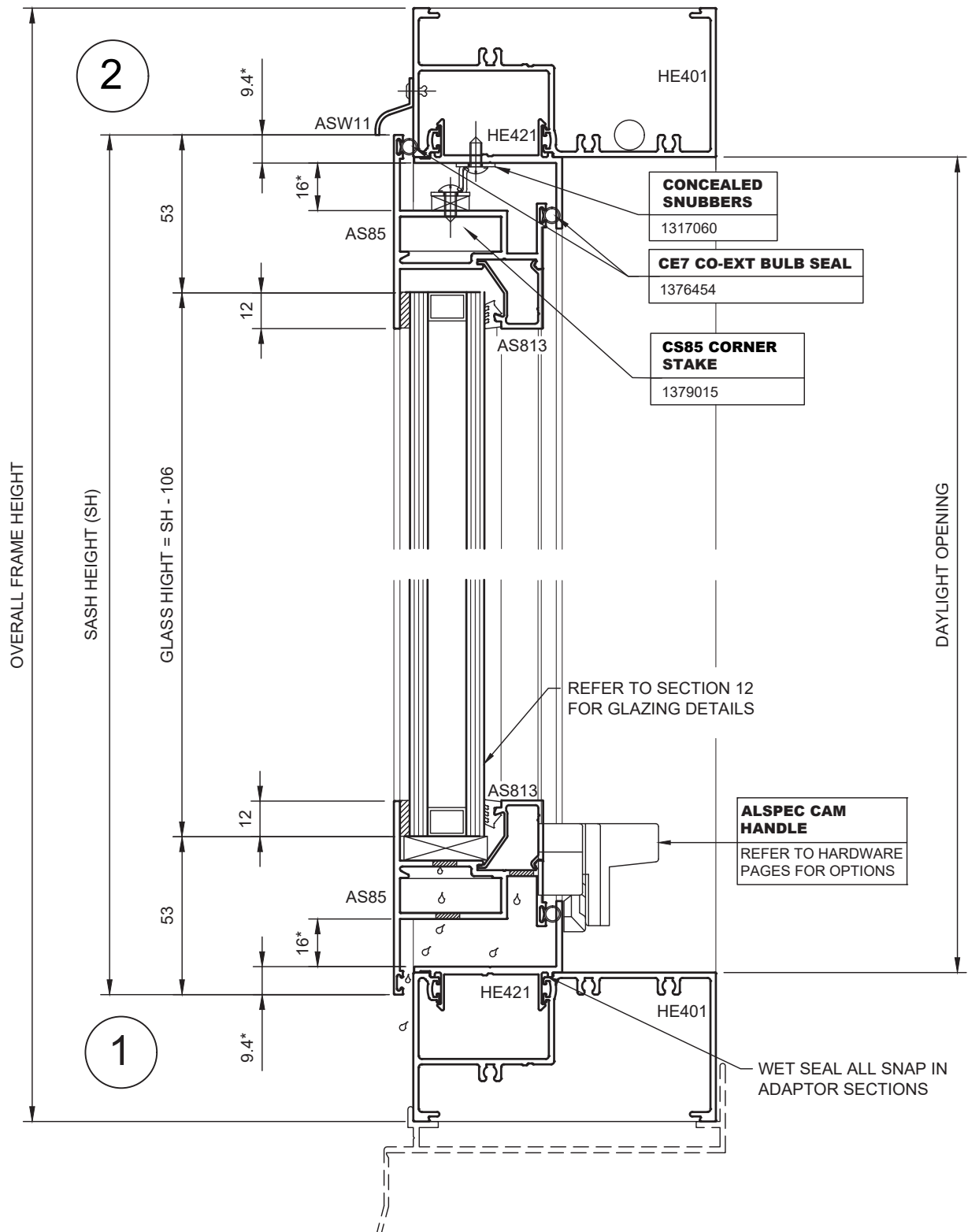
NOTE:
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2. WELD ALL BULB SEAL MITRE JOINT
3. * VARIES DEPENDING ON STAYS SELECTED (REFER TO HARDWARE PAGES)
4. ** VARIES DEPENDING ON FRAMING SYSTEM SPECIFIED



Typical Hunter Evo DG Head & Sill Details AS85 Awning

NOTE:

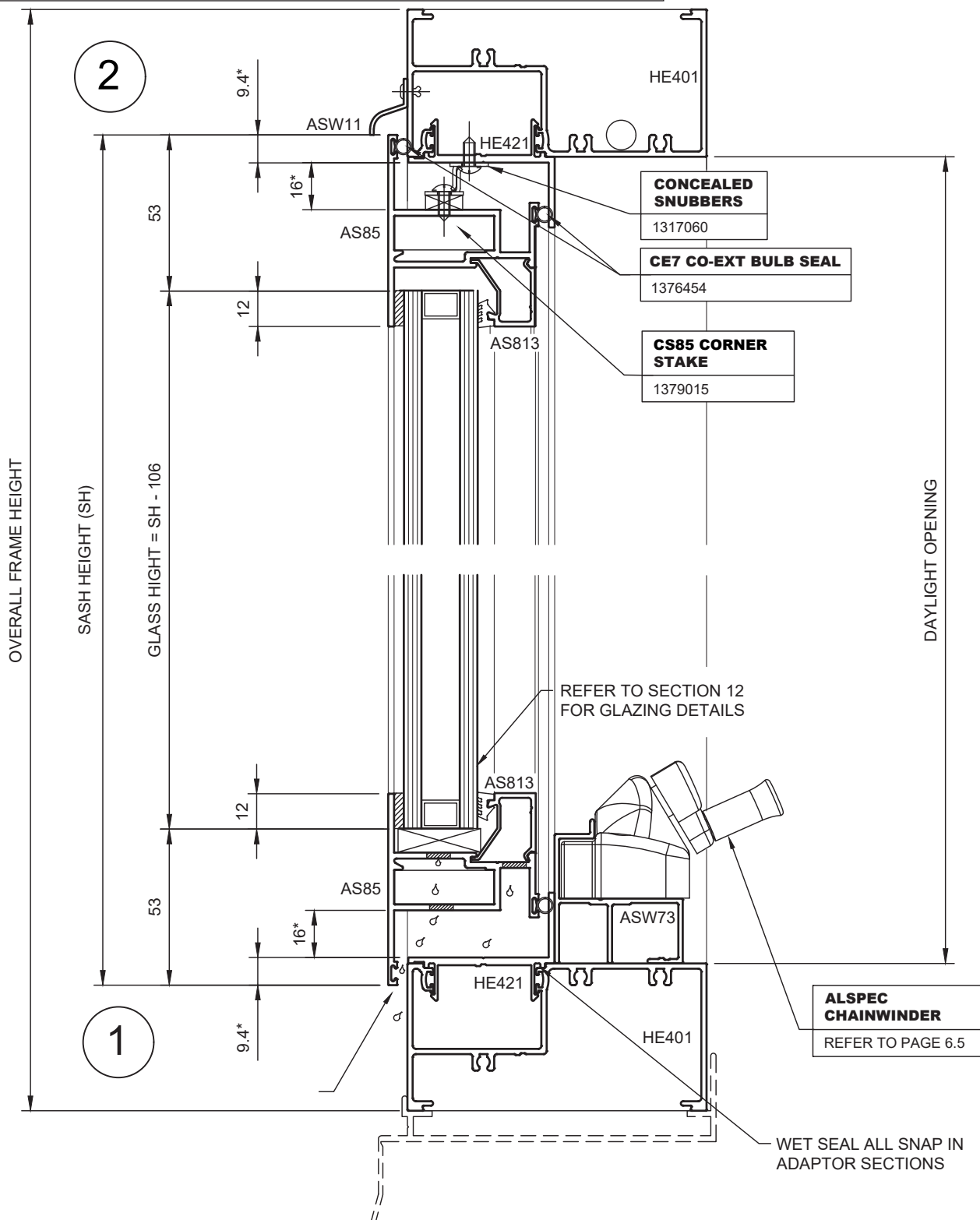
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3. * VARIES DEPENDING ON STAYS SELECTED (REFER TO HARDWARE PAGES)



Typical Hunter Evo DG Head & Sill Details AS85 Awning

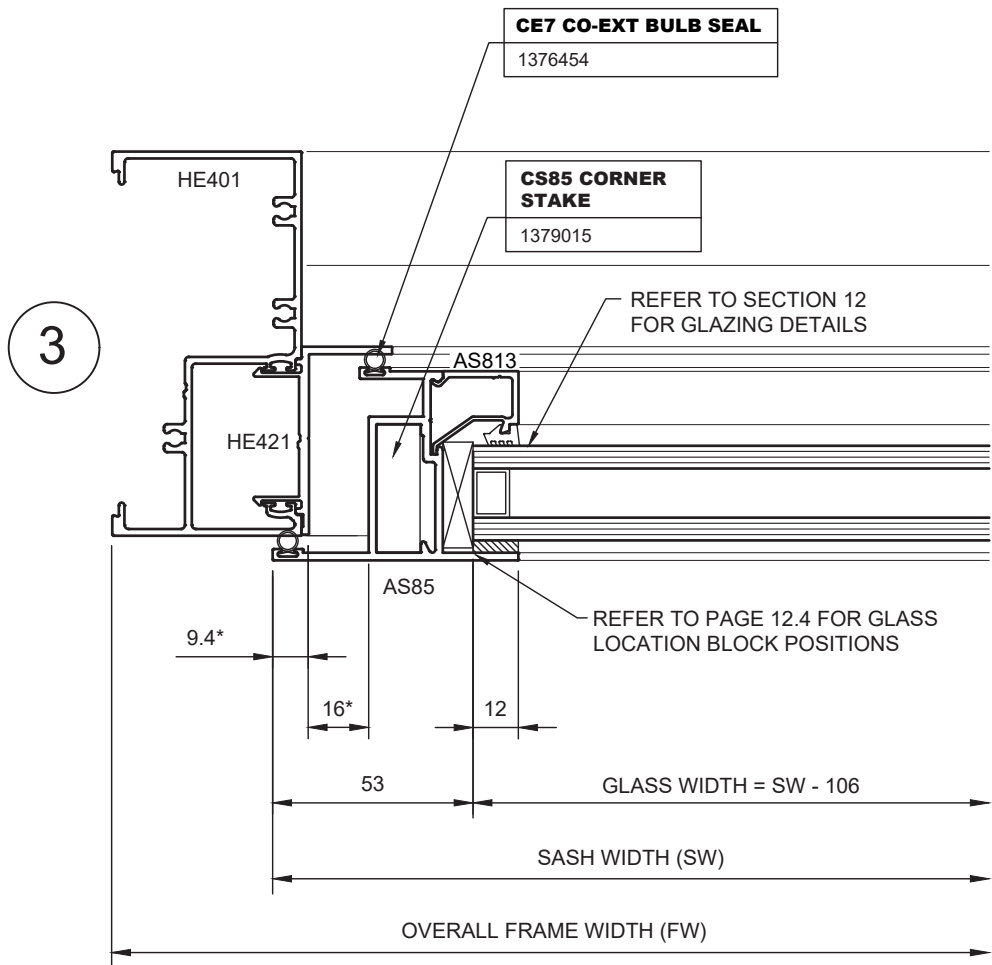
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3. * VARIES DEPENDING ON STAYS SELECTED (REFER TO HARDWARE PAGES)



Typical Hunter Evo DG Jamb Detail AS85 Awning

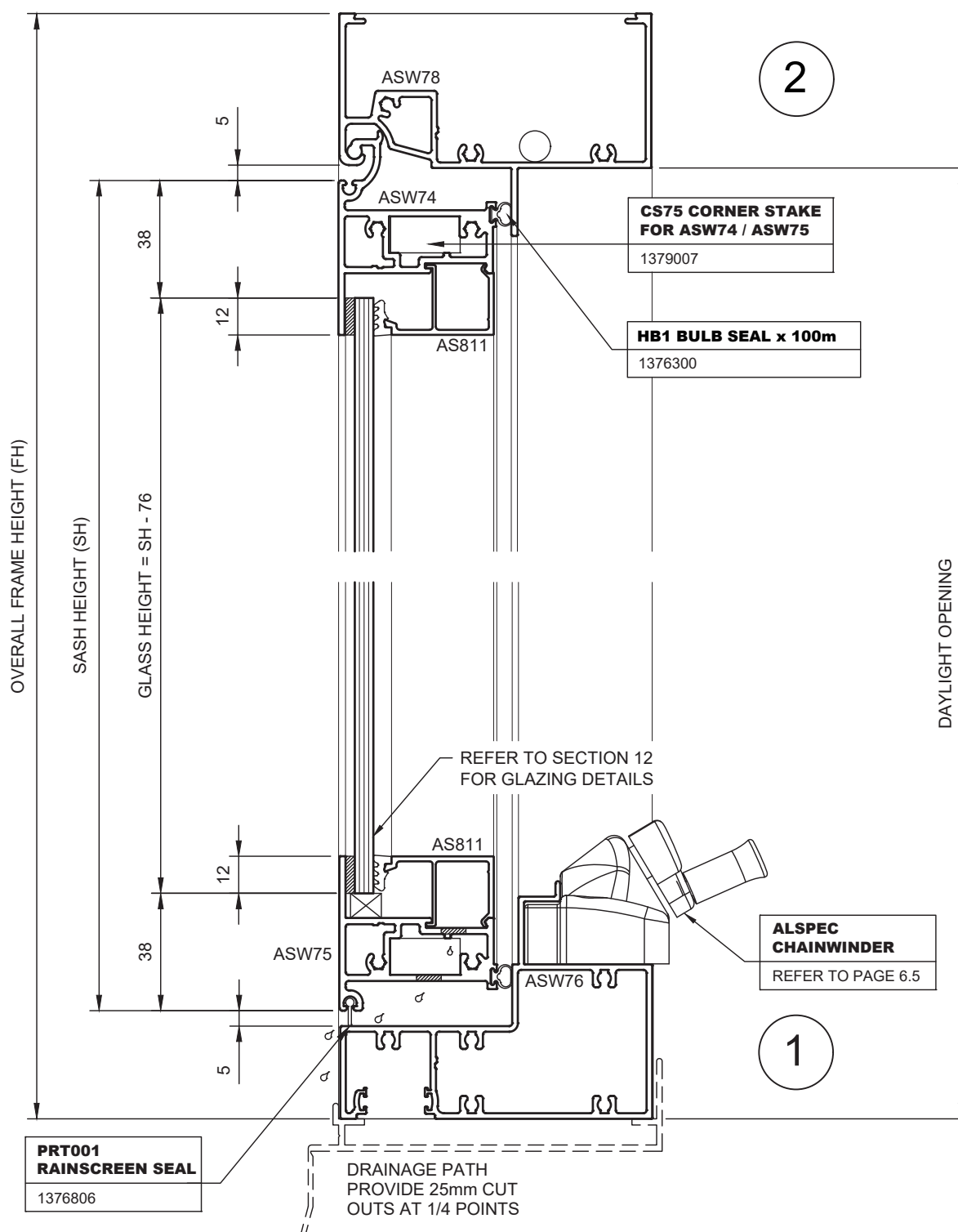
- NOTE:**
- 1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
 - 2. WELD ALL BULB SEAL MITRE JOINT
 - 3. * VARIES DEPENDING ON STAYS SELECTED (REFER TO HARDWARE PAGES)



Typical SG Head & Sill Details Top Hung Awning Hunter Evo

NOTE:

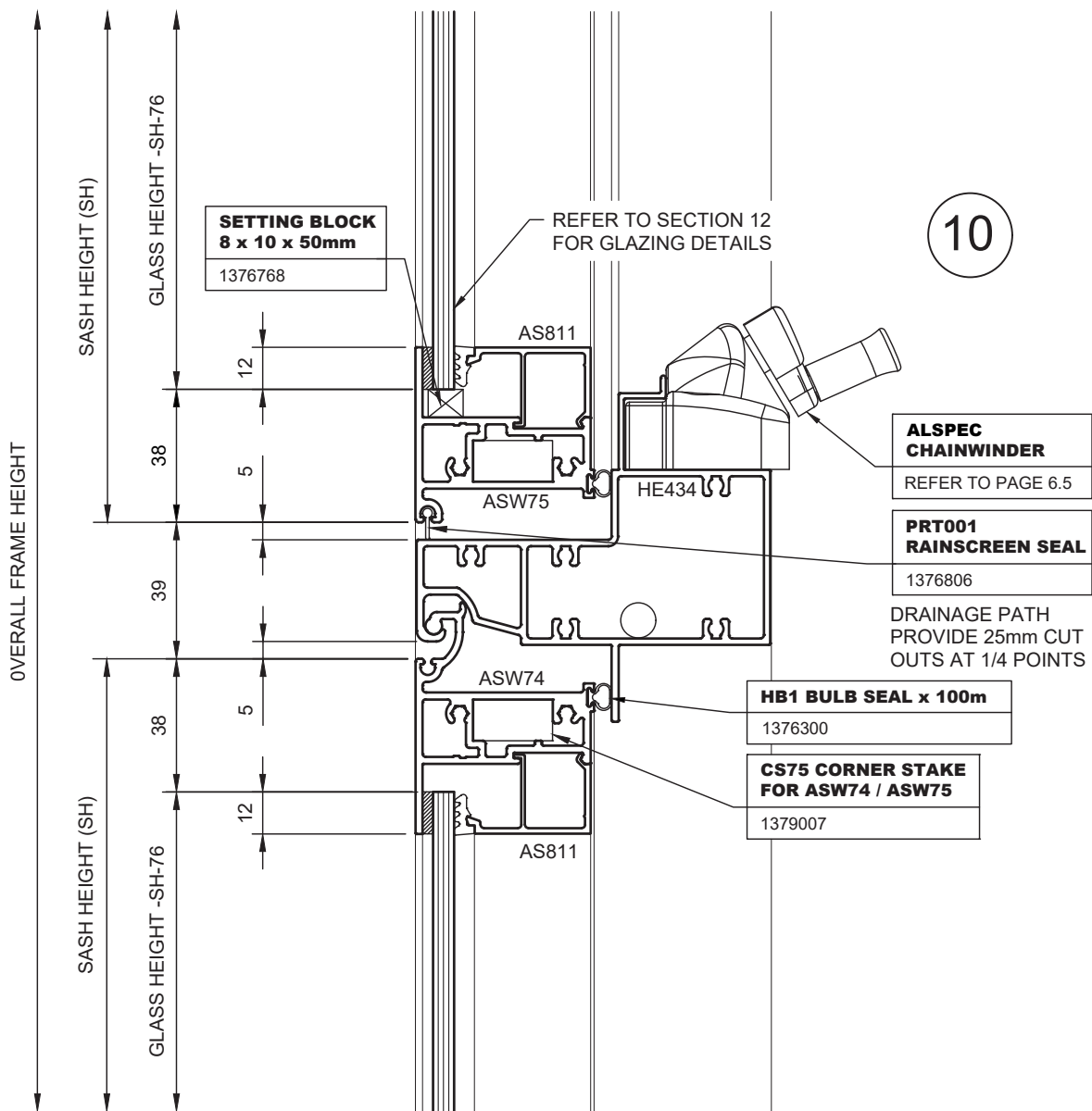
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2. WELD ALL BULB SEAL MITRE JOINT



8. Typical Details

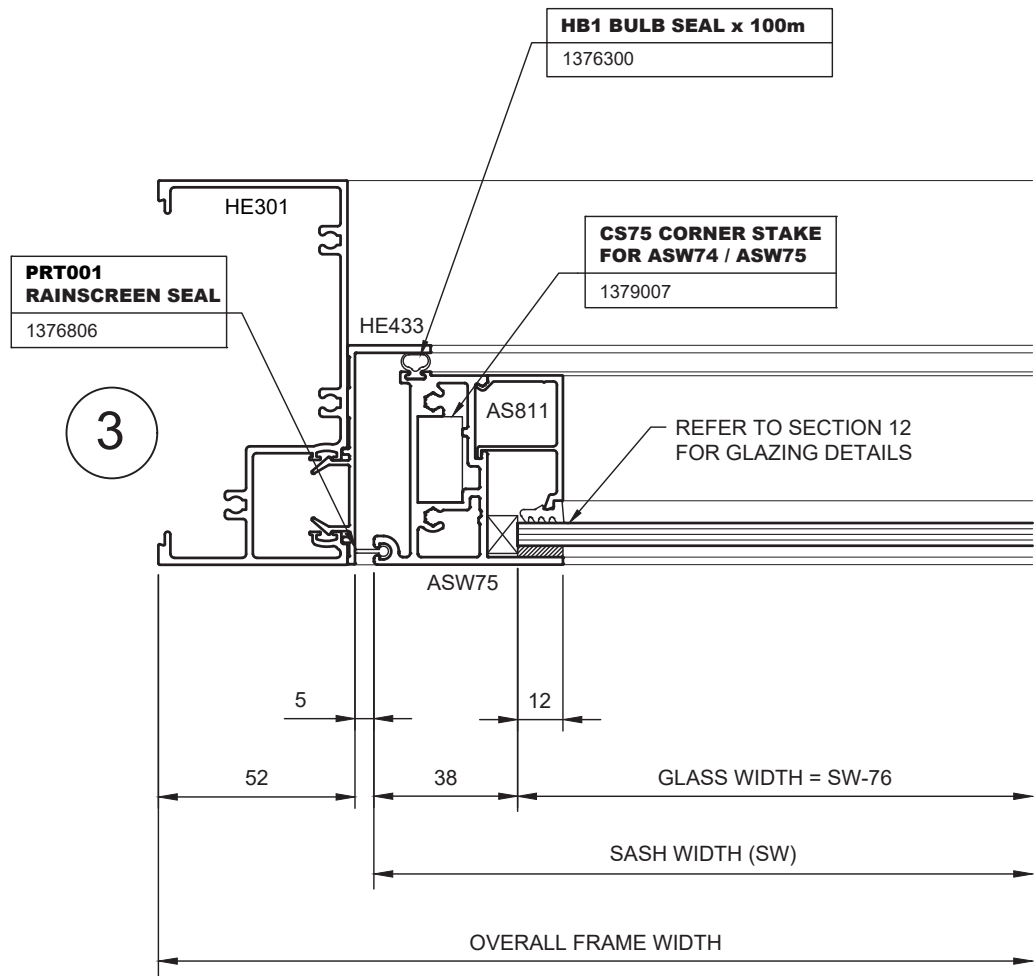
Typical SG Top Hung Awning / Awning Transom Detail Hunter Evo

NOTE:
1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
2. WELD ALL BULB SEAL MITRE JOINT



Typical SG Jamb Detail Top Hung Awning Hunter Evo

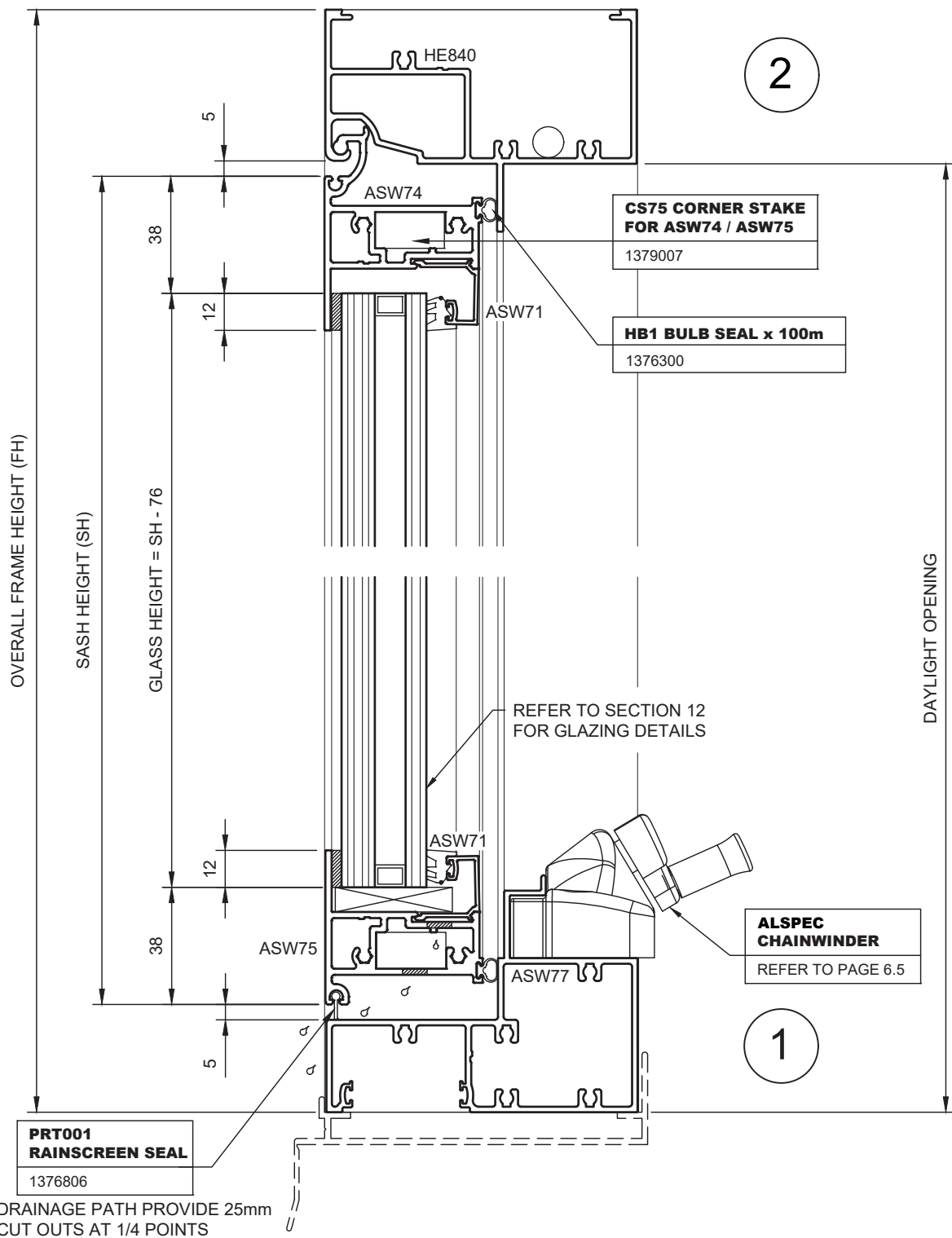
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2. WELD ALL BULB SEAL MITRE JOINT



Typical DG Head & Sill Details Top Hung Awning Hunter Evo

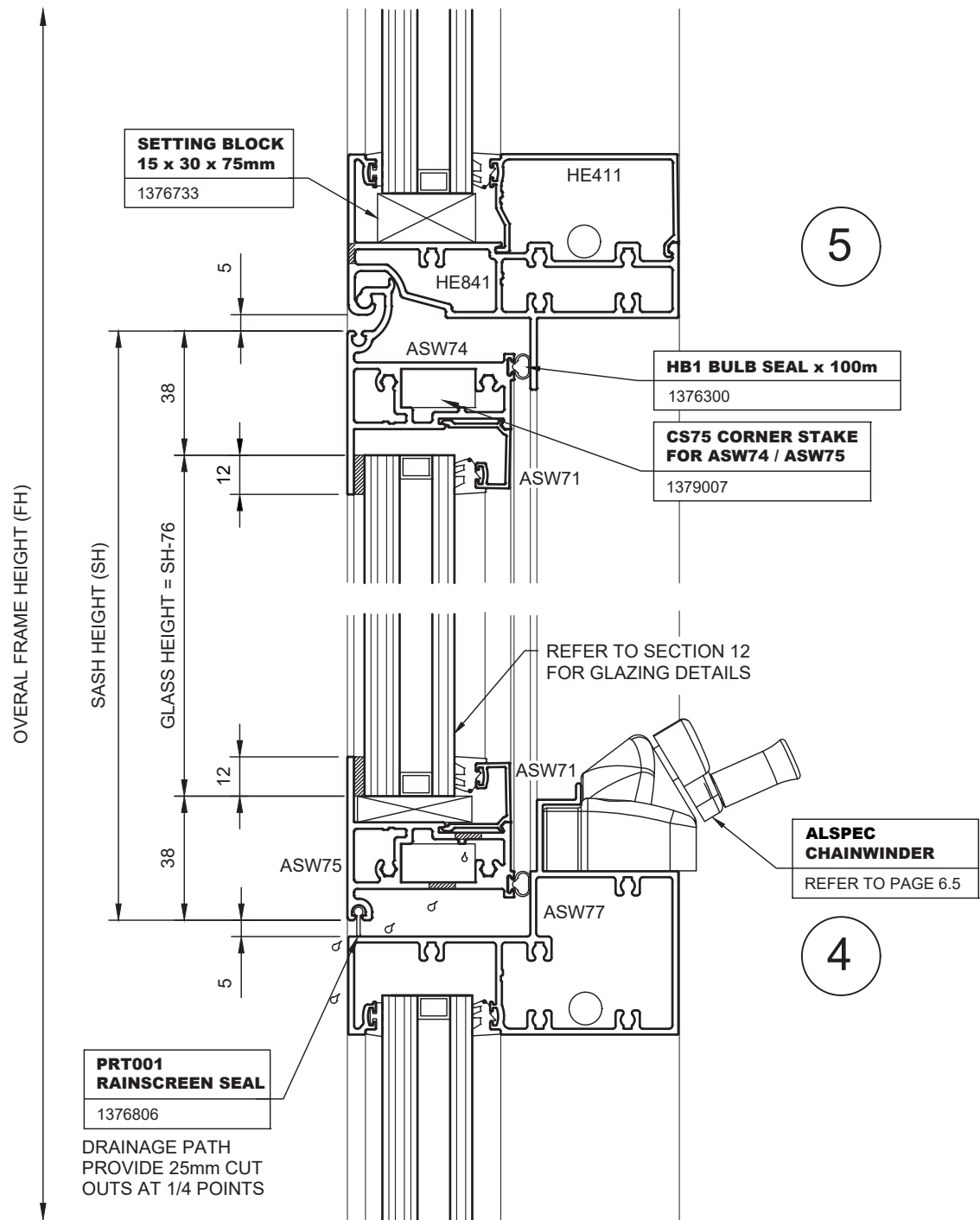
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2. WELD ALL BULB SEAL MITRE JOINT



Typical DG Transom Details Top Hung Awning Hunter Evo

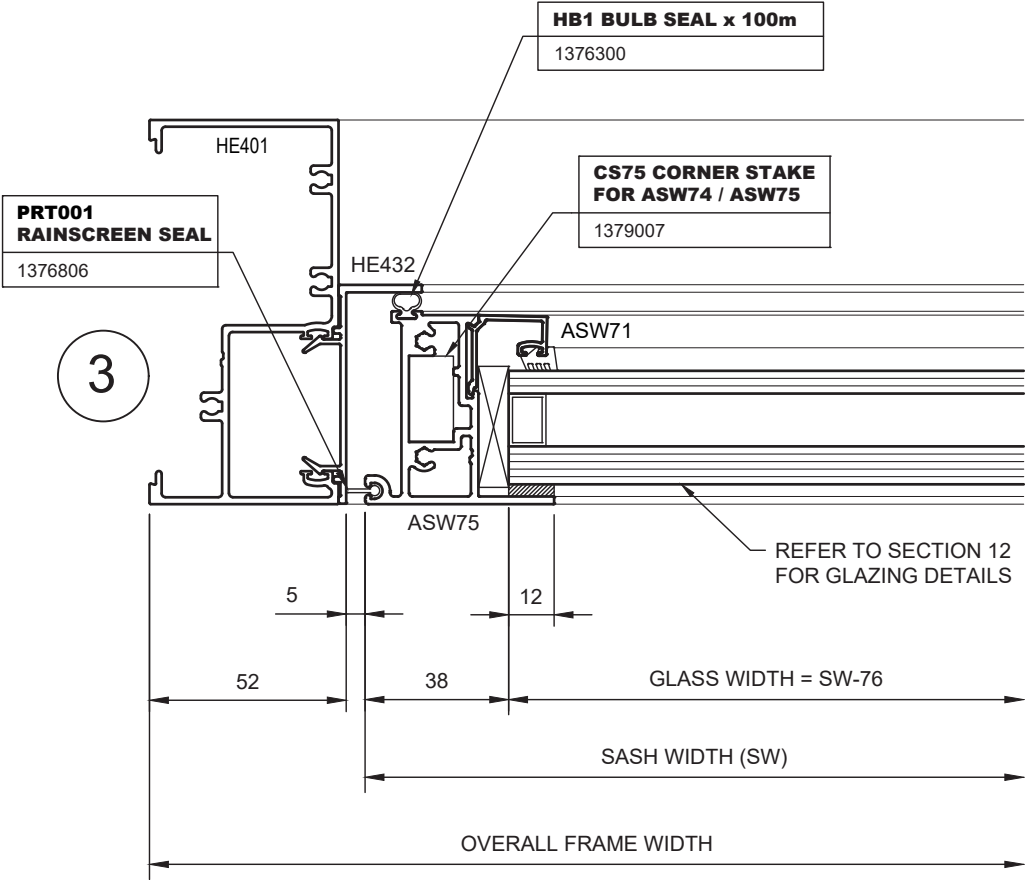
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8. Typical Details

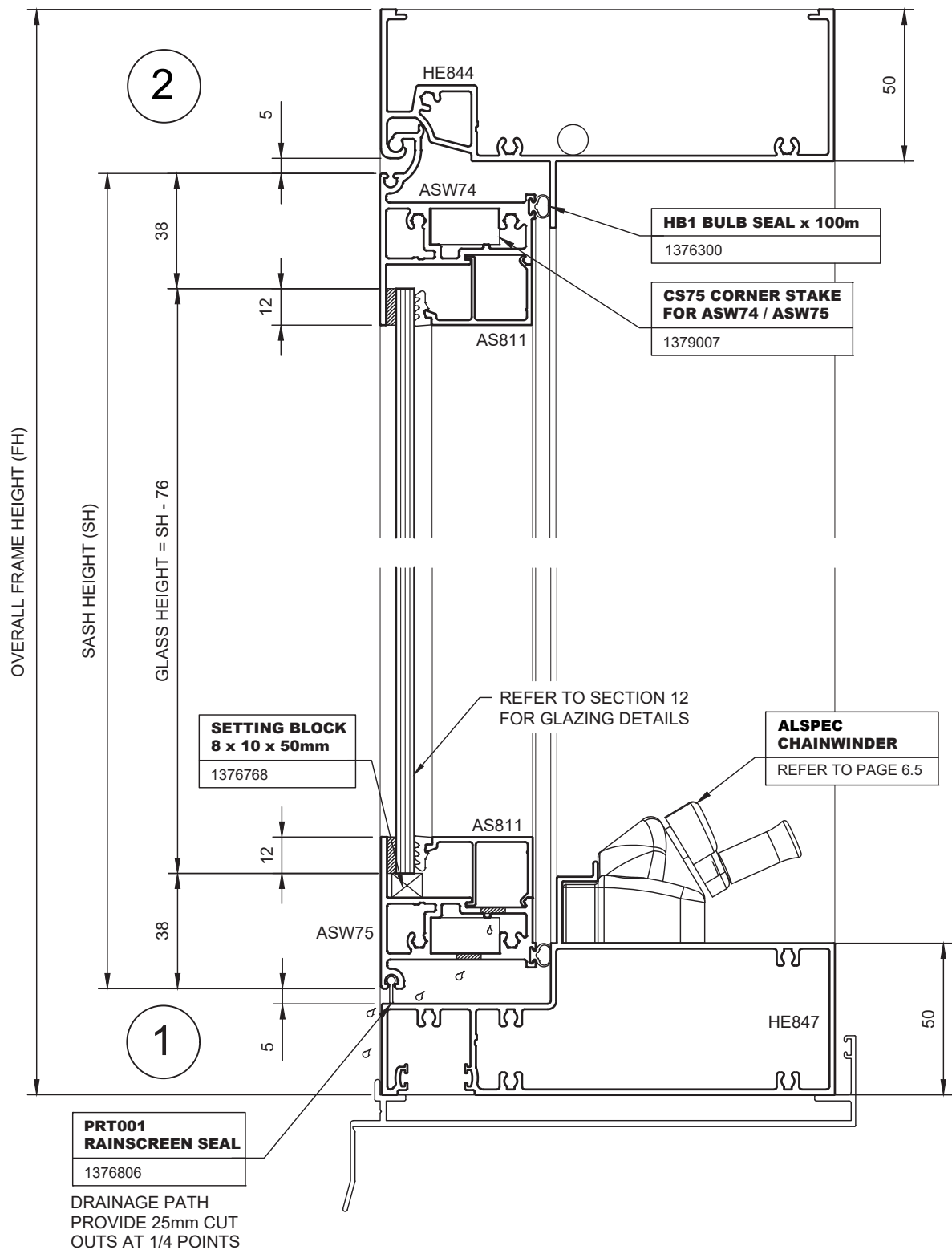
Typical DG Jamb Detail Top Hung Awning Hunter Evo

NOTE:
1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
2. WELD ALL BULB SEAL MITRE JOINT



Typical SG 150 Head & Sill Details T.H. Awning Hunter Evo

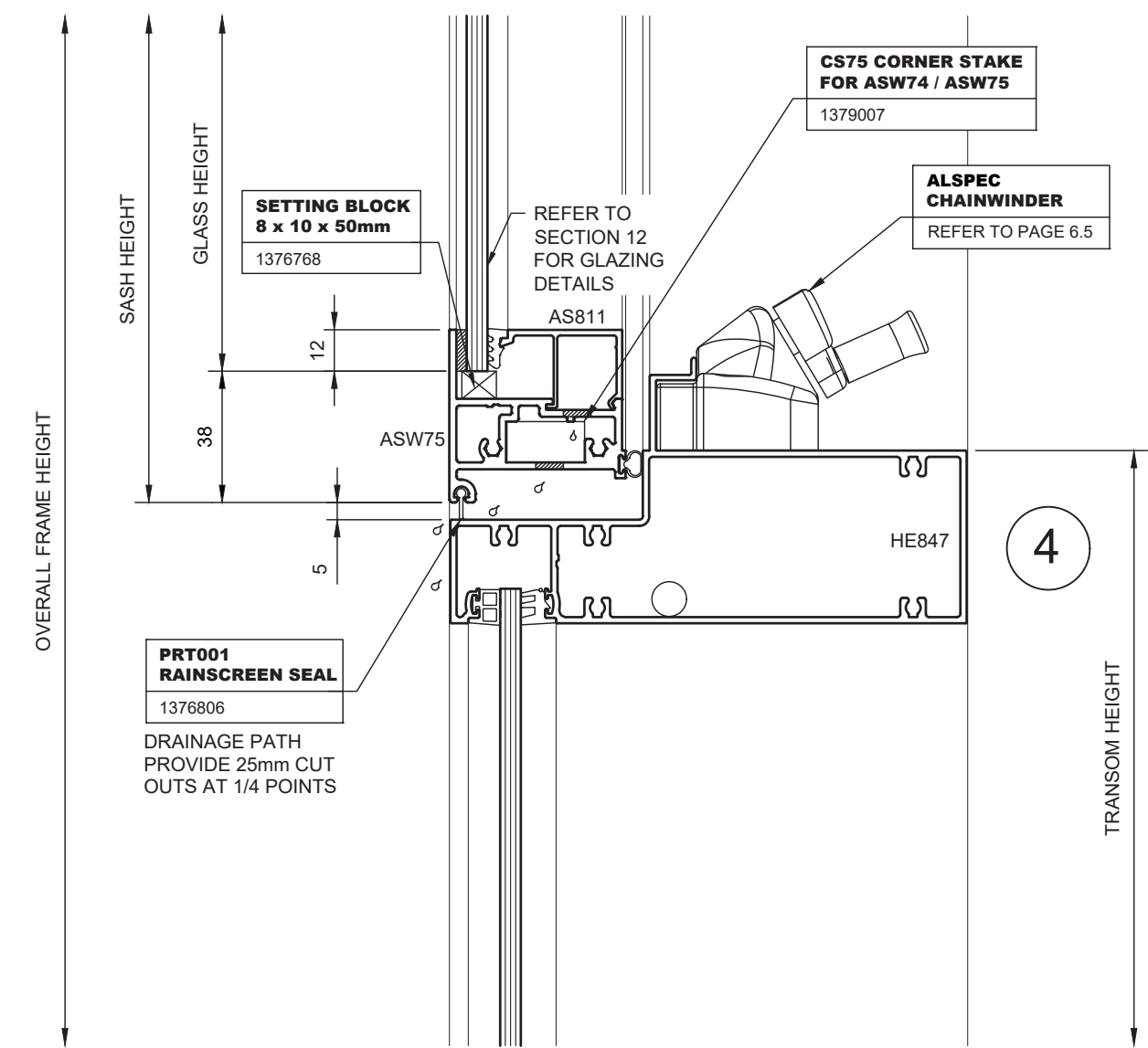
NOTE:
1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
2. WELD ALL BULB SEAL MITRE JOINT



8. Typical Details

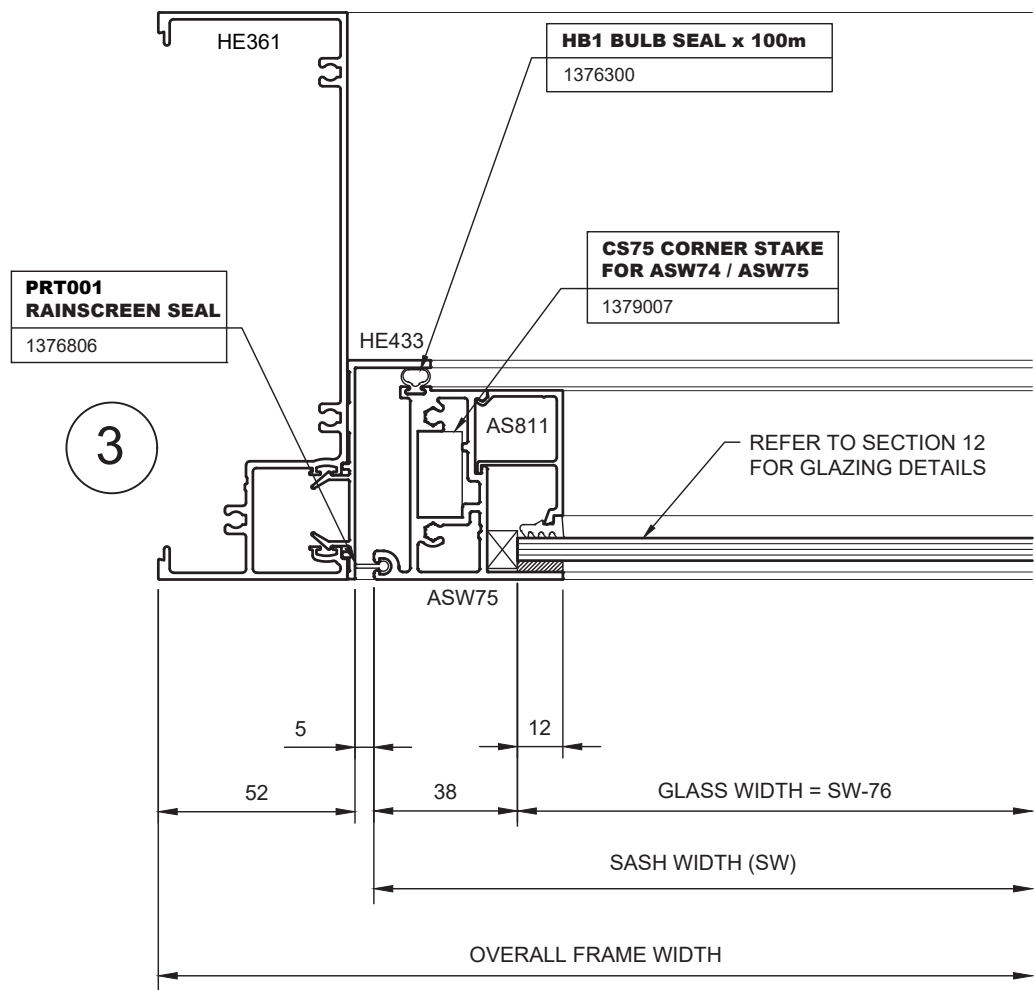
Typical SG 150 Transom Detail Top Hung Awning Hunter Evo

NOTE:
1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
2. WELD ALL BULB SEAL MITRE JOINT



Typical SG 150 Jamb Detail T.H. Awning Hunter Evo

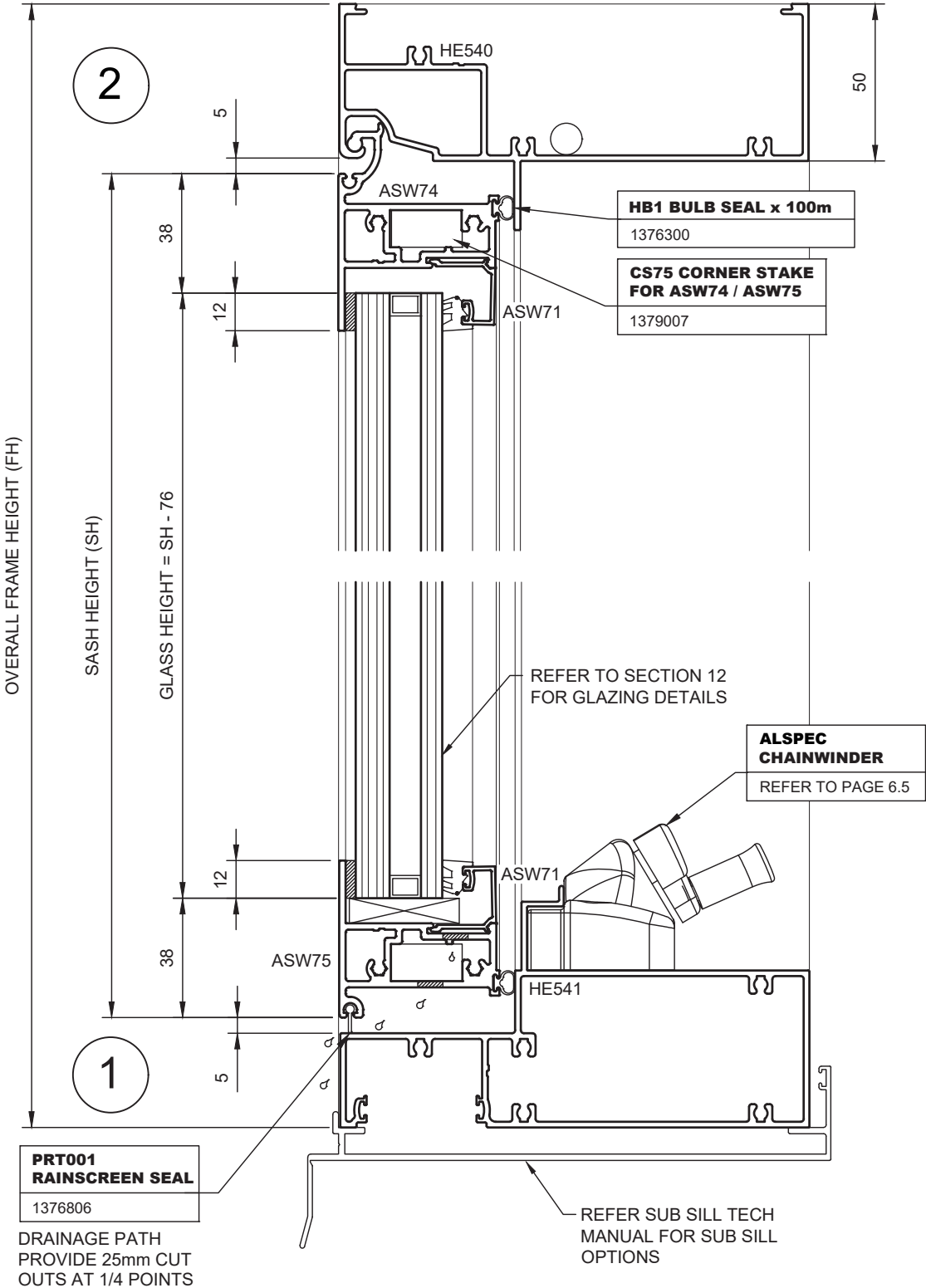
- NOTE:**
- 1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
 - 2. WELD ALL BULB SEAL MITRE JOINT



8. Typical Details

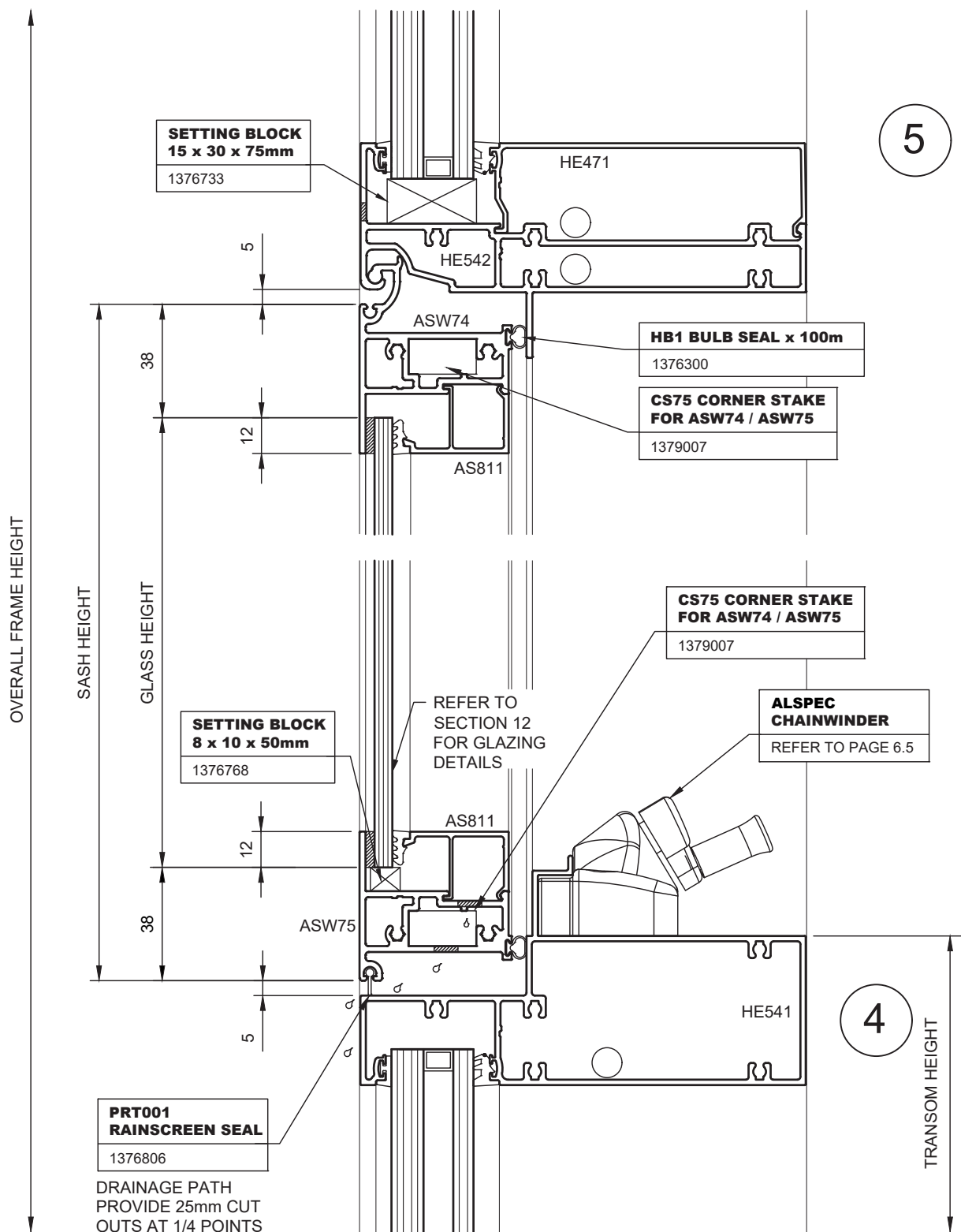
Typical DG 150 Head & Sill Details Top Hung Awning Hunter Evo

NOTE:
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2. WELD ALL BULB SEAL MITRE JOINT



Typical DG 150 Transom Detail Top Hung Awning Hunter Evo

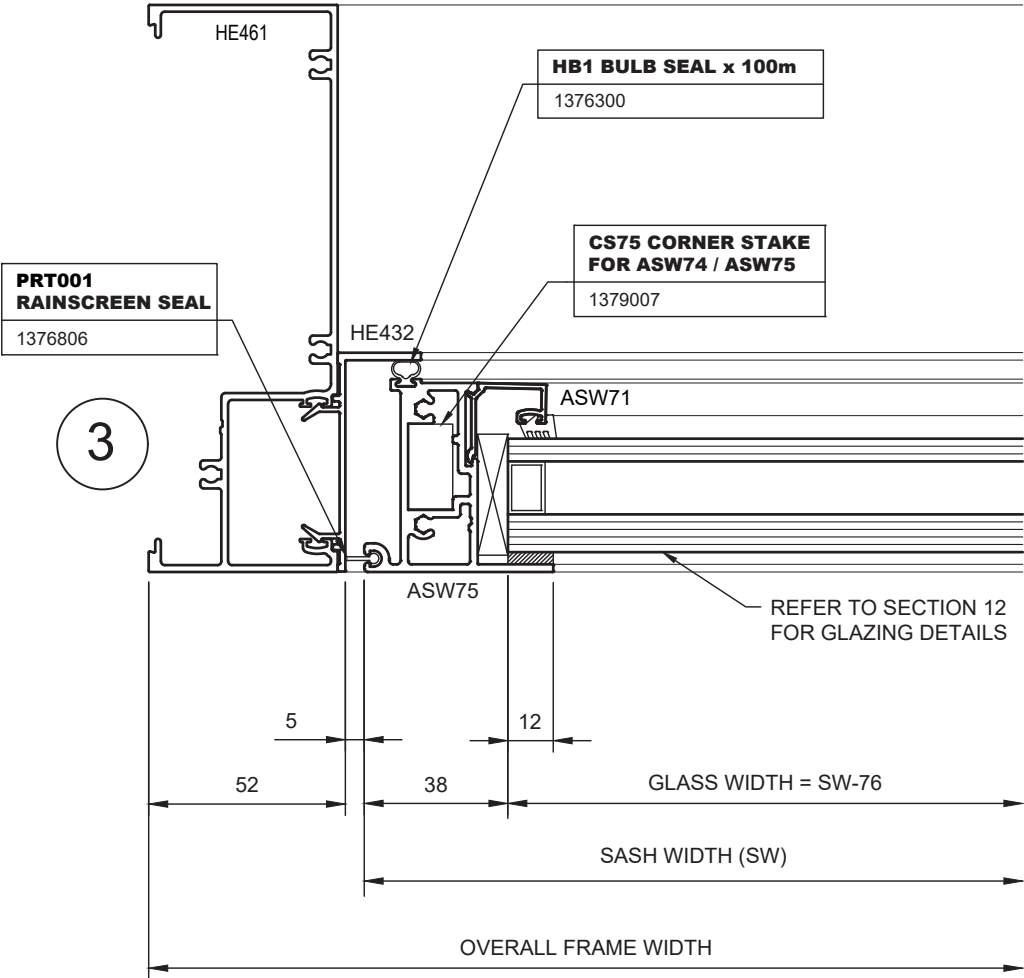
NOTE:
1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
2. WELD ALL BULB SEAL MITRE JOINT



8. Typical Details

Typical DG 150 Jamb Detail Top Hung Awning Hunter Evo

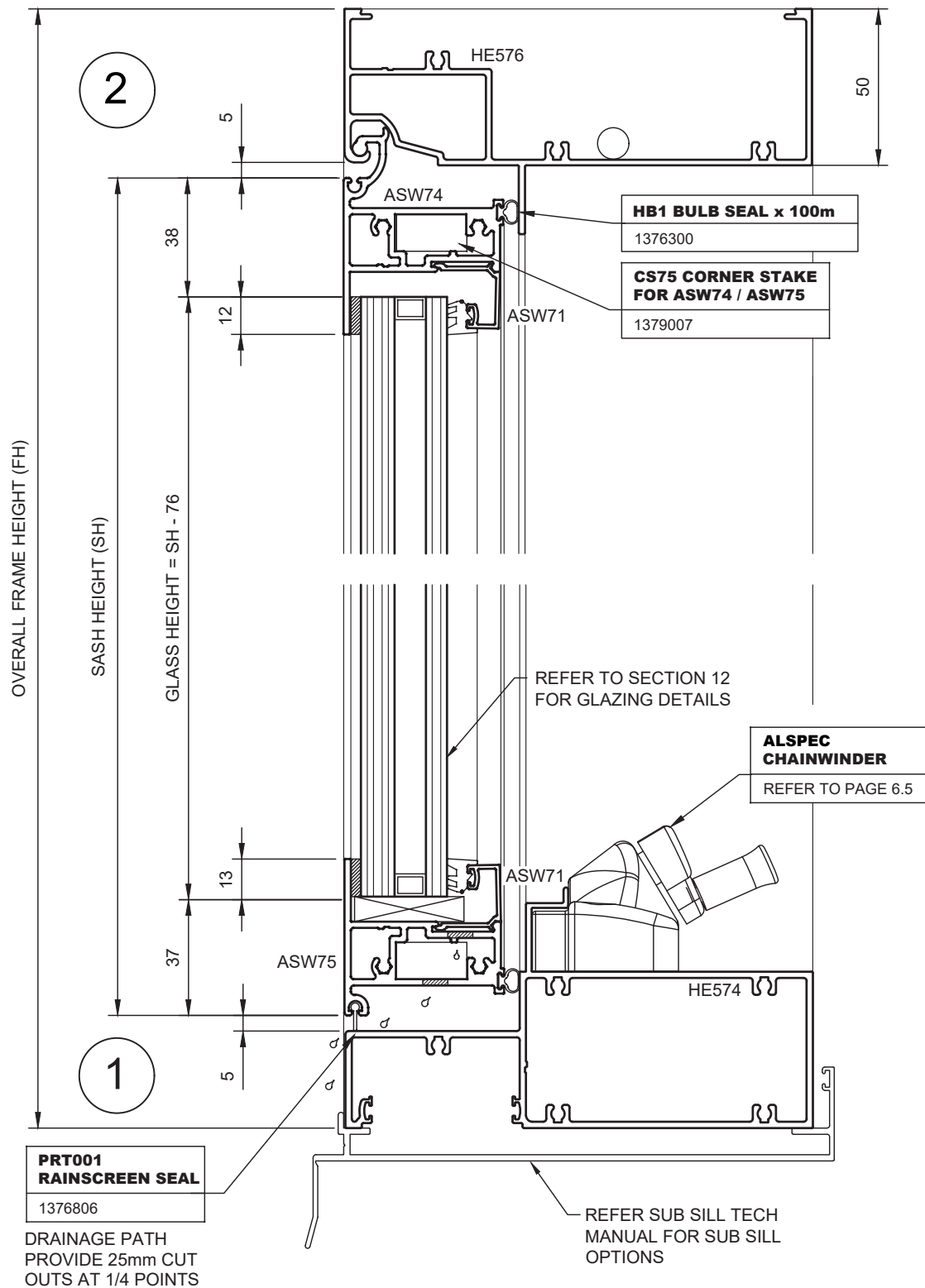
NOTE:
1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
2. WELD ALL BULB SEAL MITRE JOINT



Typical DG 150 Wide Pocket Transom Detail Top Hung Awning Hunter Evo

NOTE:

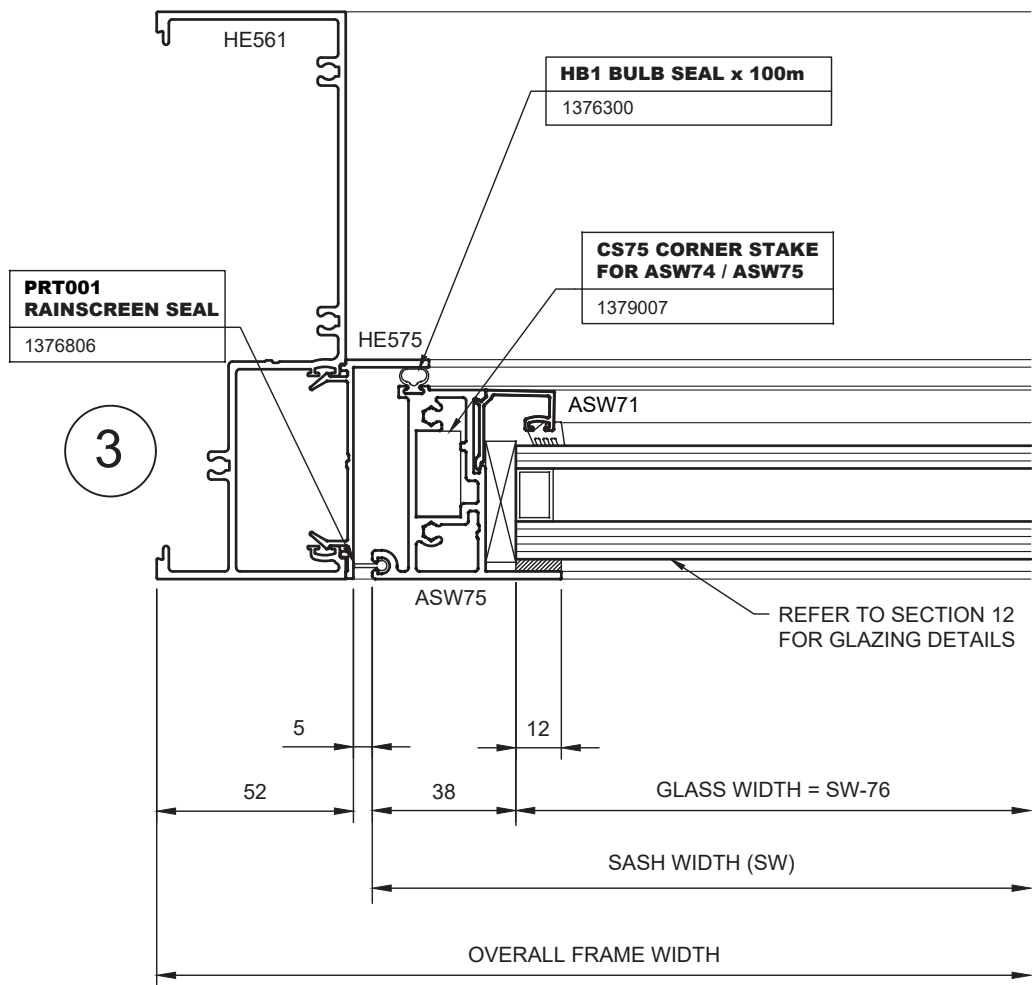
1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
2. WELD ALL BULB SEAL MITRE JOINT



8. Typical Details

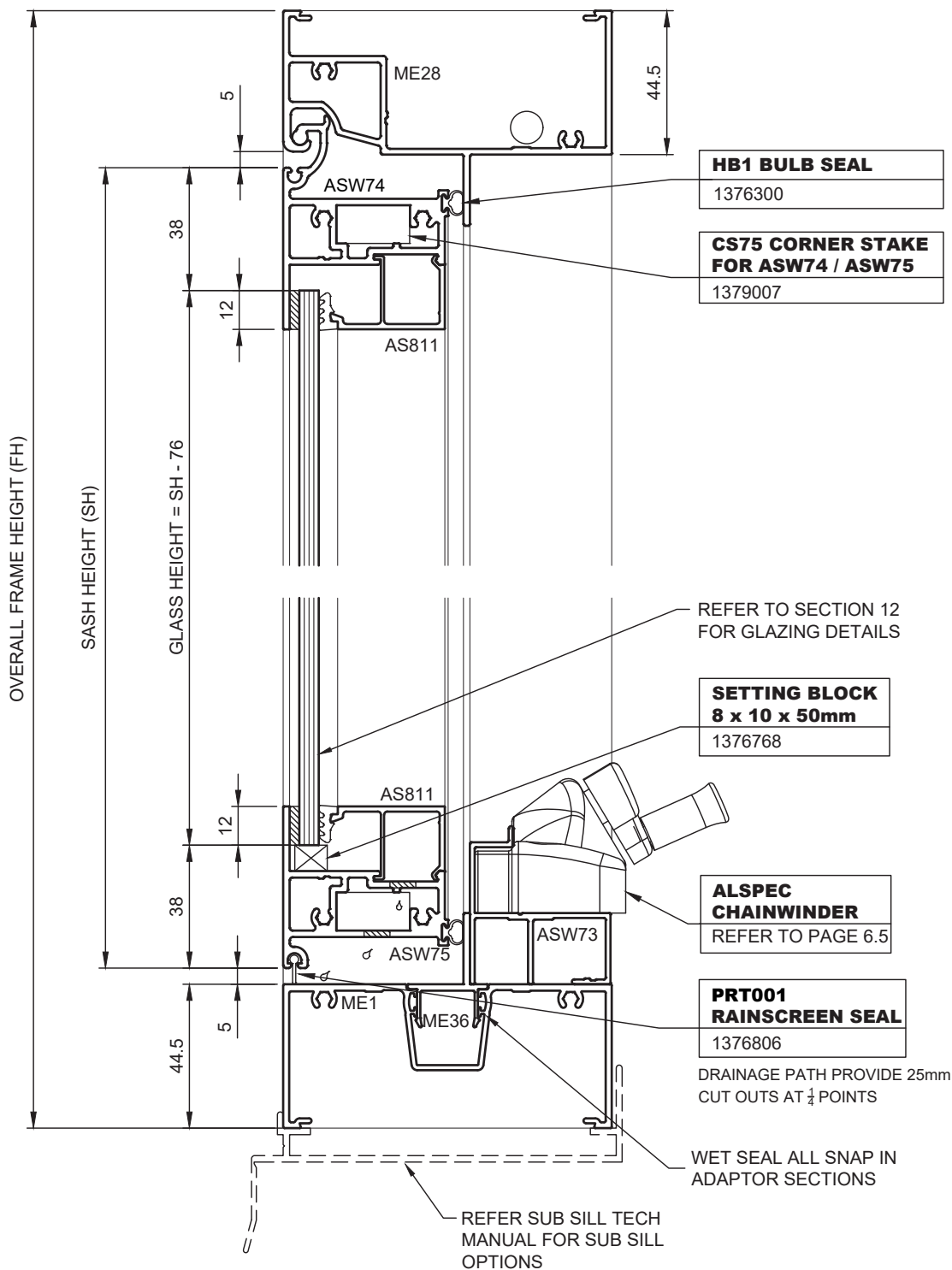
Typical DG 150 Wide Pocket Jamb Detail Top Hung Awning Hunter Evo

NOTE:
1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
2. WELD ALL BULB SEAL MITRE JOINT



Typical SG Head & Sill Details Top Hung Awning McArthur Evo

NOTE:
1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
2. WELD ALL BULB SEAL MITRE JOINT

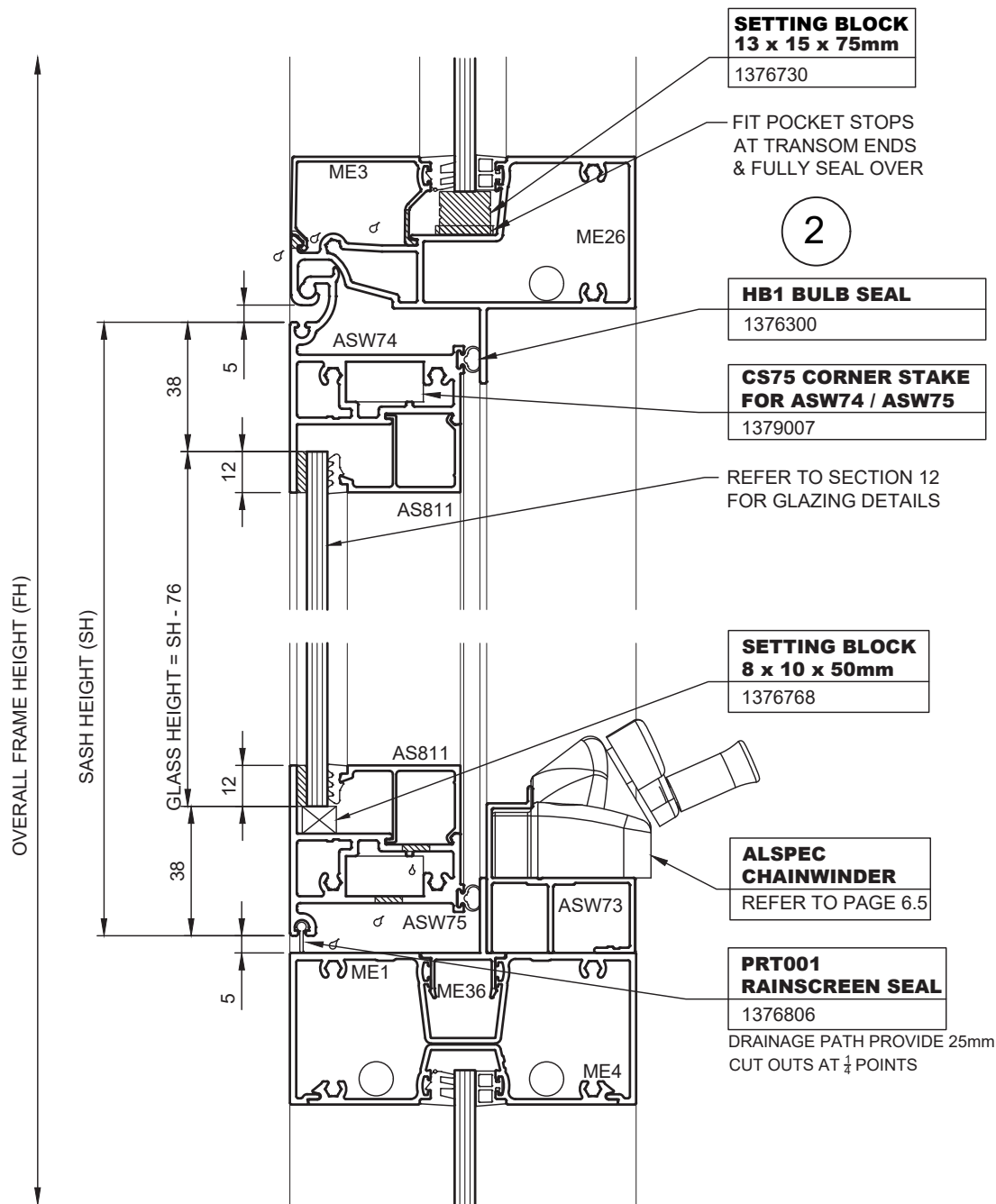


8. Typical Details

Typical SG Transom Details Top Hung Awning McArthur Evo

NOTE:

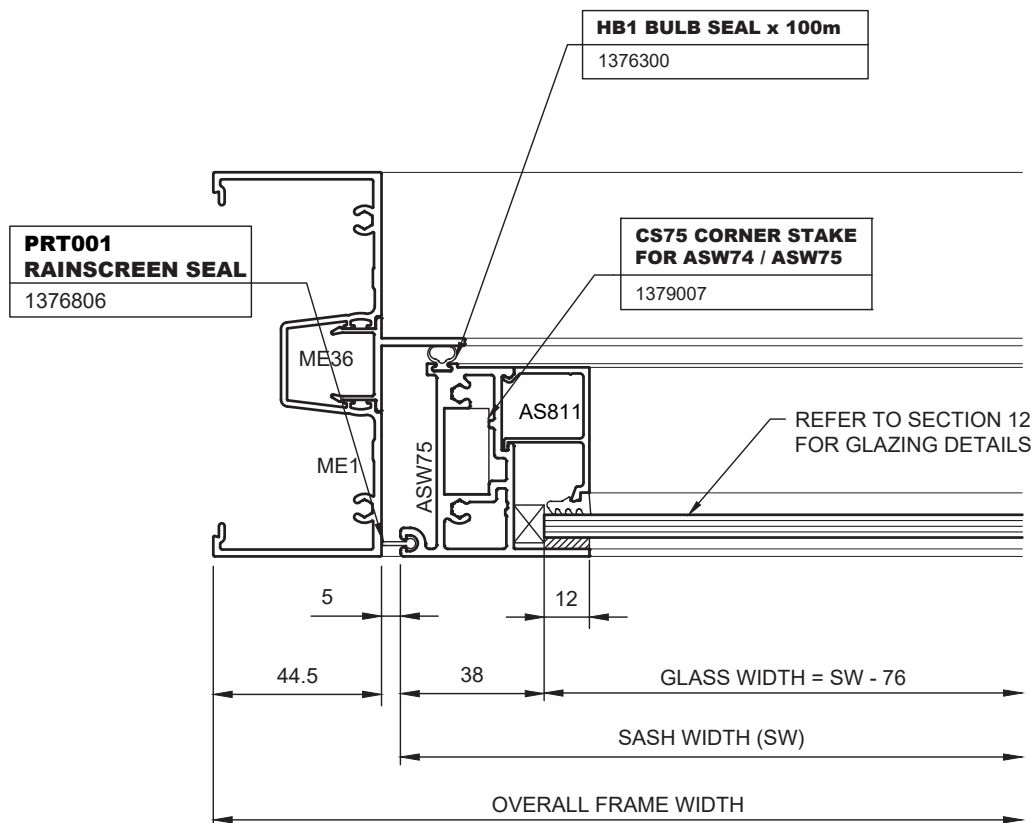
1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
2. WELD ALL BULB SEAL MITRE JOINT



Typical SG Jamb Details Top Hung Awning McArthur Evo

NOTE:

1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
2. WELD ALL BULB SEAL MITRE JOINT

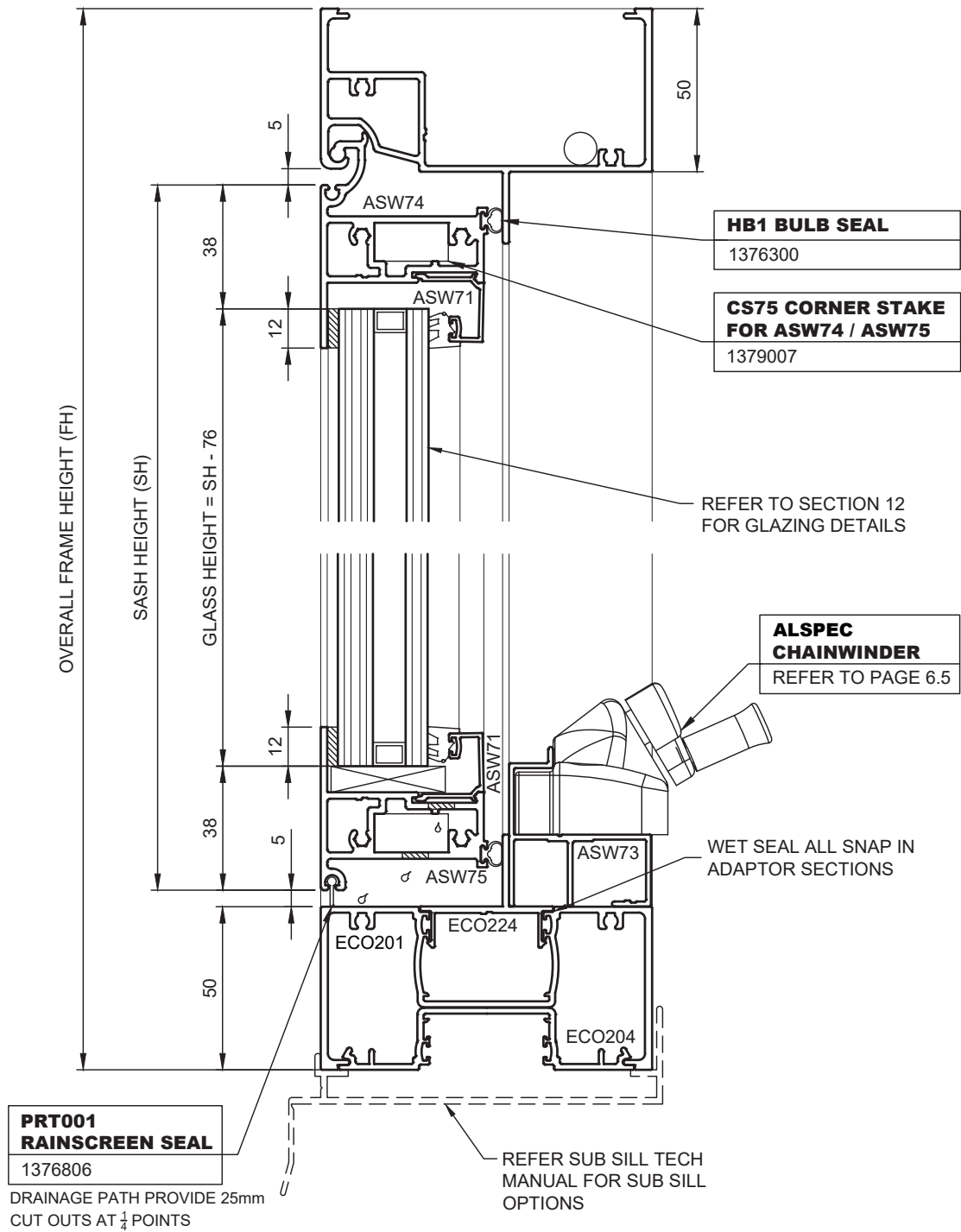


8. Typical Details

Typical DG 101.6mm Head & Sill Details Top Hung Awning ecoFRAMEplus

NOTE:

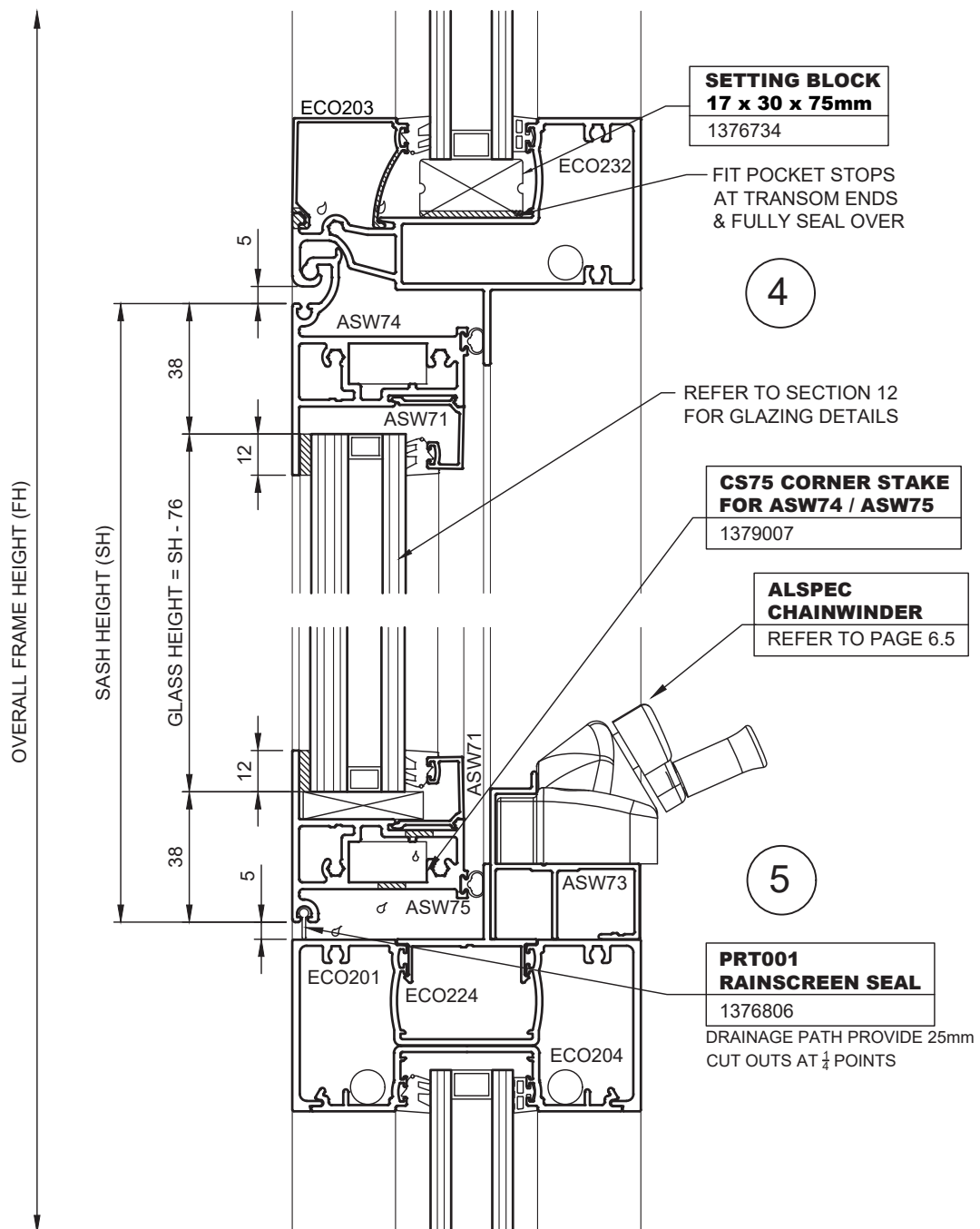
1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
2. WELD ALL BULB SEAL MITRE JOINT



Typical DG 101.6mm Transom Details Top Hung Awning ecoFRAMEplus

NOTE:

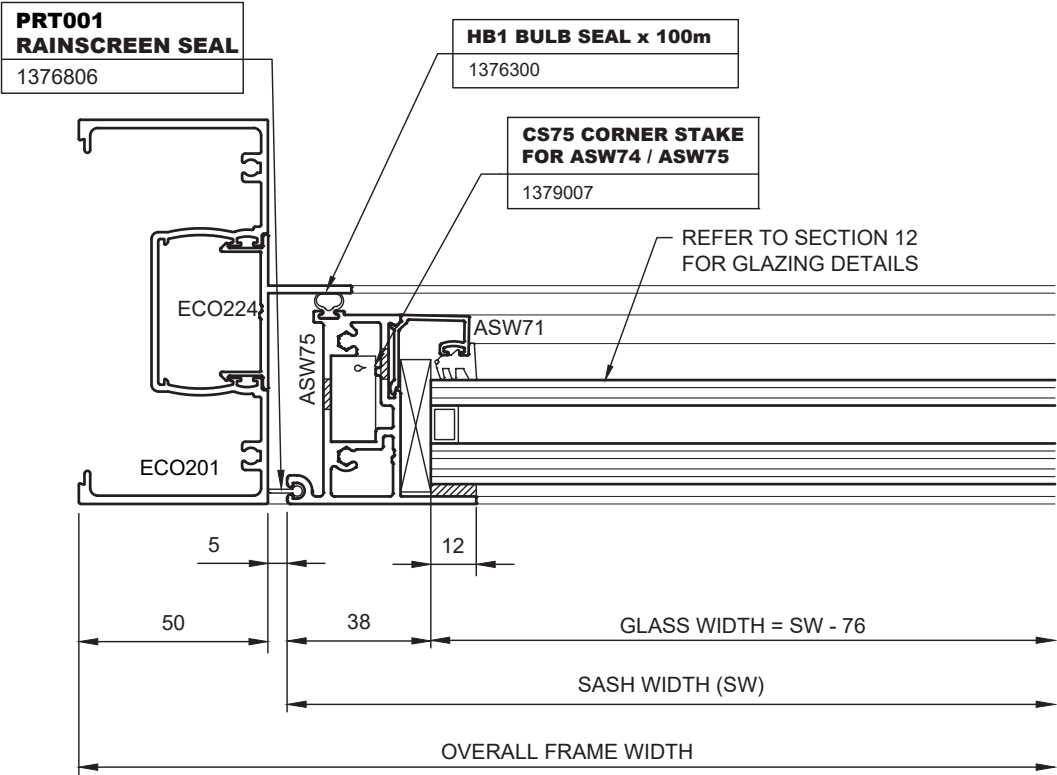
1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
2. WELD ALL BULB SEAL MITRE JOINT



8. Typical Details

Typical DG 101.6mm Jamb Details Top Hung Awning ecoFRAMEplus

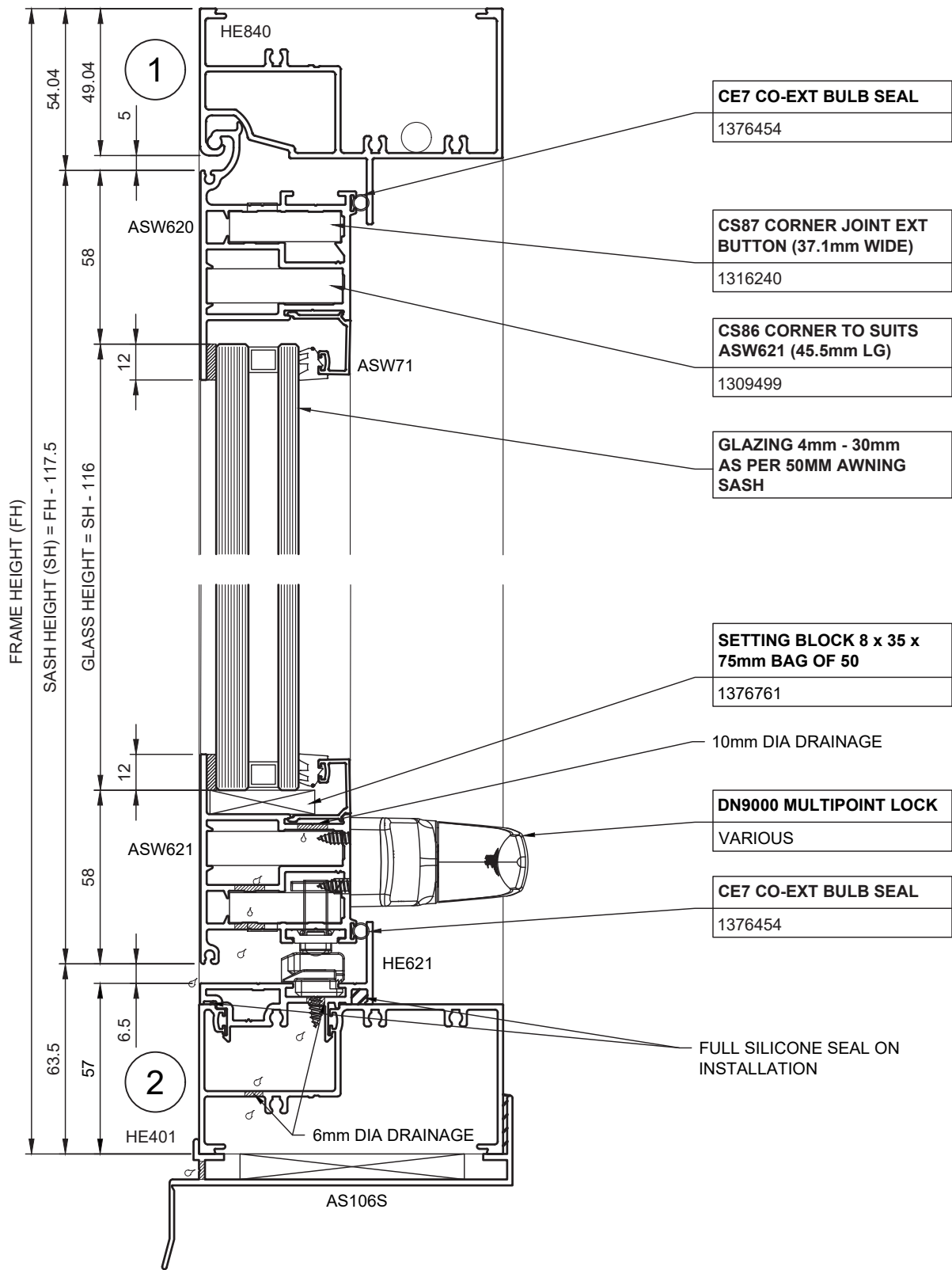
- NOTE:**
1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
2. WELD ALL BULB SEAL MITRE JOINT



100mm DG Hunter Evo Euro Multipoint Awning - Typ. Head & Sill Detail

NOTE:

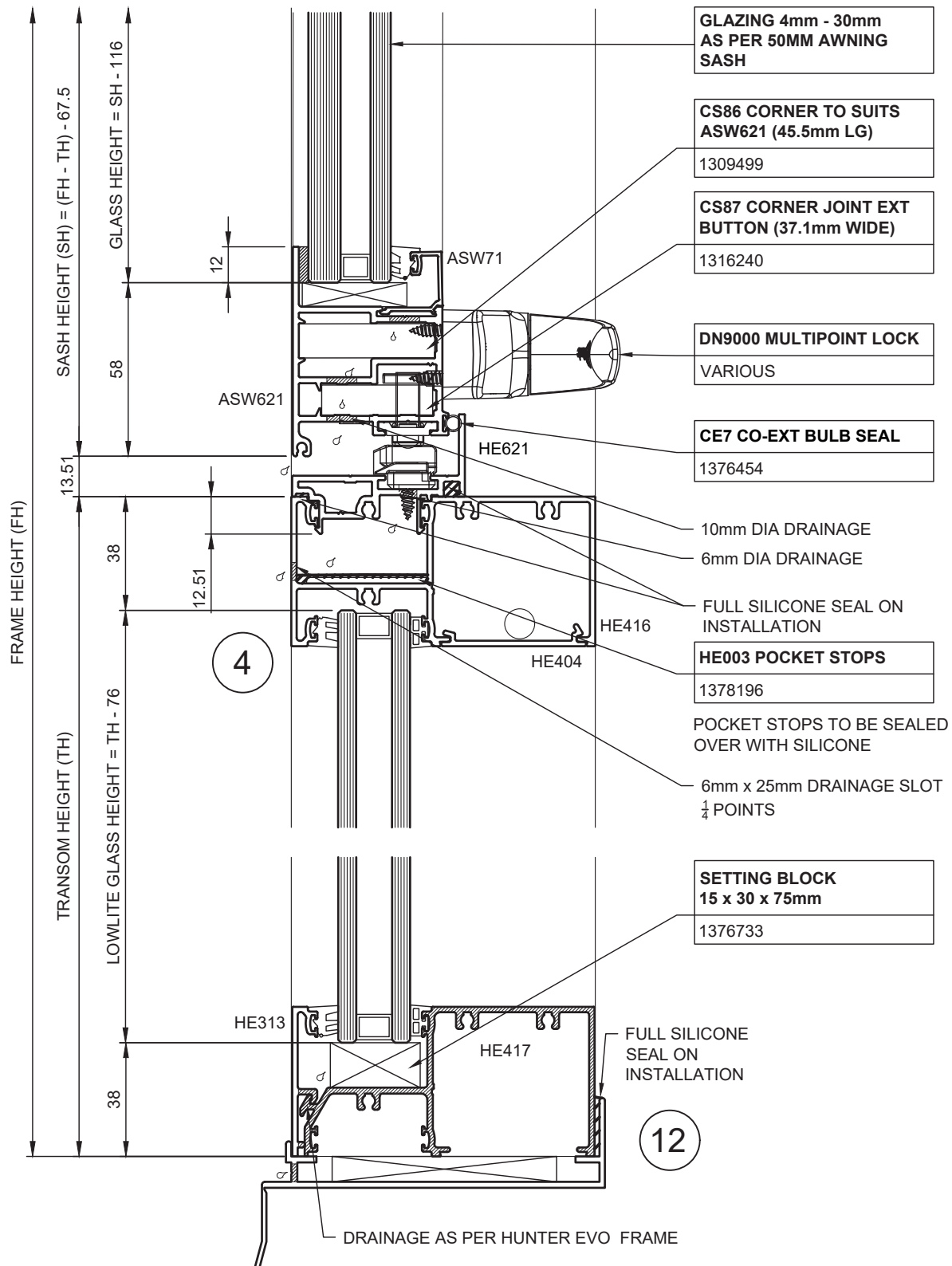
1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
2. WELD ALL BULB SEAL MITRE JOINT



100mm DG Hunter Evo Euro Multipoint Awning - Typ. Awning over Fix Transom Detail

NOTE:

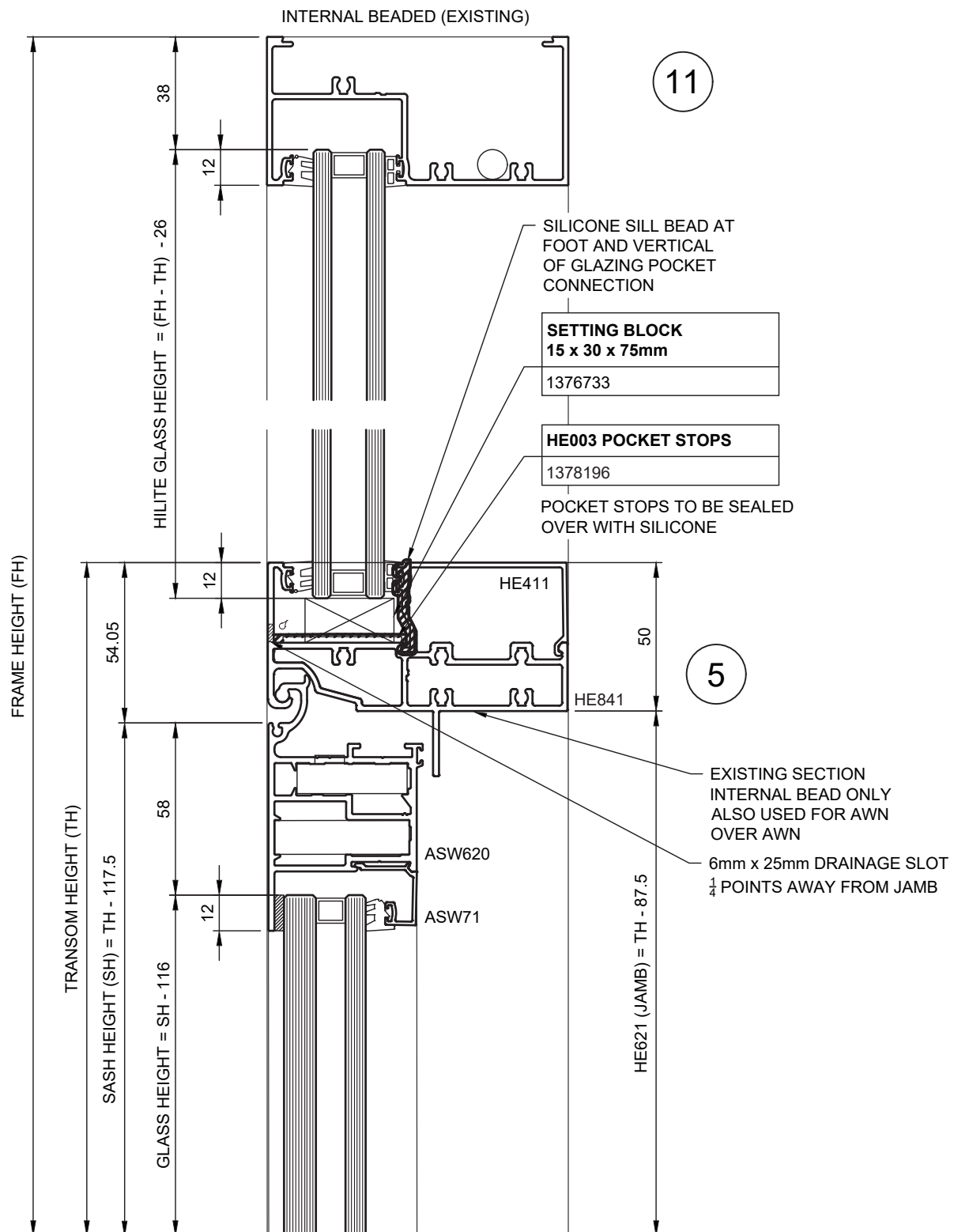
1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
2. WELD ALL BULB SEAL MITRE JOINT



100mm DG Hunter Evo Euro Multipoint Awning - Typ. Fix over Awning Transom Detail

NOTE:

1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
2. WELD ALL BULB SEAL MITRE JOINT

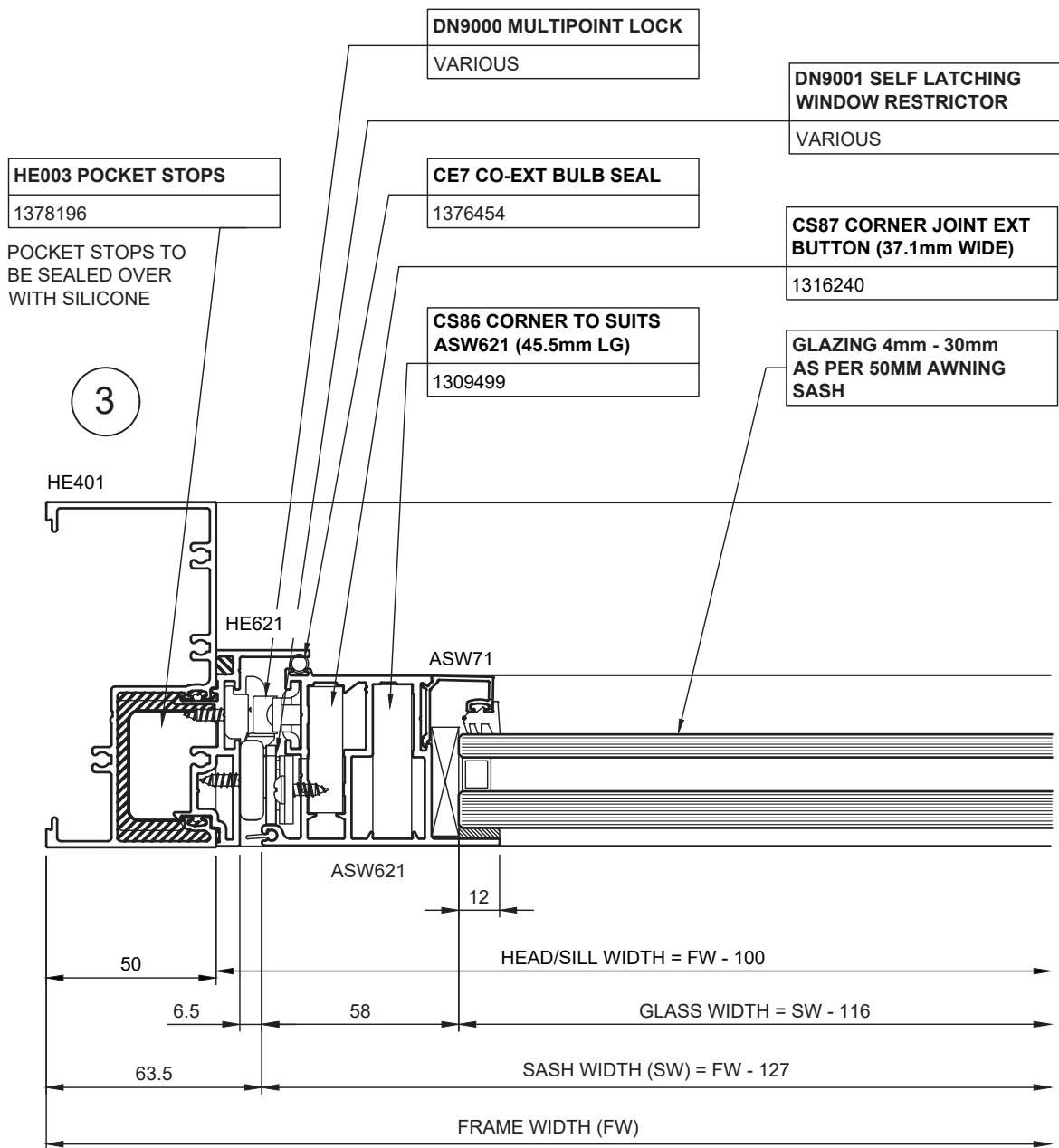


8. Typical Details

100mm DG Hunter Evo Euro Multipoint Awning - Typ. Awning Jamb Detail

NOTE:

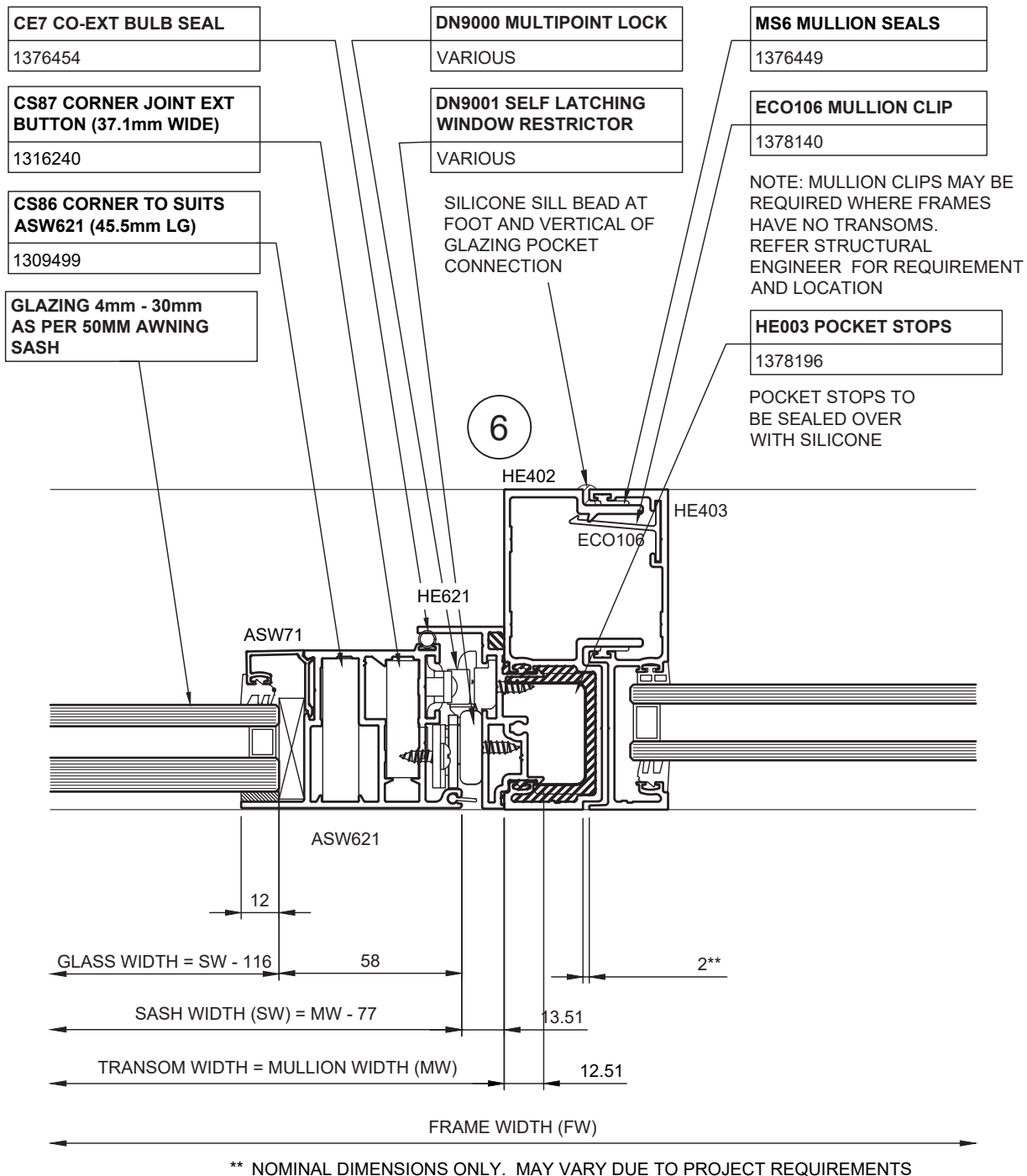
1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
2. WELD ALL BULB SEAL MITRE JOINT



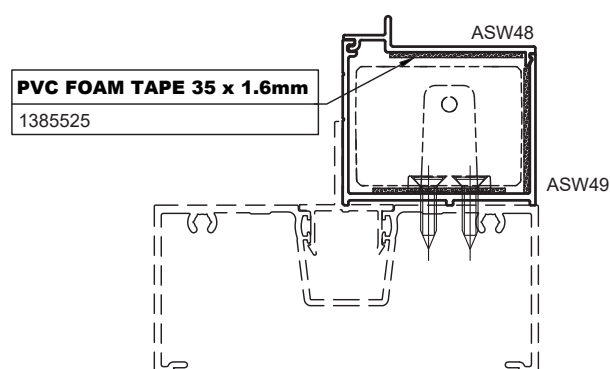
100mm DG Hunter Evo Euro Multipoint Awning - Typ. Awning Fix Sidelite Mullion Detail

NOTE:

1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
2. WELD ALL BULB SEAL MITRE JOINT



ASSA Elevation - Acoustic Sound Deadening Option

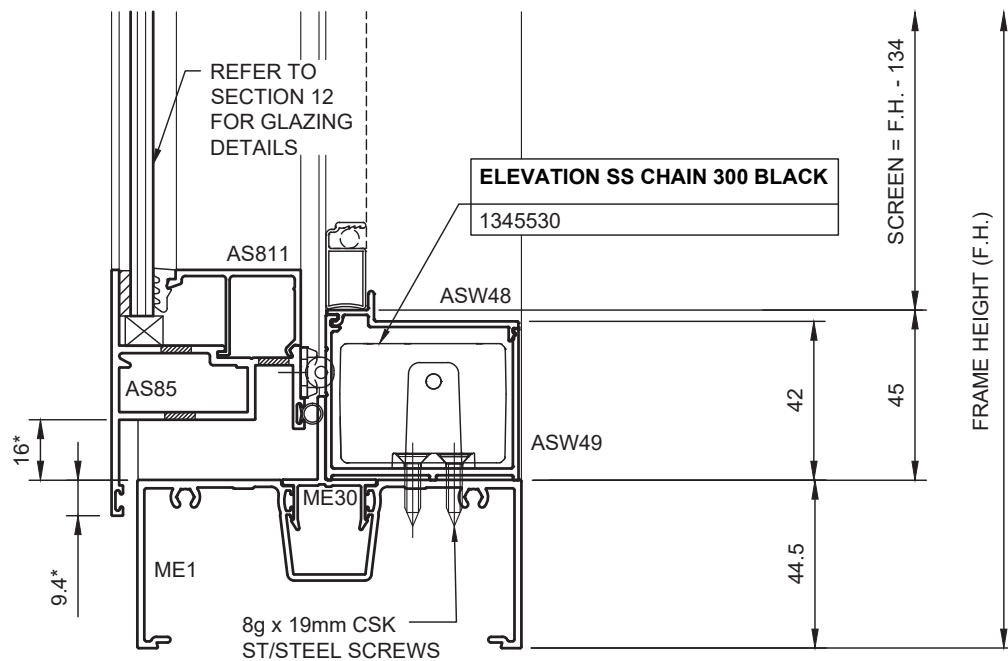


FOR IMPROVED NOISE REDUCTION, INSTALL A LAYER OF SOUND DEADENING TAPE TO THE 3 INTERNAL FACES AS SHOWN BELOW, PRIOR TO INSTALLING THE ELEVATION WINDER.

ASSA Elevation - 50mm Awning into McArthur Evo 101.6mm

NOTE:

1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
2. WELD ALL BULB SEAL MITRE JOINT

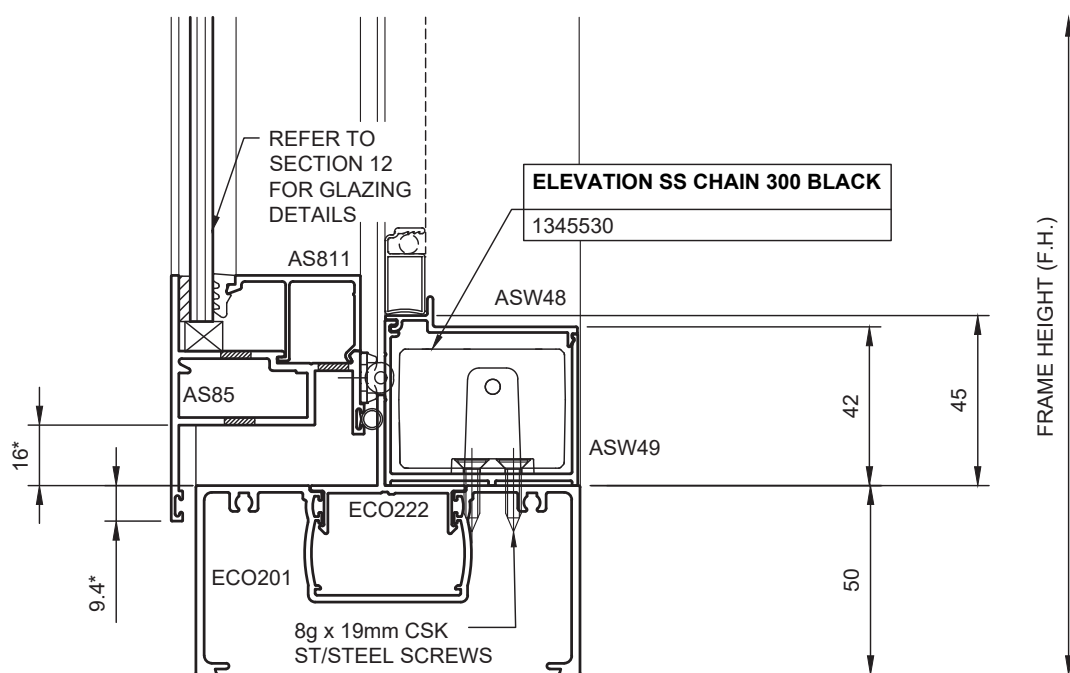


AS85 50mm AWNING SASH

ASSA Elevation - 50mm Awning into ecoFRAMEplus 101.6mm

NOTE:

1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
2. WELD ALL BULB SEAL MITRE JOINT
3. * VARIES DEPENDING ON STAYS SELECTED (REFER TO HARDWARE PAGES)

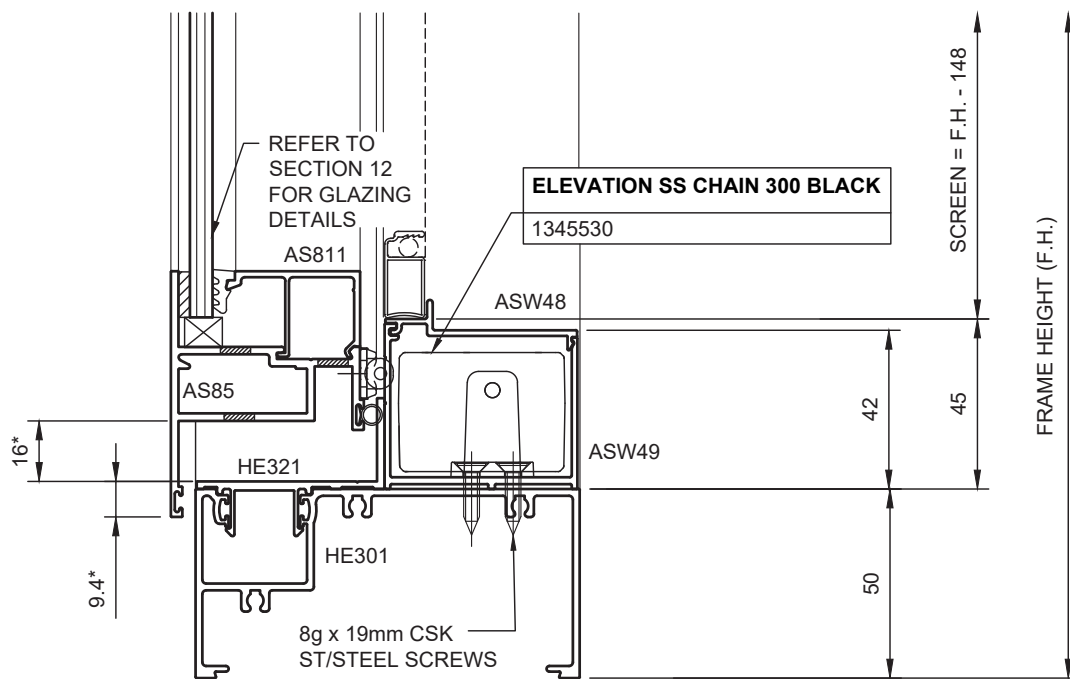


AS85 50mm AWNING SASH

ASSA Elevation - 50mm Awning into SG Hunter Evo 101.6mm

NOTE:

1. ALL METAL TO METAL JOINTS AND SASH ADAPTORS ARE TO BE SEALED WATER TIGHT WITH A COMPATIBLE SMALL JOINT SEALER OR APPROVED SEALANT.
2. WELD ALL BULB SEAL MITRE JOINT
3. * VARIES DEPENDING ON STAYS SELECTED (REFER TO HARDWARE PAGES)

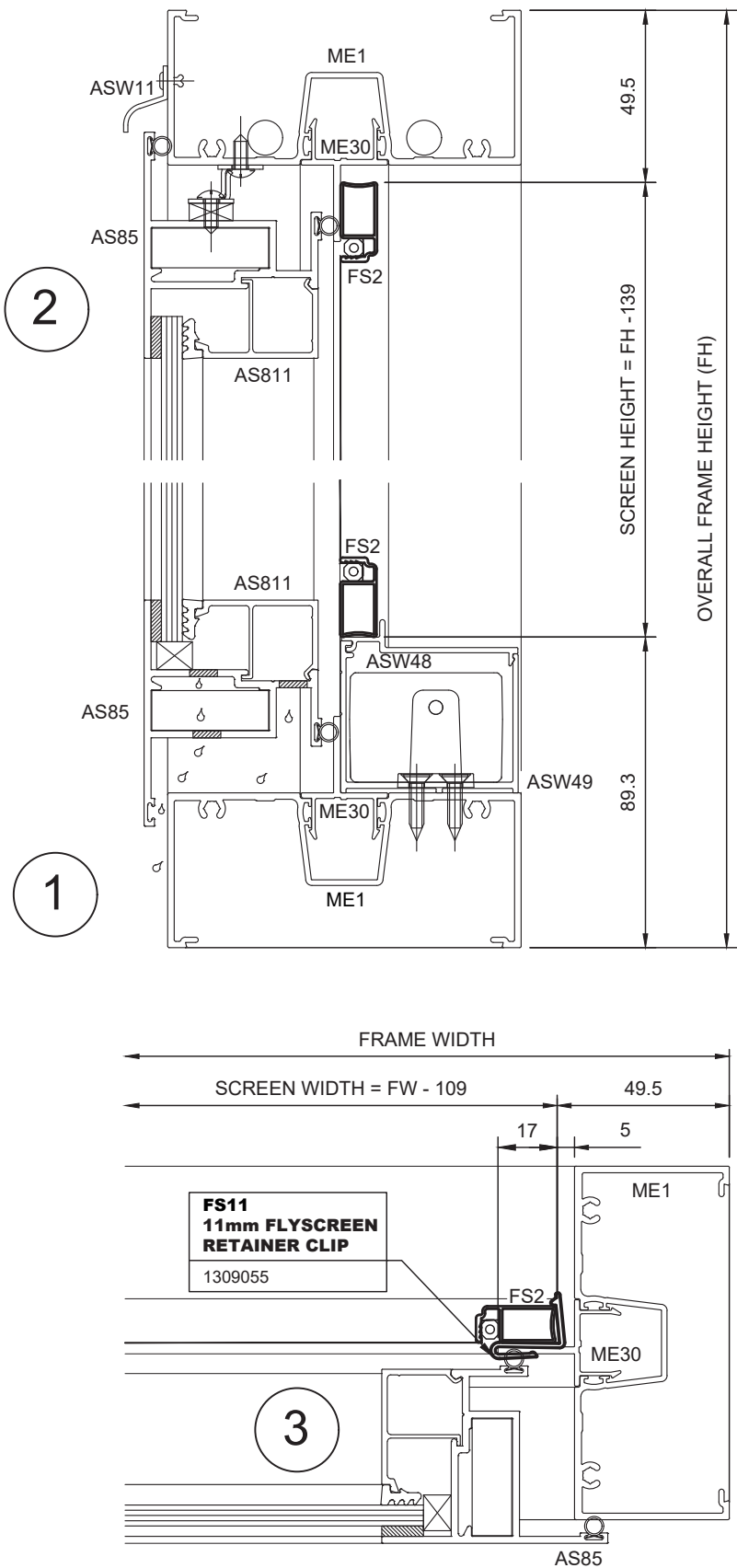


AS85 50mm AWNING SASH

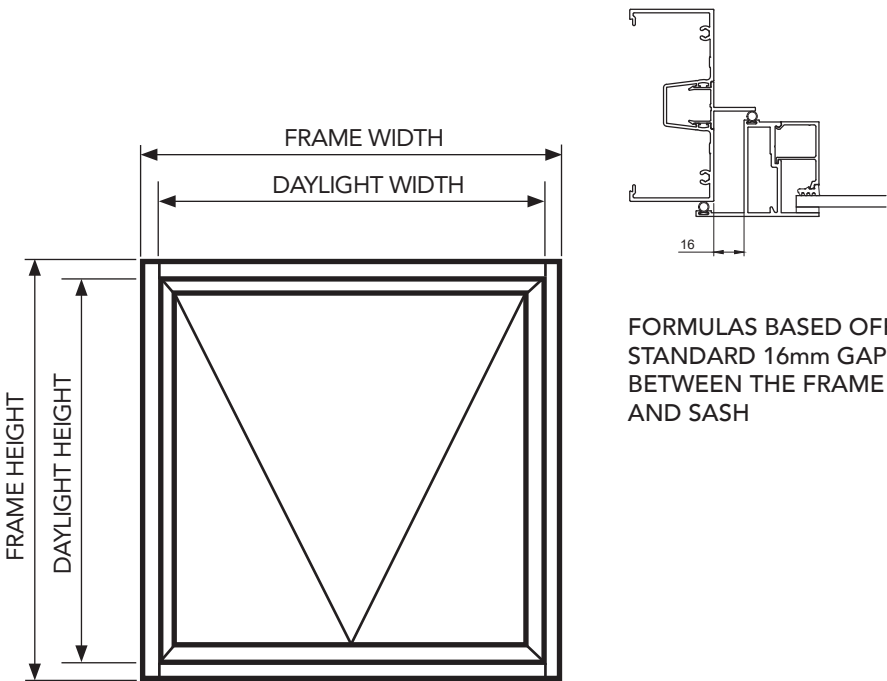
8. Typical Details

Flyscreen Detail - McArthur Evo 101.6mm

NOTE:
FORMULAS MAY VARY
DEPENDING ON FRAME
USED. REFER TO V6 ITEM
FABRICATION REPORT
FOR DETAILS.



AS85 Single Glazed Awning - Typical AS85 Sash in Center Pocket Frame - 16mm Cavity



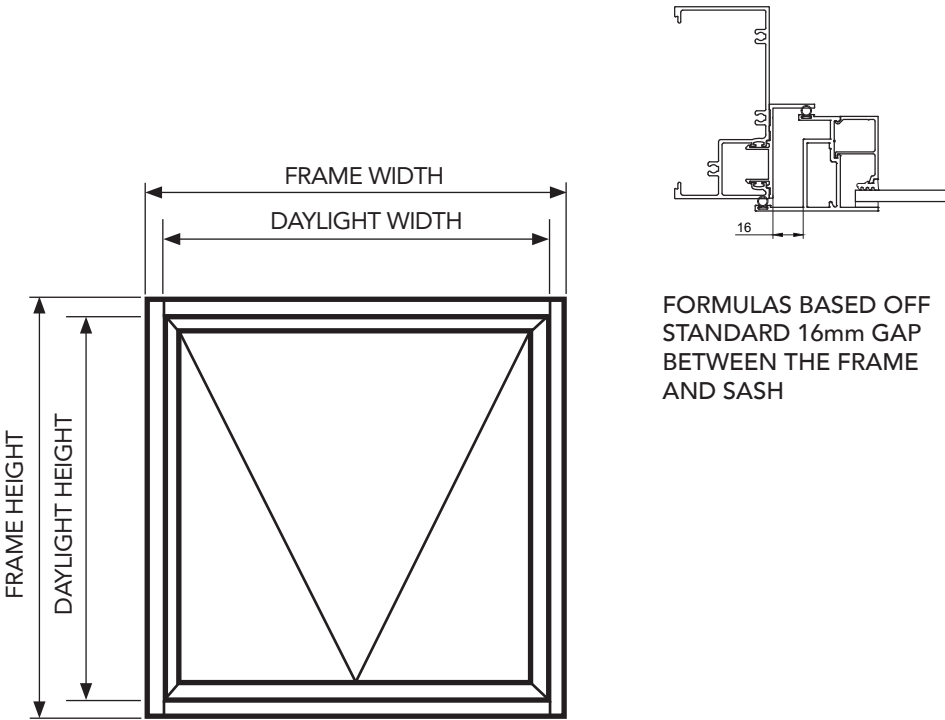
FORMULAS BASED OFF
STANDARD 16mm GAP
BETWEEN THE FRAME
AND SASH

* Mitre cut

	PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
*		ME30, HE321, AS585	Awning Adaptor	Daylight Width	2
*		AS85	Awning Sash	Daylight Width + 18	2
		AS811	Sash Bead	Daylight Width - 112	2
		ASW43	Awning Winder	Daylight Width	1
		ASW11	Drip Mould	Daylight Width	1
*		AS85	Awning Sash	Daylight Height + 18	2
		AS811	Sash Bead	Daylight Height + 72	2
*		ME30, HE321, AS585	Awning Adaptor	Daylight Height	2
GLASS		HEIGHT		Sash Height - 106	1
		WIDTH		Sash Width - 106	

9. Cutting Formulas

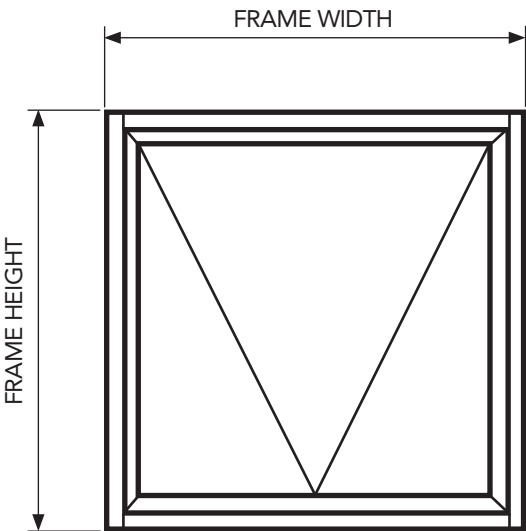
AS85 Single Glazed Awning - Typical AS85 to suit Hunter Evo Frames - 16mm Cavity



* Mitre cut

	PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
*		HE321, HE421	Awning Adaptor	Daylight Width	2
*		AS85	Awning Sash	Daylight Width + 14	2
		AS813	Sash Bead	Daylight Width + 76	2
		ASW43	Awning Winder	Daylight Width	1
		ASW11	Drip Mould	Daylight Width	1
*		AS85	Awning Sash	Daylight Height + 14	2
		AS813	Sash Bead	Daylight Height + 76	2
*		HE321, HE421	Awning Adaptor	Daylight Height	2
	GLASS	HEIGHT		Frame Height - 106	1
		WIDTH		Frame Width - 106	

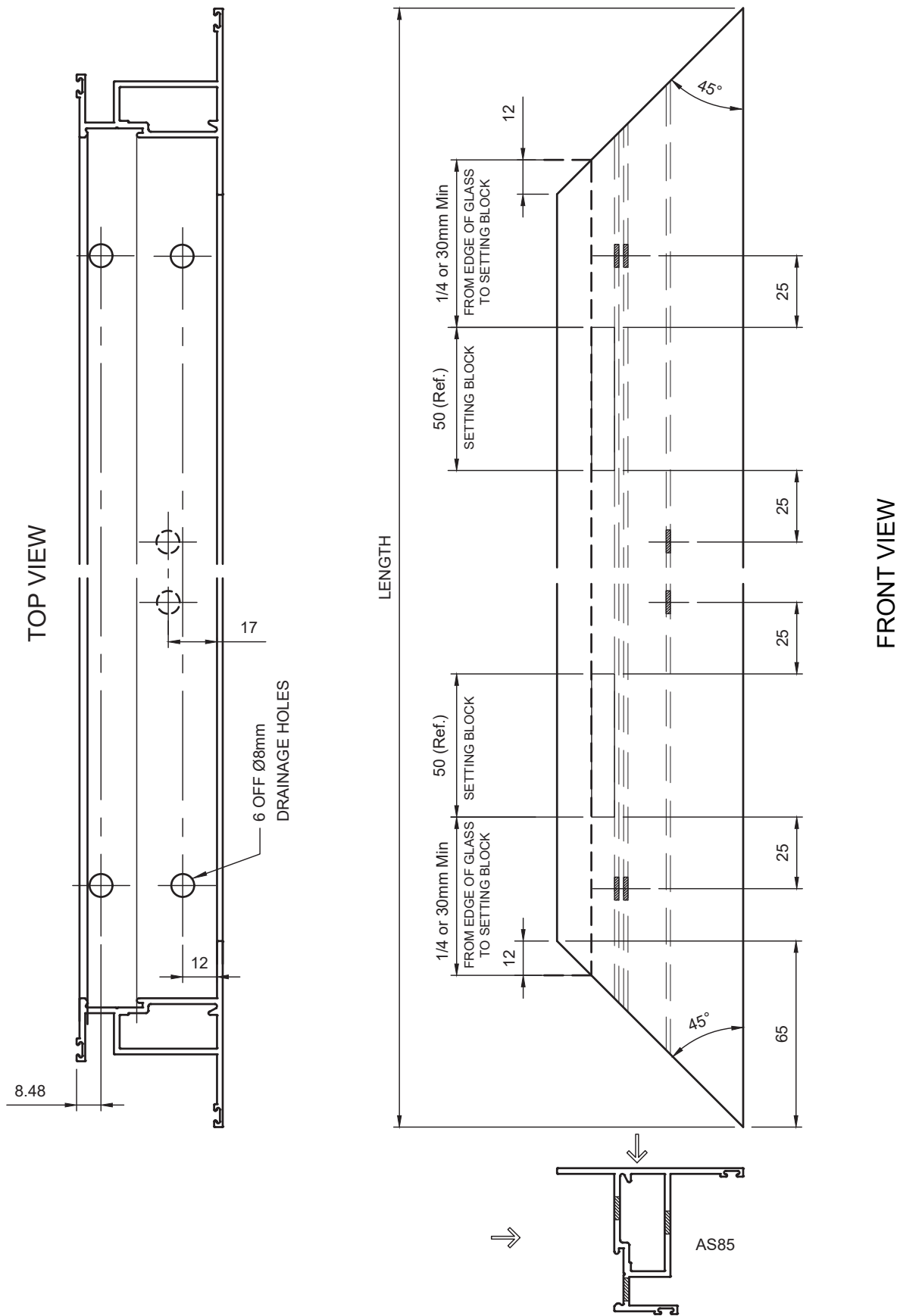
Double Glazed Top Hung Euro Multipoint Awning



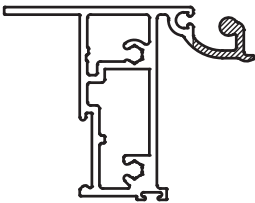
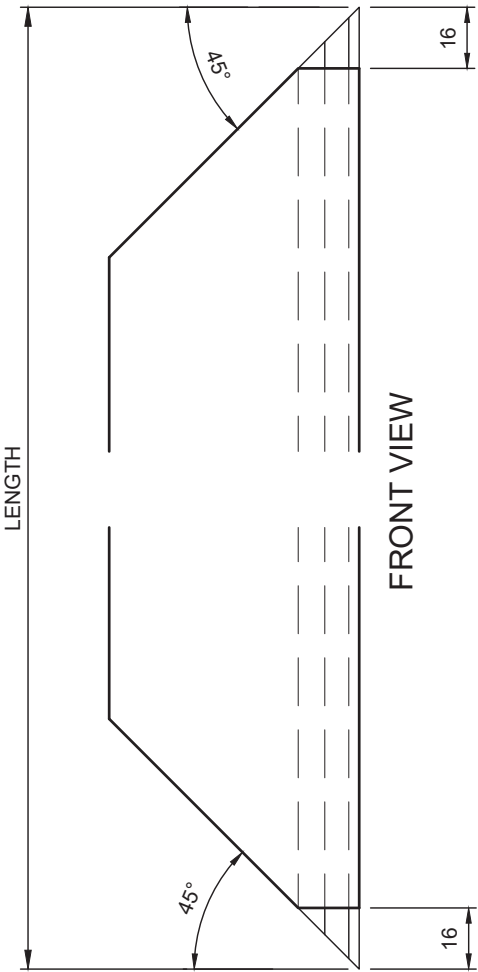
* Mitre cut

PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	HE840	Head	Frame Width - 100	1
	HE401	Sill	Frame Width - 100	1
	HE401	Jamb	Frame Height	2
	HE621	Awning Adaptor	Frame Height - 100	1
	HE621	Awning Adaptor	Frame Width - 114	2
	ASW620	Top Sash	Frame Width - 94.5	1
	ASW621	Sash	Frame Width - 127	1
	ASW621	Sash	Frame Height - 117.5	2
	ASW71	Sash Bead	Frame Height - 254	2
	ASW71	Sash Bead	Frame Width - 227	2
GLASS	HEIGHT		Frame Height -	1
	WIDTH		Frame Width -	

Typical AS85 Bottom Rail Preparation

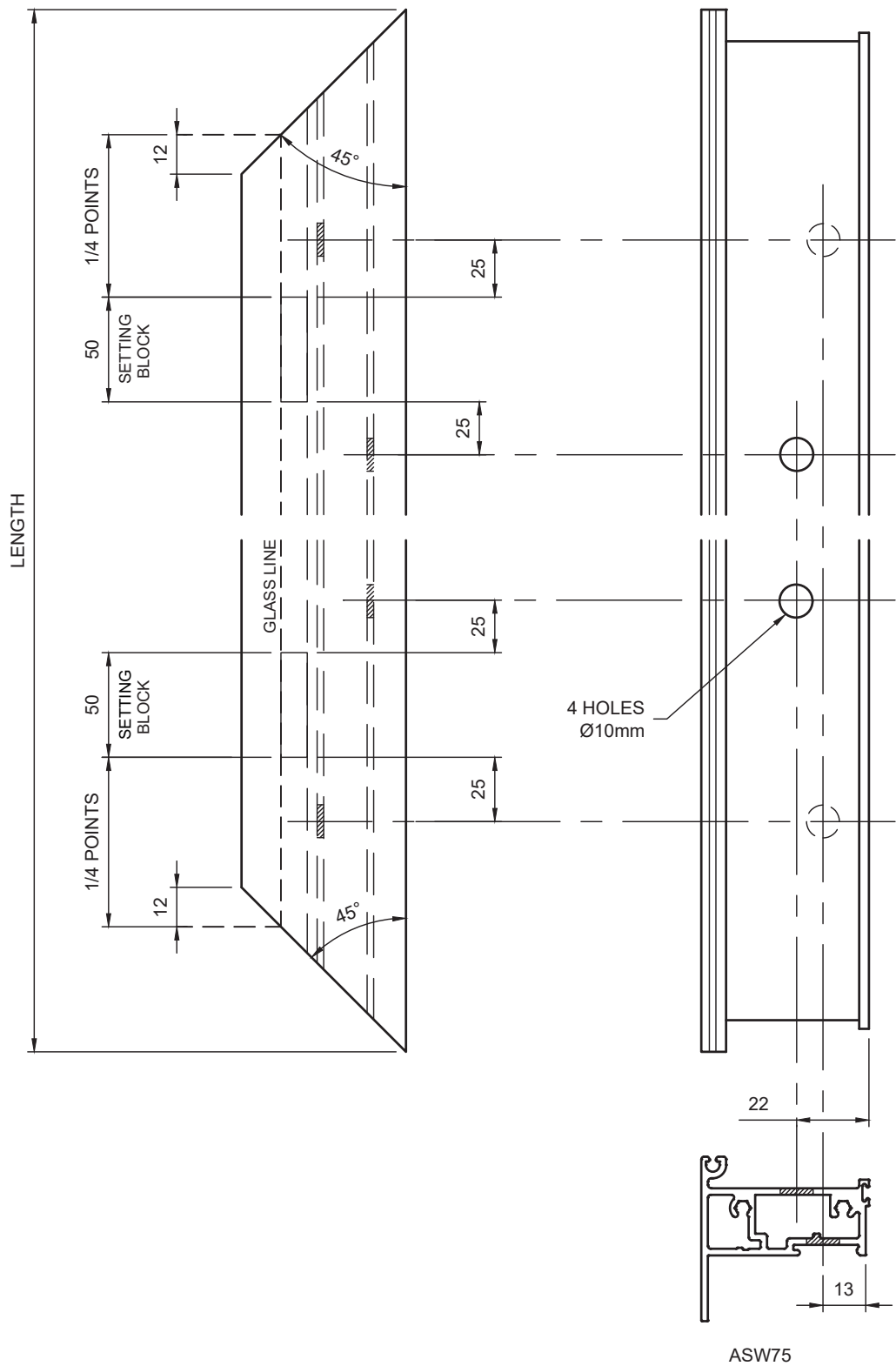


Typical Top Rail Preparation

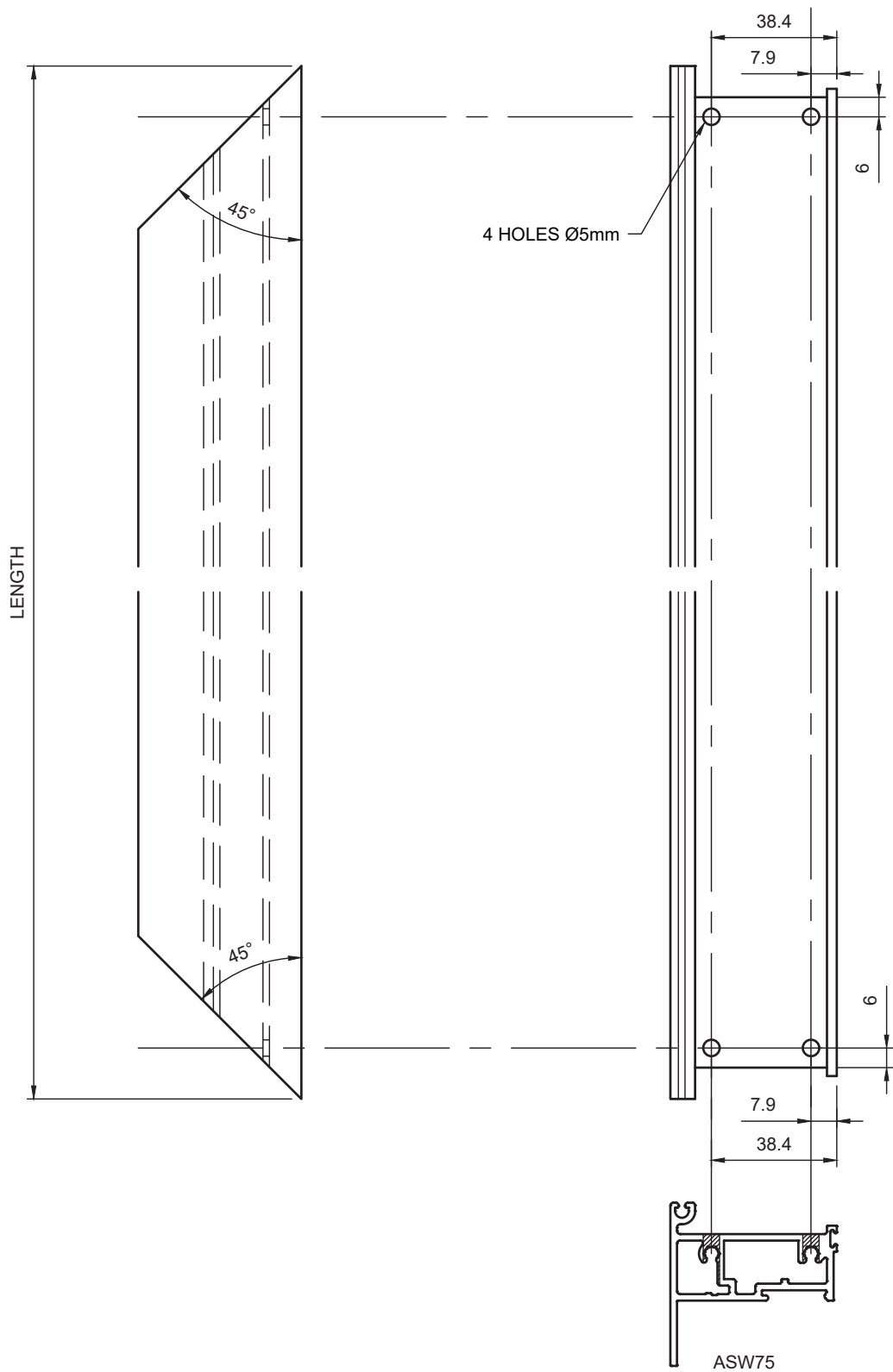


ASW74

Typical Sash Bottom Rail Preparation

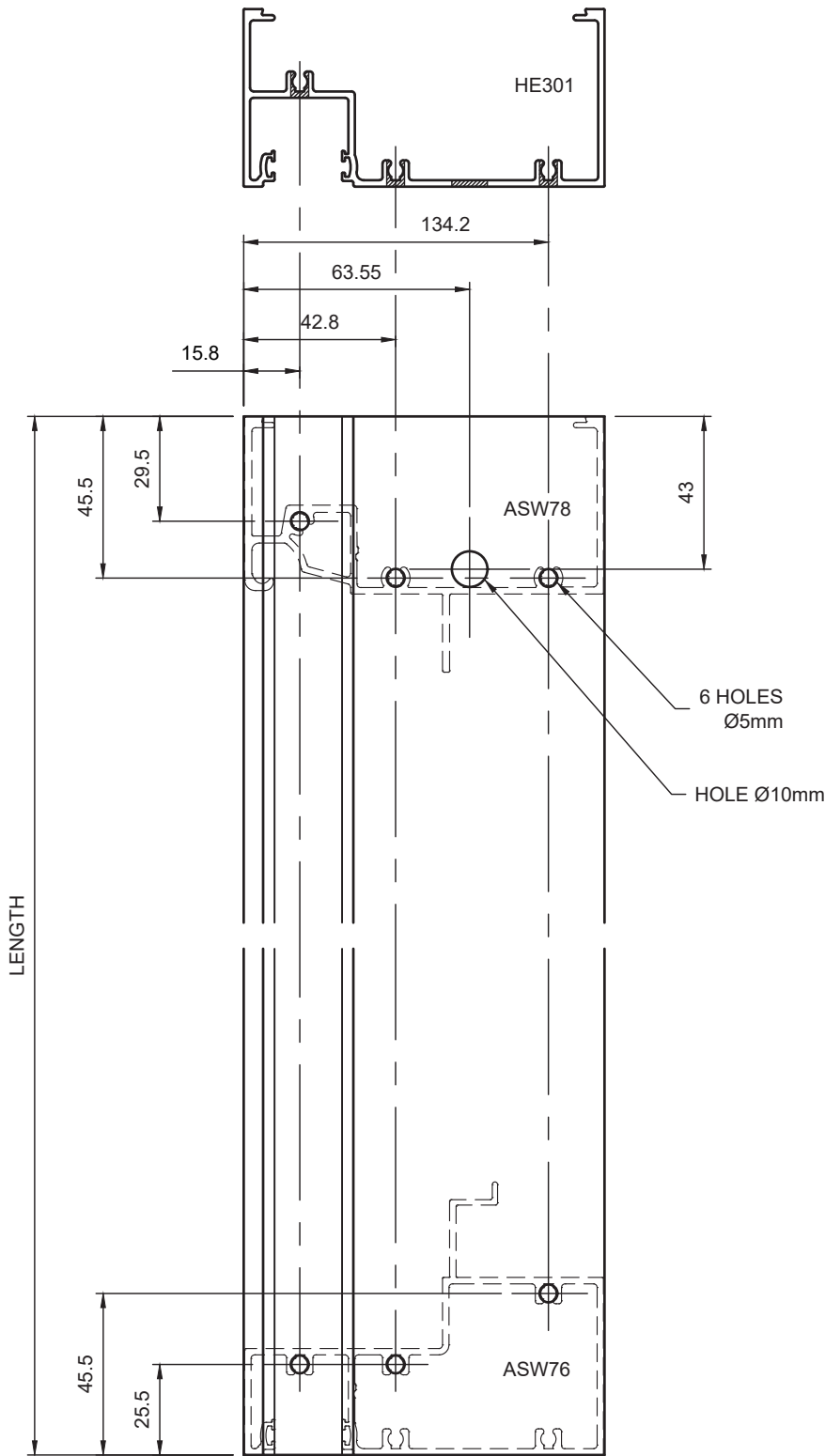


Typical Sash Vertical Preparation for Screw Fix Mitres



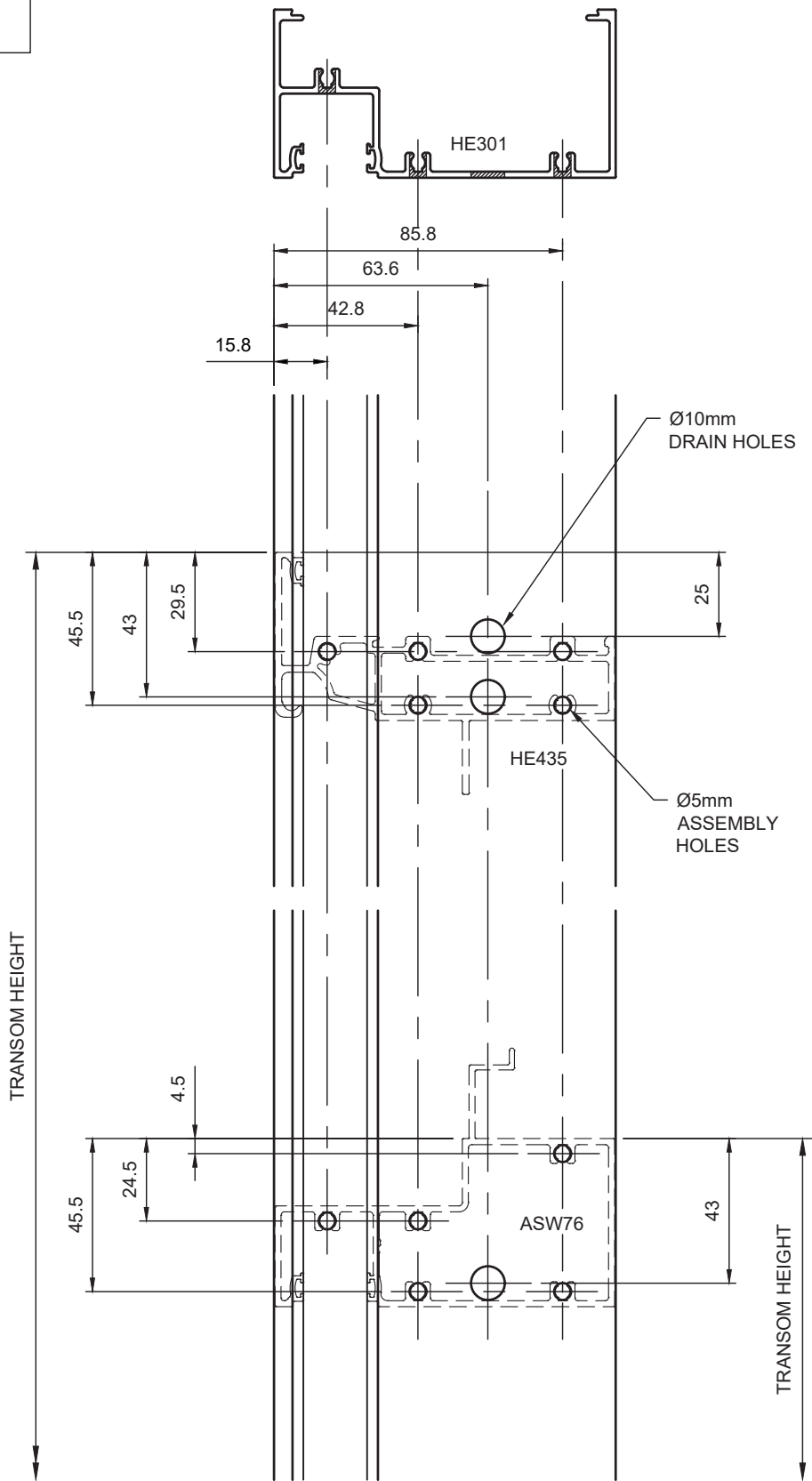
Hunter Evo 101.6mm SG Jamb Preparation for Head & Sill

L.H. DRAWN
R.H. OPPOSITE



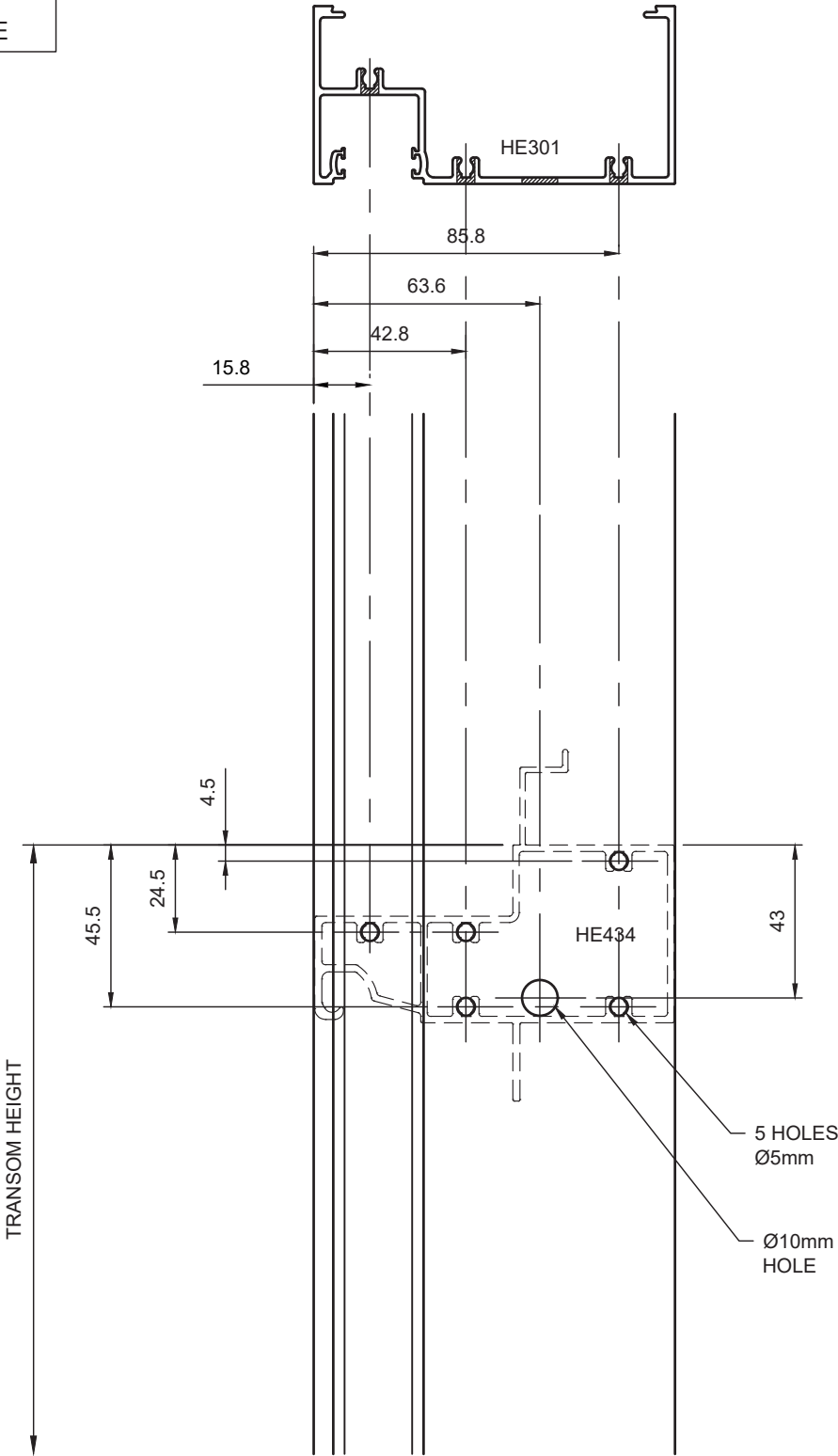
Hunter Evo 101.6mm SG Jamb Preparation for HE435 & ASW76 Transoms

L.H. DRAWN
R.H. OPPOSITE



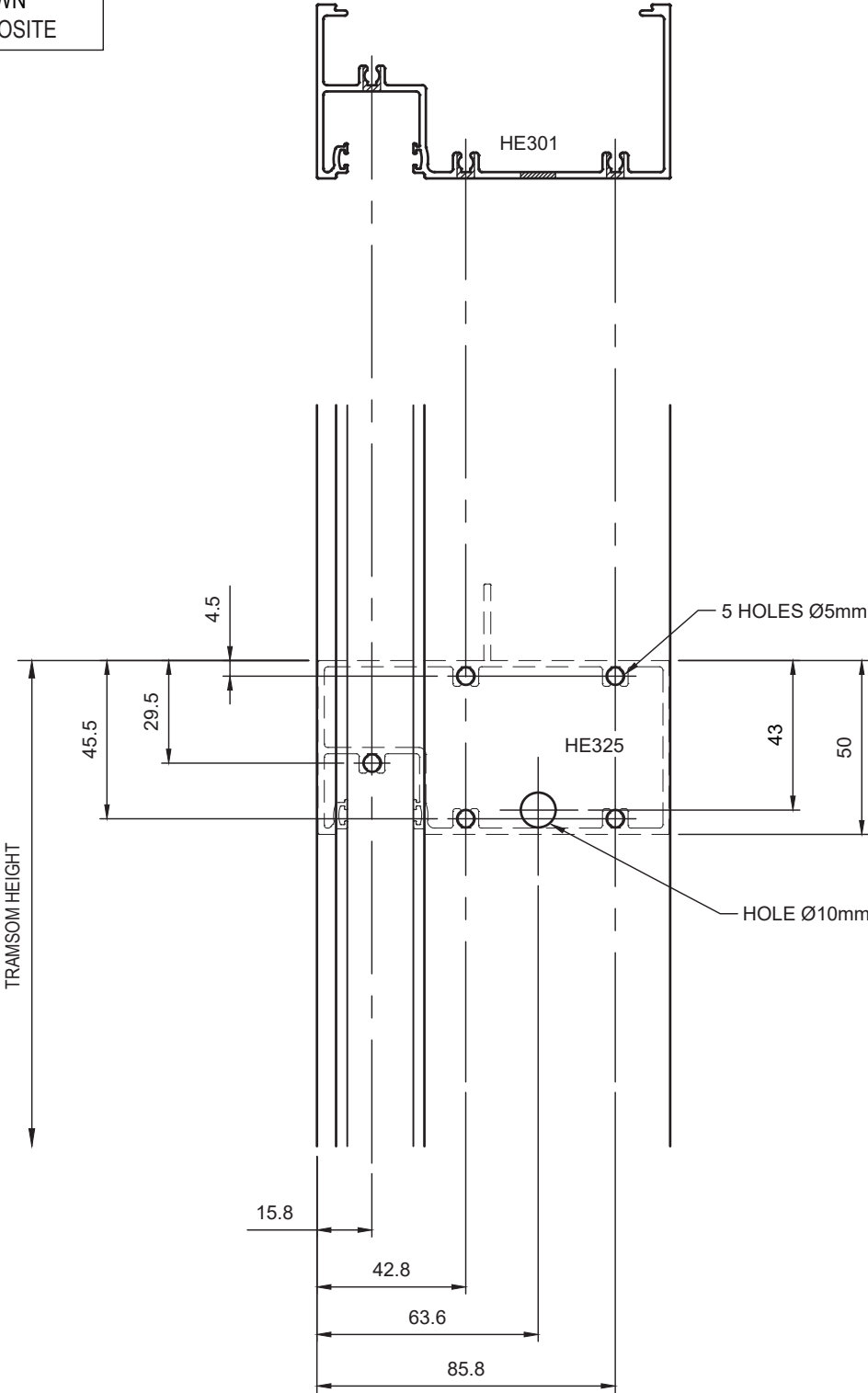
Hunter Evo 101.6mm SG Jamb Preparation for HE434 Transom

L.H. DRAWN
R.H. OPPOSITE



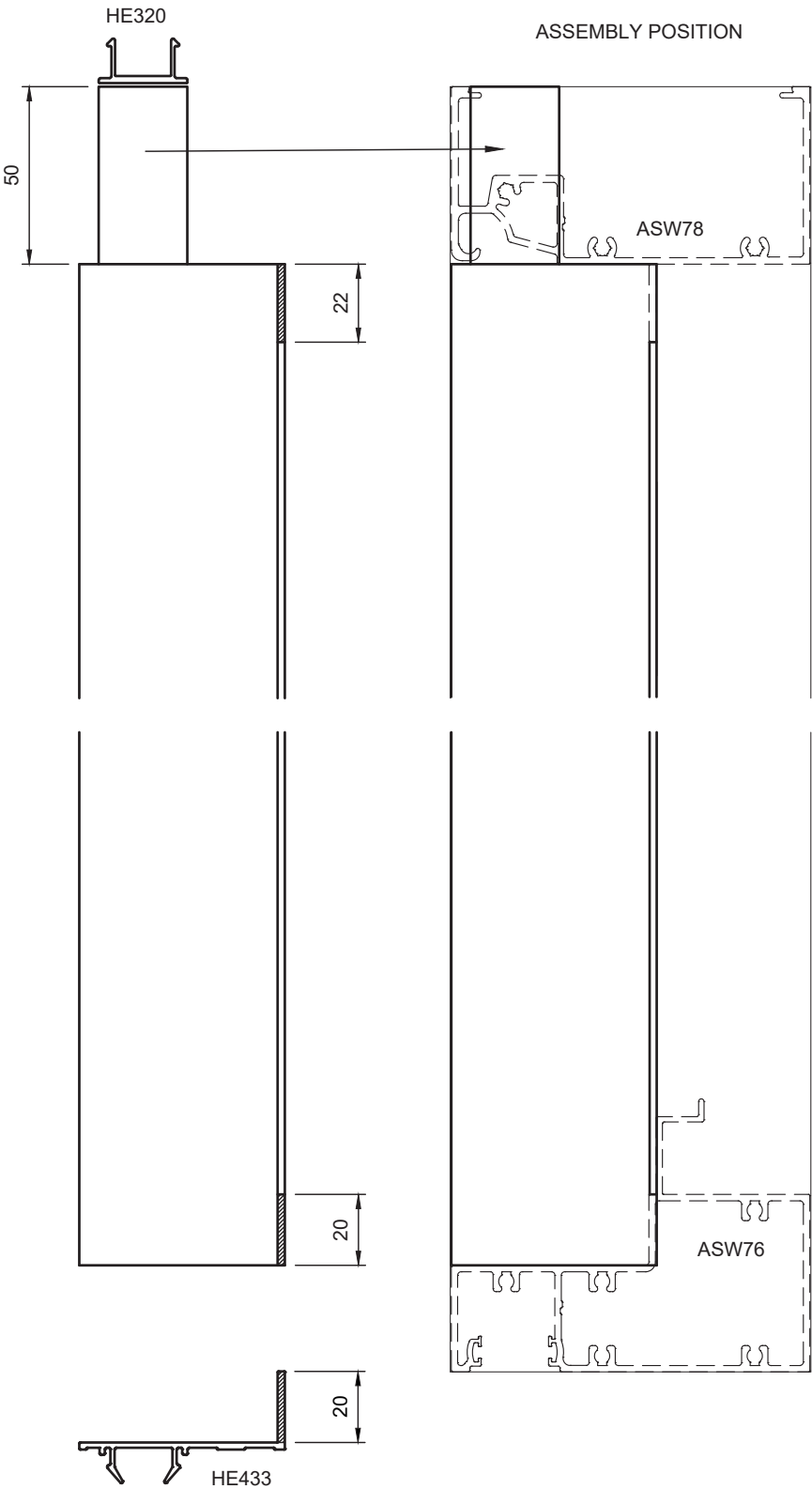
Hunter Evo 101.6mm SG Jamb Preparation for HE325 Transom

L.H. DRAWN
R.H. OPPOSITE



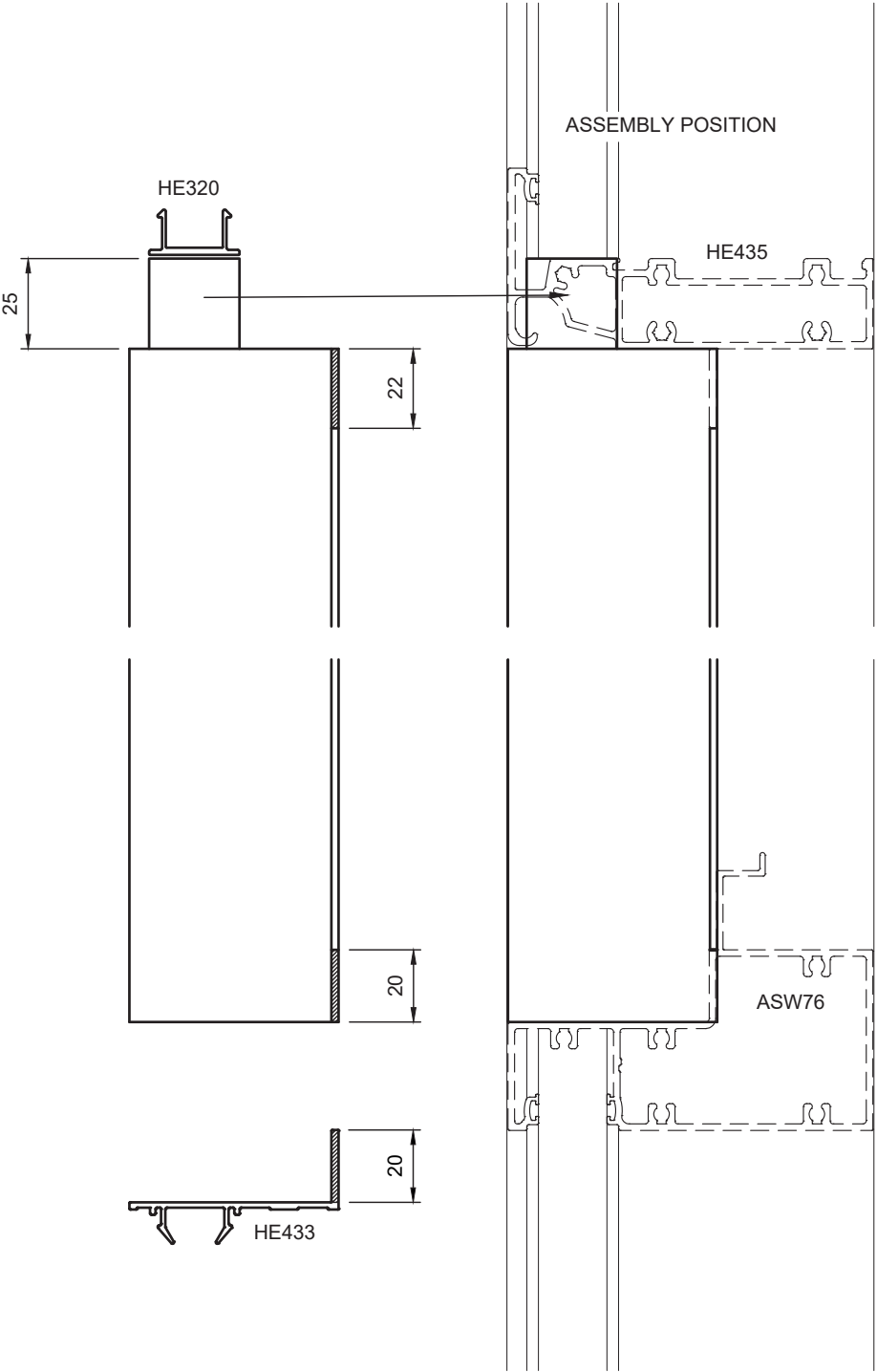
HE433 Hunter Evo SG Sash Adaptor Preparation for Head & Sill

L.H. DRAWN
R.H. OPPOSITE



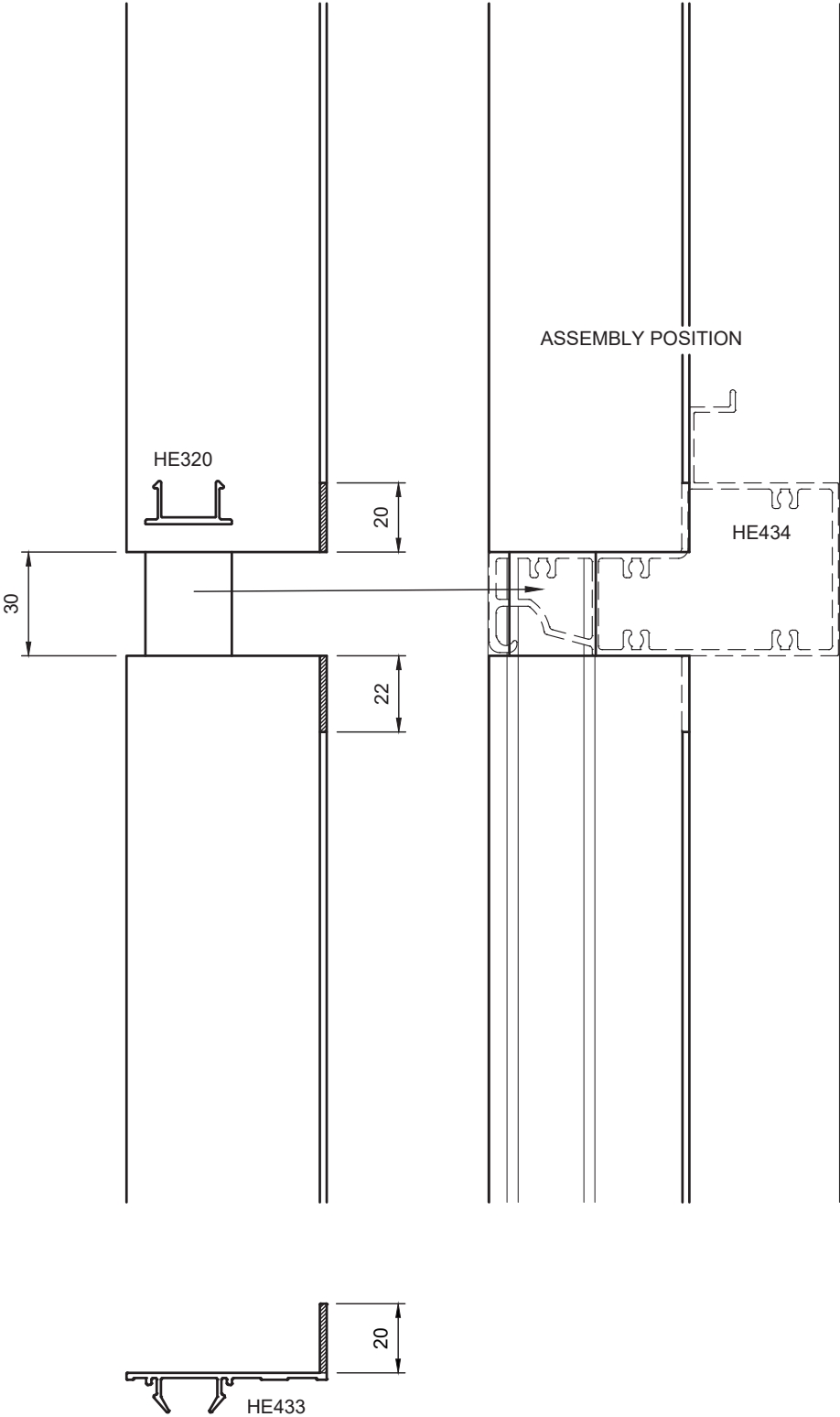
HE433 Hunter Evo SG Sash Adaptor Preparation for Transoms

L.H. DRAWN
R.H. OPPOSITE



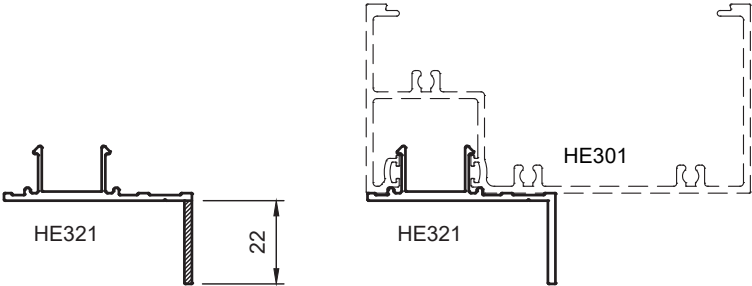
HE433 Hunter Evo SG Sash Adaptor Preparation for HE434 Transom

L.H. DRAWN
R.H. OPPOSITE

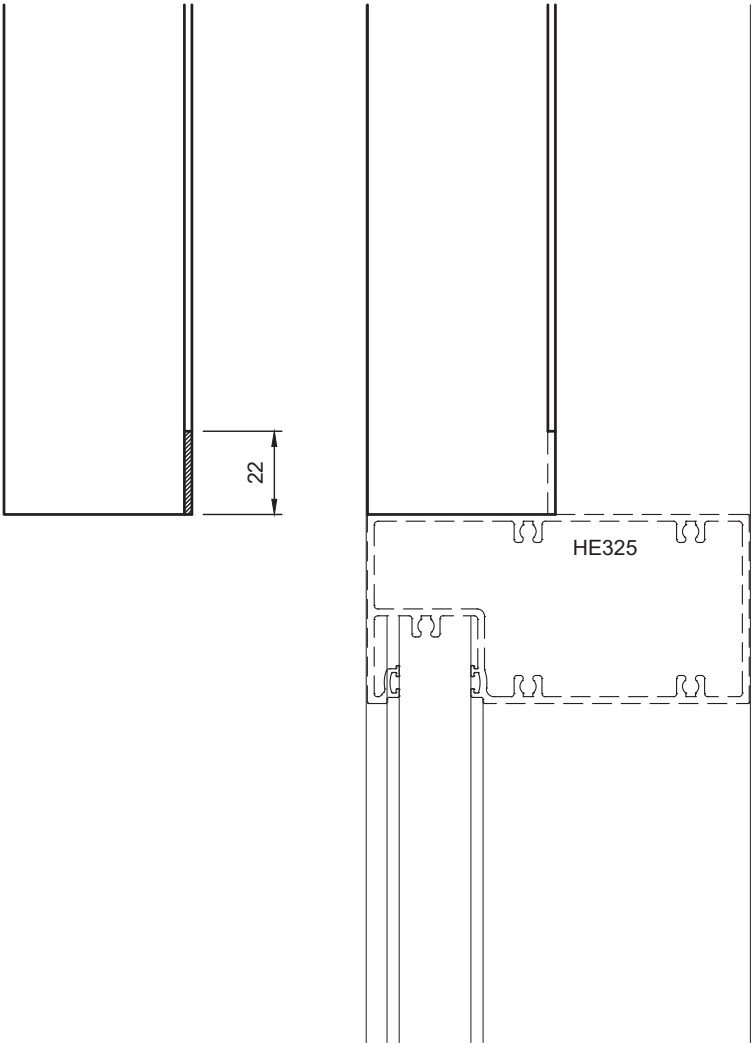


HE321 Hunter Evo 101.6mm SG Sash Adaptor Preparation Transom

L.H. DRAWN
R.H. OPPOSITE

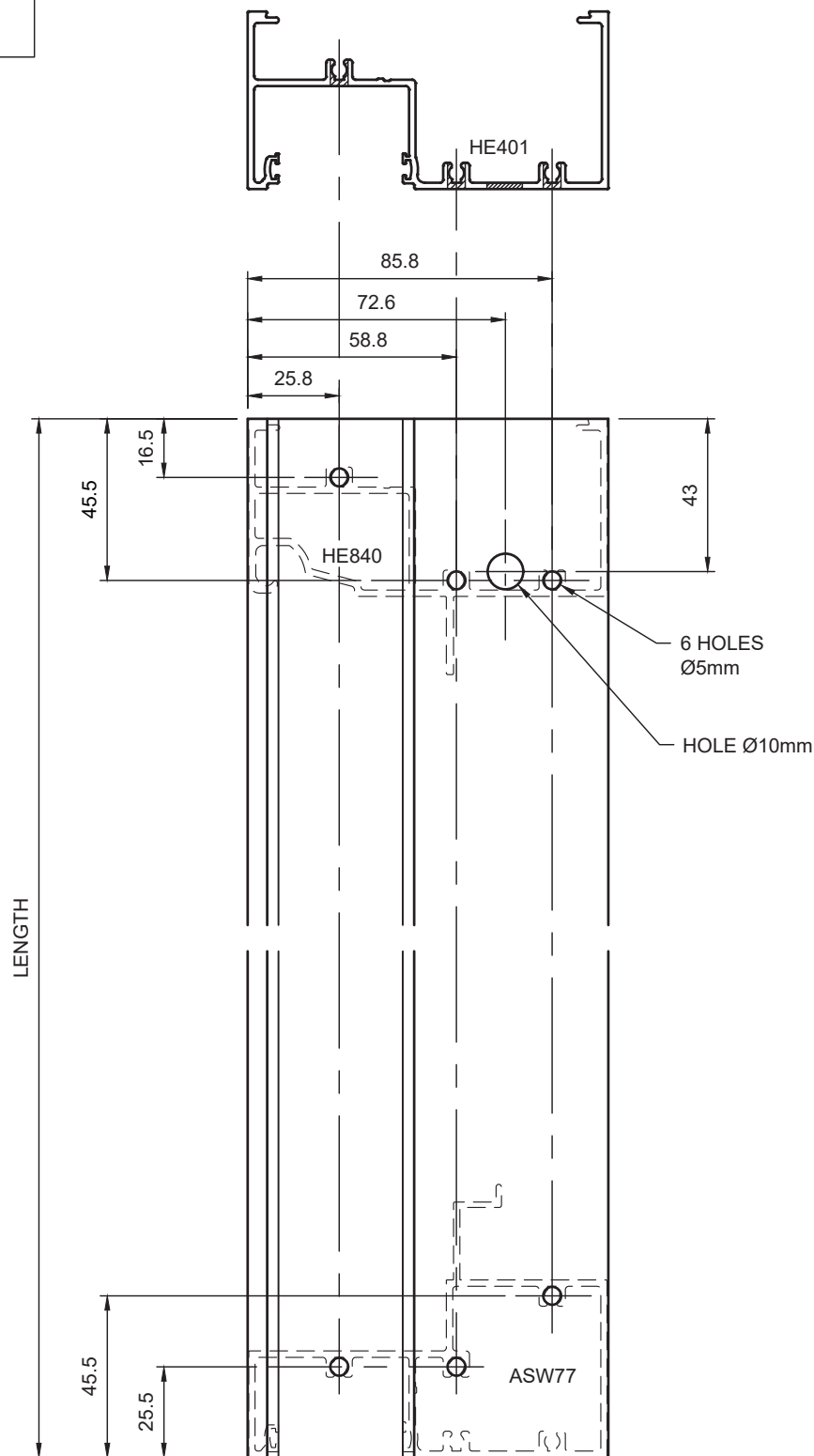


ASSEMBLY POSITION



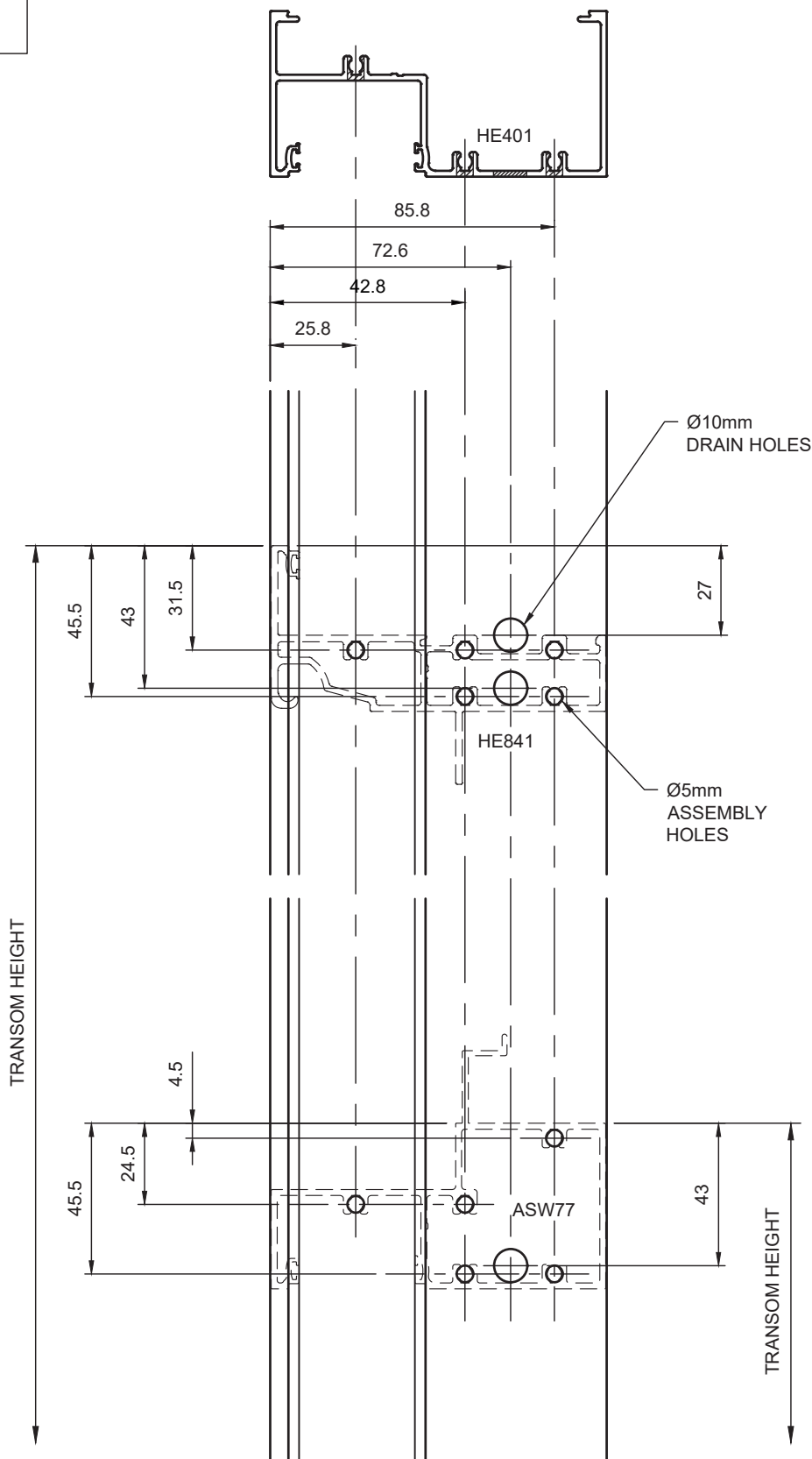
Hunter Evo 101.6mm DG Jamb Preparation for Head & Sill

L.H. DRAWN
R.H. OPPOSITE



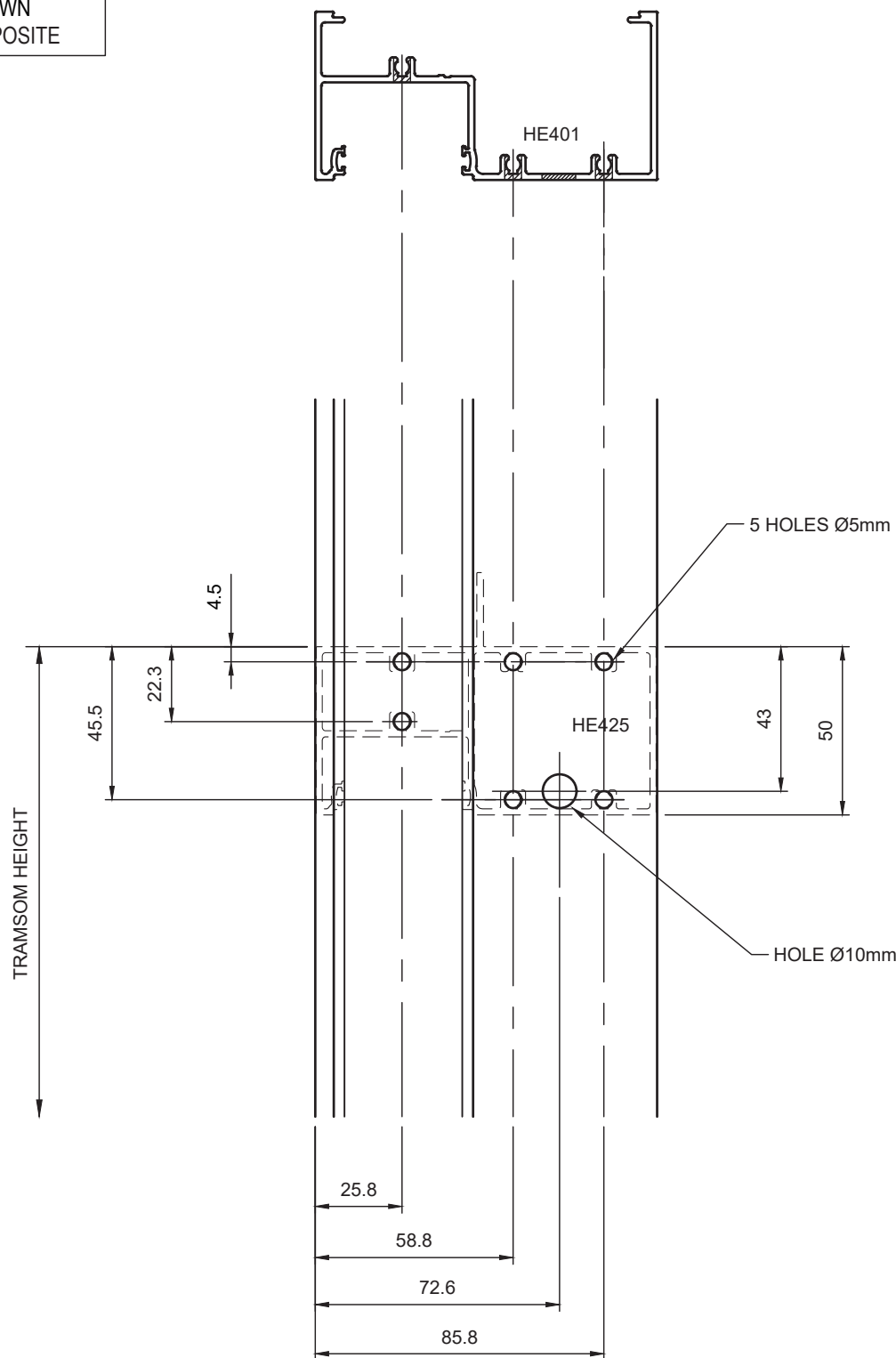
Hunter Evo 101.6mm DG Jamb Preparation HE841 & ASW77 Transoms

L.H. DRAWN
R.H. OPPOSITE

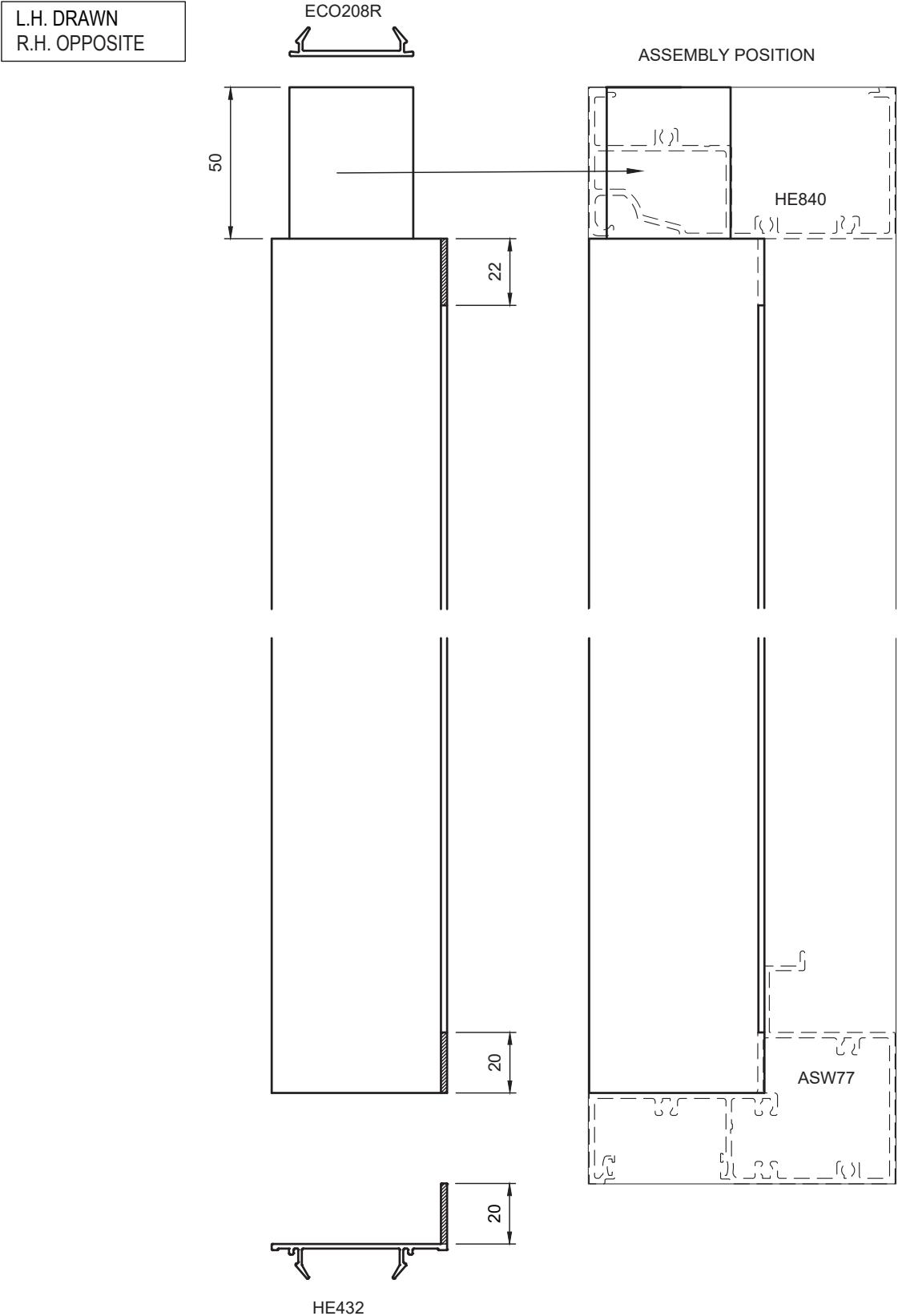


Hunter Evo 101.6mm DG Jamb Preparation for HE425 Transom

L.H. DRAWN
R.H. OPPOSITE

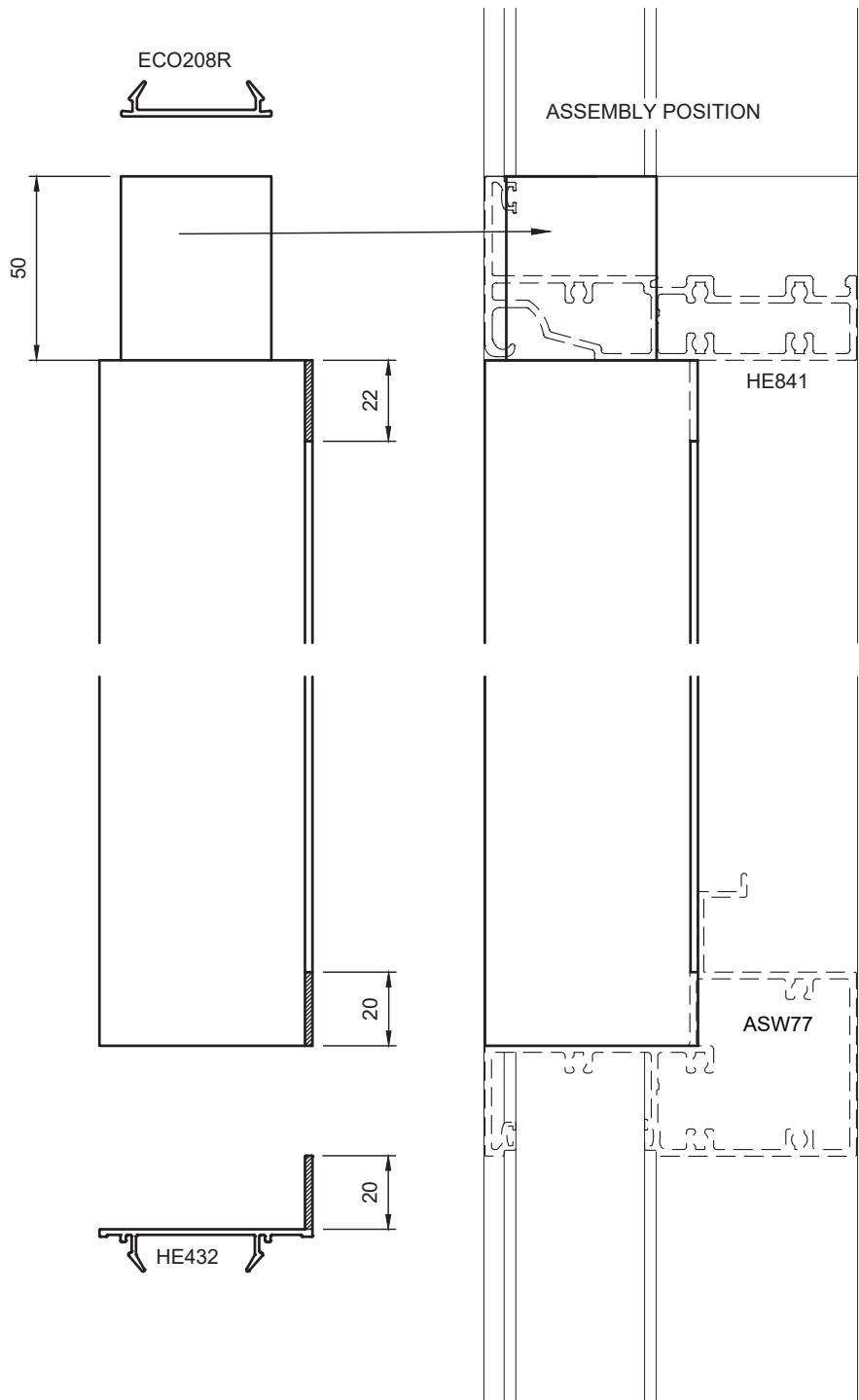


HE432 Hunter Evo DG Sash Adaptor Preparation for Head & Sill



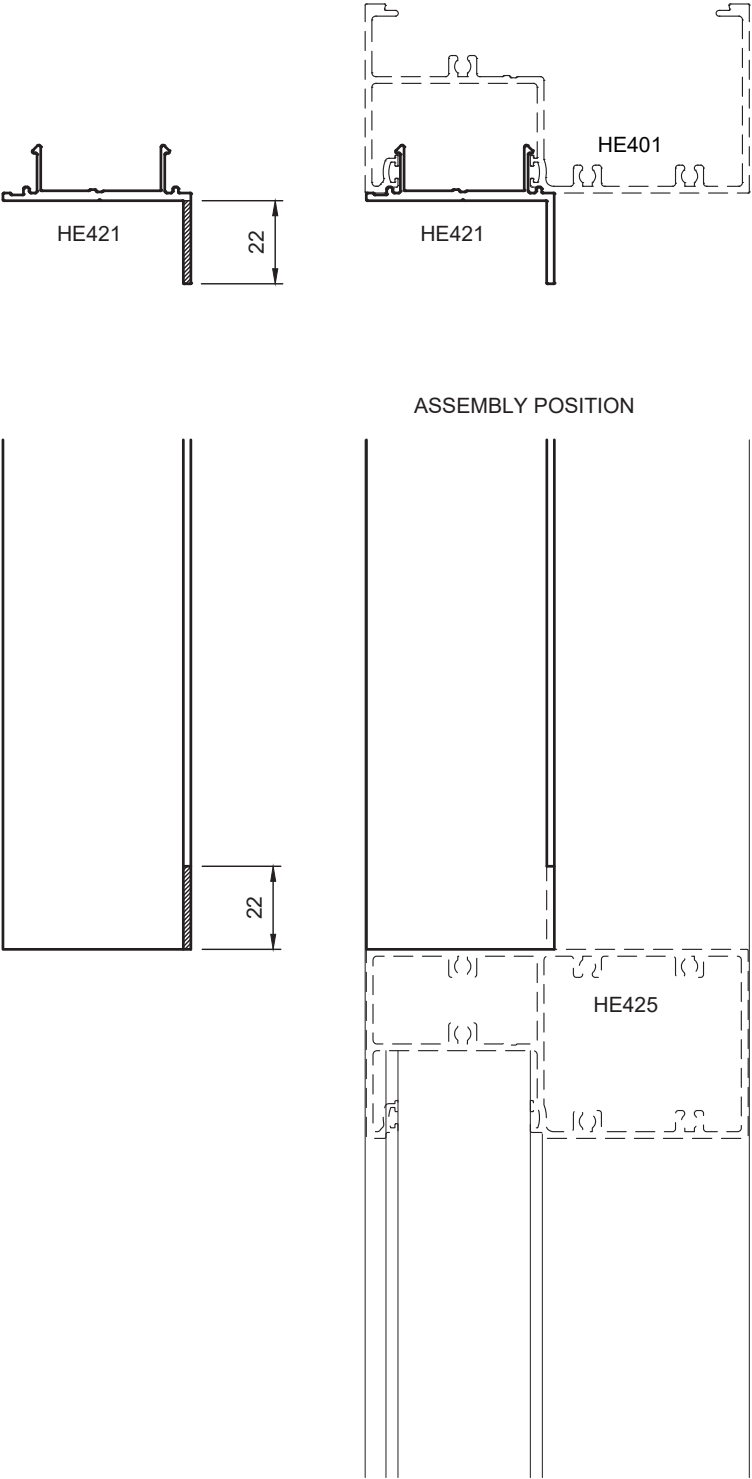
HE432 Hunter Evo DG Sash Adaptor Preparation for Transoms

L.H. DRAWN
R.H. OPPOSITE



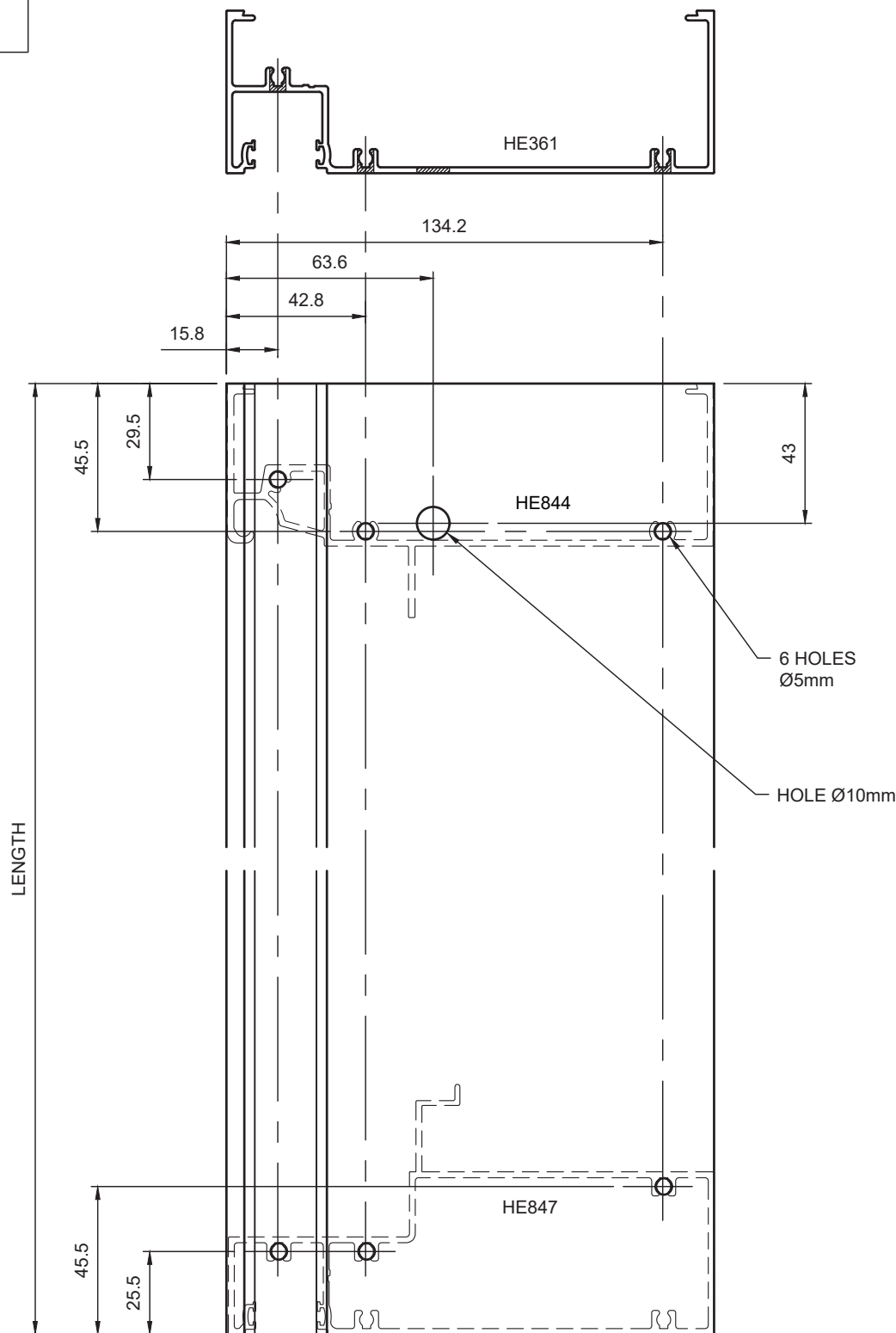
HE421 Hunter Evo 101.6 SG Sash Adaptor Preparation HE425 Transom

L.H. DRAWN
R.H. OPPOSITE



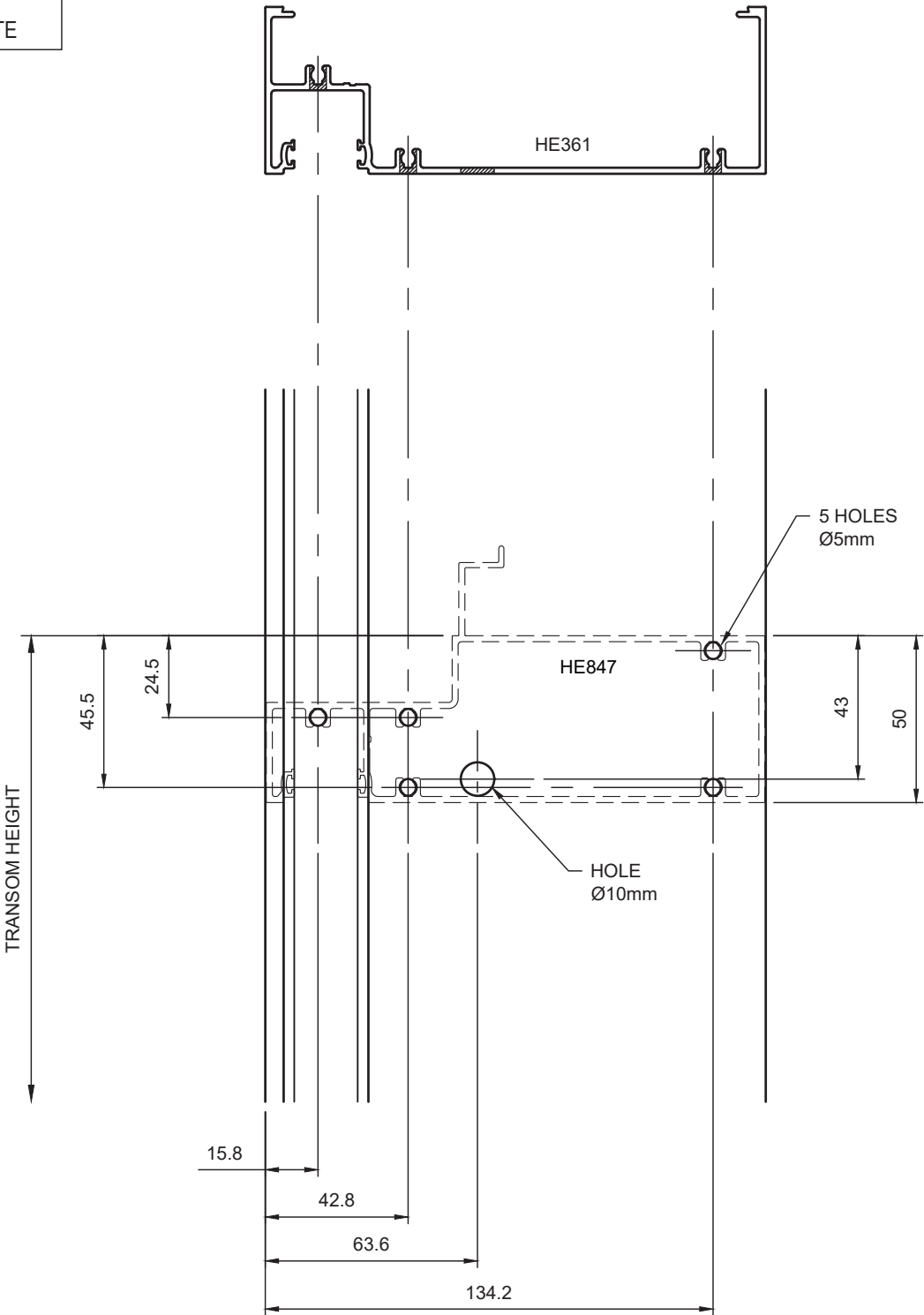
Hunter Evo 150mm SG Jamb Preparation for Head & Sill

L.H. DRAWN
R.H. OPPOSITE



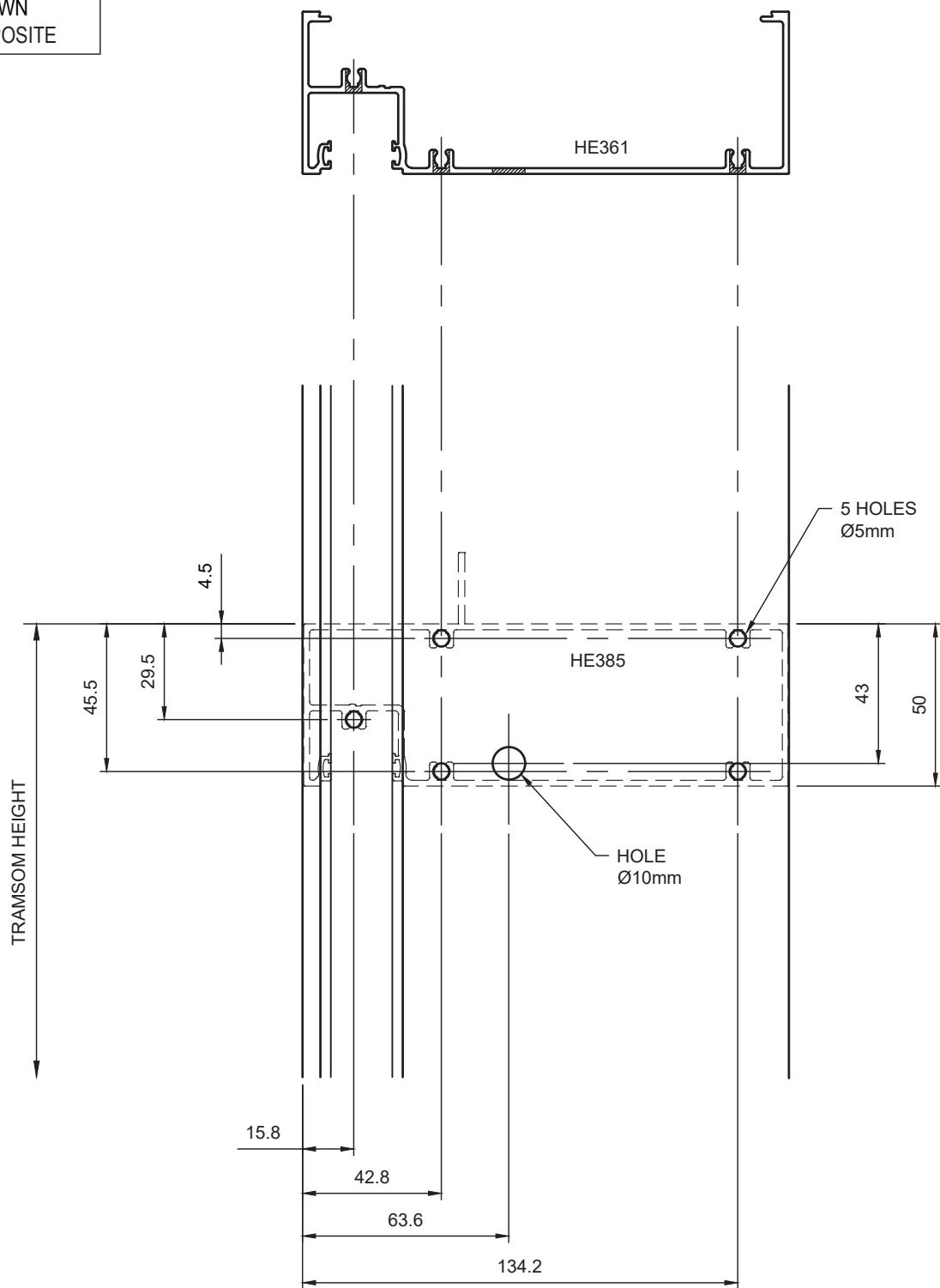
Hunter Evo 150mm SG Jamb Preparation for HE847 Transom

L.H. DRAWN
R.H. OPPOSITE

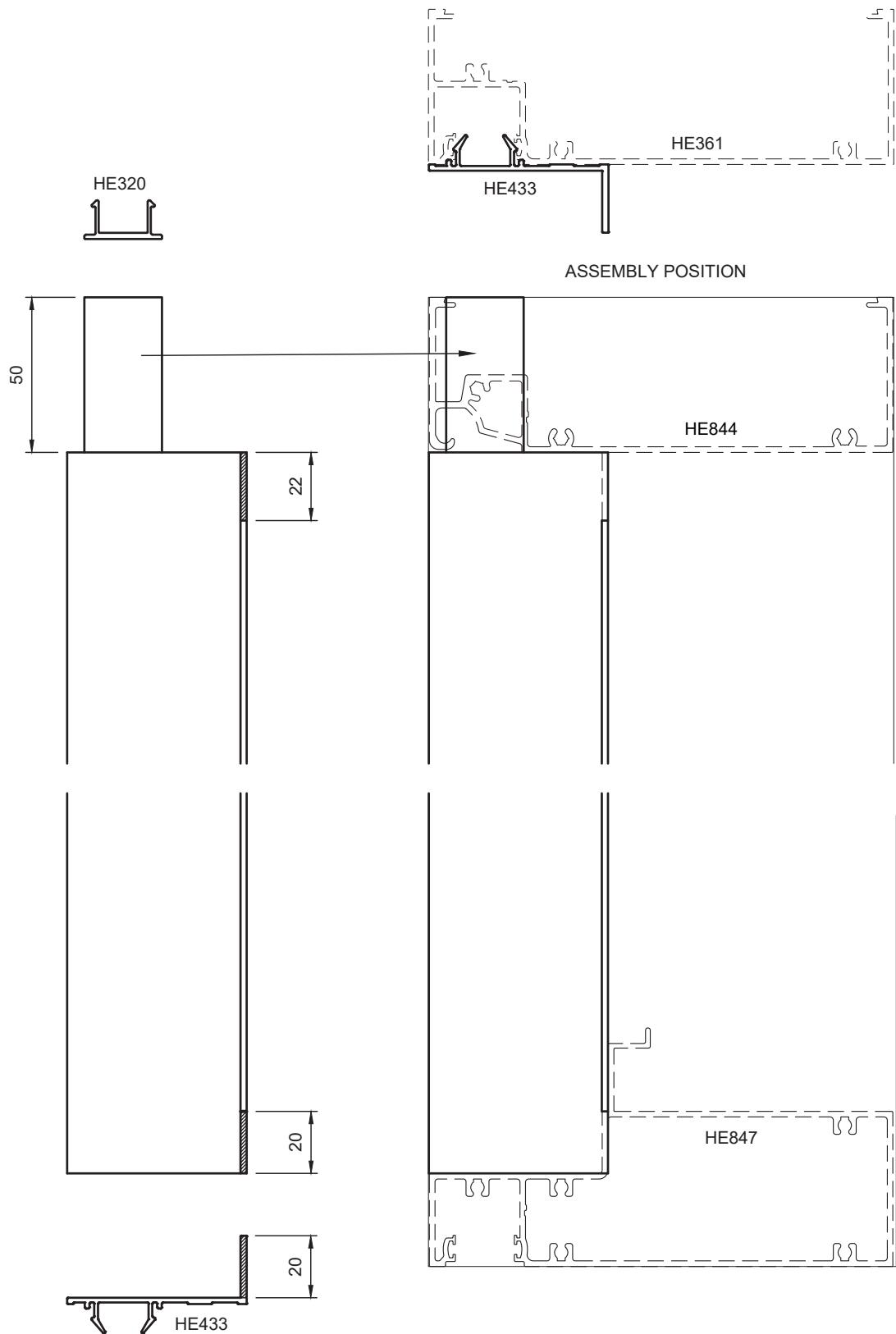


Hunter Evo 150mm SG Jamb Preparation for HE385 Transom

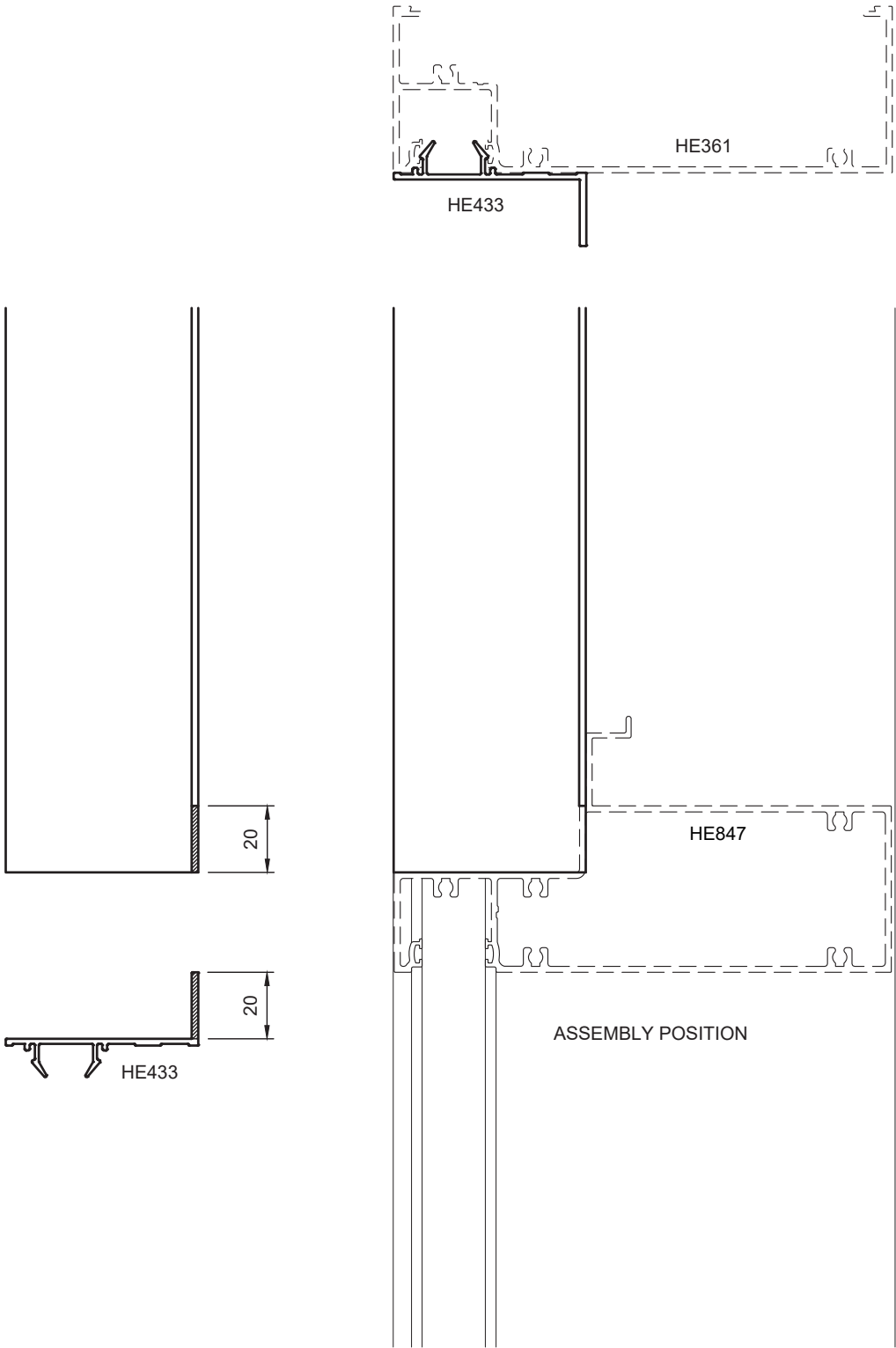
L.H. DRAWN
R.H. OPPOSITE



HE433 Hunter Evo SG Jamb Adaptor Preparation for Head & Sill

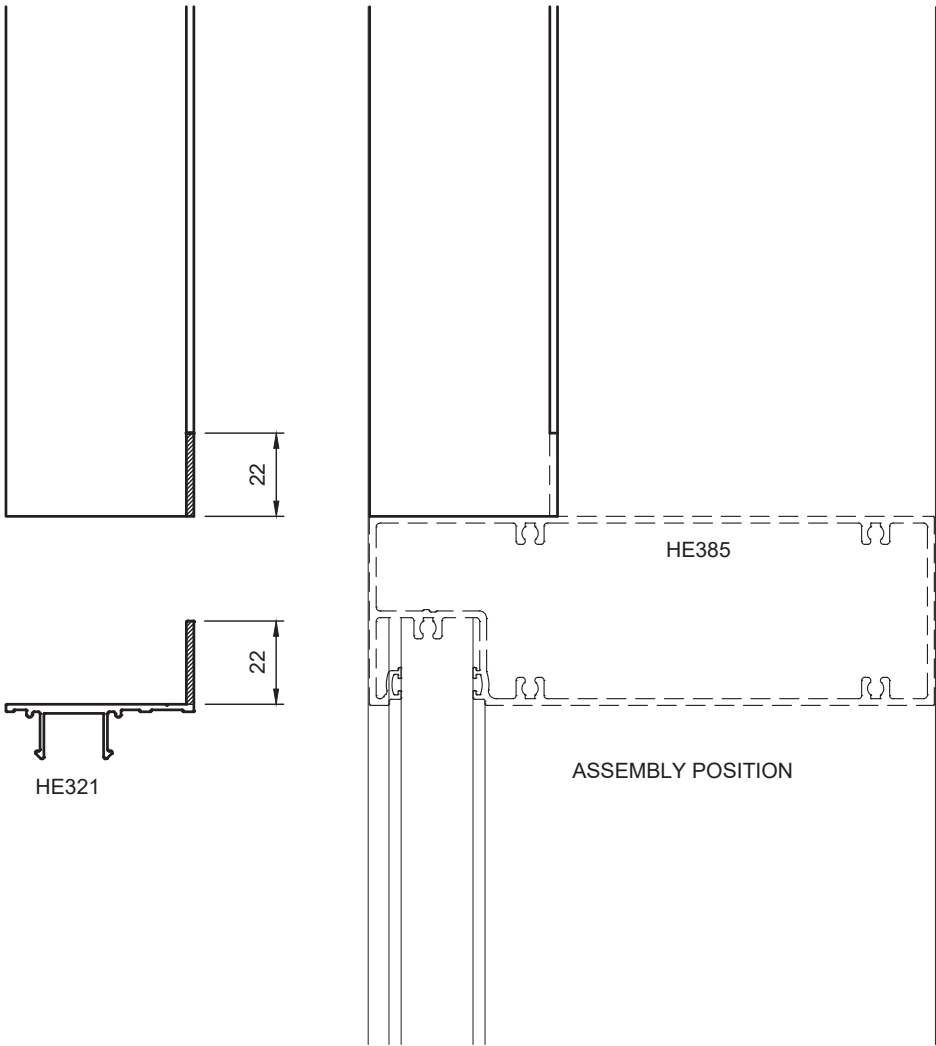
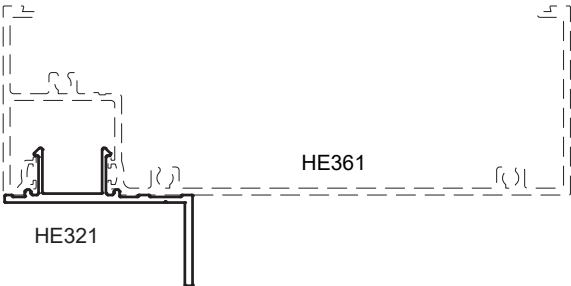


HE433 Hunter Evo SG Jamb Adaptor Prep. HE847 Transom



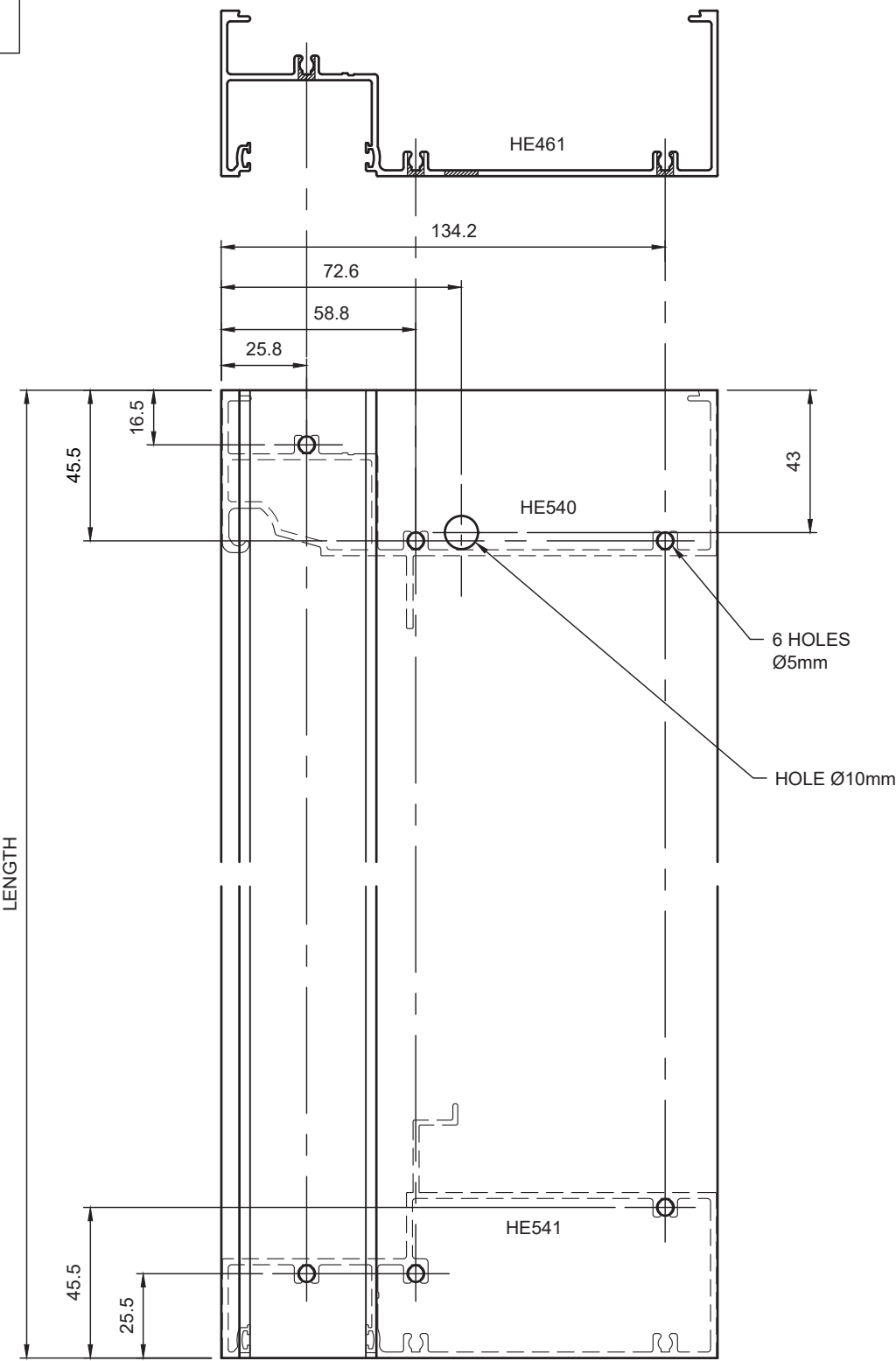
HE321 Hunter Evo 150mm SG Sash Adaptor Preparation HE385 Transom

L.H. DRAWN
R.H. OPPOSITE



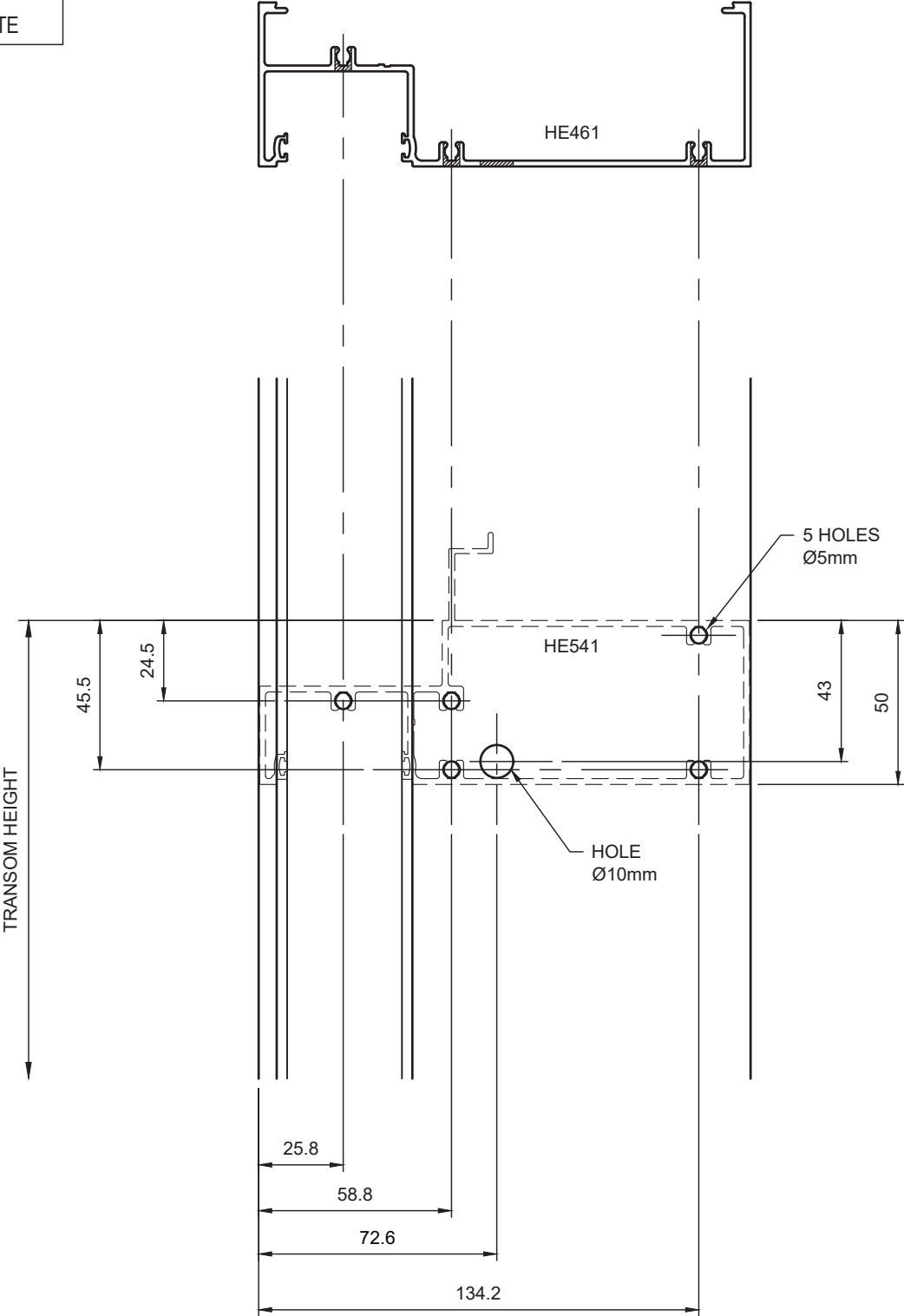
Hunter Evo 150mm DG Jamb Preparation for Head & Sill

L.H. DRAWN
R.H. OPPOSITE



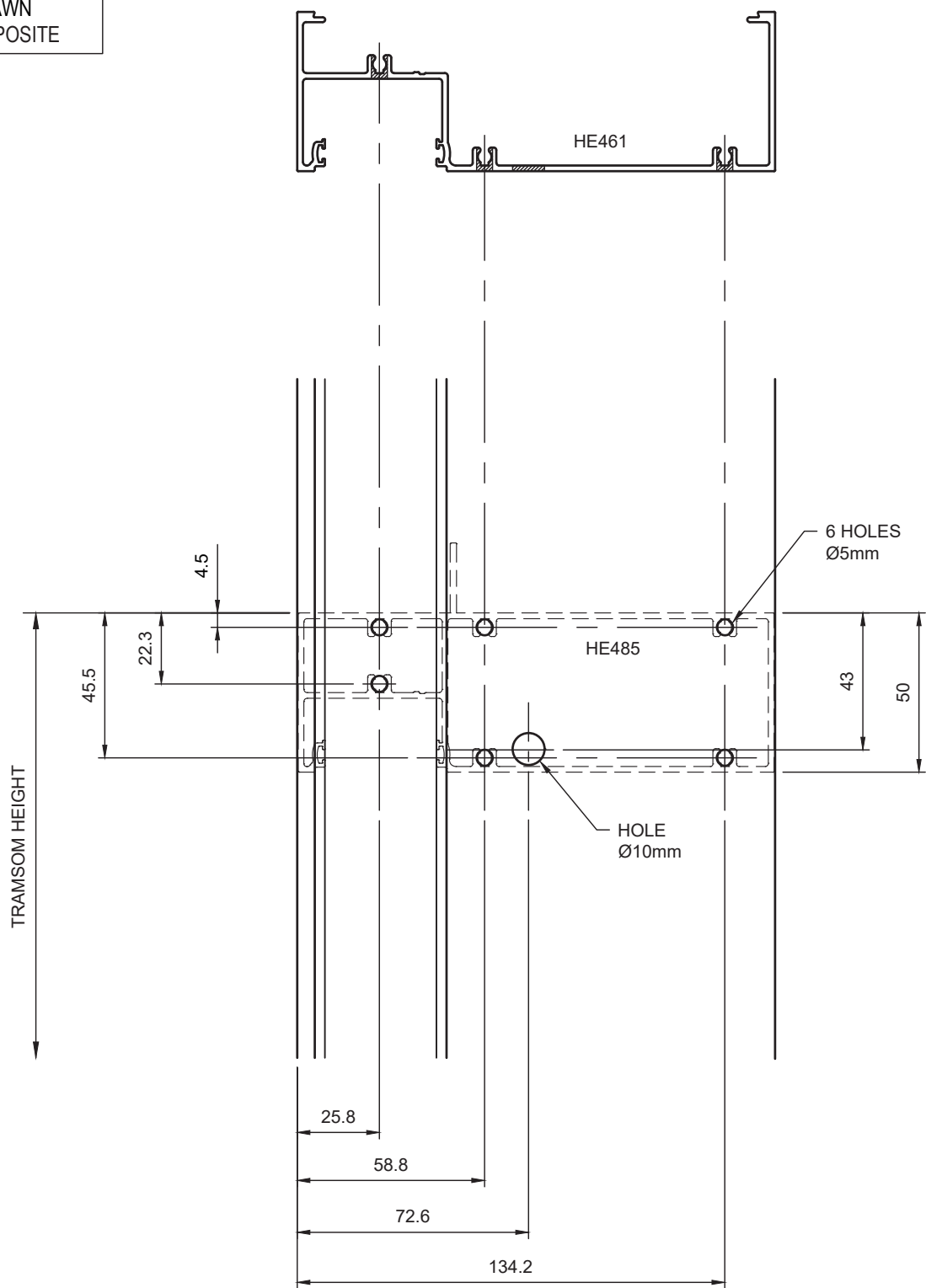
Hunter Evo 150mm DG Jamb Preparation for HE541 Transom

L.H. DRAWN
R.H. OPPOSITE

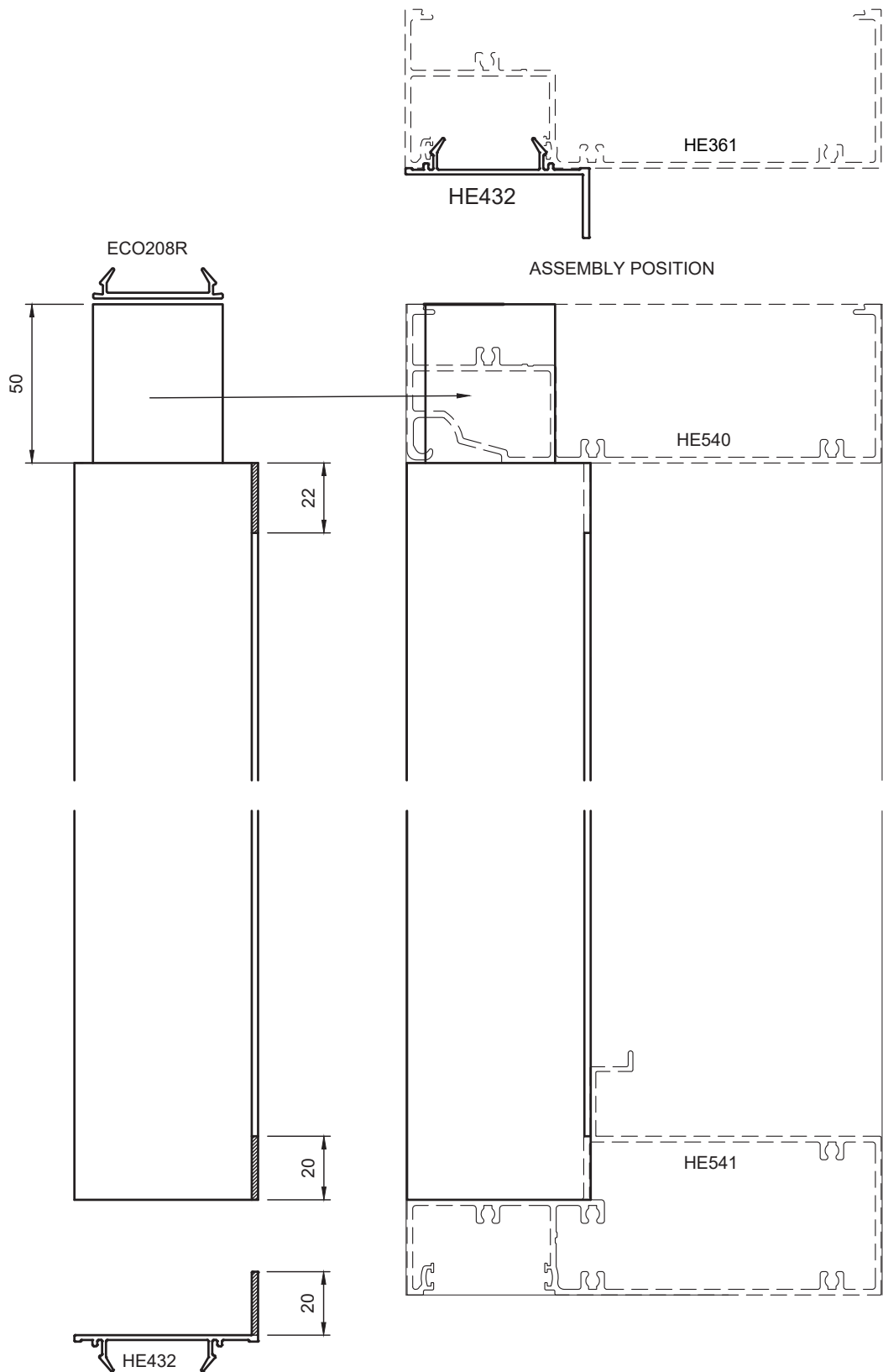


Hunter Evo 150mm DG Jamb Preparation for HE485 Transom

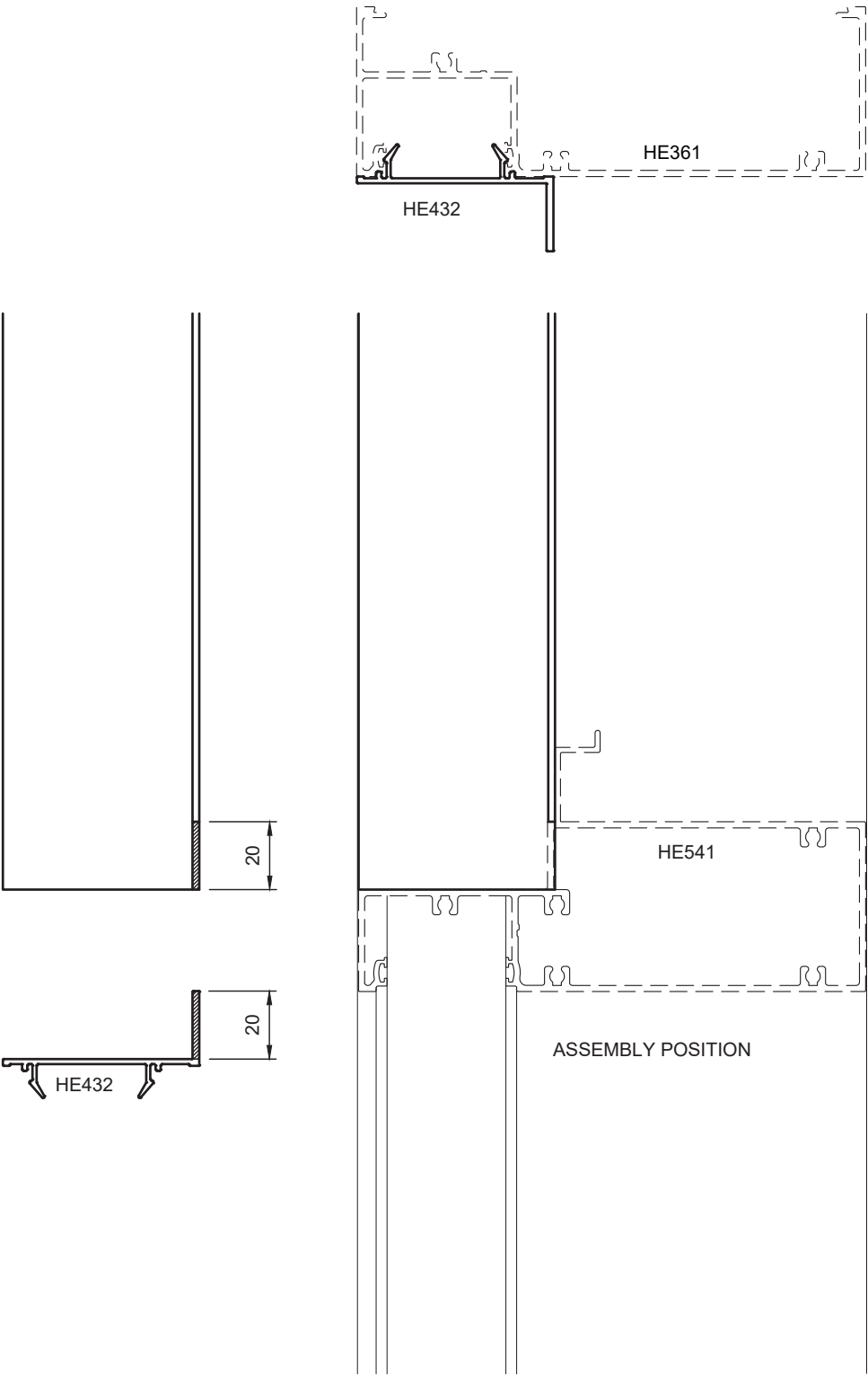
L.H. DRAWN
R.H. OPPOSITE



HE432 Hunter Evo DG Jamb Adaptor Preparation for Head & Sill

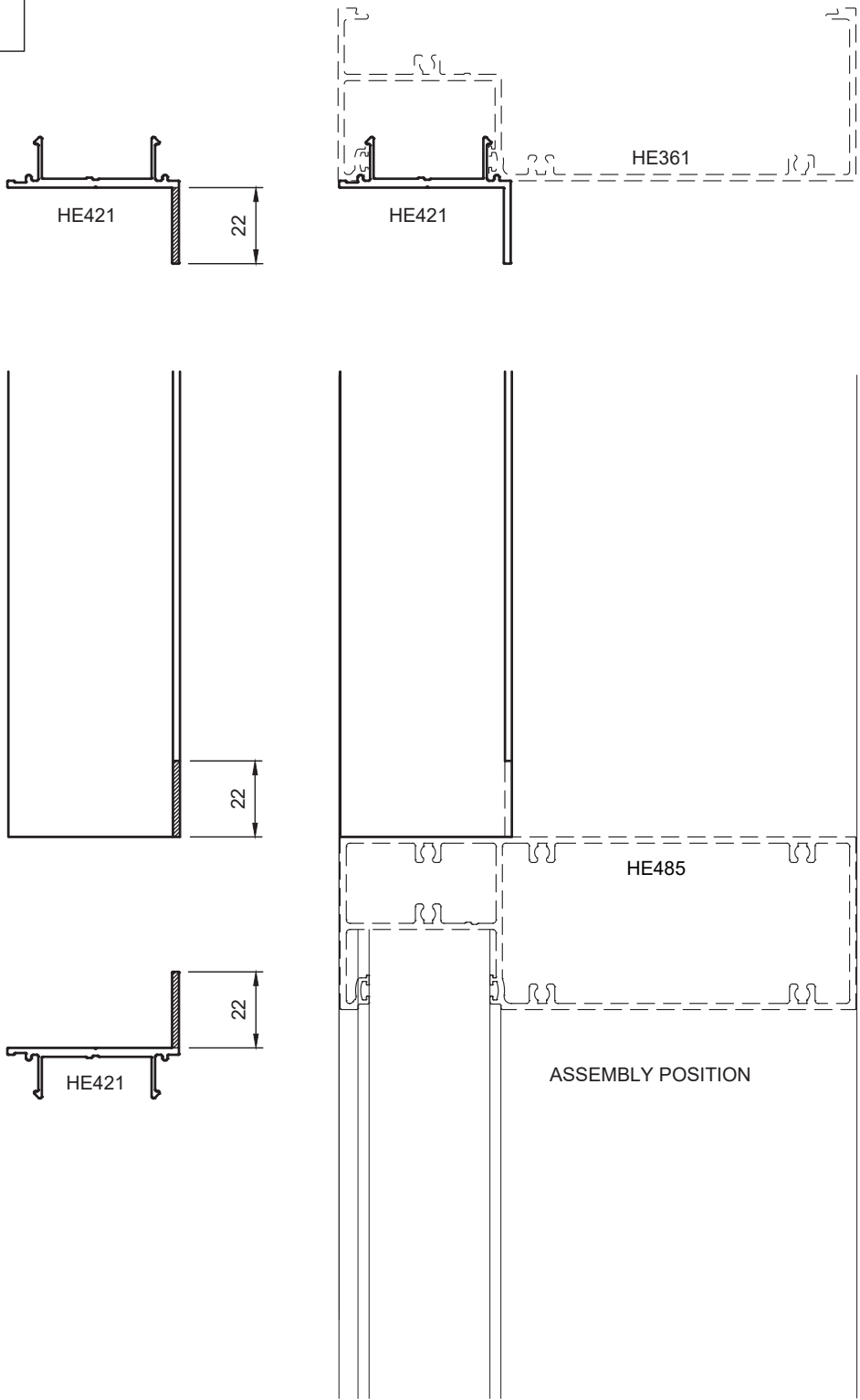


HE432 Hunter Evo DG Jamb Adaptor Preparation HE541 Transom



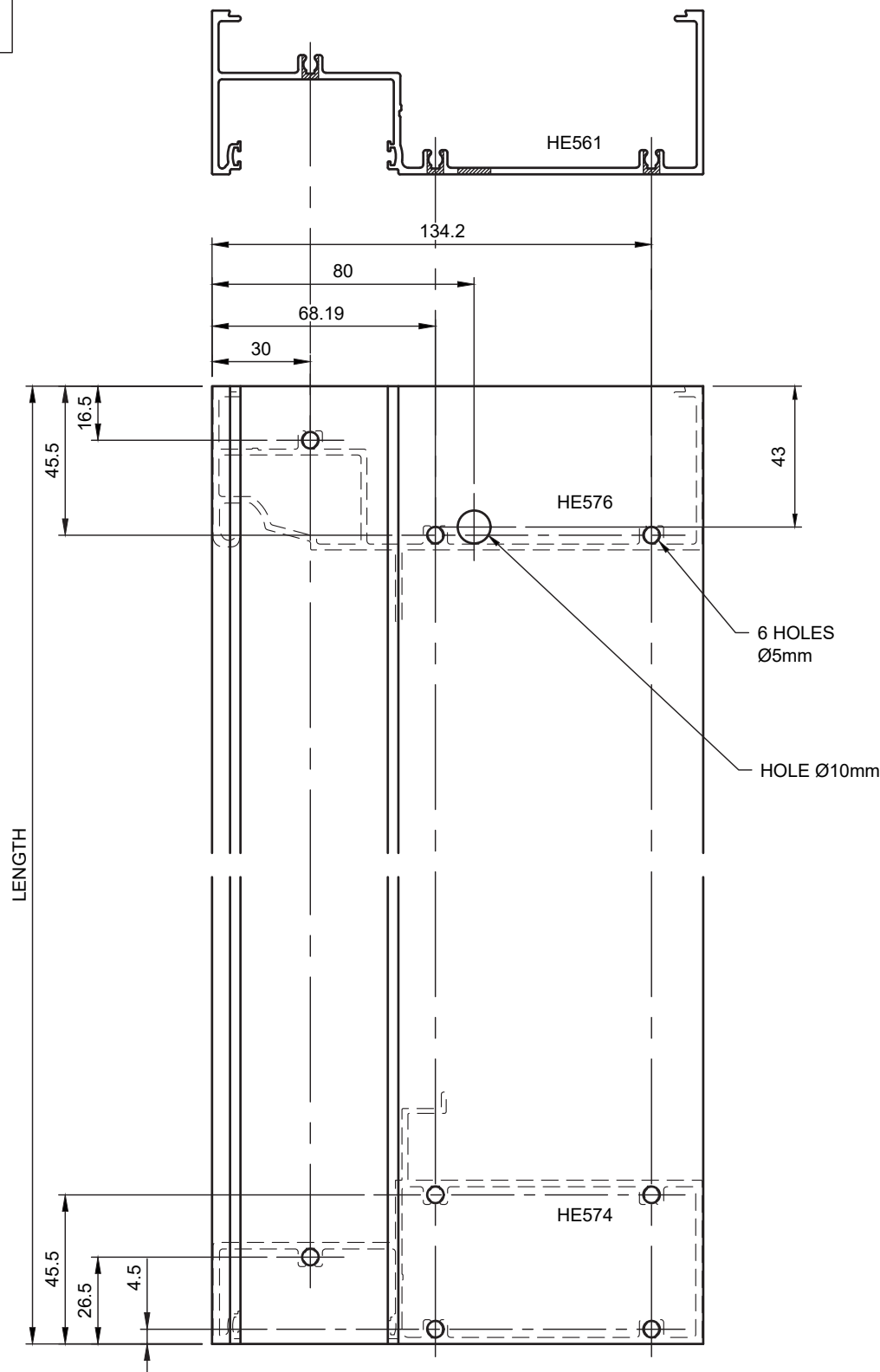
HE421 Hunter Evo DG Jamb Adaptor Preparation HE485 Transom

L.H. DRAWN
R.H. OPPOSITE



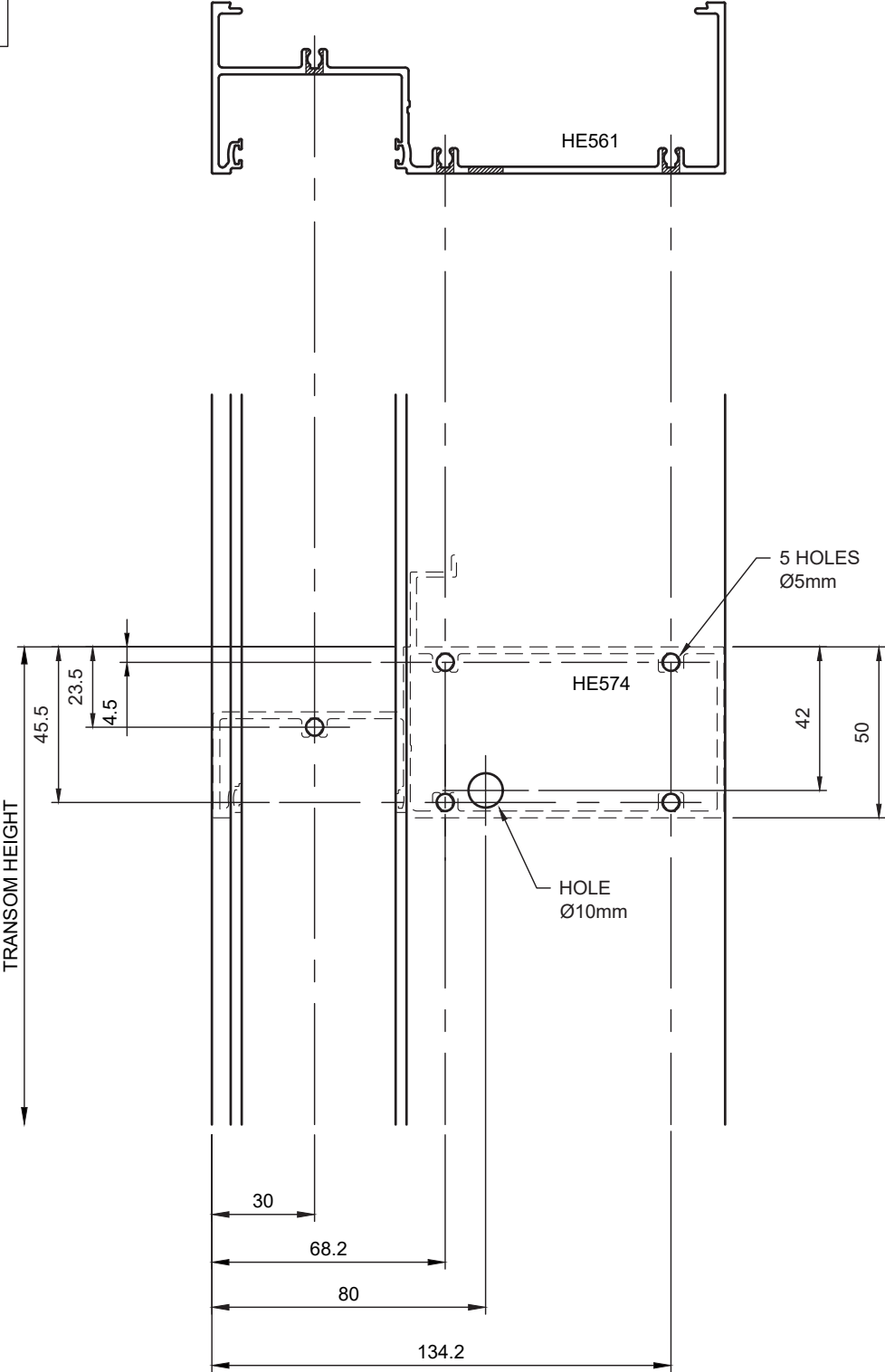
Hunter Evo 150mm DG Wide Pocket Jamb Preparation for Head & Sill

L.H. DRAWN
R.H. OPPOSITE

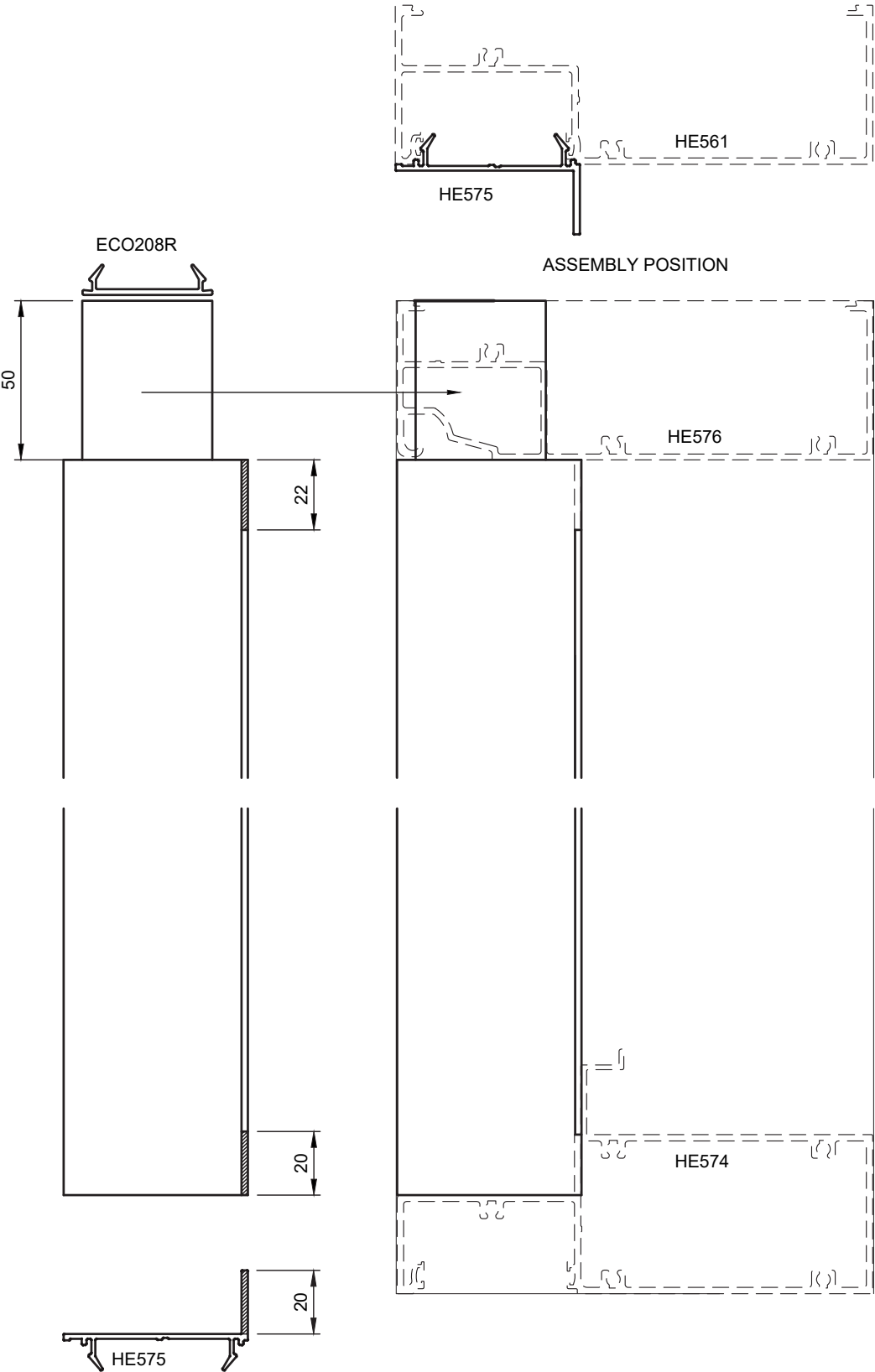


Hunter Evo 150mm DG Wide Pocket Jamb Preparation for HE574 Transom

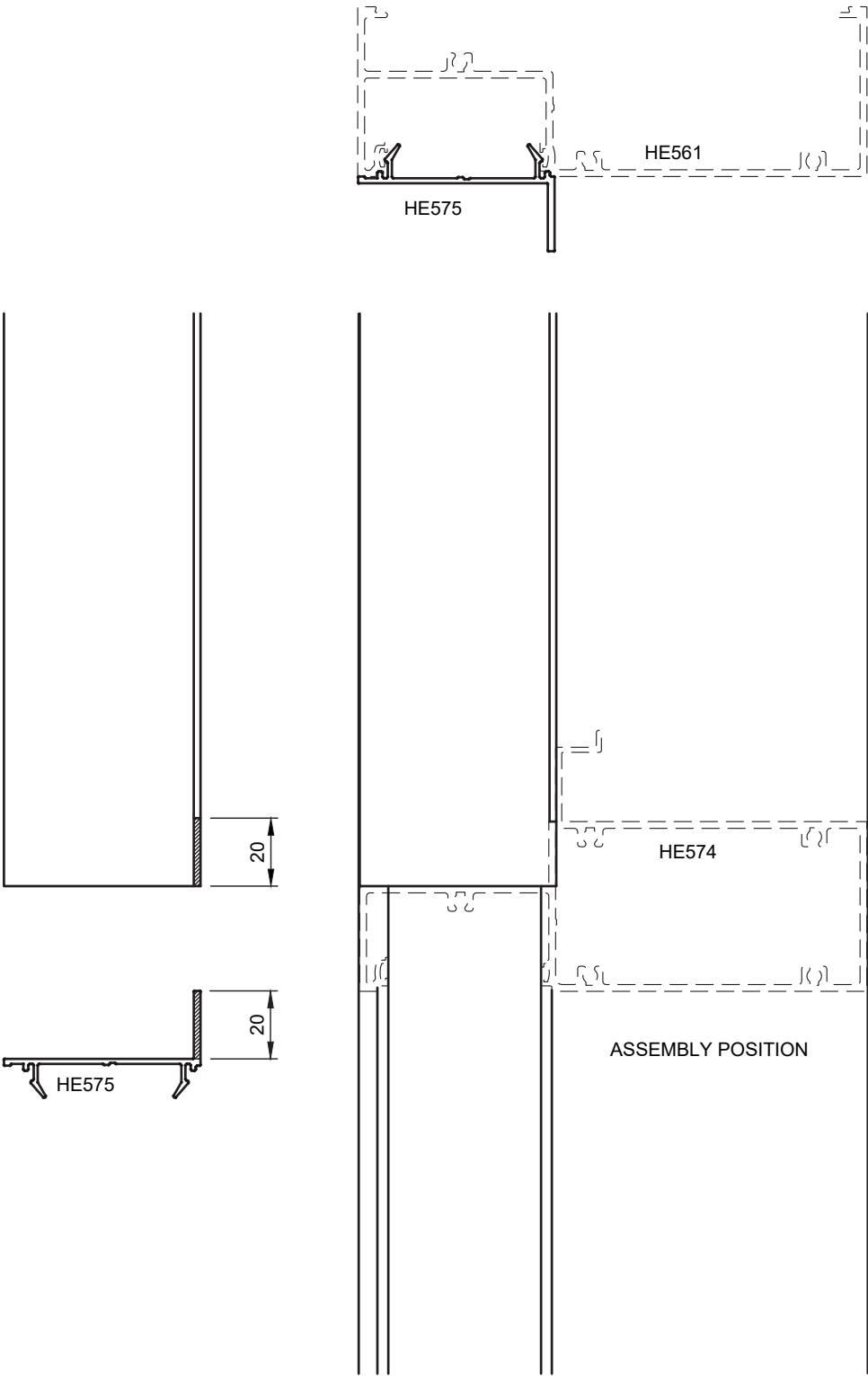
L.H. DRAWN
R.H. OPPOSITE



HE575 Hunter Evo DG Wide Pocket Jamb Adaptor Preparation for Head & Sill

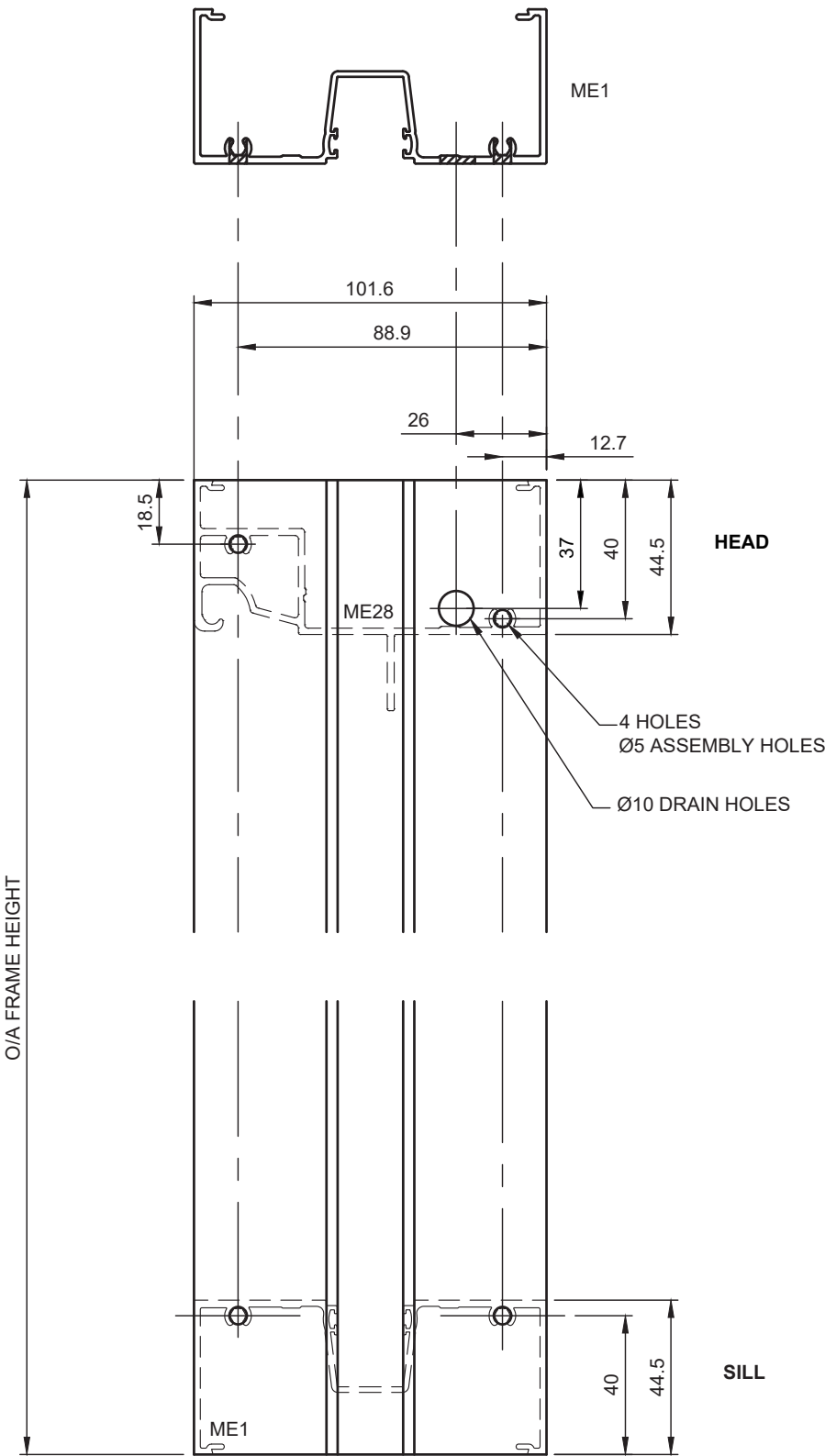


HE575 Hunter Evo DG Wide Pocket Jamb Adaptor Preparation HE574 Transom



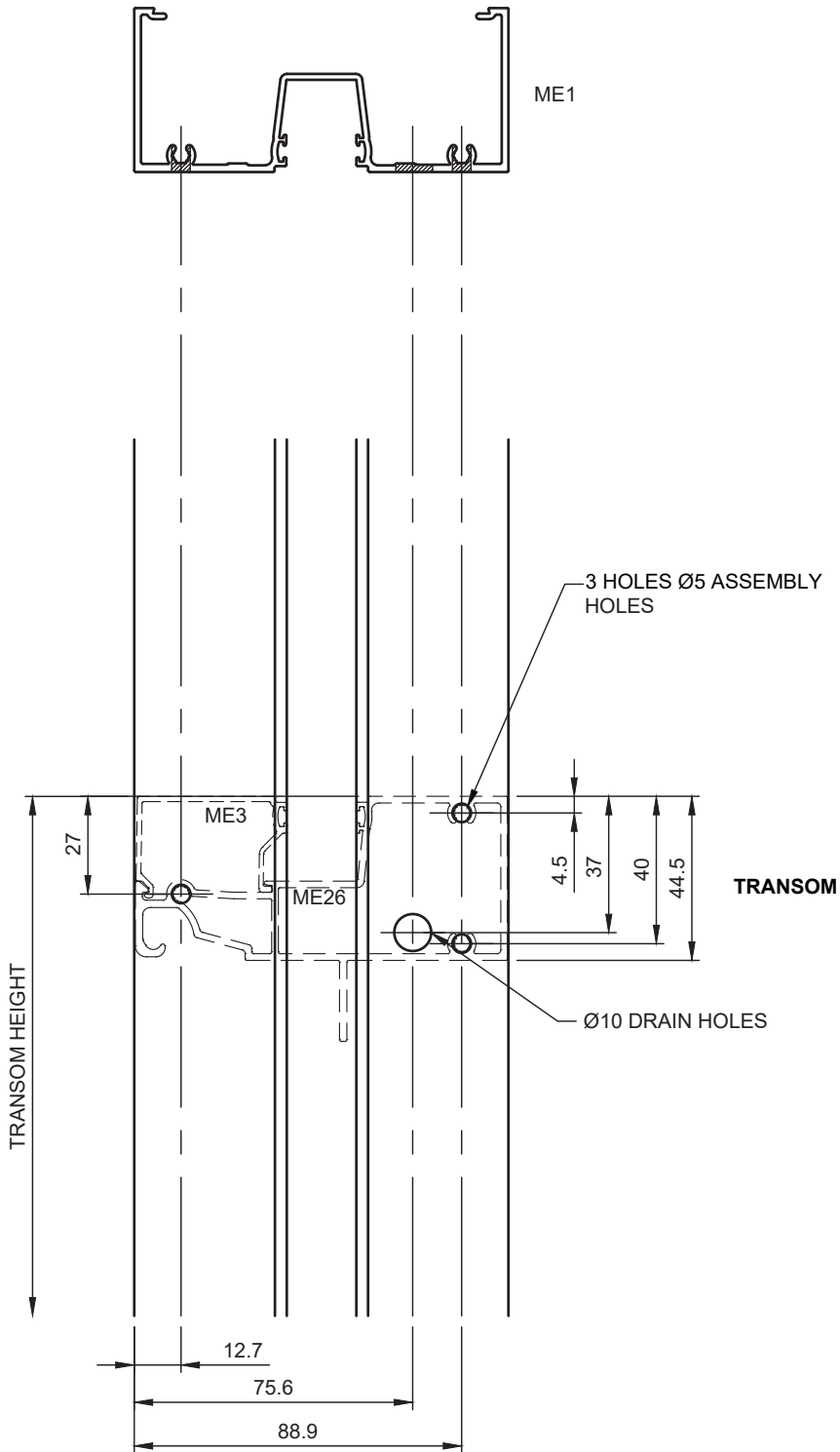
McArthur Evo 101.6mm SG Jamb Preparation for Head & Sill

L.H. DRAWN
R.H. OPPOSITE



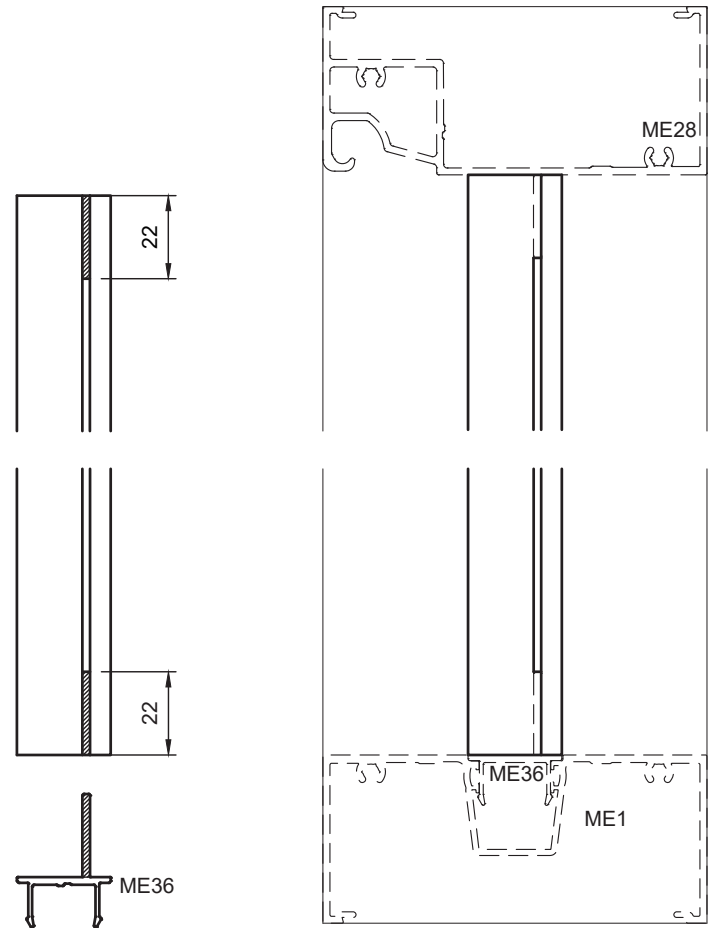
McArthur Evo 101.6mm SG Jamb Prep. for ME26 Transom

L.H. DRAWN
R.H. OPPOSITE

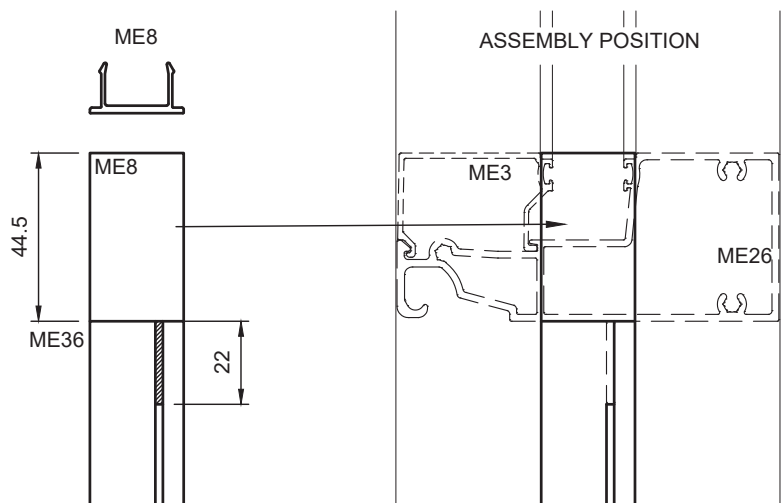


ME36 McArthur Evo Jamb Adaptor Prep. for Head & Sill

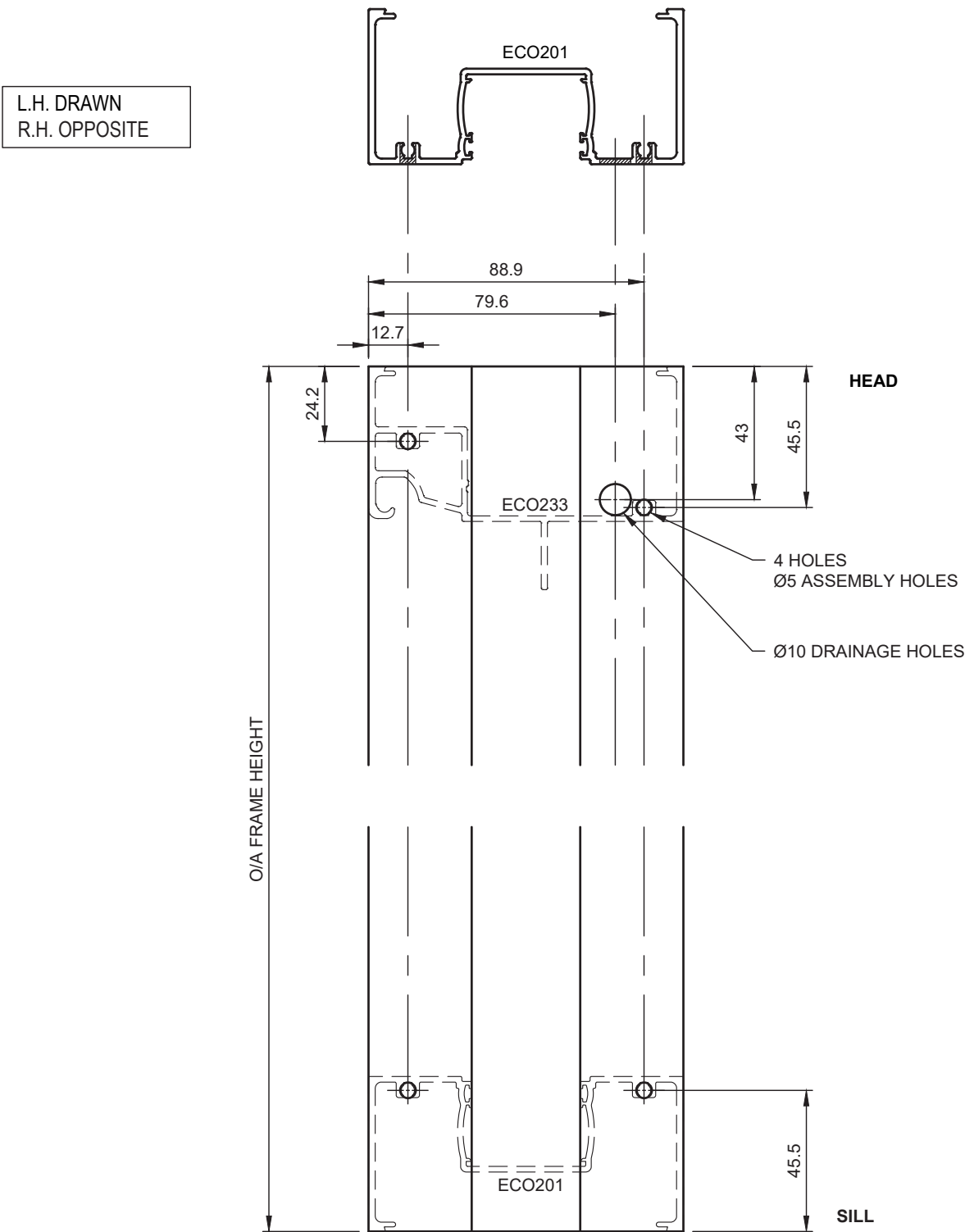
L.H. DRAWN
R.H. OPPOSITE



ME36 McArthur Evo Jamb Adaptor Prep. for ME26 Transom

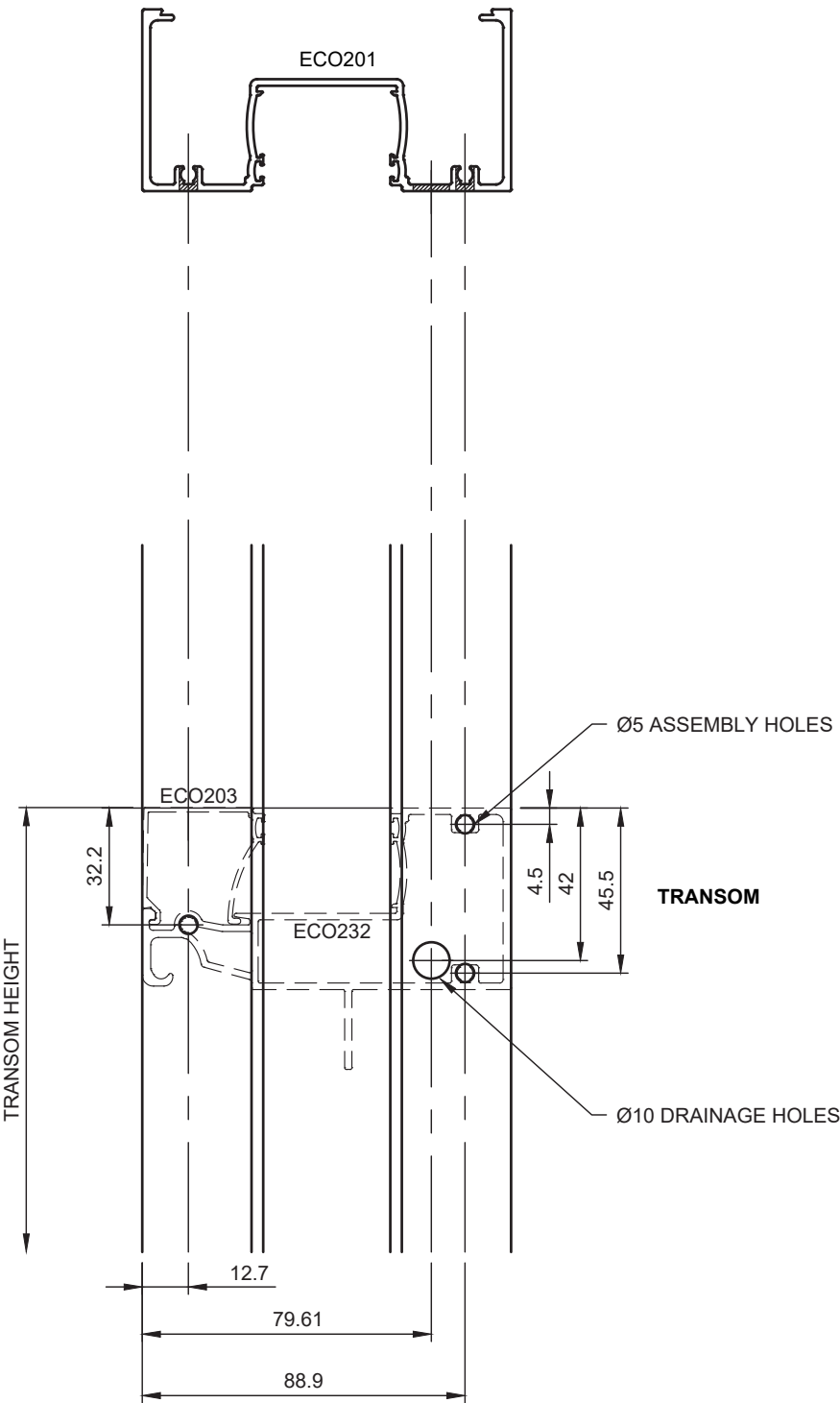


ecoFRAMEplus 101.6mm DG Jamb Preparation for Head & Sill



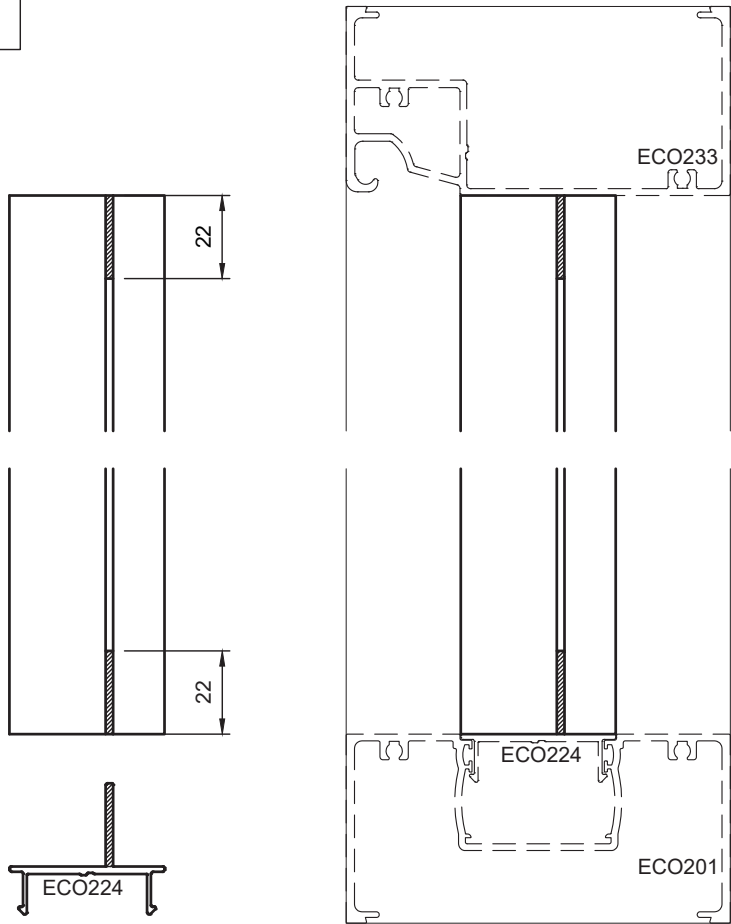
ecoFRAMEplus 101.6mm DG Jamb Prep. for ECO232 Transom

L.H. DRAWN
R.H. OPPOSITE

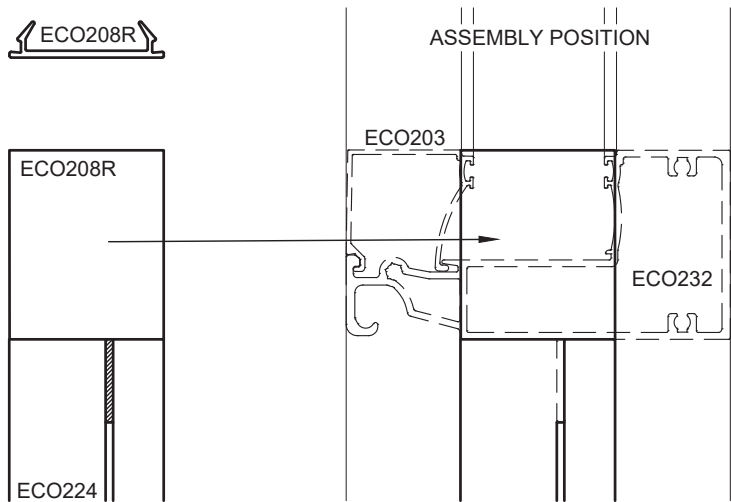


ECO224 ecoFRAMEplus Jamb Adaptor Prep. for Head & Sill

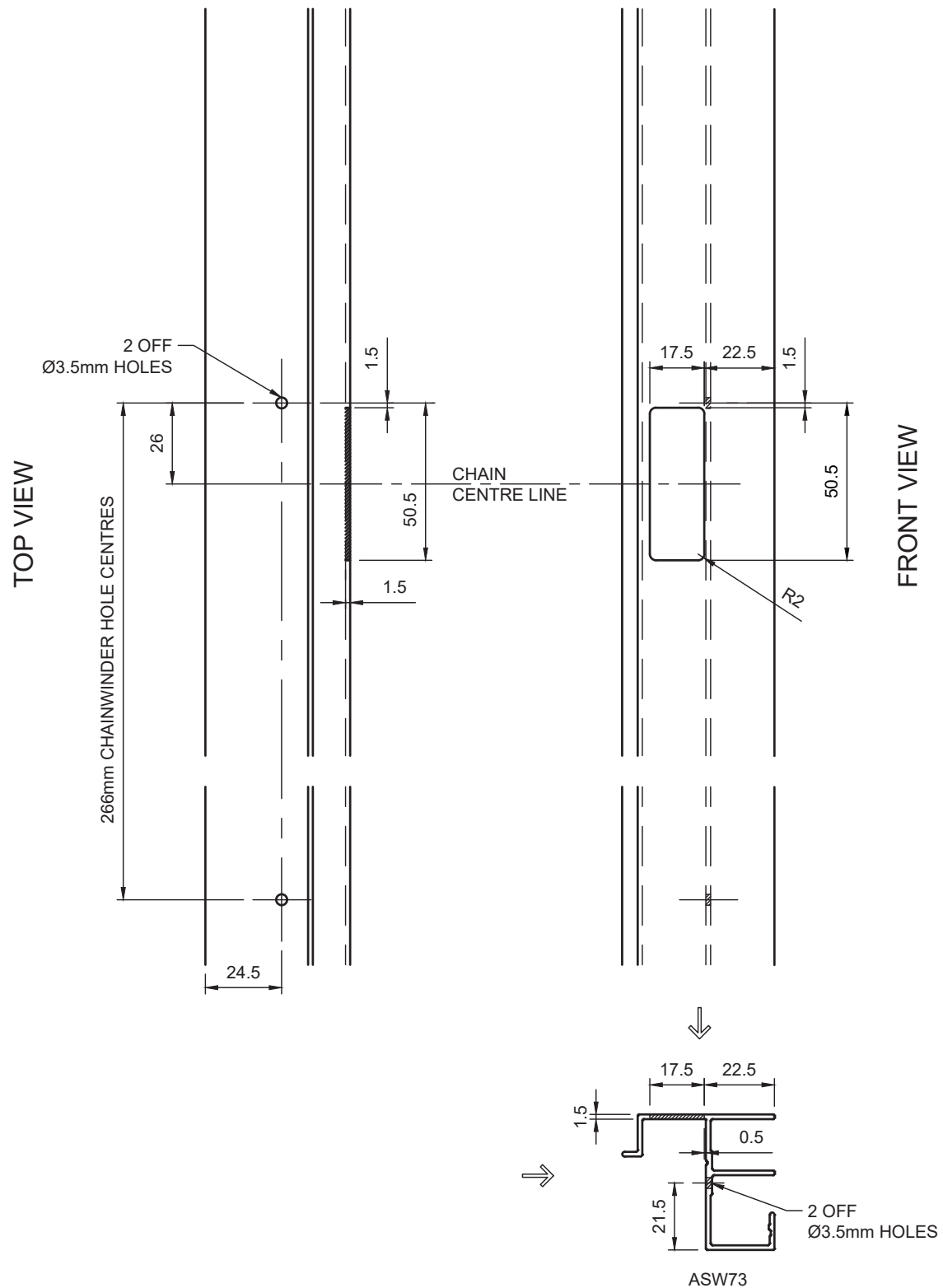
L.H. DRAWN
R.H. OPPOSITE



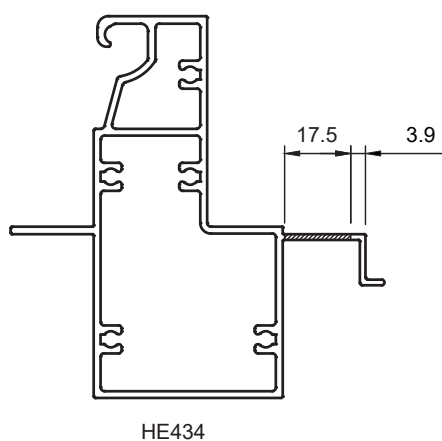
ECO224 MecoFRAMEplus Jamb Adaptor Prep. for ECO323 Transom



ASW73 Winder Adaptor Awning Winder Machining

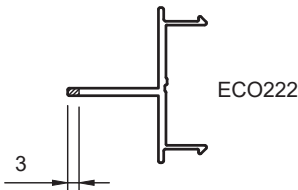
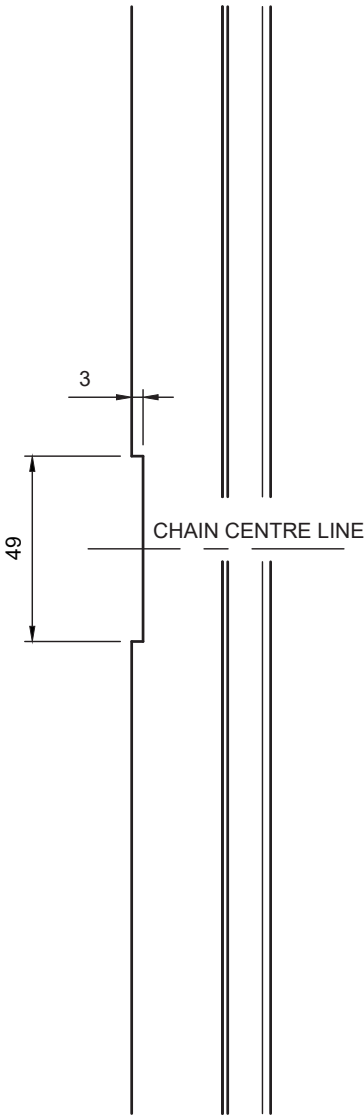


Chain Winder Notch for ASW73 & Hunter Evo Transoms

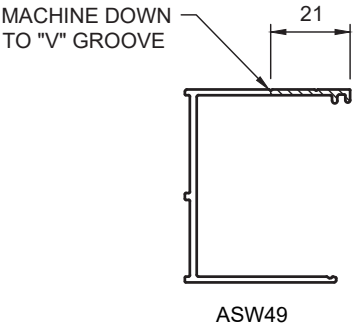
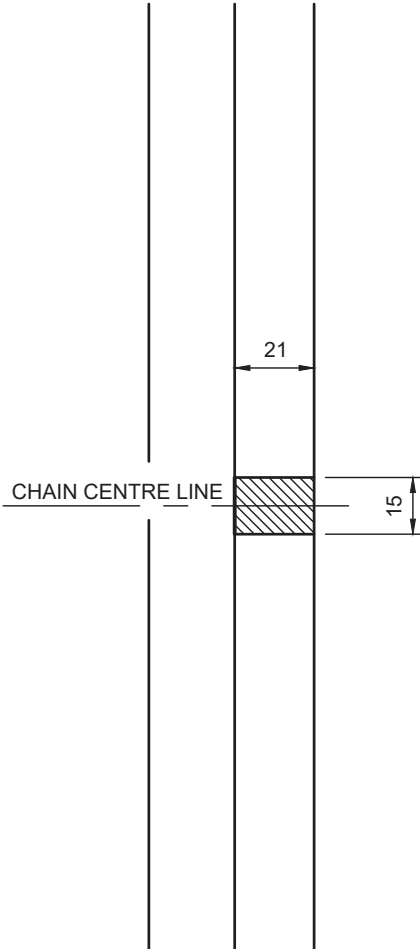


Note: The same winder notch also applies to ASW76, ASW77, 150mm transoms HE541 & HE847

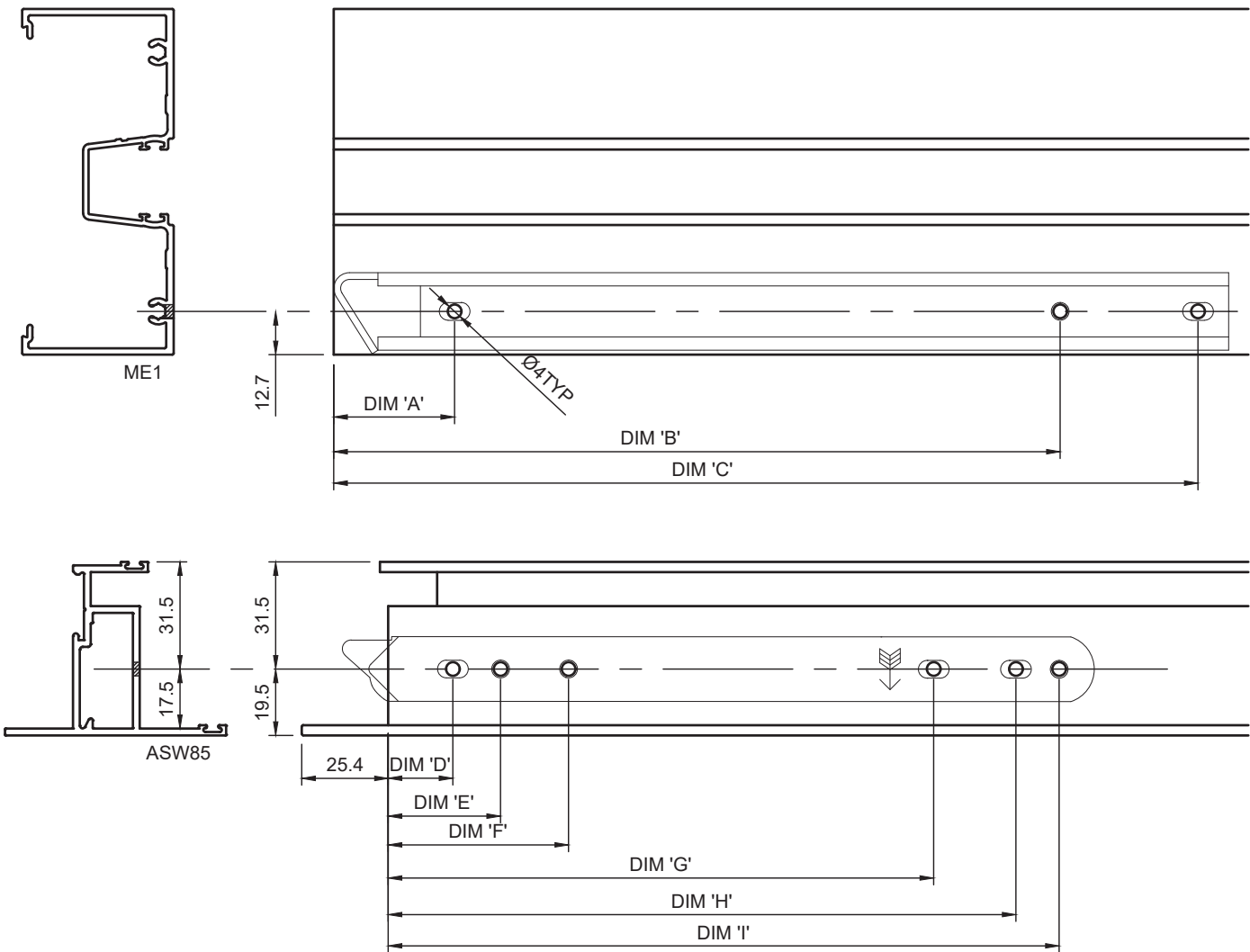
ECO222 ecoFRAMEplus 101.6 Sash Adaptor Chain Winder Notch



ASW49 Concealed Winder Base Preparation



Casement Stay Machining for Alspec Stays - All Framing

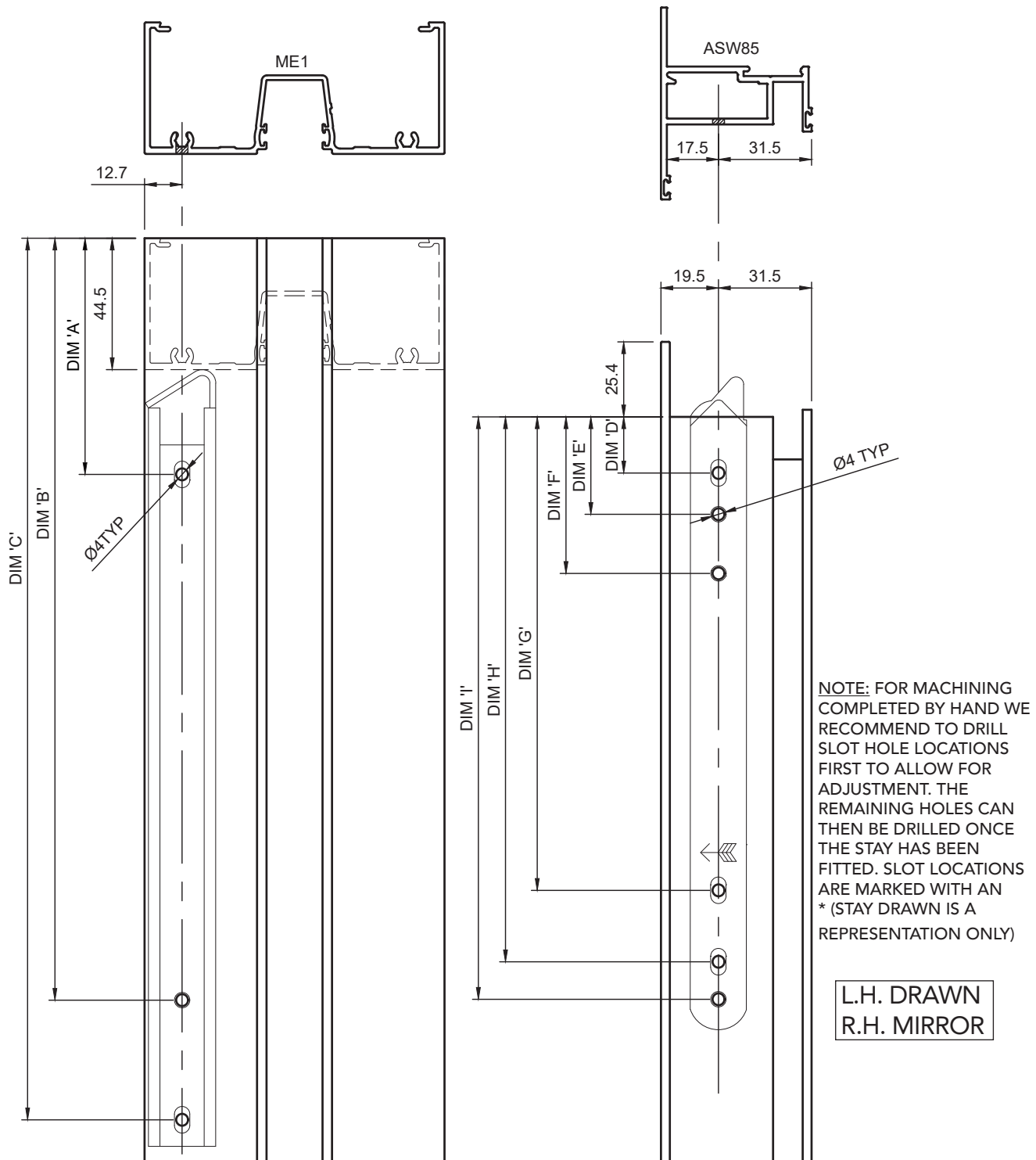


NOTE: FOR MACHINING COMPLETED BY HAND WE RECOMMEND TO DRILL SLOT HOLE LOCATIONS FIRST TO ALLOW FOR ADJUSTMENT. THE REMAINING HOLES CAN THEN BE DRILLED ONCE THE STAY HAS BEEN FITTED. SLOT LOCATIONS ARE MARKED WITH AN * (STAY DRAWN IS A REPRESENTATION ONLY)

L.H. DRAWN
R.H. MIRROR

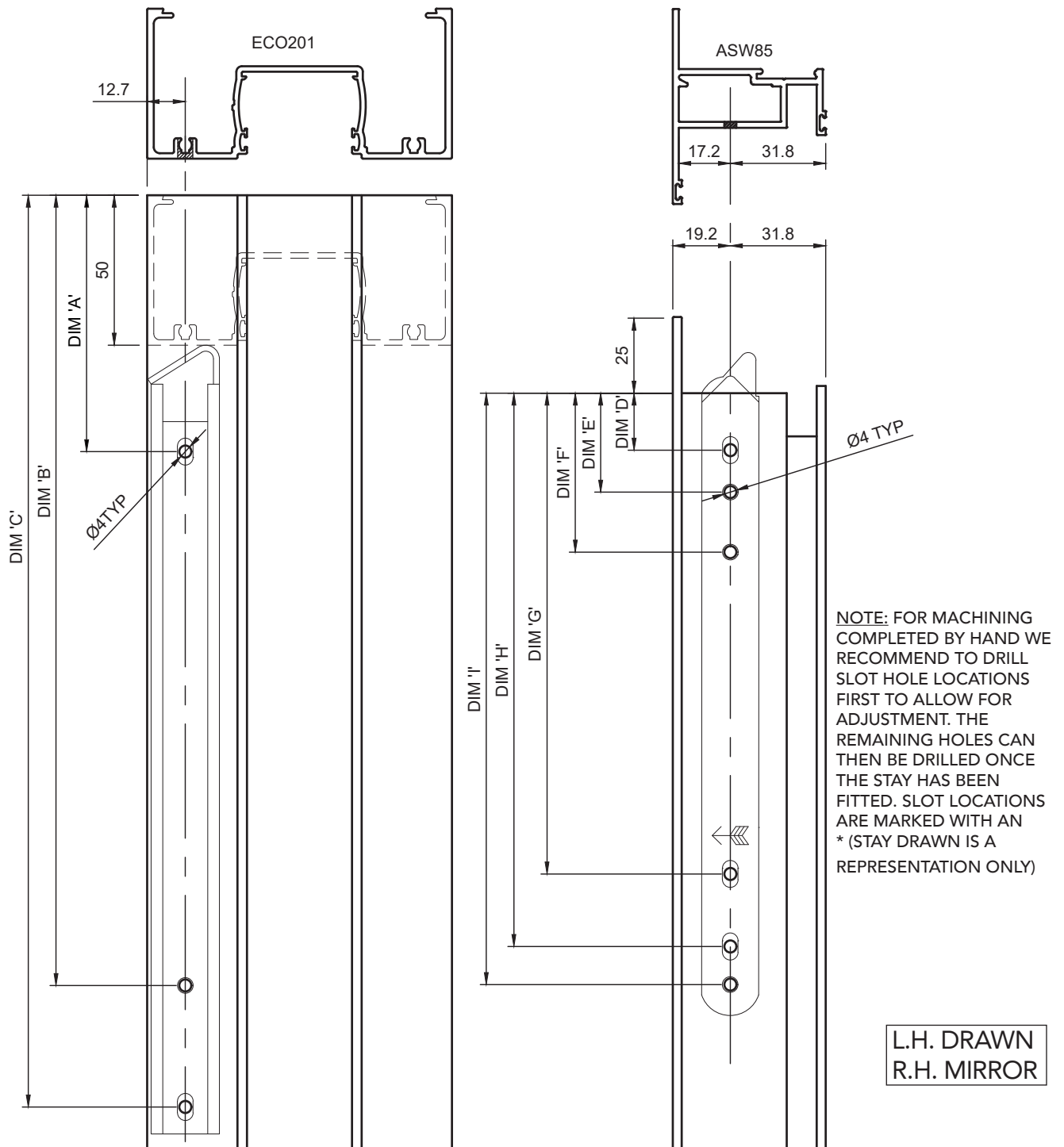
					FRAME HOLES				SASH HOLES				
STAY		CAVITY	MAX KG		DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'	DIM 'H'	DIM 'I'
CASEMENT	1377943	AS10HD 263mm	16mm	34.4kg	35.5*	213.5	254*	19*	33	53	184.5*	197.2	-
	1377944	AS16HD 414mm	16mm	37kg	35.5*	339.5	406.5*	21.5*	34	85	261.5*	275.2	-
	1377945	AS22HD 567mm	16mm	42kg	35.5*	453.5	558.5*	21.5*	34	85	185	337*	350.7

Awning Stay Machining for Alspec Stay in McArthur Evo



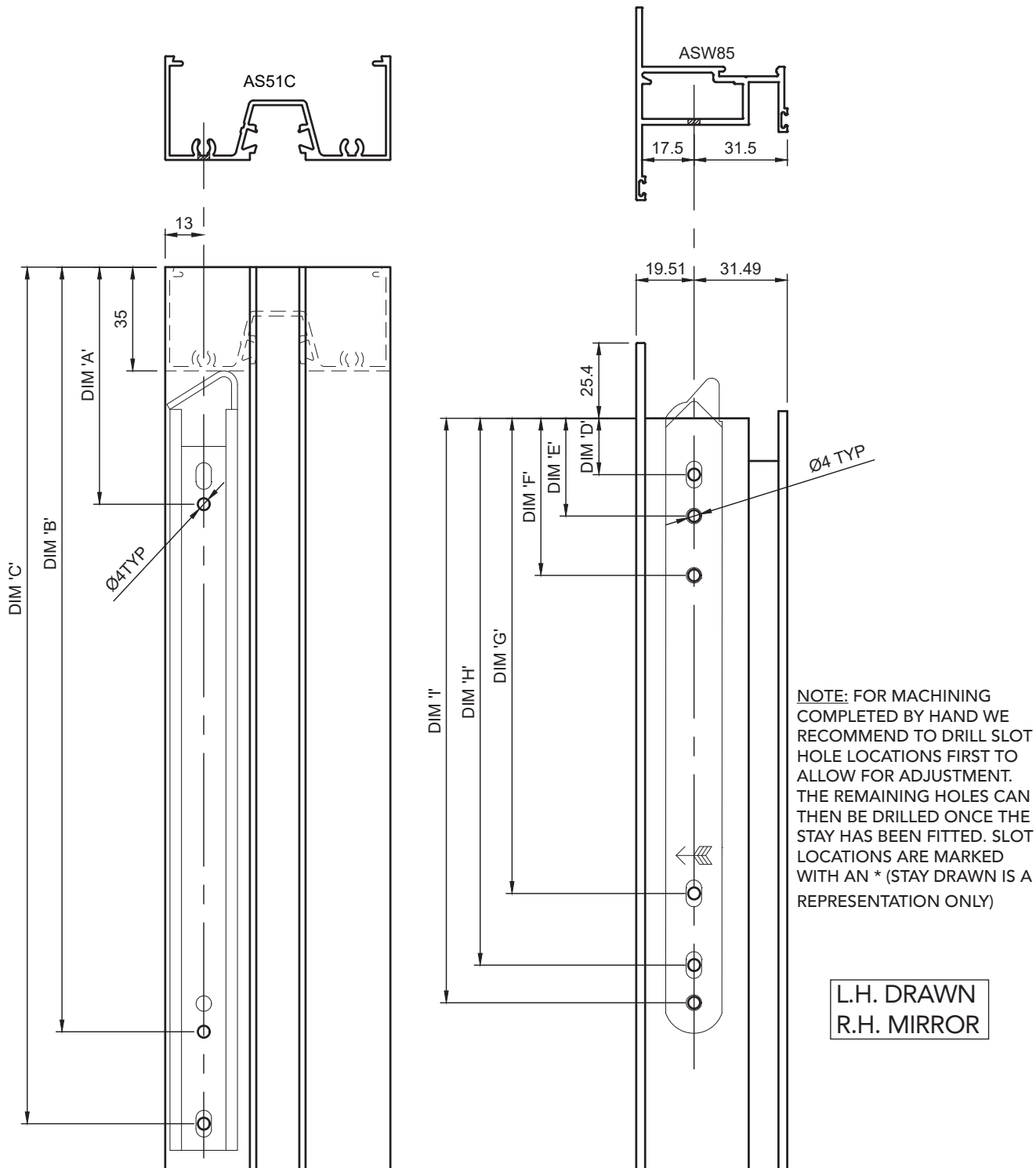
					FRAME HOLES				SASH HOLES				
		STAY	CAVITY	MAX KG	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'	DIM 'H'	DIM 'I'
AWNING	1377943	AS10HD 263mm	16mm	50kg	80*	248	298.5*	19*	33	53	184.5*	197.2	-
	1377944	AS16HD 414mm	16mm	63kg	80*	384	451*	21.5*	34	85	261.5*	275.2	-
	1377945	AS22HD 567mm	16mm	74kg	80*	498	603	21.5*	34	85	185	337*	350.7
	1377946	AS26HD 683mm	17mm	90kg	80*	664.5*	716.5*	18*	32	83	317*	438.5	451

Awning Stay Machining for Alspec Stays in ecoFRAMEplus & Hunter Evo

NOTE: SAME MACHINING DETAILS USED FOR HUNTER EVO

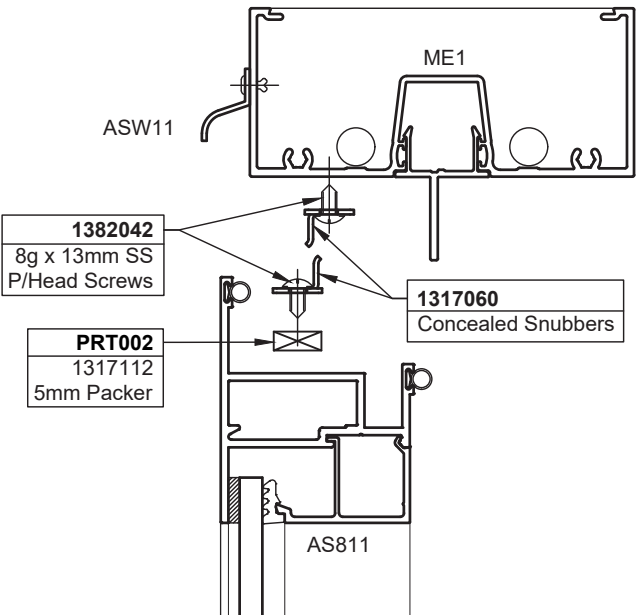
					FRAME HOLES				SASH HOLES				
STAY		CAVITY	MAX KG		DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'	DIM 'H'	DIM 'I'
AWNING	1377943	AS10HD 263mm	16mm	50kg	85.5*	263.5	304*	19*	33	53	184.5*	197.2	-
	1377944	AS16HD 414mm	16mm	63kg	85.5*	389.5	456.5*	21.5*	34	85	261.5*	275.2	-
	1377945	AS22HD 567mm	16mm	74kg	85.5*	503.5	603*	21.5*	34	85	185	337*	350.7
	1377946	AS26HD 683mm	17mm	90kg	85.5*	670	722*	18*	32	83	317*	438.5	451

Awning Stay Machining for Alspec Stays in Derwent



					FRAME HOLES				SASH HOLES				
STAY		CAVITY	MAX KG		DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'	DIM 'H'	DIM 'I'
AWNING	1377943	AS10HD 263mm	16mm	50kg	70.5*	248.5	289*	19*	33	53	184.5*	197.2	-
	1377944	AS16HD 414mm	16mm	63kg	70.5*	374.5	441.5*	21.5*	34	85	261.5*	275.2	-
	1377945	AS22HD 567mm	16mm	74kg	70.5*	448.5	593.5*	21.5*	34	85	185	337*	350.7
	1377946	AS26HD 683mm	17mm	90kg	70.5*	655	707*	18*	32	83	317*	438.5	451

Snubber Assembly Details - McArthur Evo and McArthur



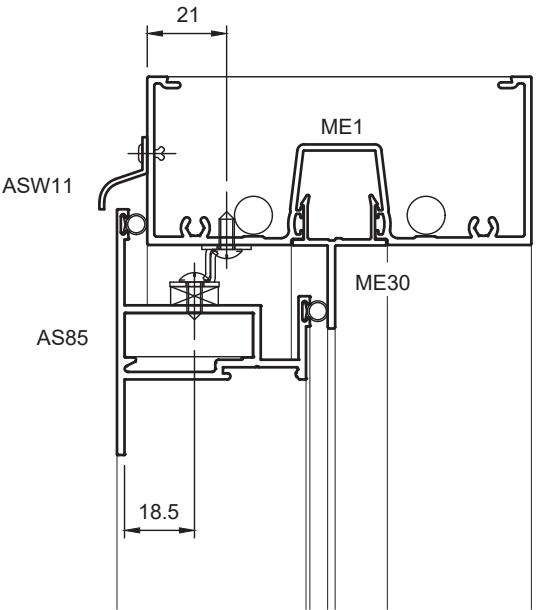
AWNING WINDOWS

Snubbers are required for Awning windows greater than 900mm wide. To be installed between the head & the sash, in the middle.

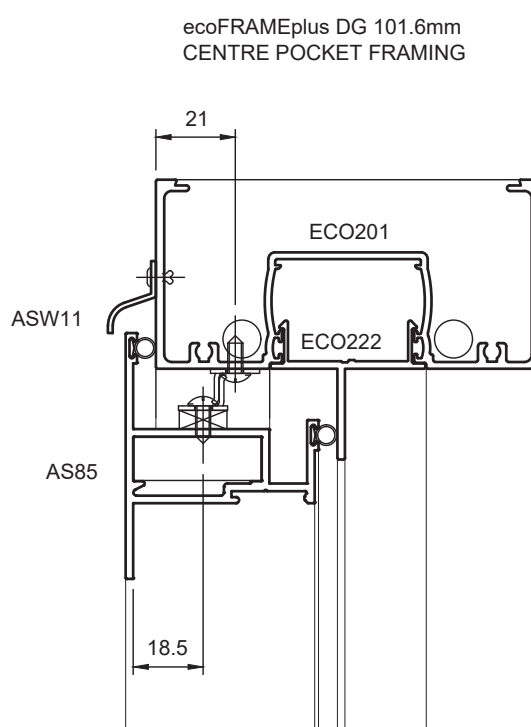
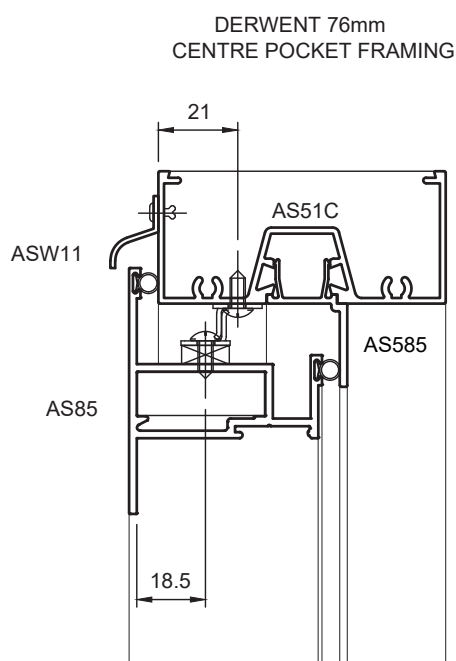
CASEMENT WINDOWS

Snubbers are required for Casement windows greater than 1300mm high. To be installed between the jamb and sash, on the hinged side.

McARTHUR EVO 101.6mm
CENTRE POCKET FRAMING

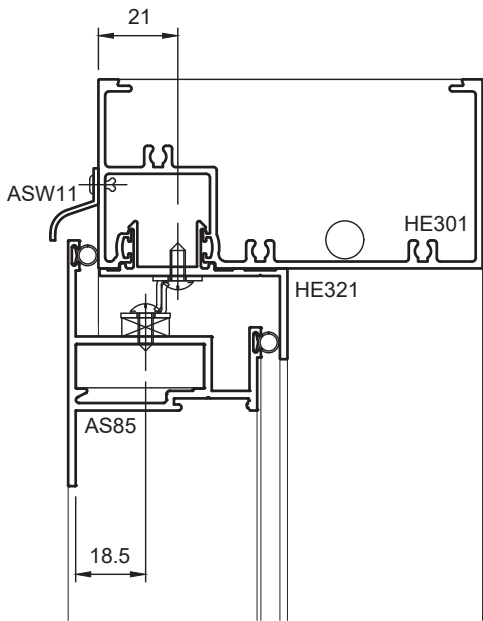


Snubber Assembly Details - Derwent and ecoFRAMEplus

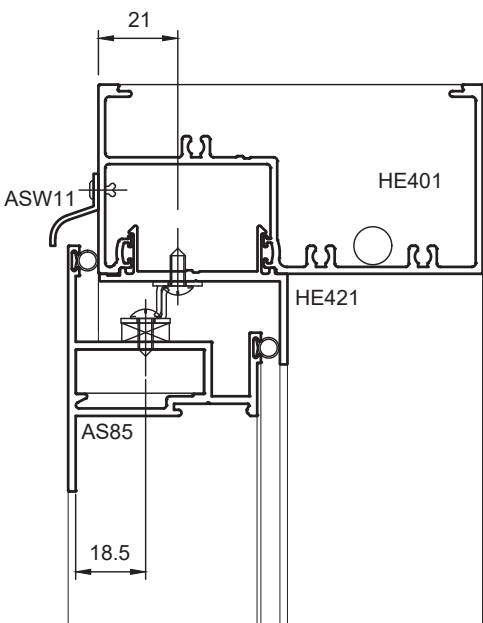


Snubber Assembly Details - Hunter Evo

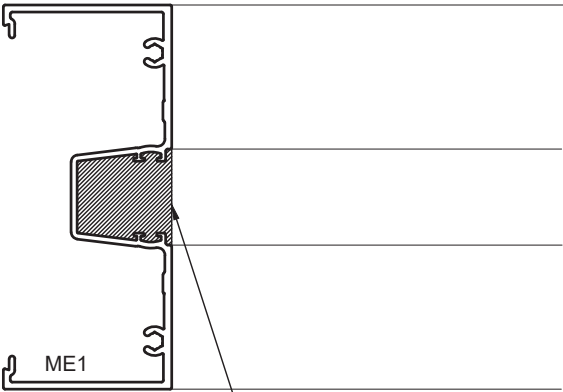
HUNTER EVO SG 101.6mm
FLUSH GLAZED FRAMING



HUNTER EVO DG 101.6mm
FLUSH GLAZED FRAMING



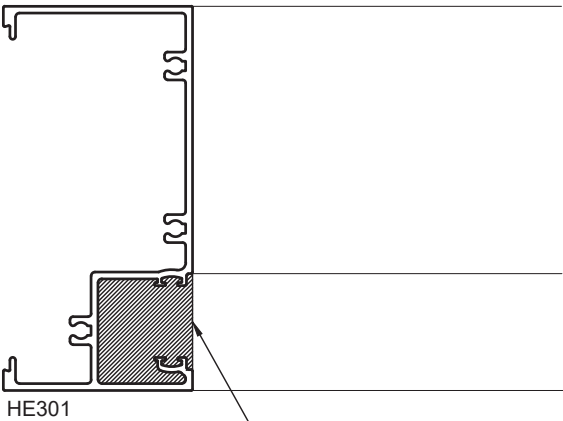
Transom Sealing Detail



McARTHUR DRAIN BLOCK

1385590

SEAL OVER FOAM BLOCK AND TOOL IN TO
ENSURE TOTAL ADHESION



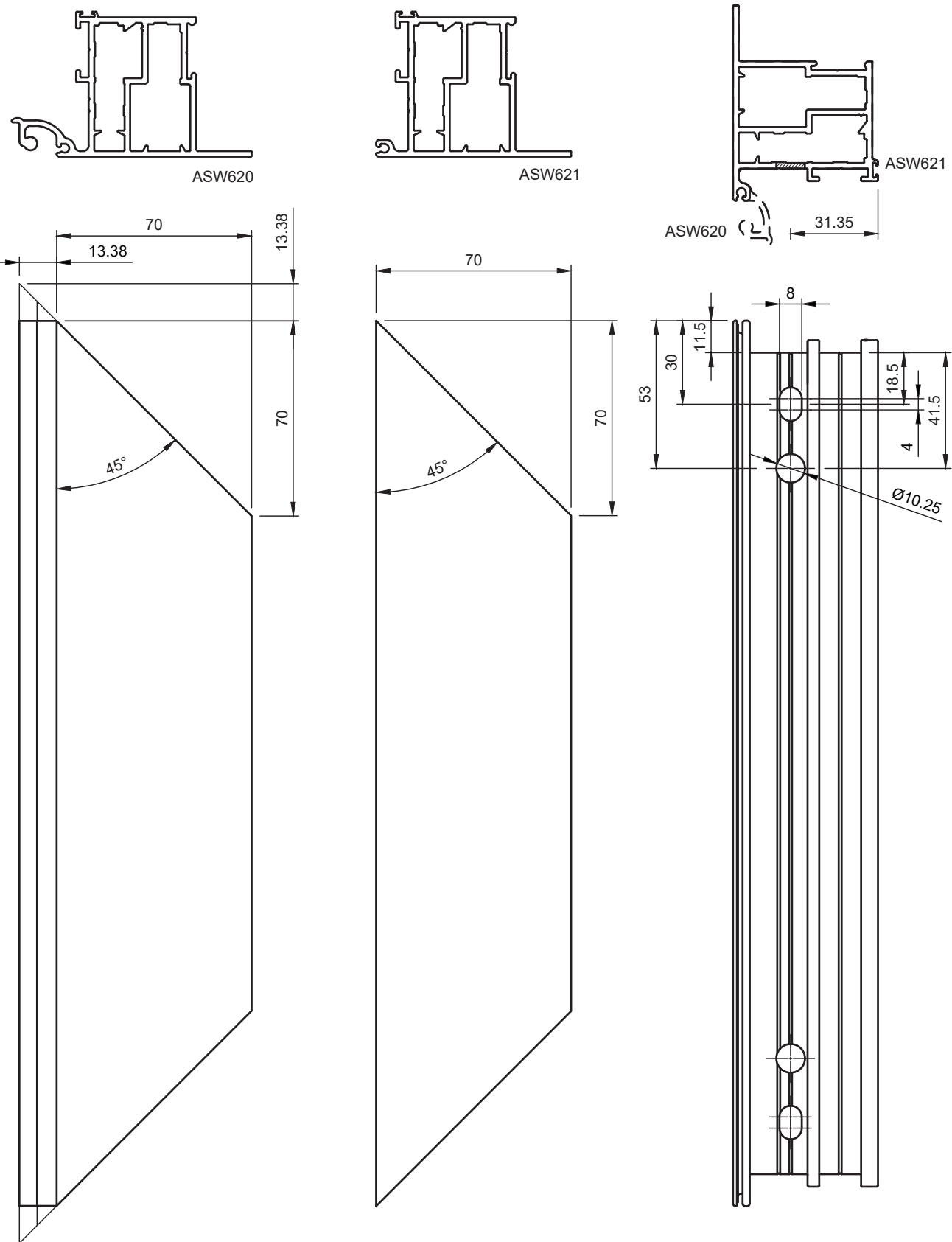
HE001 POCKET STOP

1378178

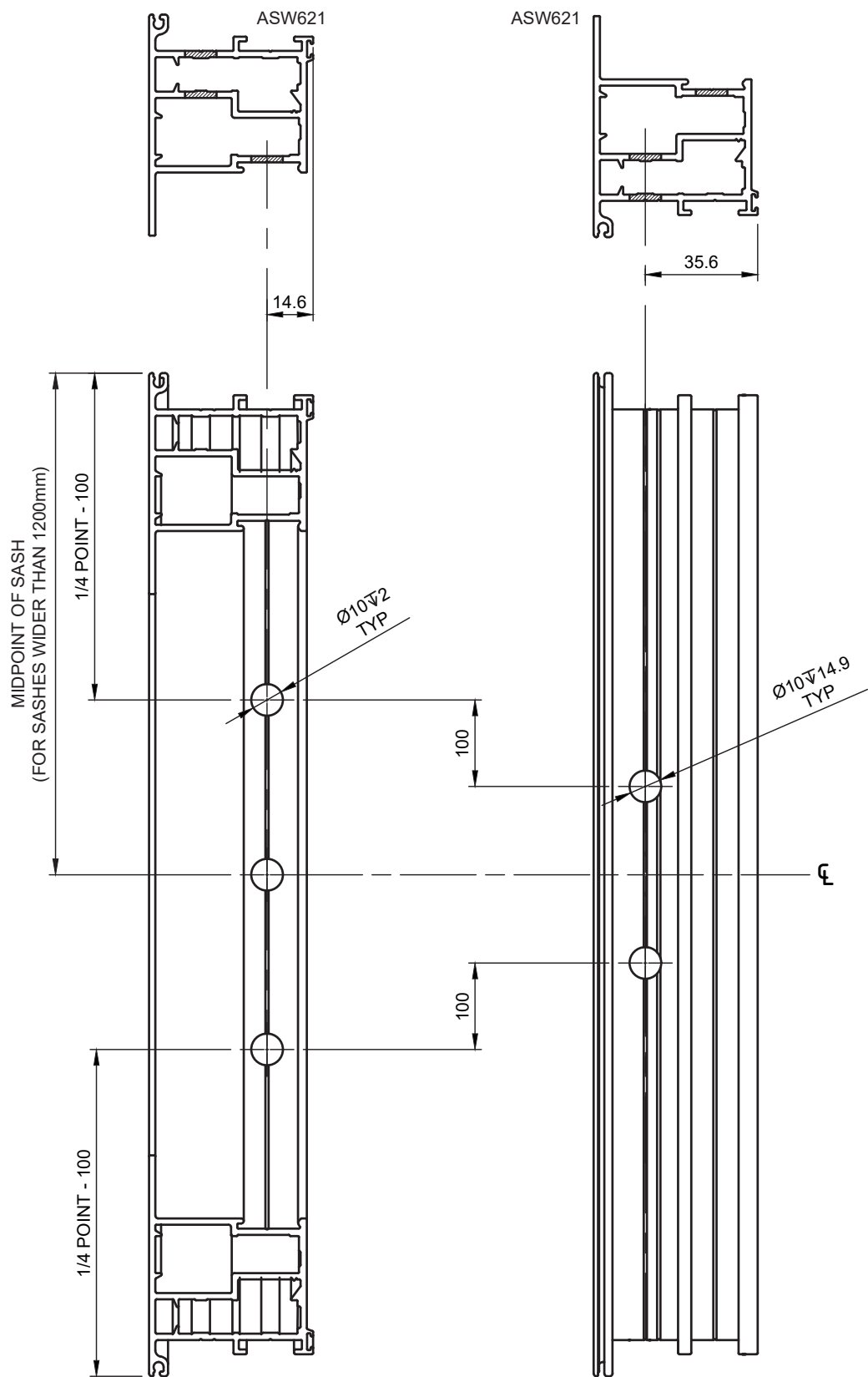
COMPLETELY SEAL GLAZING POCKET AND
TOOL FOR MAXIMUM ADHESION

NOTE: ALSO APPLIES TO ecoFRAMEplus & DOUBLE GLAZED HUNTER EVO

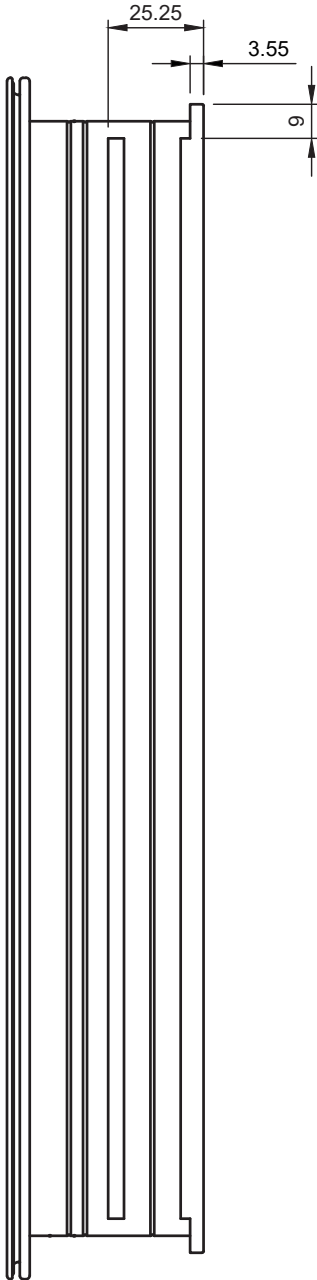
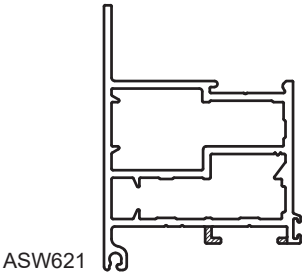
ASW620 & ASW621 Sash Sections - Mitre and Corner Cleat Detail



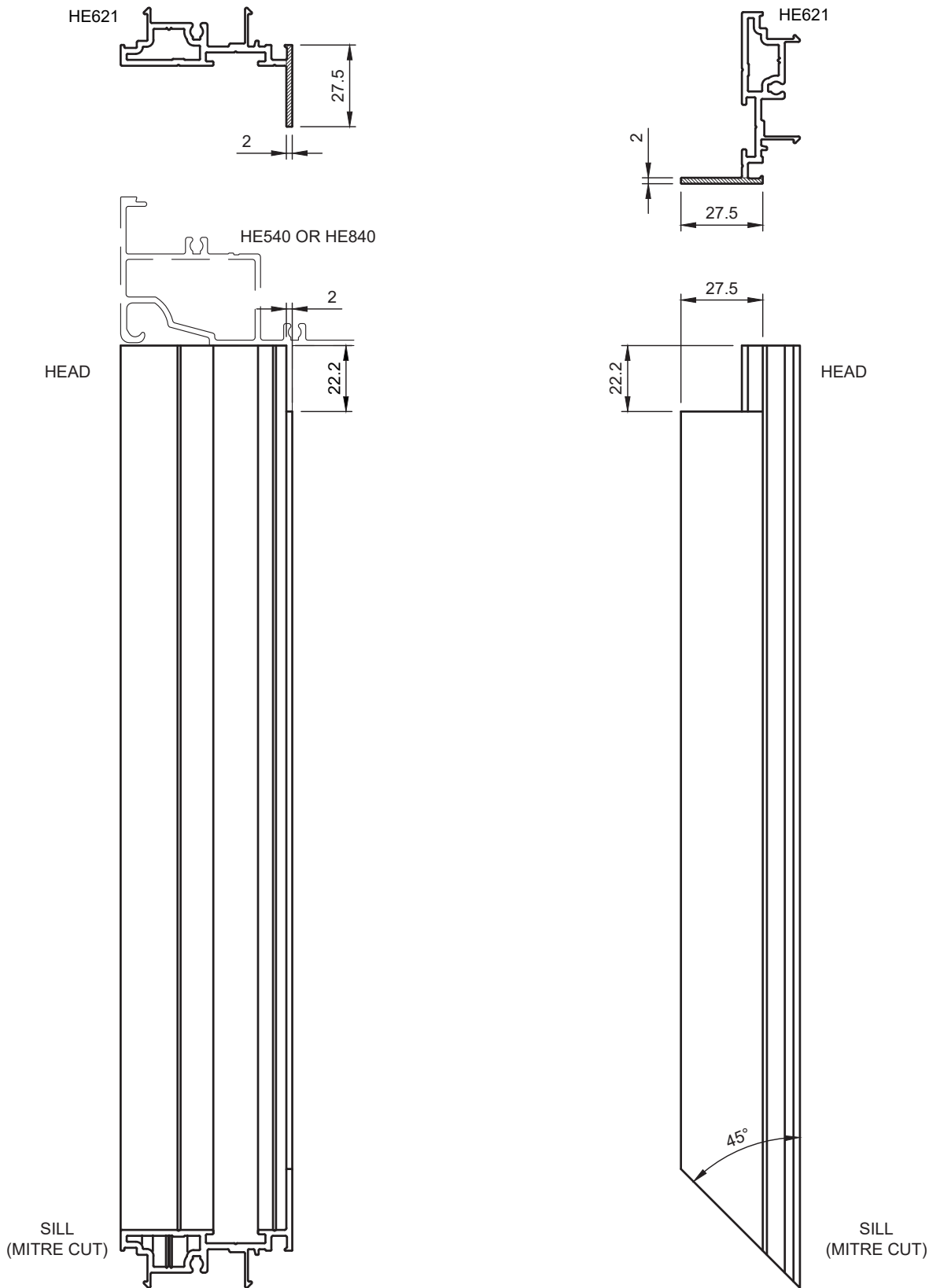
ASW621 Bottom Rail - Drainage Detail



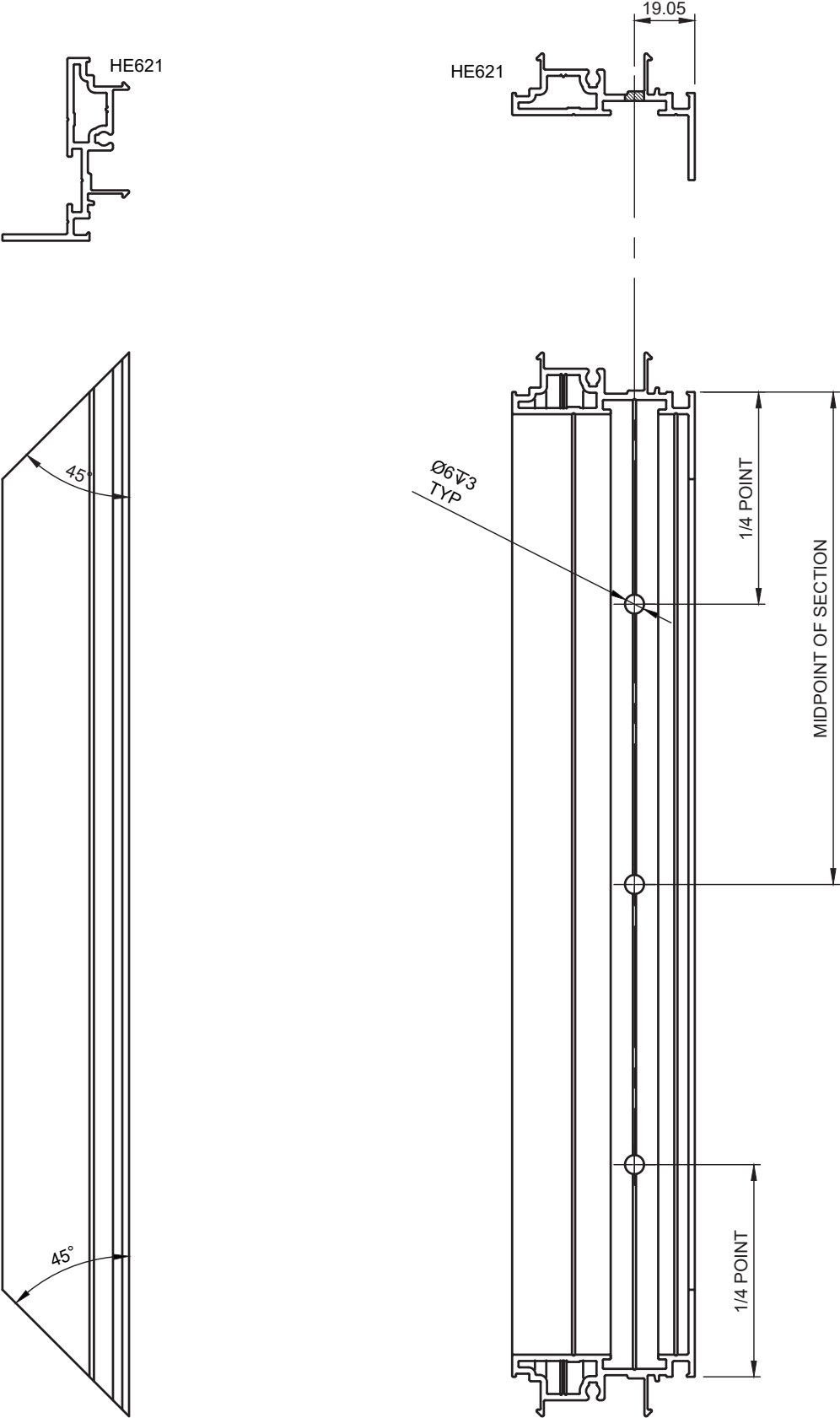
ASW621 Sash Selection - Corner Cutout Detail



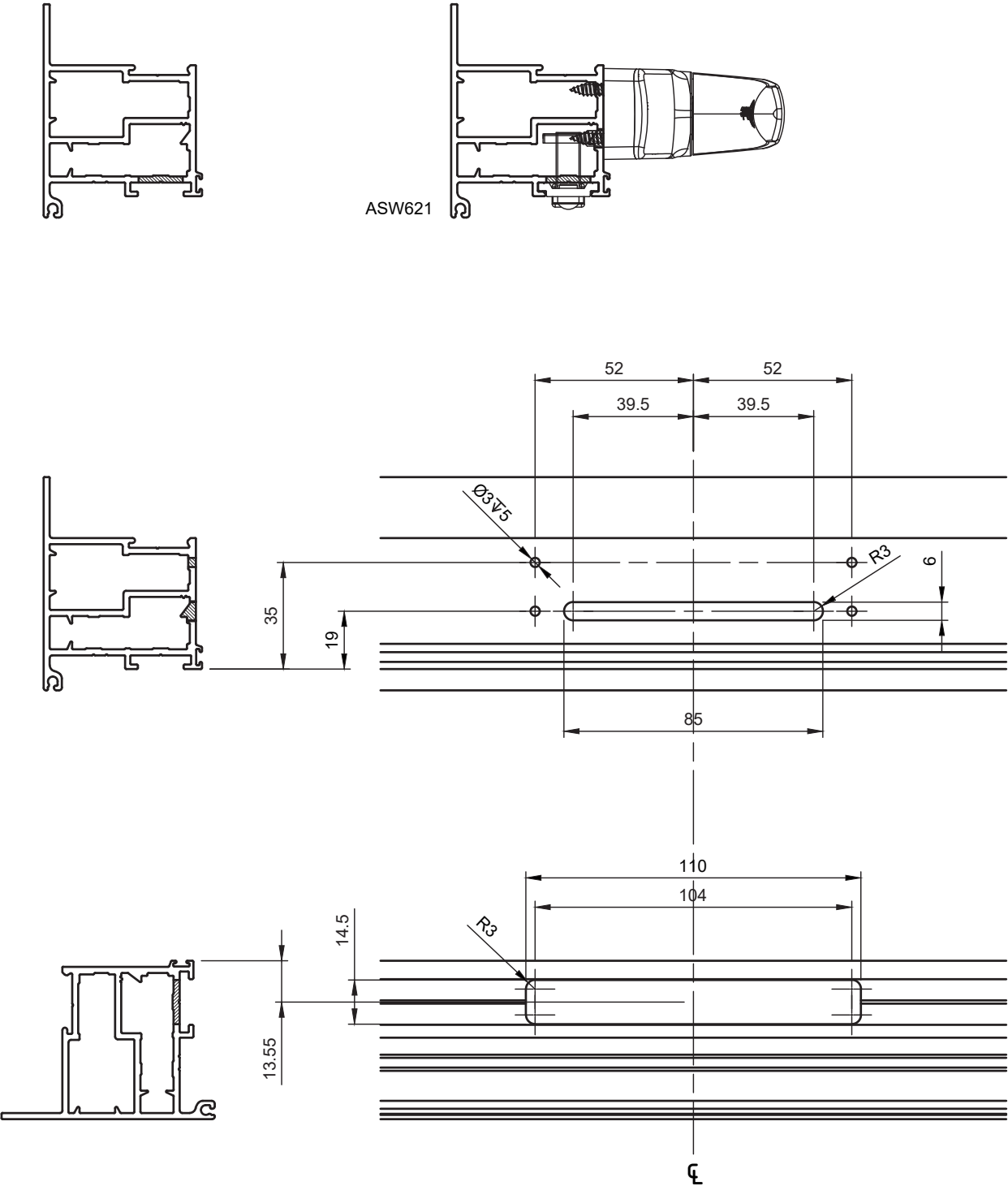
HE621 Frame Adaptor - Jambs



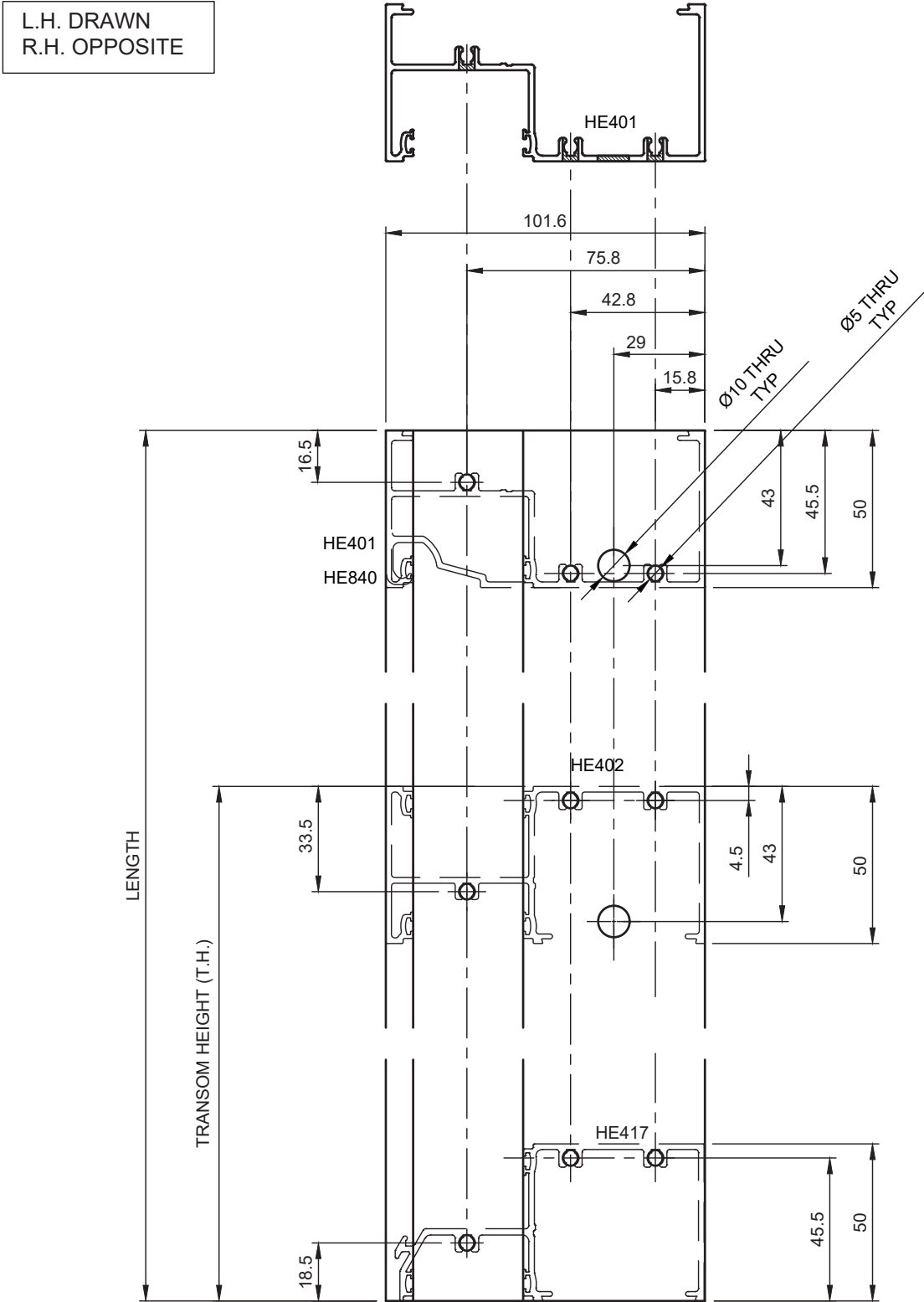
HE621 Frame Adaptor - Sill Mitre and Drainage Detail



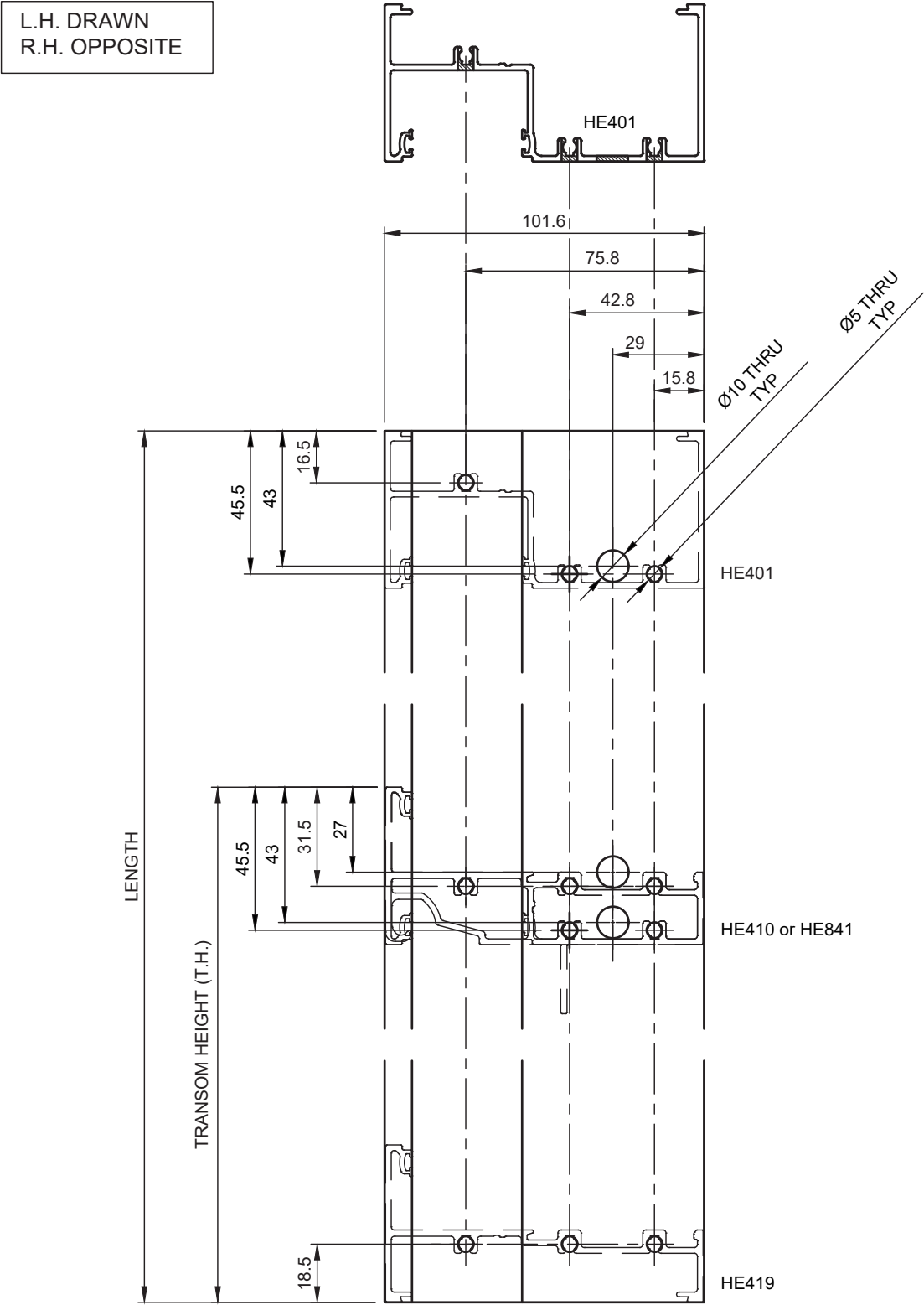
ASW621 Bottom Rail - Handle and Transmission Detail



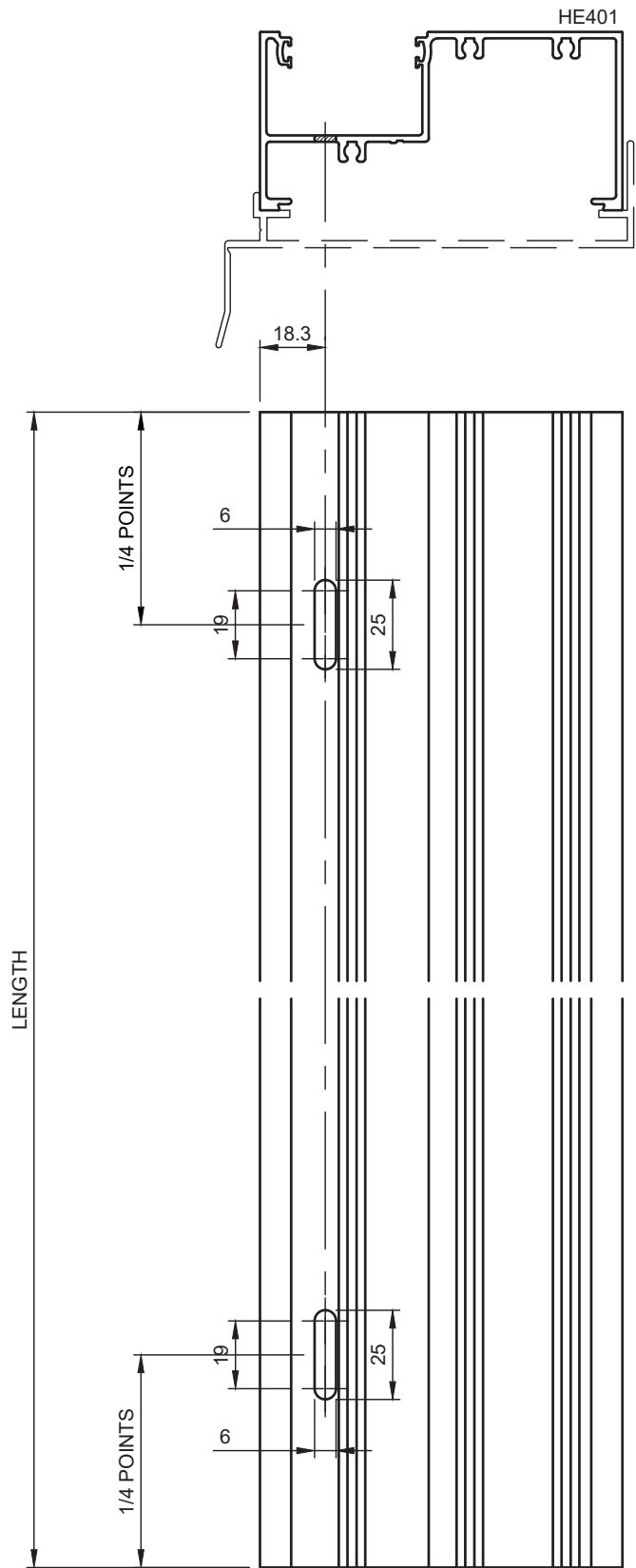
HE401 Jamb - Head, Sill and Transom Low Lite Detail



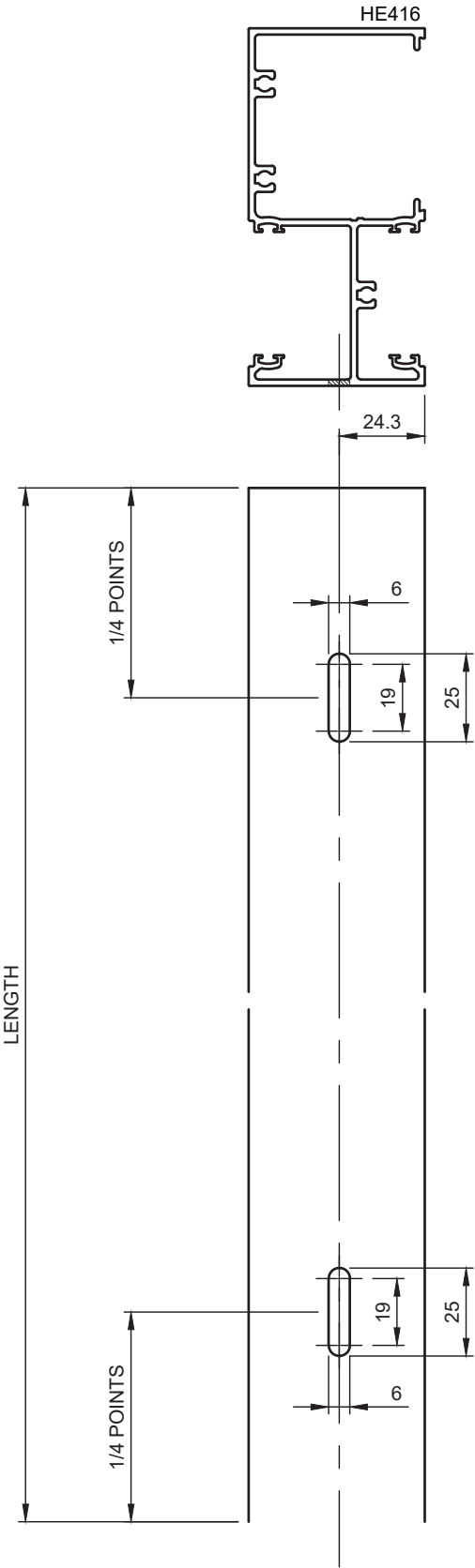
HE401 Jamb - Head, Sill and Transom Hi Lite Detail



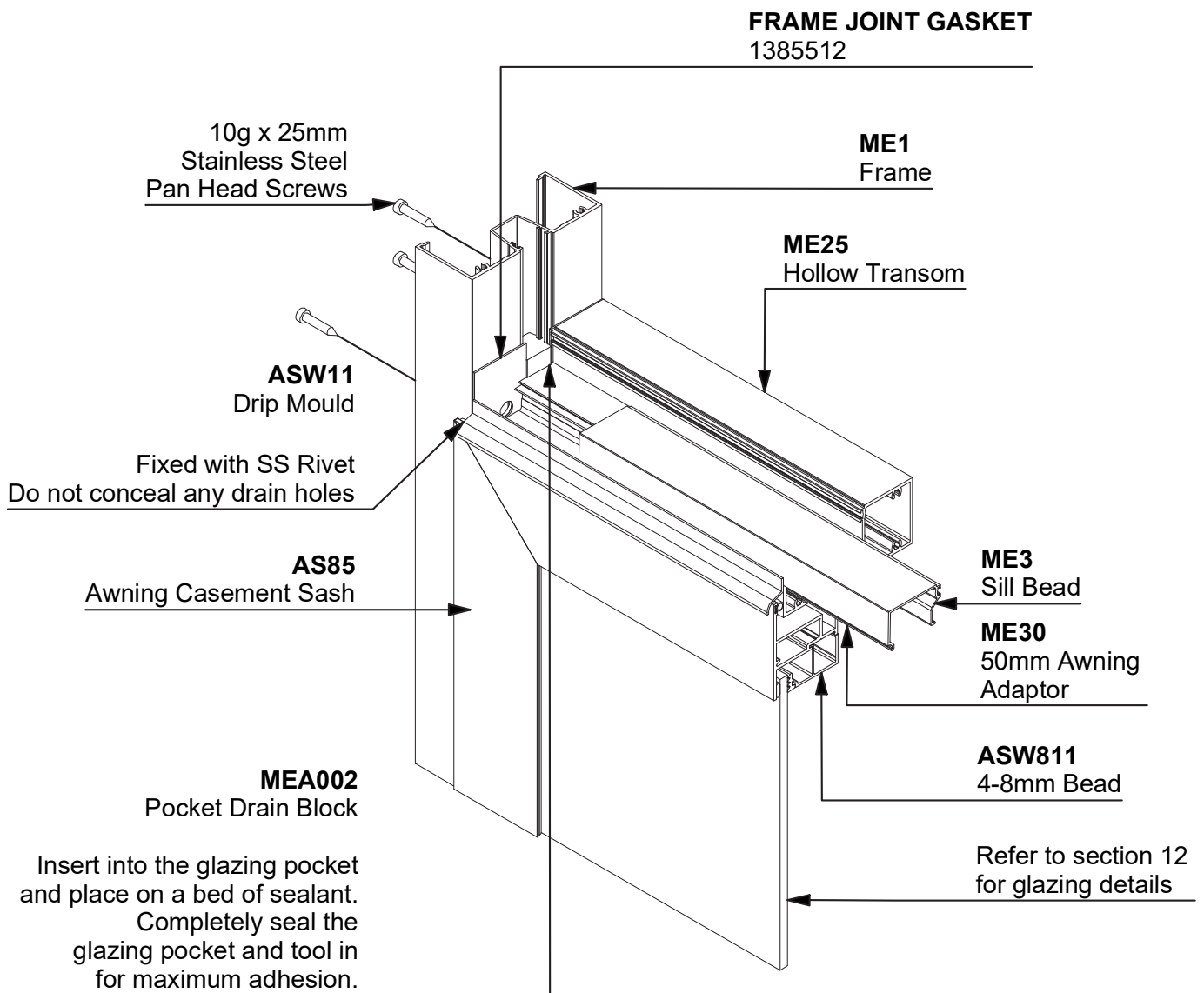
HE401 Sill - Drainage into Sub Sill Detail



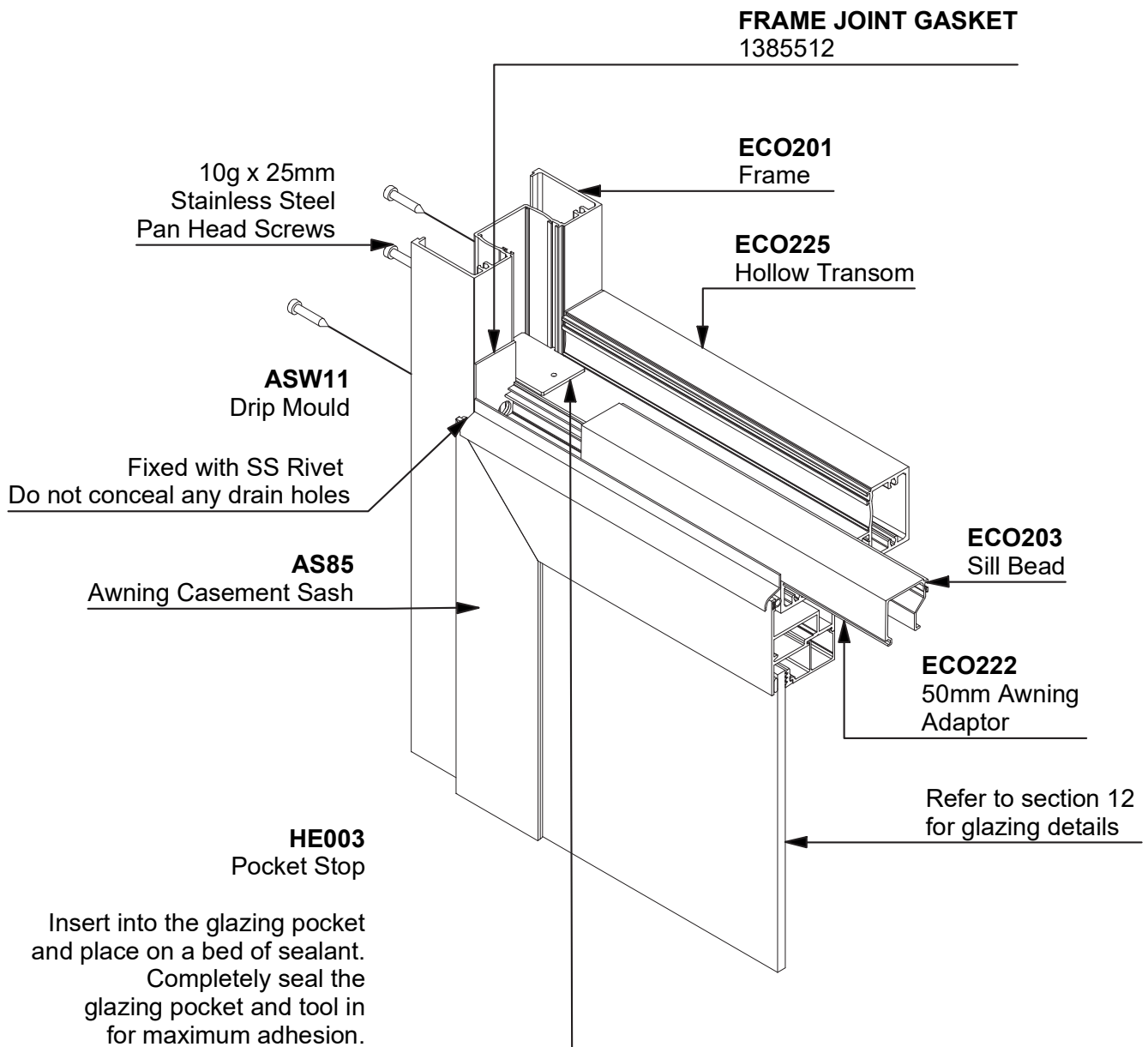
HE416 Transom - Drainage Detail



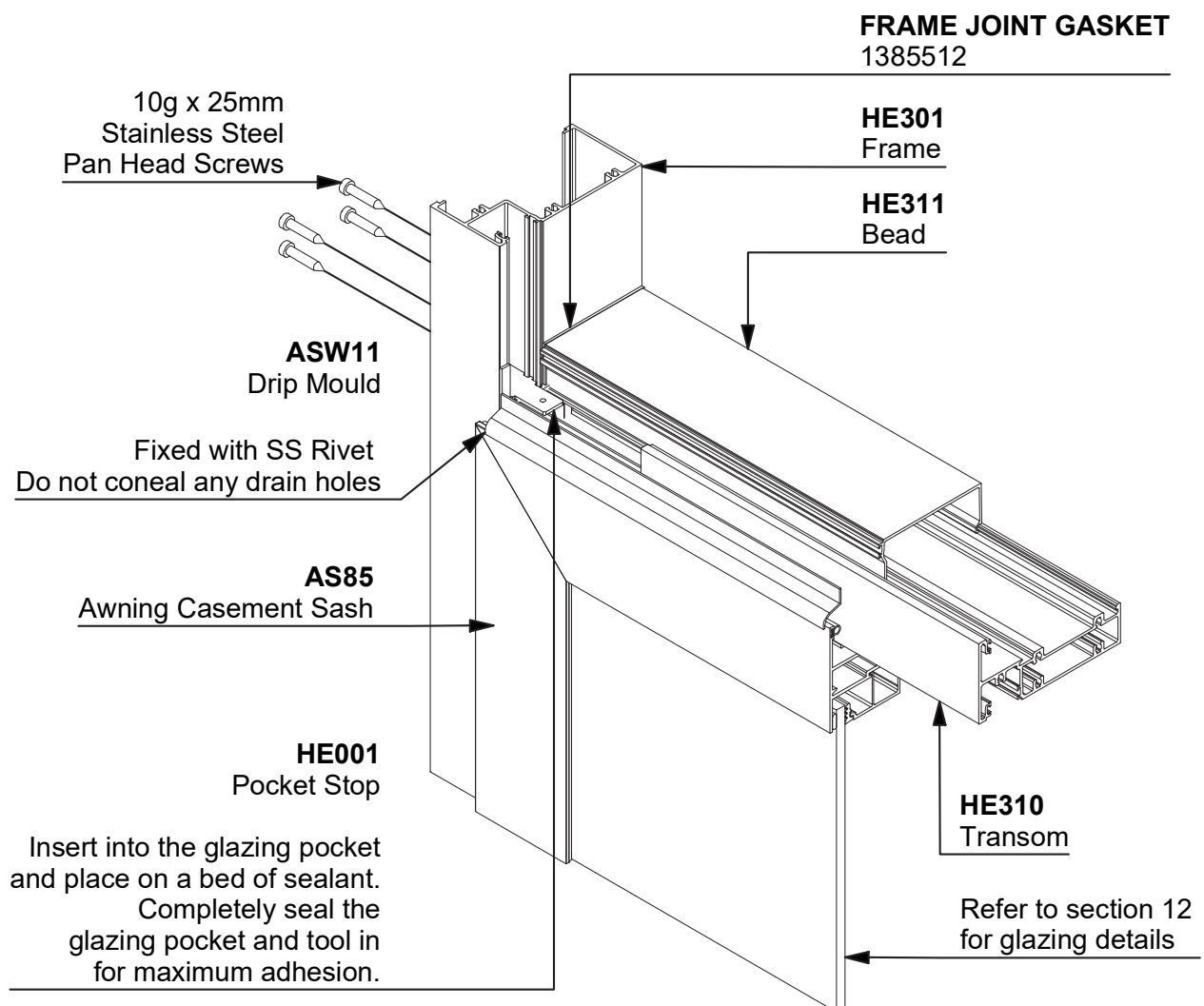
McArthur Evo Framing & Transom Sealing Detail



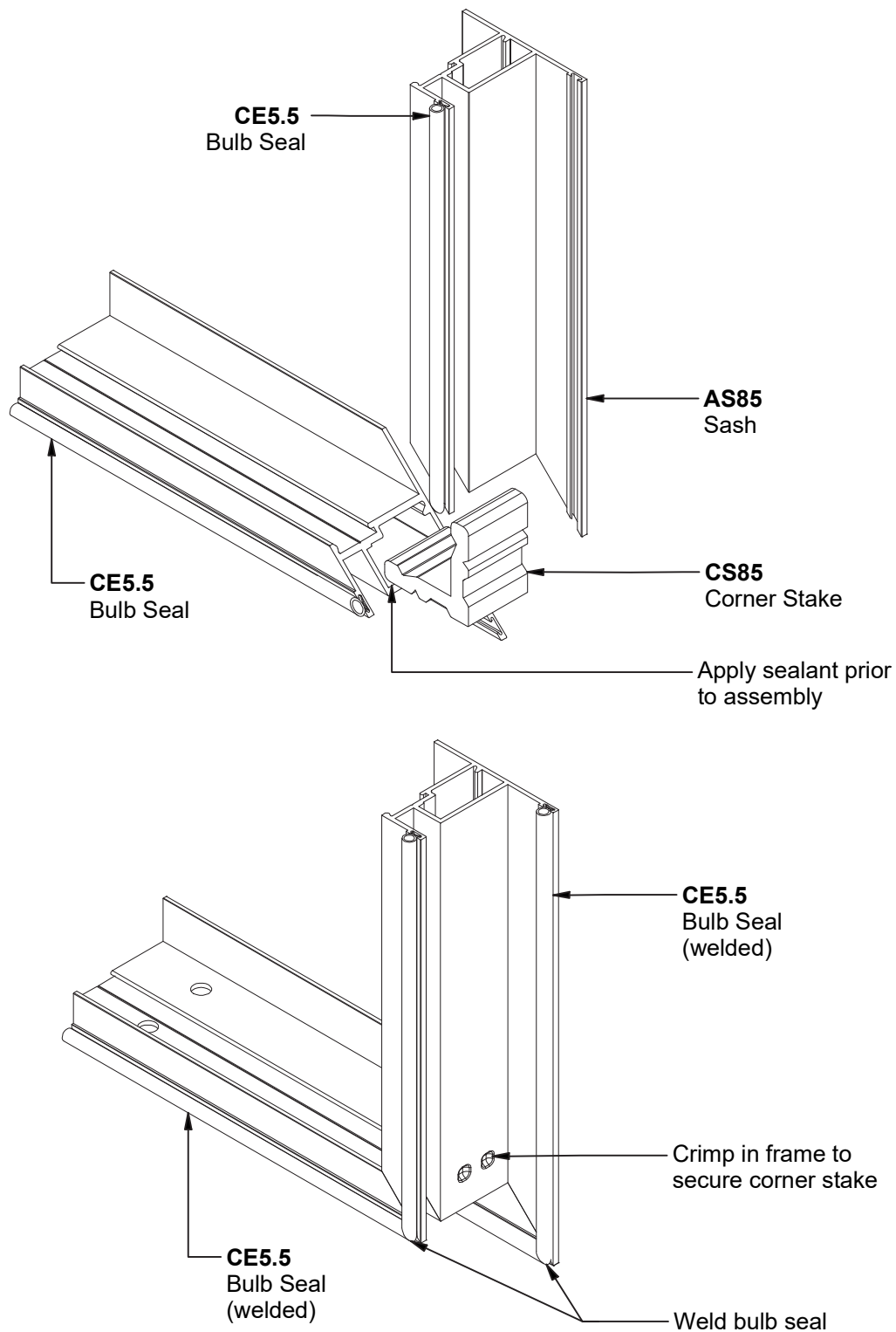
ecoFRAMEplus 101.6mm Framing & Transom Sealing Detail



Hunter Evo Framing & Transom Sealing Detail

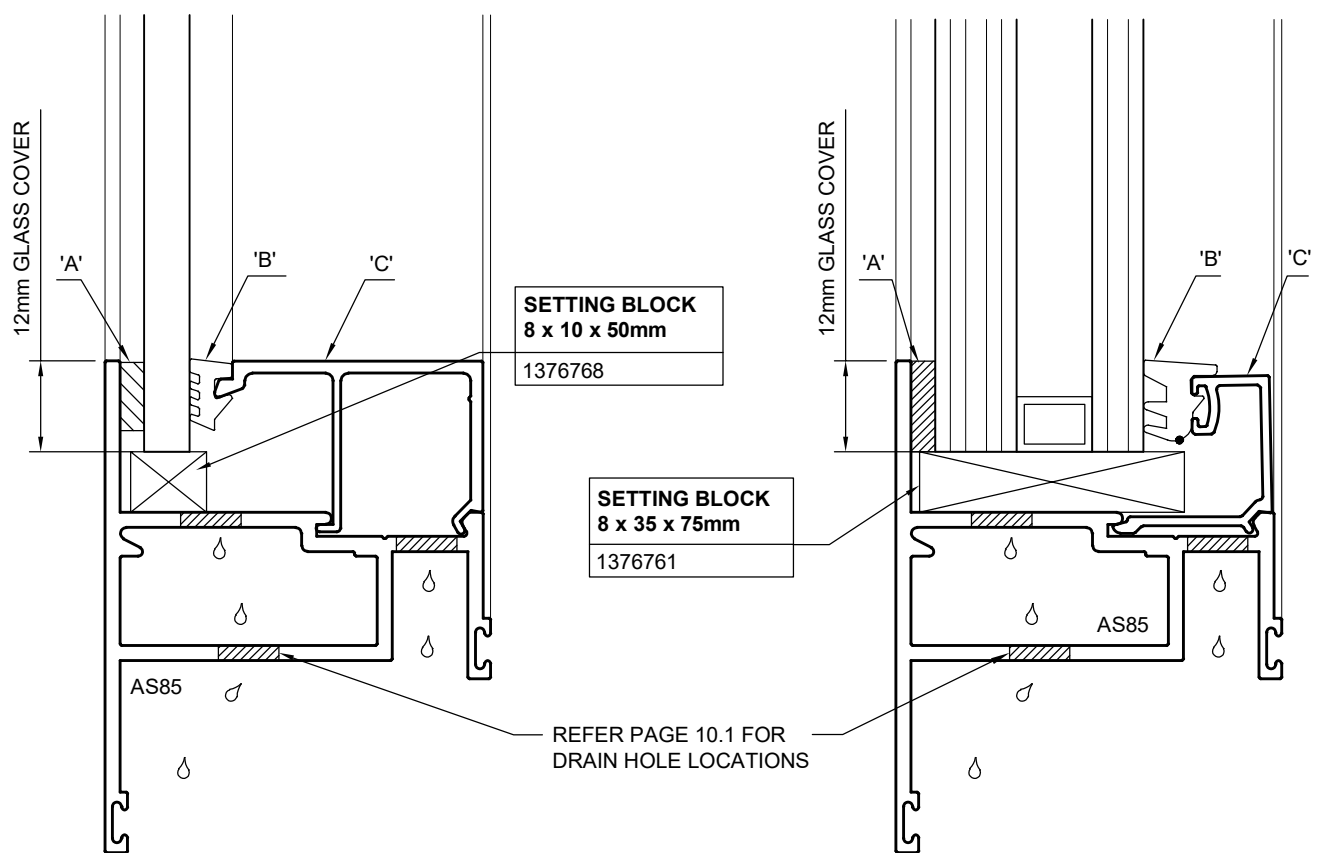


AS85 Sash Corner Assembly



Note: A crimp machine is required to assemble sash

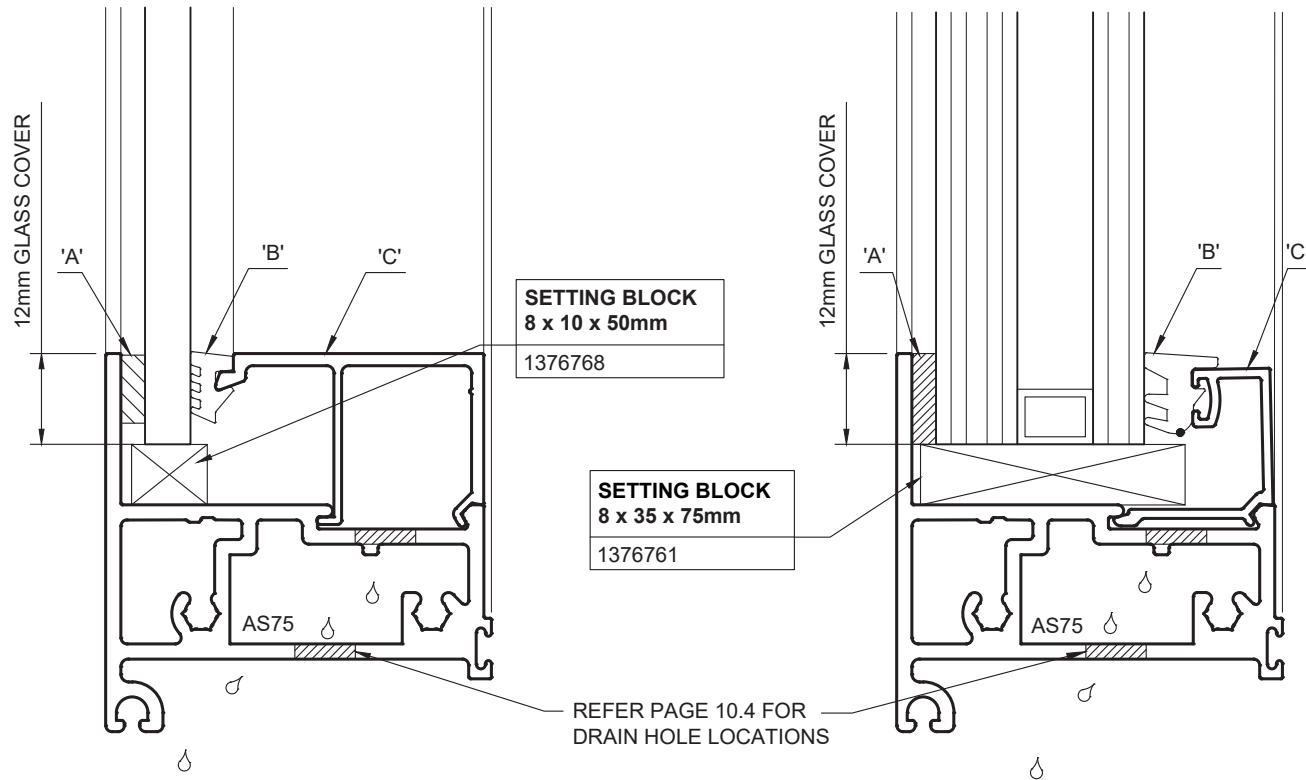
Glazing Details AS85



NOTE: DOUBLE GLAZED DETAIL ALSO SUITS ASW621 SASH
REFER PAGE 12.3 FOR GLASS SETTING BLOCK LOCATIONS

	'A' GLAZING TAPE		'B' GLAZING WEDGE		'C' BEAD
GLASS THICKNESS	REF.	CODE	REF.	CODE	CODE
4mm	6.4 x 12mm	1385506	GR3	1376015	AS811
5mm	4.8 x 12mm	1385577	GR3	1376015	AS811
6 / 6.38mm	3.2 x 12mm	1385549	GR3	1376015	AS811
8 / 8.38mm	3.2 x 12mm	1385549	GR2	1376012	AS811
10 / 10.38mm	3.2 x 12mm	1385549	GR3	1376015	AS814
12 / 12.38mm	3.2 x 12mm	1385549	GR2	1376012	AS814
24 / 25mm	3.2 x 12mm	1385549	GR3	1376015	AS813
28mm	4.8 x 12mm	1385577	GR4	1376021	ASW71
30mm	3.2 x 12mm	1385549	GR3	1376015	ASW71

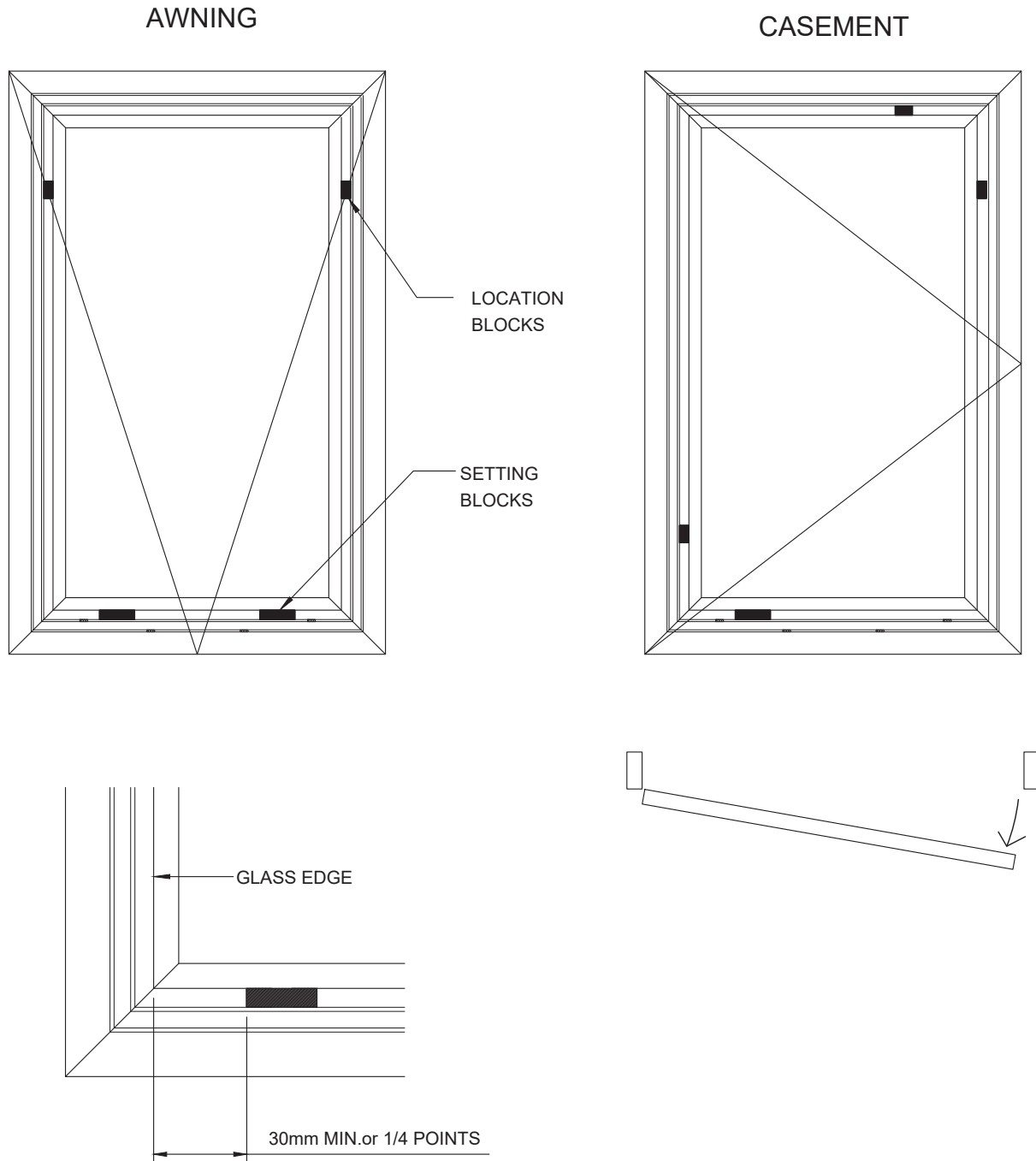
Glazing Details ASW75



NOTE: REFER PAGE 12.3 FOR GLASS SETTING BLOCK LOCATIONS

	'A' GLAZING TAPE		'B' GLAZING WEDGE		'C' BEAD
GLASS THICKNESS	REF.	CODE	REF.	CODE	CODE
4mm	6.4 x 12mm	1385506	GR3	1376015	AS811
5mm	4.8 x 12mm	1385577	GR3	1376015	AS811
6 / 6.38mm	3.2 x 12mm	1385549	GR3	1376015	AS811
8 / 8.38mm	3.2 x 12mm	1385549	GR2	1376012	AS811
10 / 10.38mm	3.2 x 12mm	1385549	GR3	1376015	AS814
12 / 12.38mm	3.2 x 12mm	1385549	GR2	1376012	AS814
24 / 25mm	3.2 x 12mm	1385549	GR3	1376015	AS813
28mm	4.8 x 12mm	1385577	GR4	1376021	ASW71
30mm	3.2 x 12mm	1385549	GR3	1376015	ASW71

Glazing Details - Setting and Location Block Positions



Note:

1. Minimum length of setting blocks shall be 25mm in length for every square meter of glass area, with a minimum length of 50mm.
2. Minimum length of location blocks shall be 25mm.

FRAMING

Your new **50mm Awning and Casement Windows** frames have been manufactured using the highest quality materials available to the Architectural industry. Constructed from Architectural grade aluminium, these products are highly corrosion resistant and exceptionally strong. With a moderate amount of maintenance, the **50mm Awning and Casement Windows** frame will retain it's good looks and resist the elements for years to come.

The **50mm Awning and Casement Windows** frames are the product of extensive research and development and designed to resist corrosion and rusting, but as with all external elements on the building require some maintenance to keep them looking good and performing well. Depending on how harsh the environment elements are, the maintenance period will vary. Refer to recommended maintenance table below.

Your **50mm Awning and Casement Windows** frames should only ever need to be washed down with a soft bristled brush using warm water and mild detergent. Rinse well with fresh water and remove any detergent residue. Strong detergents and abrasive cleaners should never be used to clean the **50mm Awning and Casement Windows** frames as they may scratch or damage the surface finish.

MAINTENANCE PERIOD TABLE

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

Environmental Definitions:

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

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

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

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