

The image is a composite of two photographs of a modern building facade. The top photograph shows a close-up of the upper floors, featuring a grid of large glass windows with dark frames. Vertical, light-colored metallic fins are attached to the exterior of the glass panels. The bottom photograph shows a wider view of the building's ground floor, which has large glass windows and a small tree in the foreground. The sky is blue with some clouds.

Hunter Evo

Curtain Wall

Hunter Evo

150mm Curtain Wall

Technical Manual
February 2024 | ISSUE B

alspec[®]
EVERYTHING ALUMINIUM
& HARDWARE

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Contents

1. TECHNICAL MANUAL RELEASE NOTES	1.1
2. TECHNICAL SPECIFICATIONS	2.1
3. LOADING TABLES	3.1
Loading Table Guide	3.1
Transoms	3.2
Mullion Combination	3.3
4. TEST SUMMARY	4.1
AS4284 - 9 Panels	4.1
AS4284 - 9 Panels	4.2
5. EXTRUSIONS	5.1
6. HARDWARE & COMPONENTS	6.1
Seals	6.1
Accessories	6.1
Glazing Wedges	6.1
Fasteners	6.2
Silicone	6.3
Silicone Product Codes	6.4
7. TYPICAL ELEVATION	7.1
8. TYPICAL DETAILS	8.1
Typical Head Detail	8.1
Typical Transom Detail	8.2
Typical Stack Joint Detail	8.3
Typical Sill Detail	8.4
Typical Structural Bracket Detail	8.5
Typical LH Vision Starter Jamb Detail	8.6
Typical Vision Mullion Detail	8.7
Typical RH Vision Closer Jamb Detail	8.8
Typical LH Spandrel Starter Jamb Detail	8.9
Typical Spandrel Mullion / Bracket Detail	8.10
Typical RH Spandrel Starter Jamb Detail	8.11
10. MANUFACTURING DETAILS	10.1
Stack Sill Preparation S-01	10.1
Male Mullion Preparation MM-01	10.2
Male Mullion Preparation with Transom MM-02	10.4
Male Mullion Preparation MM-03	10.6
Male Mullion Preparation MM-04	10.8
Female Mullion Preparation FM-01	10.10

Female Mullion Preparation FM-02	10.12
Stack Head Preparation H-01	10.14
Sub Head Preparation SH-01	10.16
Sill / Transom Bead Preparation B-01	10.18
Head Bead Preparation B-02	10.19
Left Starter Mullion Preparation SM-01	10.20
Right Starter Mullion Preparation SM-03	10.22
Single Glaze Adaptor SGA-01	10.24
Transom Drainage Preparation TD-01	10.25
Stack End Plate - Left Hand SP-01	10.26
Stack End Plate - Right Hand SP-02	10.27
Starter Stack - Left Hand SP-03	10.28
Starter Stack - Right Hand SP-04	10.29
Panel Splice Bed SP-05	10.30
Panel Joint Flashing SP-06	10.31
Cut Panel Splice Bed SP-07	10.32
Right Hand Starter Bracket SP-08	10.33
Structural Splice SP-09	10.34
Sub Sill Splice at Fixings SP-10	10.35
Cut Panel Splice Bed - SP-11	10.36
11. ASSEMBLY DETAILS	11.1
AD-01 Detail	11.1
AD-04 Detail	11.3
12. GLAZING DETAILS	12.1
13. CARE & MAINTENANCE	13.1



2. Technical Specifications

ALUMINIUM

Aluminium frames should be manufactured using Alspec's **HUNTER EVO 150mm CURTAIN WALL** system.

Refer to wind load tables for maximum panel heights and widths.

GLAZING

- Minimum glass thickness is 6mm
- Maximum glass thickness is 30mm
- Alspec's **HUNTER EVO 150mm CURTAIN WALL** is to be silicone glazed only, refer to page 12.1.

HARDWARE

- All other hardware as per Alspec Technical Manual.

FINISHES

- All powder coated material shall be produced to AS3715.
- All anodised material shall be produced to AS1231.

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) or AS4666 (Insulated Glass Units).

Fabricators of the HUNTER EVO 150mm CURTAIN WALL 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.



3. Loading Tables

Loading Table Guide

The following pages contain wind pressure tables that may be used as a guide to the suitability of Alspec Aluminium Systems framing for various wind loads and frame sizes.

In most situations the Design Wind Pressure for a particular building should be available from the building designer or engineer.

Framing must be checked for suitability.

For a window / door frame, which is 2400mm high and 1000mm wide, refer to the table below;

Step 1: Locate the height

Step 2: Locate the width

Step 3: Determine the Maximum wind pressure based on the height and width.

SECTION PART NO.	Panel Height	Maximum Design Pressure (Pa)					
	2850	S	1040	840	720	630	570
		U	2410	1960	1660	1460	1310
	2700	S	1230	1000	850	750	680
		U	2700	2190	1870	1640	1480
	2550	S	1460	1200	1020	910	830
		U	3040	2470	2210	1860	1690
	2400	S	1770	1450	1250	1080	1010
		U	3440	2810	2410	2080	1940
	2250	S	2160	1780	1530	1370	1270
		U	3940	3230	2780	2470	2270
	2100	S	2670	2210	1920	1730	1610
		U	4550	3750	3240	2900	2680
lxx = xxx x xxx mm4	Panel Width		800	1000	1200	1400	1600

Diagram illustrating the steps to find the Maximum Design Pressure (Pa) for a window/door frame:

- STEP 1:** Locate the height (2400mm) in the Panel Height column.
- STEP 2:** Locate the width (1000mm) in the Panel Width row.
- STEP 3:** Determine the Maximum wind pressure based on the height and width. The intersection of 2400mm height and 1000mm width shows a pressure of 1450 Pa (Suction) and 2810 Pa (Ultimate).

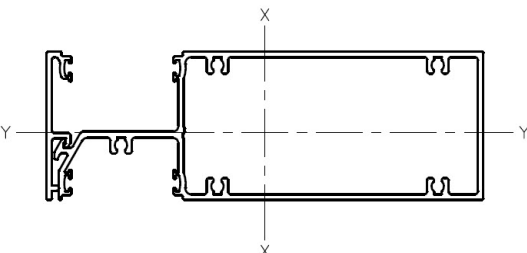
3. Loading Tables

Transoms

Max Stress = 110Mpa

S = Serviceability limit state I/250

U = Ultimate limit state

TRANSOM HE472, HE313		Transom Centres	Maximum Design Pressure (Pa)				
	2400	S	3000	3000	3000	3000	1720
		U	9000	9000	5550	2820	2390
	2100	S	3000	3000	3000	2930	1750
		U	9000	9000	5600	3570	2450
	1800	S	3000	3000	3000	3000	1860
		U	9000	9000	5680	3680	2620
	1500	S	3000	3000	3000	3000	2070
		U	9000	9000	5910	4020	2940
	1200	S	3000	3000	3000	3000	2430
		U	9000	9000	6670	4680	3480
	900	S	3000	3000	3000	3000	3000
		U	9000	9000	8260	5930	4470
		Max Weight (kg)	200	200	192	121	81
Ixx = 1723 x 10 ³ mm ⁴ Iyy = 304 x 10 ³ mm ⁴		Transom Length	1200	1500	1800	2100	2400

Note: Maximum glass weights has been determined to limit deflection to 5mm, using setting block location of 1/8 points.

Tables are based on theoretical section properties

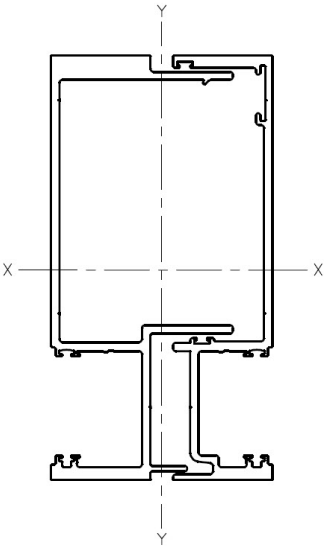
3. Loading Tables

Mullion Combination

Max Stress = 110Mpa

S = Serviceability limit state I/250

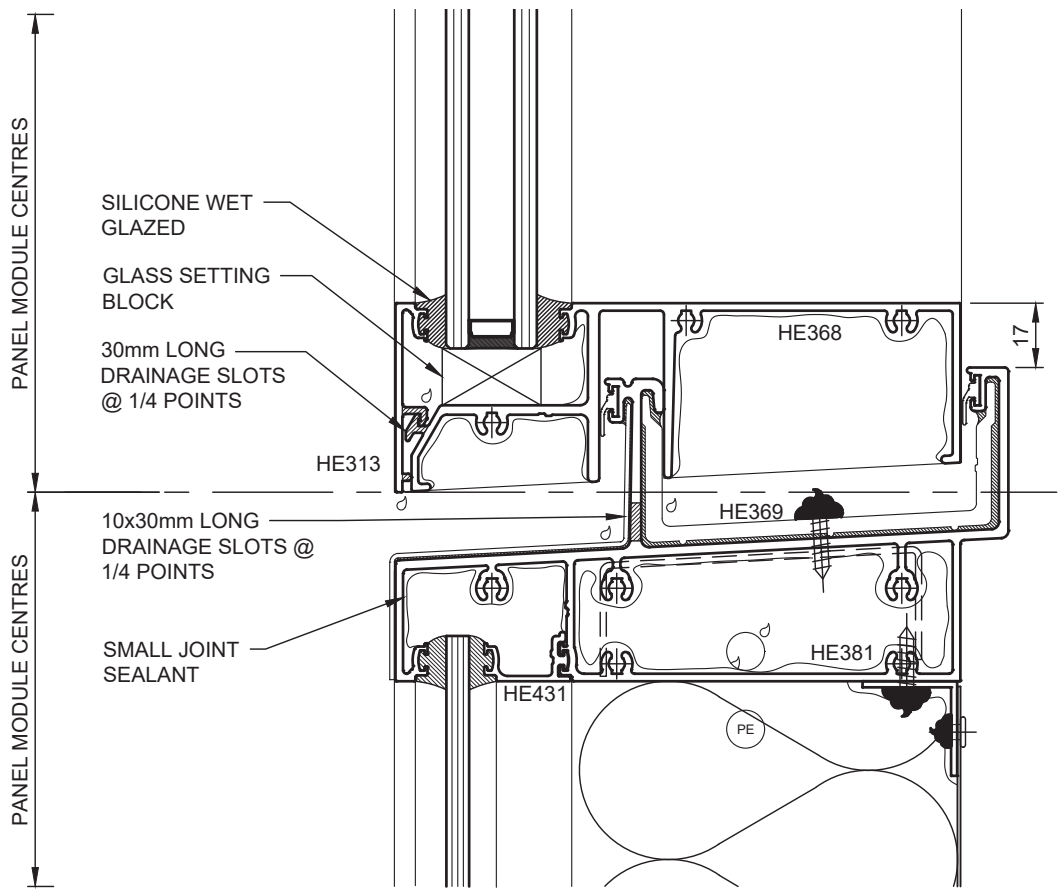
U = Ultimate limit state

MULLION COMBINATION HE488 & HE489	Mullion Height	Maximum Design Pressure (Pa)						
	5100	S	1600	1070	810	660	560	
		U	4250	2850	2150	1740	1470	
	4800	S	1920	1290	980	790	670	530
		U	4800	3220	2430	1970	1670	1300
	4500	S	2340	1570	1190	970	820	650
		U	5460	3670	2780	2250	1910	1500
	4200	S	2880	1940	1470	1200	1020	900
		U	6280	4220	3200	2600	2210	1940
	3900	S	3000	2430	1850	1510	1300	1150
		U	7290	4910	3730	3040	2590	2280
	3600	S	3000	3000	2370	1950	1670	1490
		U	9000	5780	4400	3600	3080	2730
	3300	S	3000	3000	3000	2560	2220	1990
		U	9000	6900	5280	4340	3730	3330
	3000	S	3000	3000	3000	3000	3000	2750
		U	9000	8400	6450	5330	4630	4170
	2700	S	3000	3000	3000	3000	3000	3000
		U	9000	9000	8080	6730	5900	5400
	2400	S	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	9000	7830	7320
$I_{xx} = 6003 \times 10^3 \text{ mm}^4$	Mullion Spacing		600	900	1200	1500	1800	2100
								2400

Tables are based on theoretical section properties

AS4284 - 9 Panels

TEST REPORT:	2014-018-S1
SYSTEM CONFIGURATION	UNITISED CURTAIN WALL SYSTEM COMPRISING 3 OFF SG STARTER PANELS AT THE BOTTOM APPROX 1800mm HIGH AND 1500mm WIDE AND 2 ROWS OF 3 DG VISION PANELS AND SG SPANDREL PANELS APPROX 3600mm HIGH AND 1500mm WIDE (6 PANELS). 9 PANELS TOTAL.
TEST SAMPLE SIZE	3.6m H x 1.5m W
SERVICEABILITY LOAD	+/- 2.0 kPa
ULTIMATE LOAD	+/- 4.5 kPa
WATER PENETRATION	600 -1200 Pa
AIR INFILTRATION	75Pa + 0.54L/m/s ² - 0.58L/m/s ² 150Pa + 0.82L/m/s ² - 0.87L/m/s ²



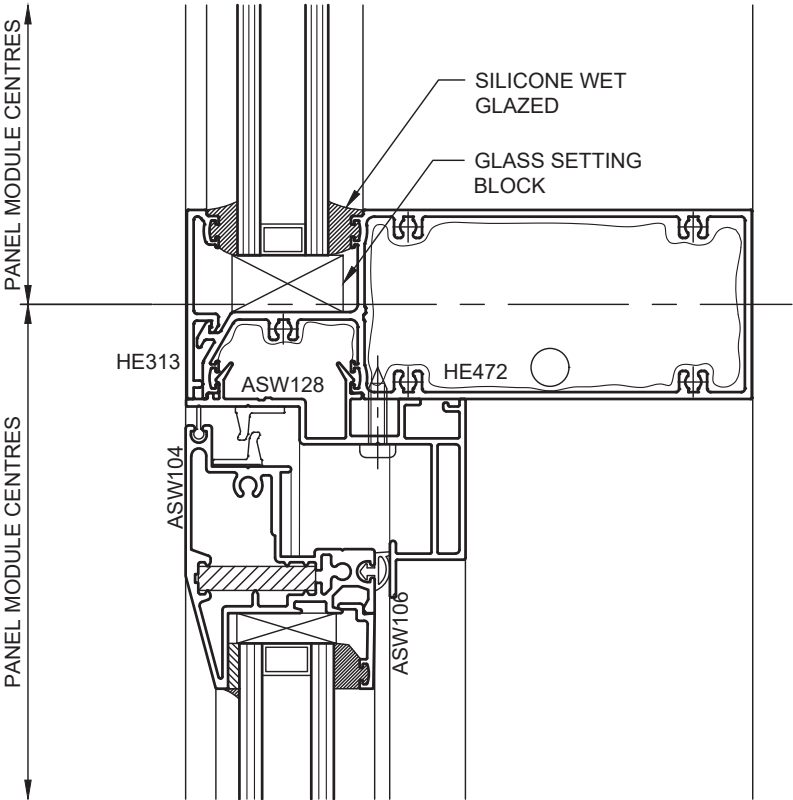
DISCLAIMER:
Please note that the test results shown above reflect specific configurations of a system and are representative only. If a specific high wind load or a different configuration (i.e. changes to frames, transoms, mullions) is required on a project please discuss with Alspec prior to commencement.



4. Test Summary

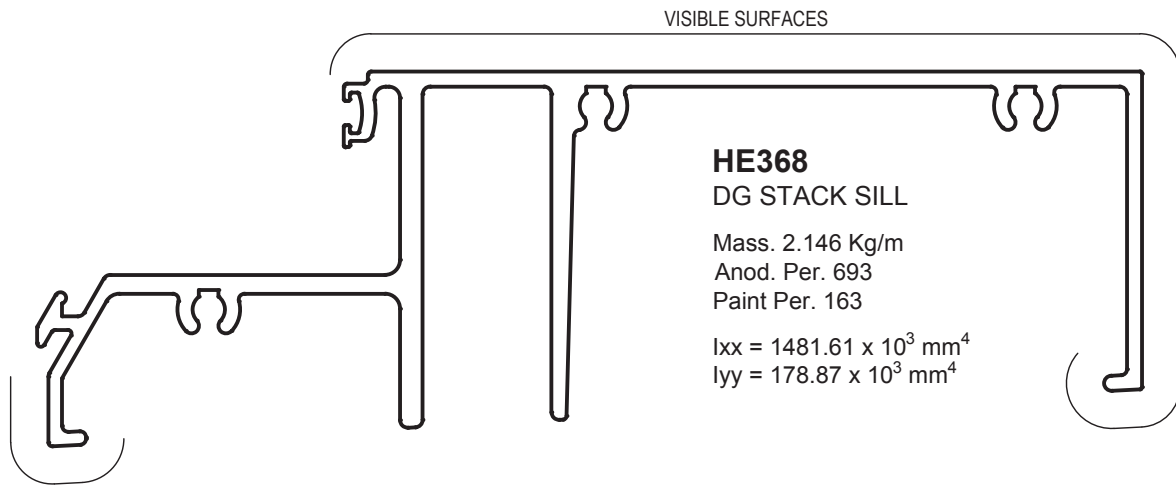
AS4284 - 9 Panels

TEST REPORT:	2019-123-S1
SYSTEM CONFIGURATION	HUNTER EVO STACK FACETED MULLION CURTAIN WALL WITH PROTILT AWNING SASH MEASURING 3780mm (H) x 2800mm (W)
TEST SAMPLE SIZE	3.78m H x 2.8m W
SERVICEABILITY LOAD	+/- 1.92 kPa
ULTIMATE LOAD	+/- 3.5 kPa
WATER PENETRATION	600 -1200 Pa
AIR INFILTRATION @ 150 Pa	+ 0.19L/m/s ² - 0.69L/m/s ²

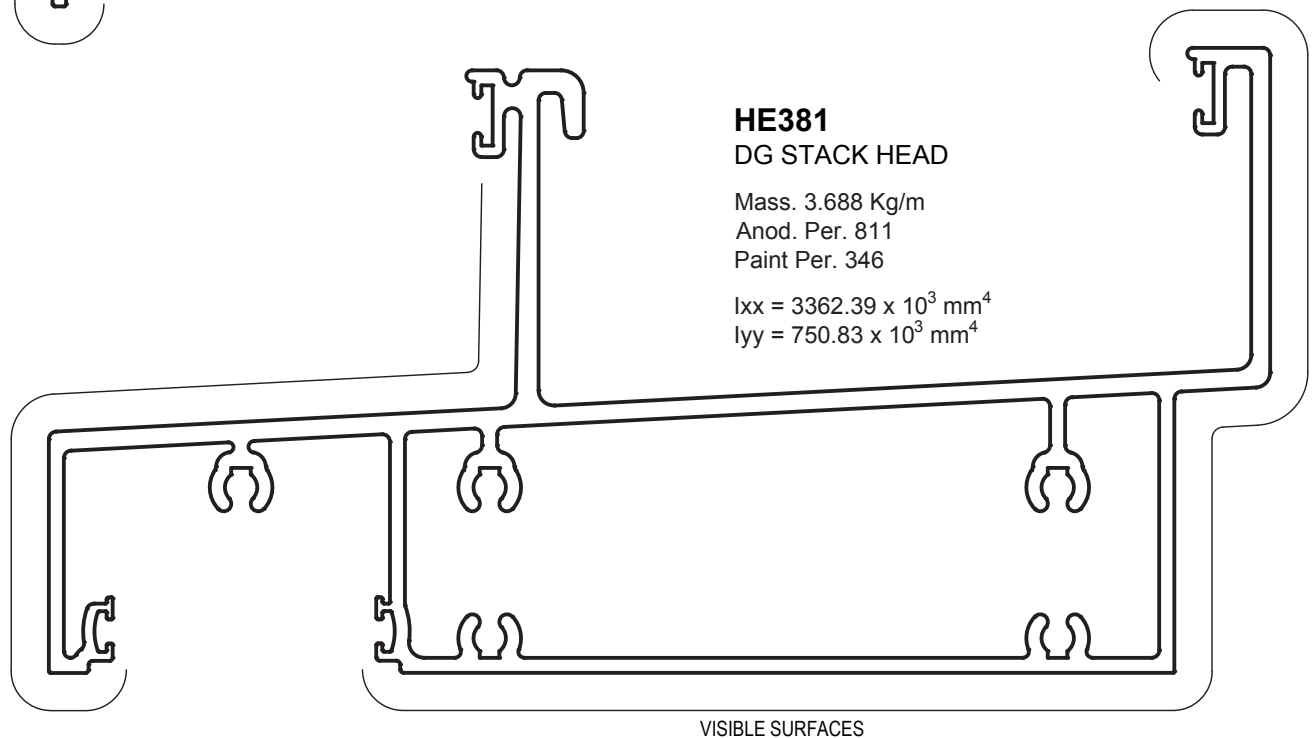
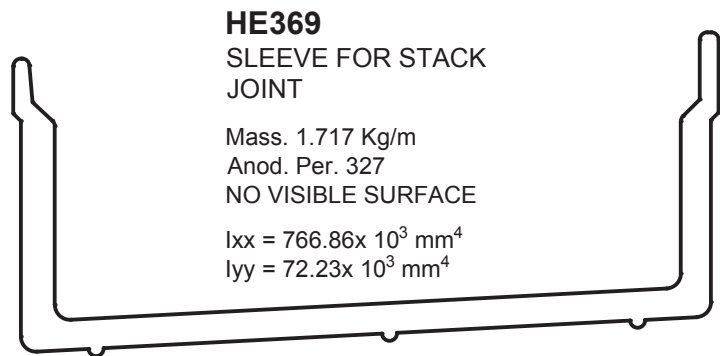


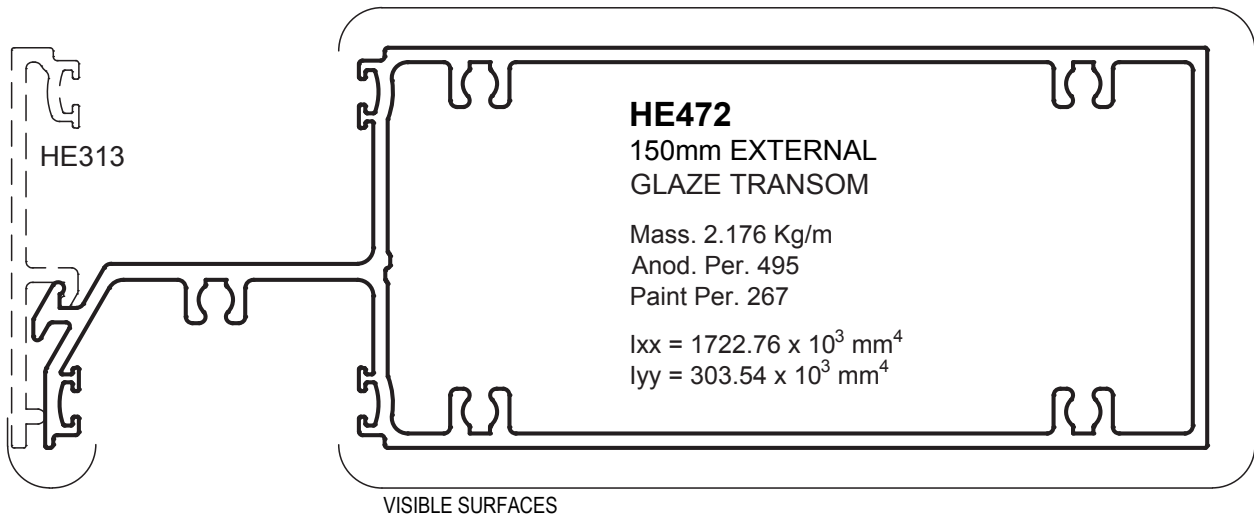
DISCLAIMER:

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.



VISIBLE SURFACE





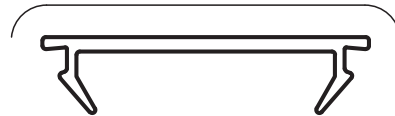
VISIBLE SURFACES



ECO123
GLAZING ADAPTOR

Mass. 0.118 Kg/m
Anod. Per. 100
Paint Per. 100

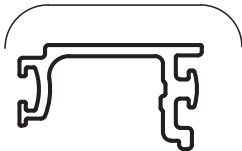
VISIBLE SURFACES



ECO208R
FLUSH POCKET
INFILL DG

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

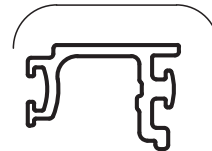
VISIBLE SURFACES



HE431
SINGLE GLAZE
ADAPTOR

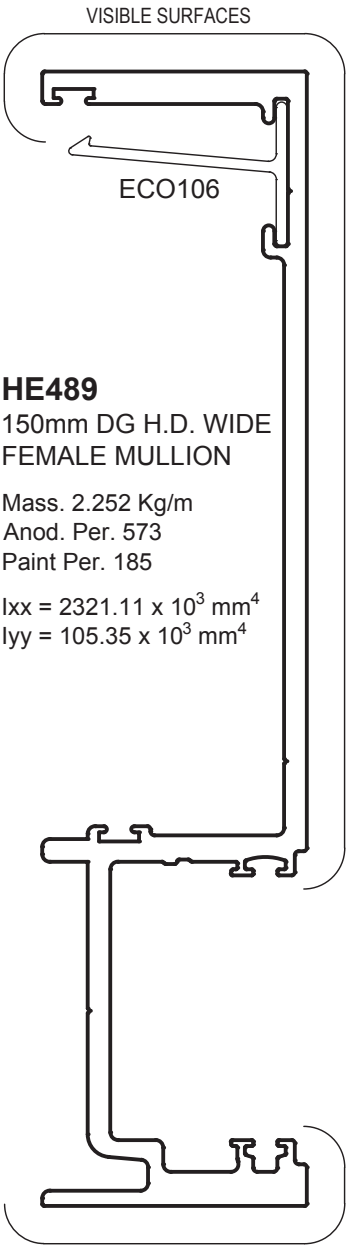
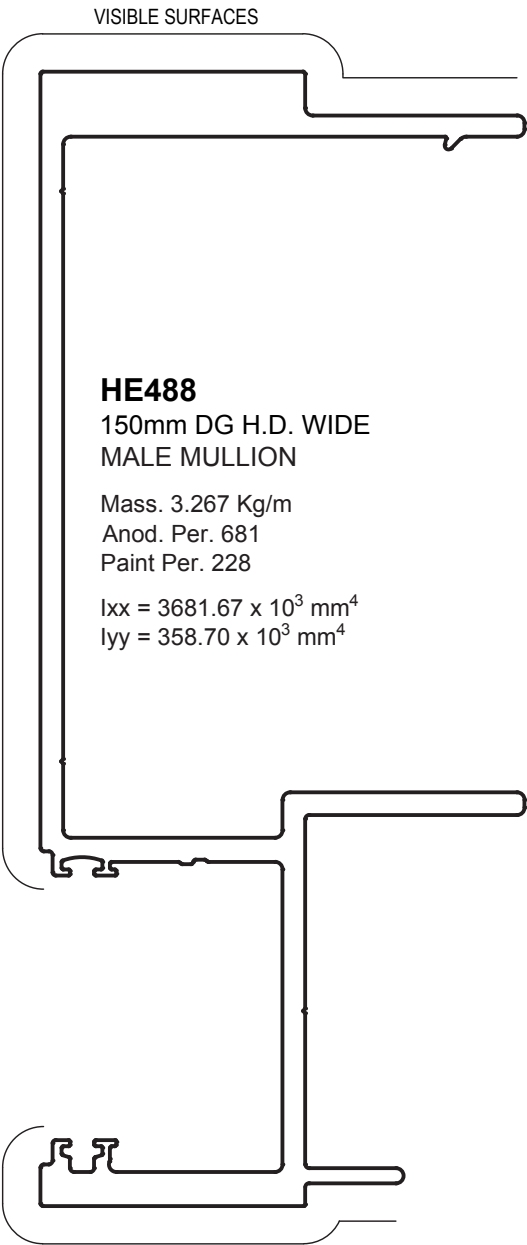
Mass. 0.207 Kg/m
Anod. Per. 105
Paint Per. 100

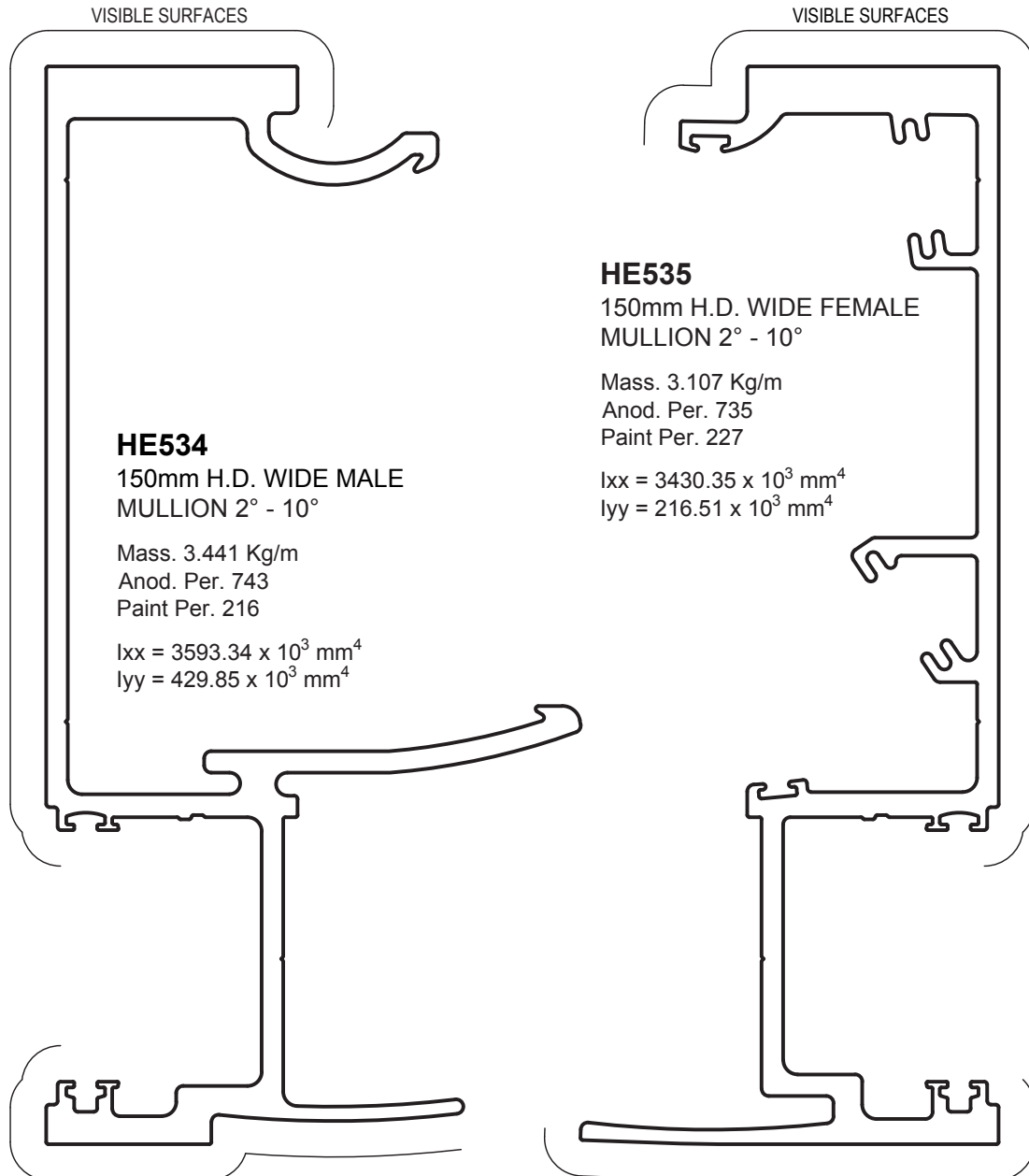
VISIBLE SURFACES

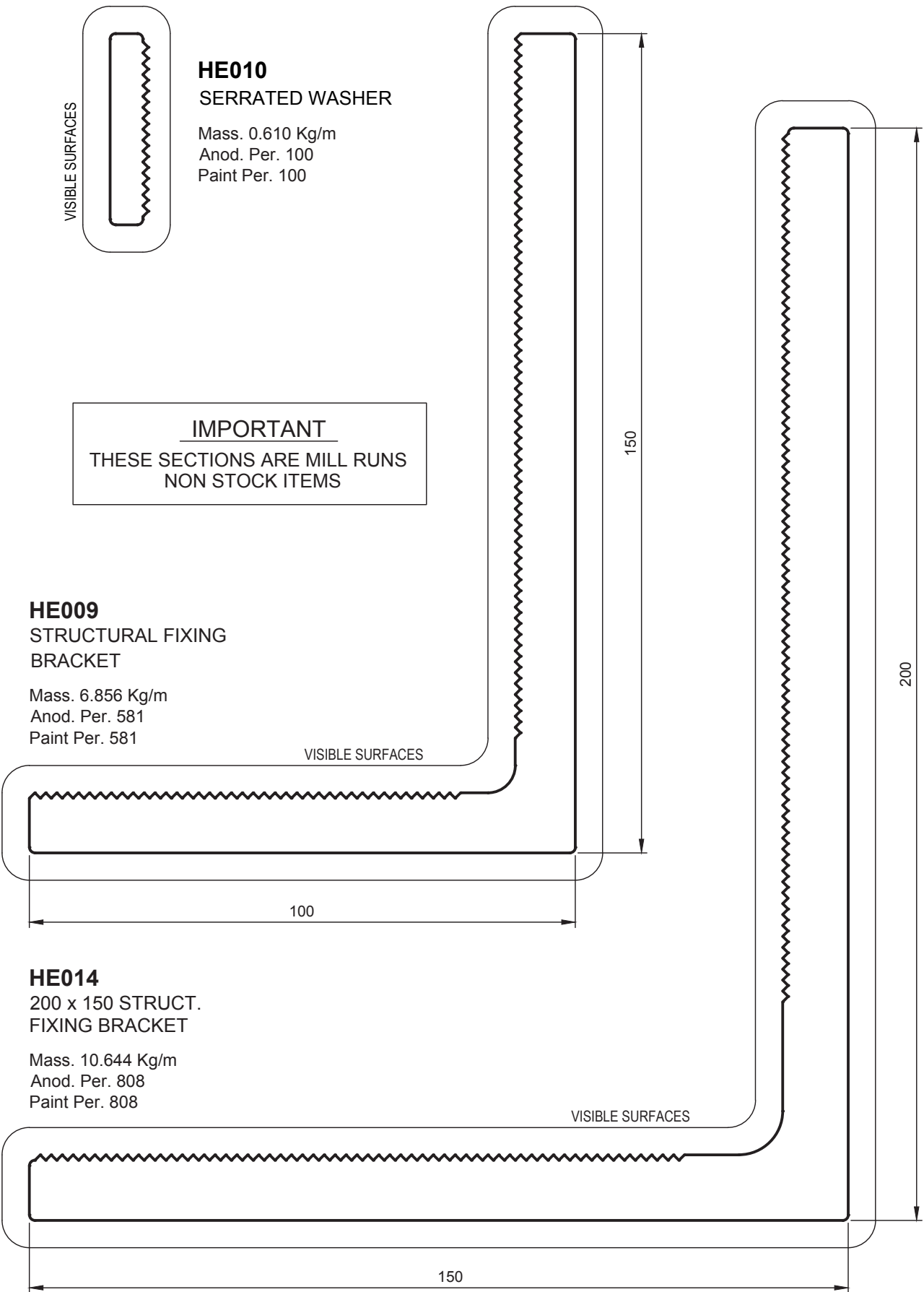


HE430
SINGLE GLAZE
ADAPTOR

Mass. 0.192 Kg/m
Anod. Per. 111
Paint Per. 100



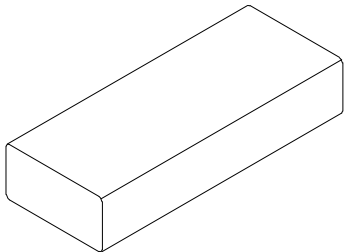




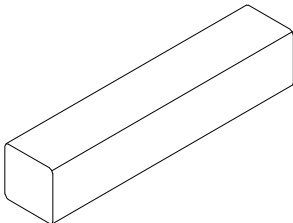
Seals

IMAGE	PART #	FINISH	DESCRIPTION
	1376125	BLACK (034)	MS8 HIGH PERFORMANCE MULLION SEAL x 100m
	1376453	BLACK (034)	MS5 HIGH PERFORMANCE V SEAL x 1m
	1378190		MS5 HIGH PERFORMANCE V SEAL x 100m

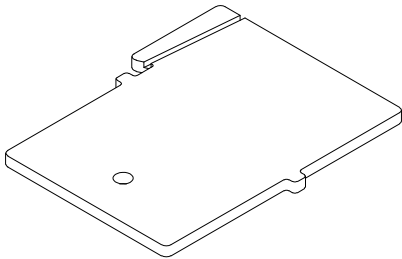
Accessories



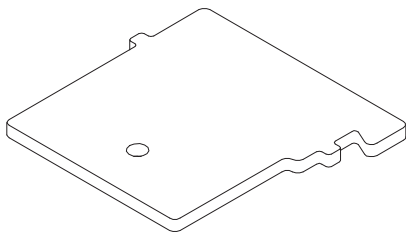
SETTING BLOCK 15 x 30 x 75mm BAG OF 50	
PART	1376733
FINISH	BLACK (034)
QTY	BAG OF 50



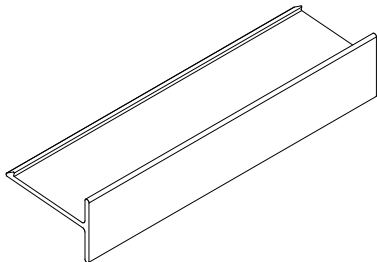
SETTING BLOCK 15 x 15 x 75mm BAG OF 50	
PART	1376735
FINISH	BLACK (034)
QTY	BAG OF 50



HE003 POCKET STOP x 50 (FOR HE488)	
PART	1378196
FINISH	NON SPECIFIED (099)
QTY	BAG OF 50



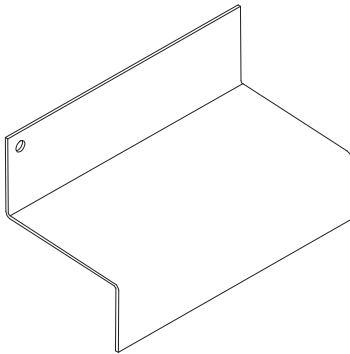
HE004 POCKET STOP FOR HE489	
PART	1378197
FINISH	NON SPECIFIED (099)
QTY	BAG OF 50



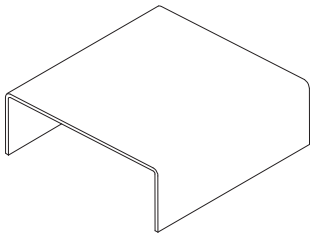
ECO106 MULLION CLIP - 150mm LONG	
PART	1378140
FINISH	MILL FINISH (001)
QTY	EACH

6. Hardware & Components

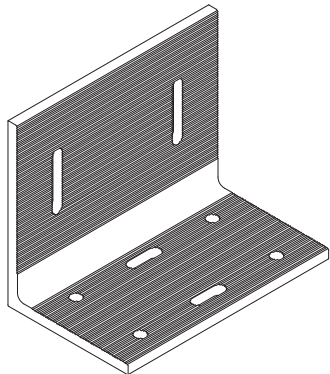
Accessories



HE011 STACK HEAD FLASHING (150mm)	
PART	1378186
FINISH	MILL (001) CUSTOM ANODIZING (100) CUSTOM FINISH (098)
QTY	EACH

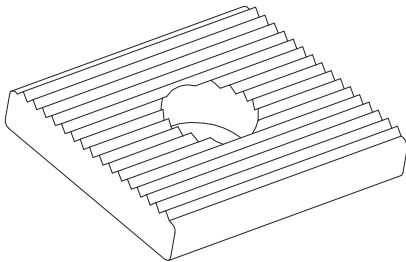


HE013 PANEL SPLICE BED 85mm 5005 H34	
PART	1378174
FINISH	MILL (001) CUSTOM FINISH (098)
QTY	EACH

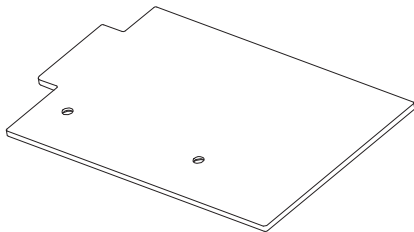


Note: Project stock only - Contact your Alspec branch

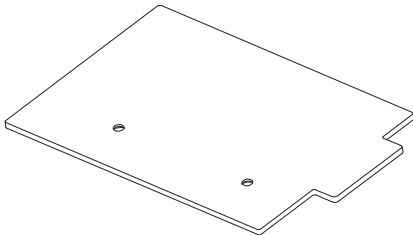
HE014B 200 x 150mm STRUCTURAL BRACKETS x 250mm	
PART	1378198
FINISH	MILL (001) APO GREY SATIN (021) CUSTOM FINISH (098)
QTY	EACH



HE010B SERRATED WASHER x 40mm	
PART	1378199
FINISH	PRE TREAT ONLY (0IL)
QTY	EACH



HE011 STACK HEAD FLASHING (150mm)	
PART	1378186
FINISH	MILL (001) CUSTOM ANODIZING (100) CUSTOM FINISH (098)
QTY	EACH



HE018 GUTTER END STOP LH 5005 H34	
PART	1378184
FINISH	MILL (001) CUSTOM FINISH (098)
QTY	EACH

Fasteners

SCREWS			
PART #	HEAD	DESCRIPTION	LOCATION
1382657	SQUARE #2	10g x 1 (25mm) 304SS SQ #2 CSK S/TAP SCREW x 1000	MAIN FRAME
1382094	PHILLIPS #2	10g x 1 (25mm) SS PHILLIPS CSK S/TAP x 1000	
RIVET			
1380210	-	AS4-6 STAINLESS STEEL RIVETS x 1000 MILL	



6. Hardware & Components

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



4:1 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

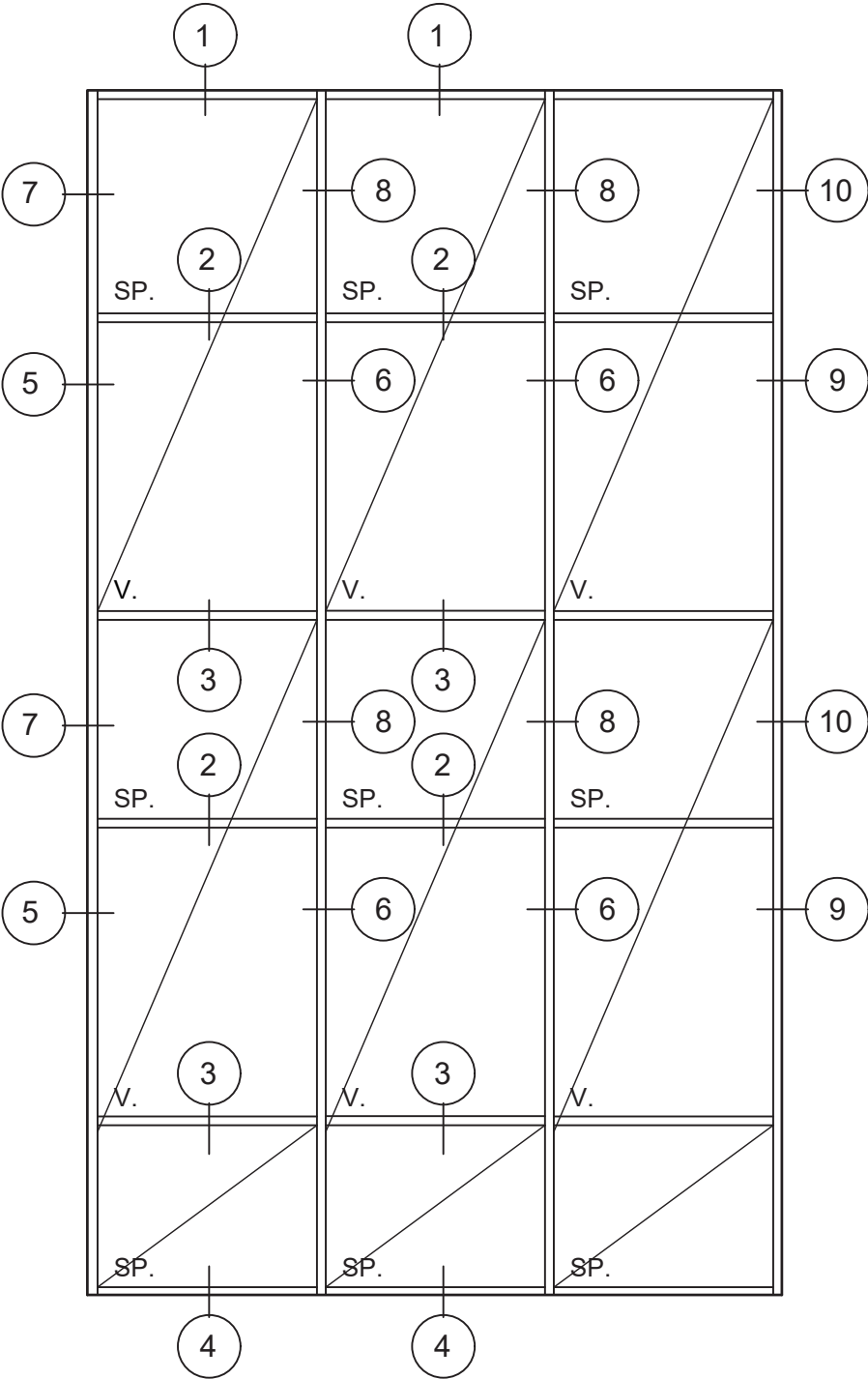
- Premium 100% silicone
- UV Stable
- 2-5 minute skin time
- Flexible + 25%
- No slump

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

6. Hardware & Components

Silicone Product Codes

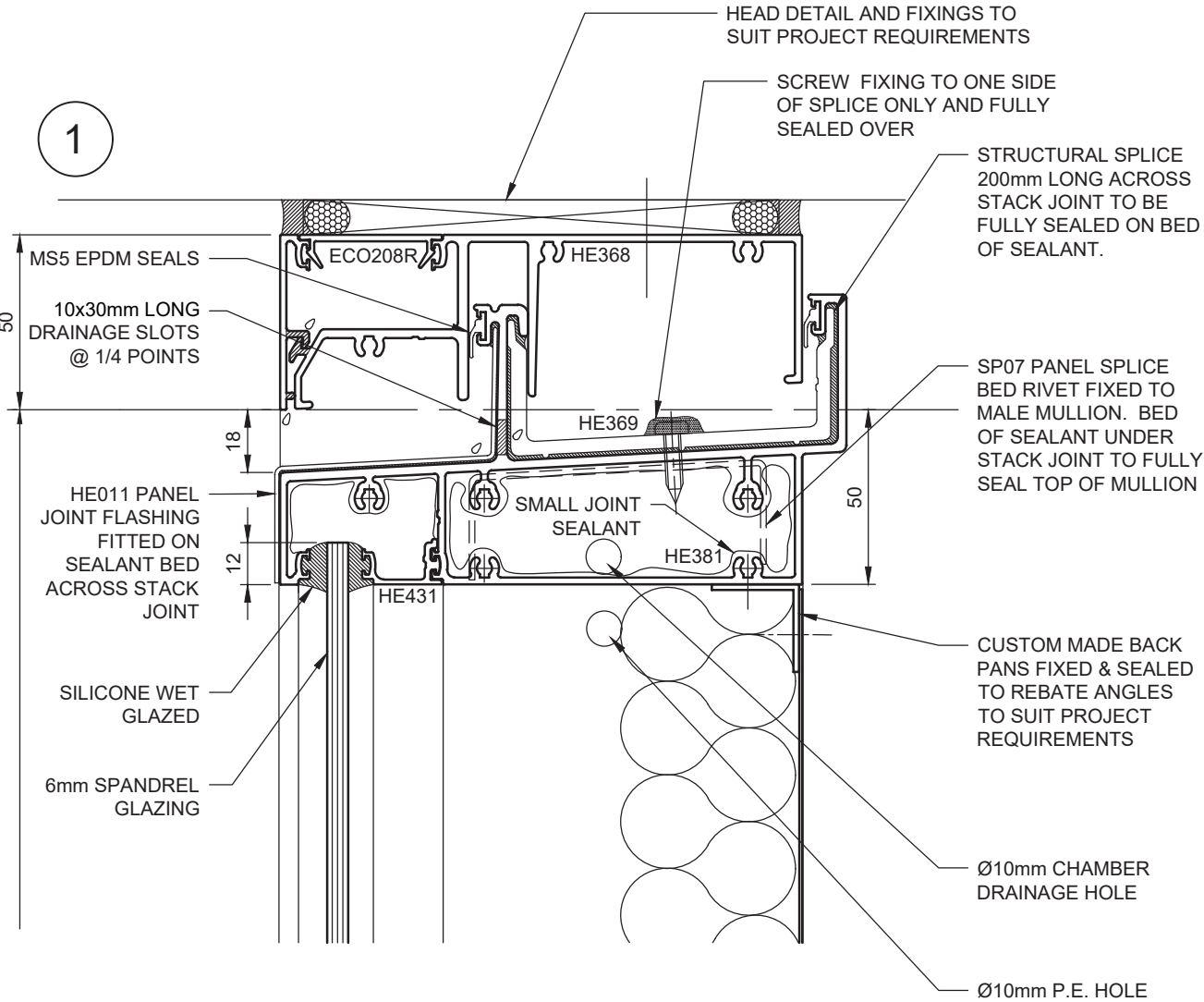
Product Category	Item No.	Alspec Part No. Code	Description	Finish	Pack
ALSPEC 100%	1	1386113	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	ALMOND IVORY	CARTRIDGE
	2	1386114	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	ALUMINIUM	CARTRIDGE
	3	1386105	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	BLACK	CARTRIDGE
	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



SP. - SPANDREL
V. - VISION

8. Typical Details

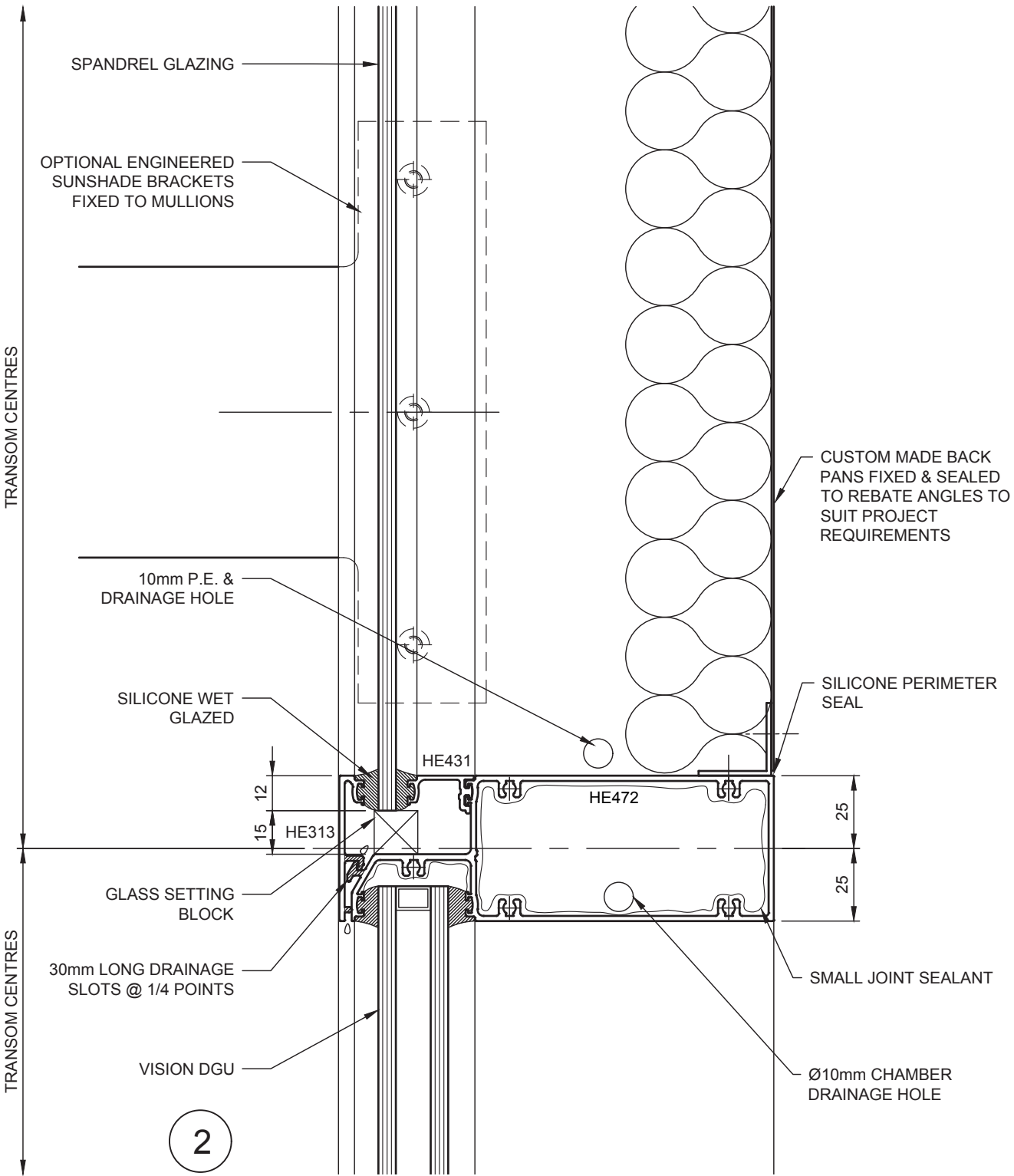
Typical Head Detail





8. Typical Details

Typical Transom Detail

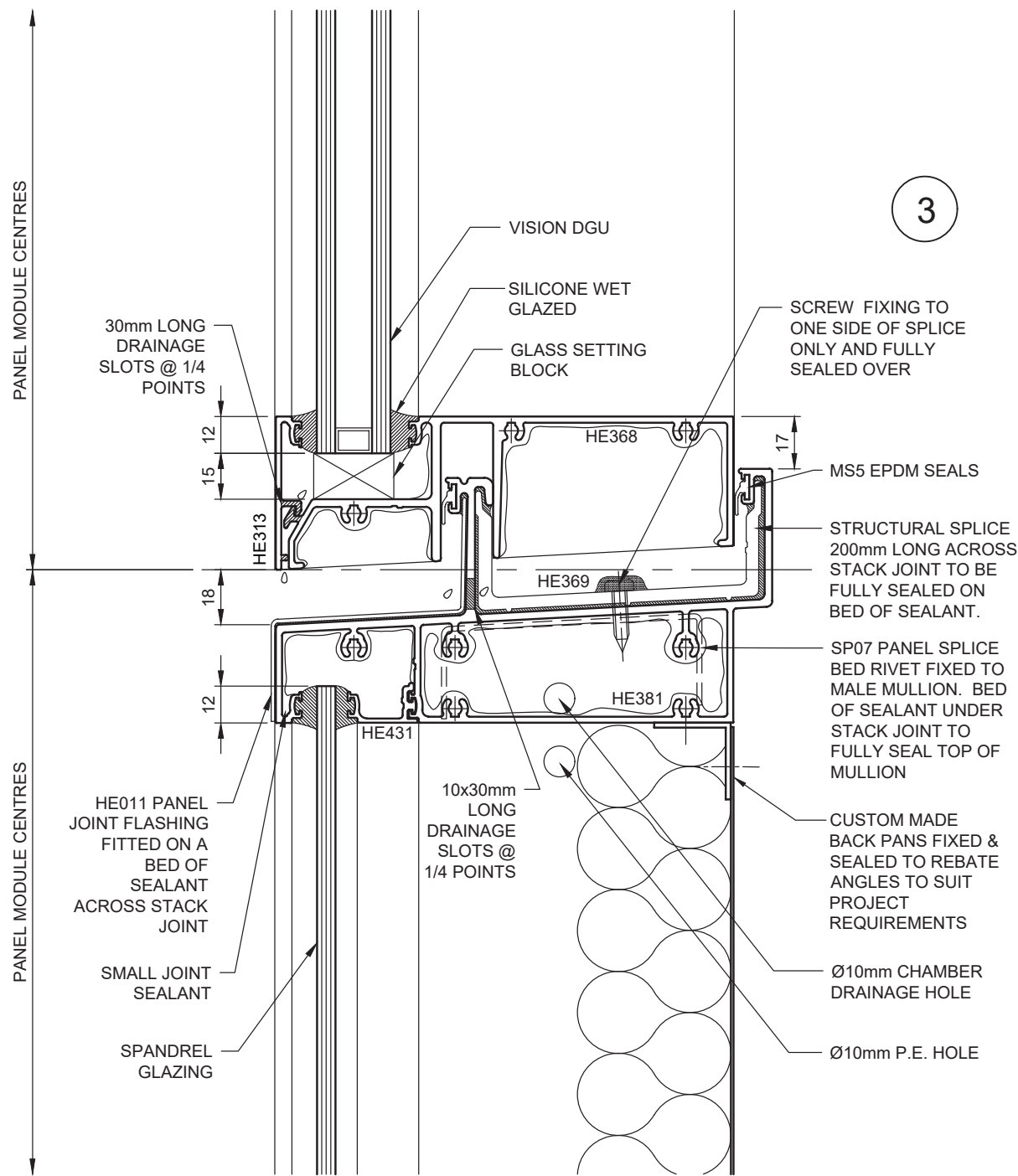


2

8. Typical Details



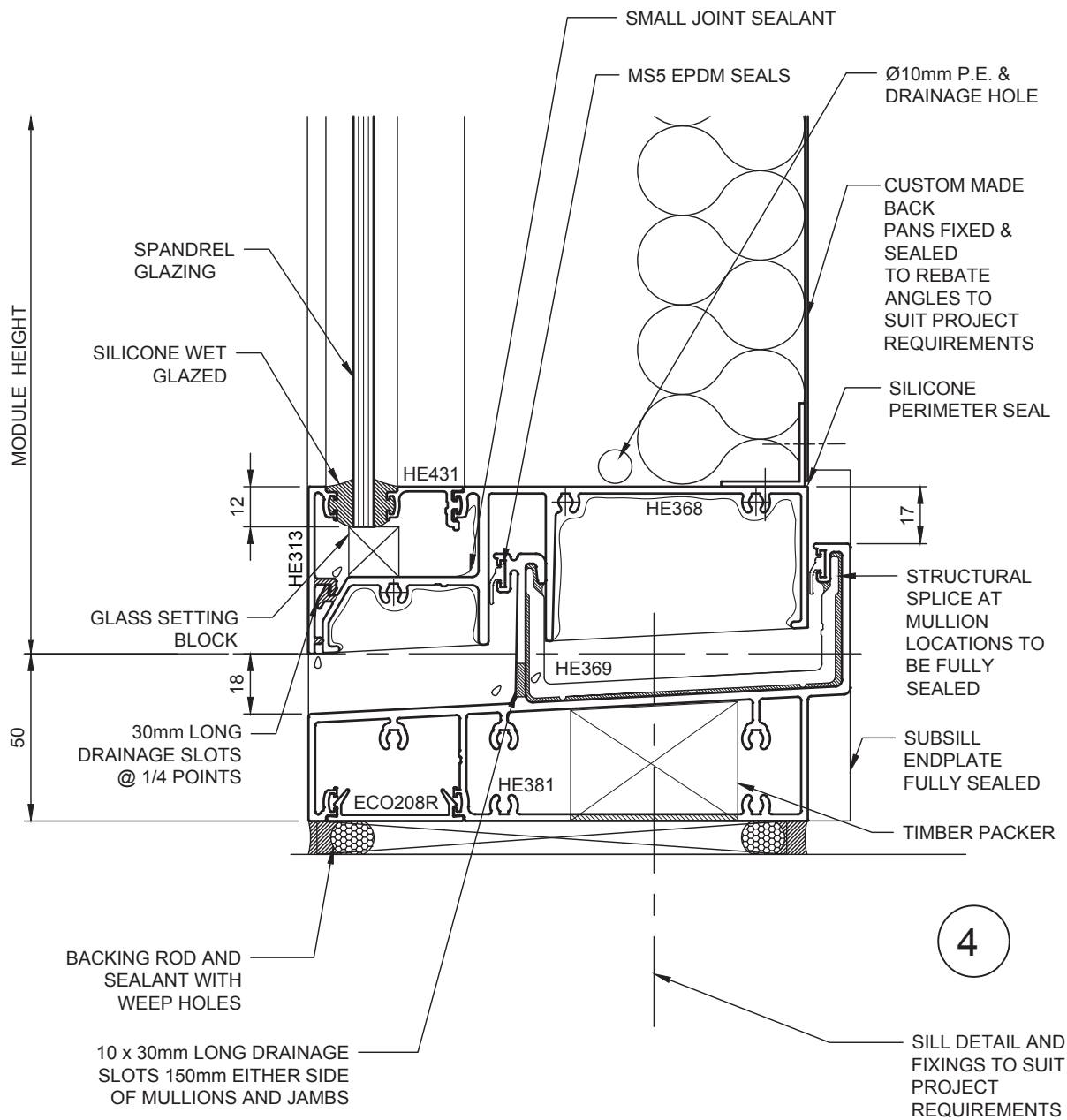
Typical Stack Joint Detail



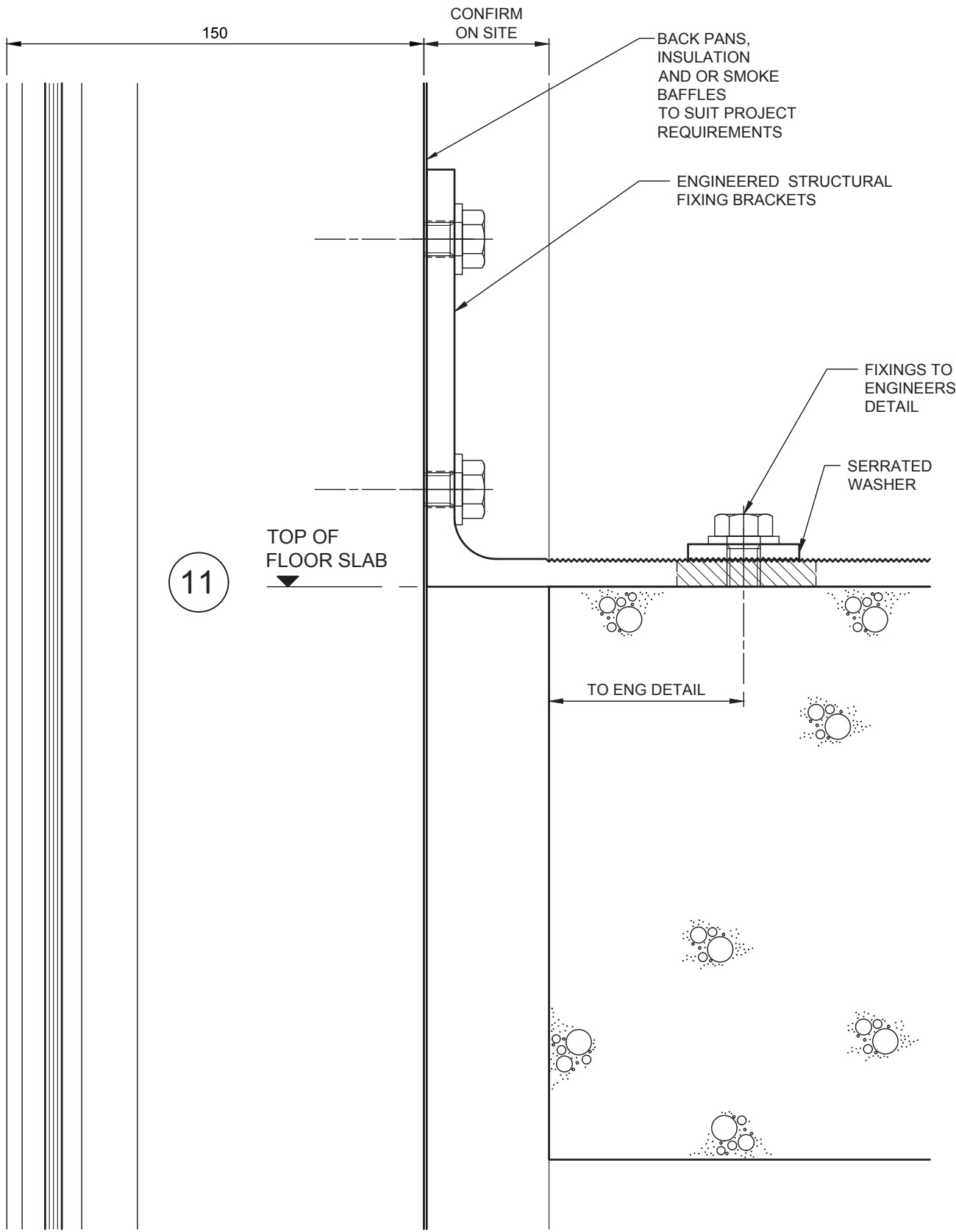


8. Typical Details

Typical Sill Detail



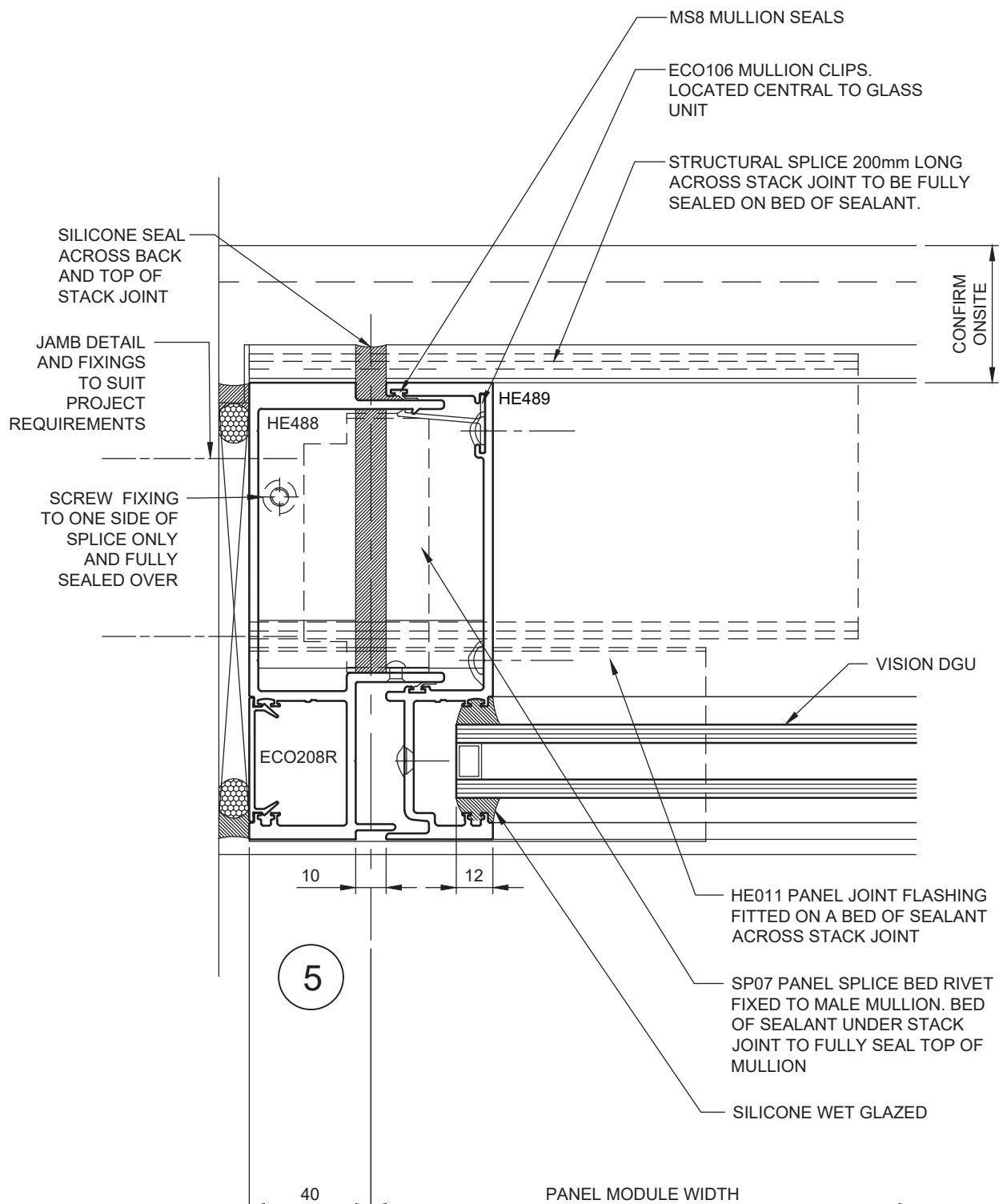
Typical Structural Bracket Detail





8. Typical Details

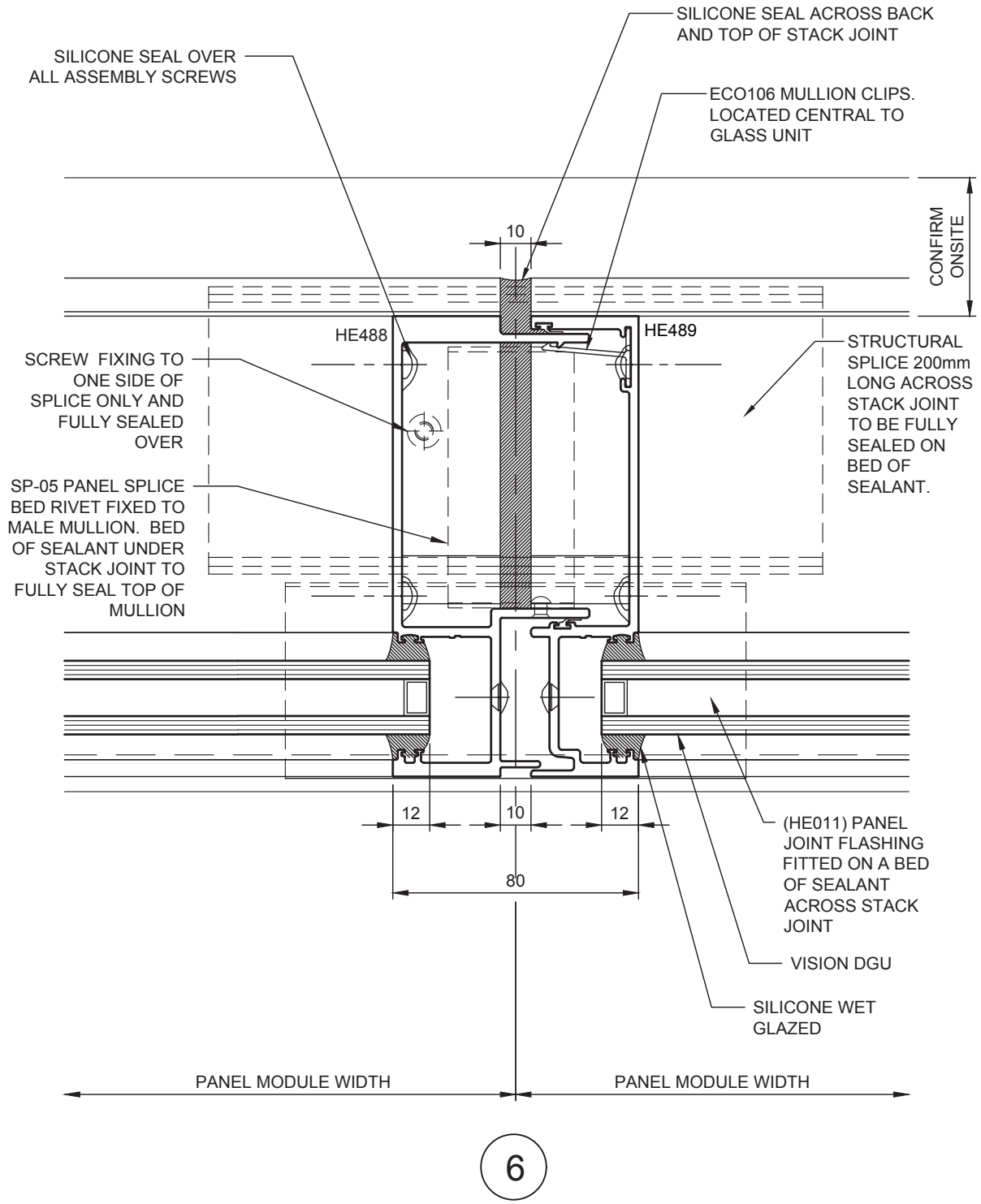
Typical LH Vision Starter Jamb Detail



8. Typical Details



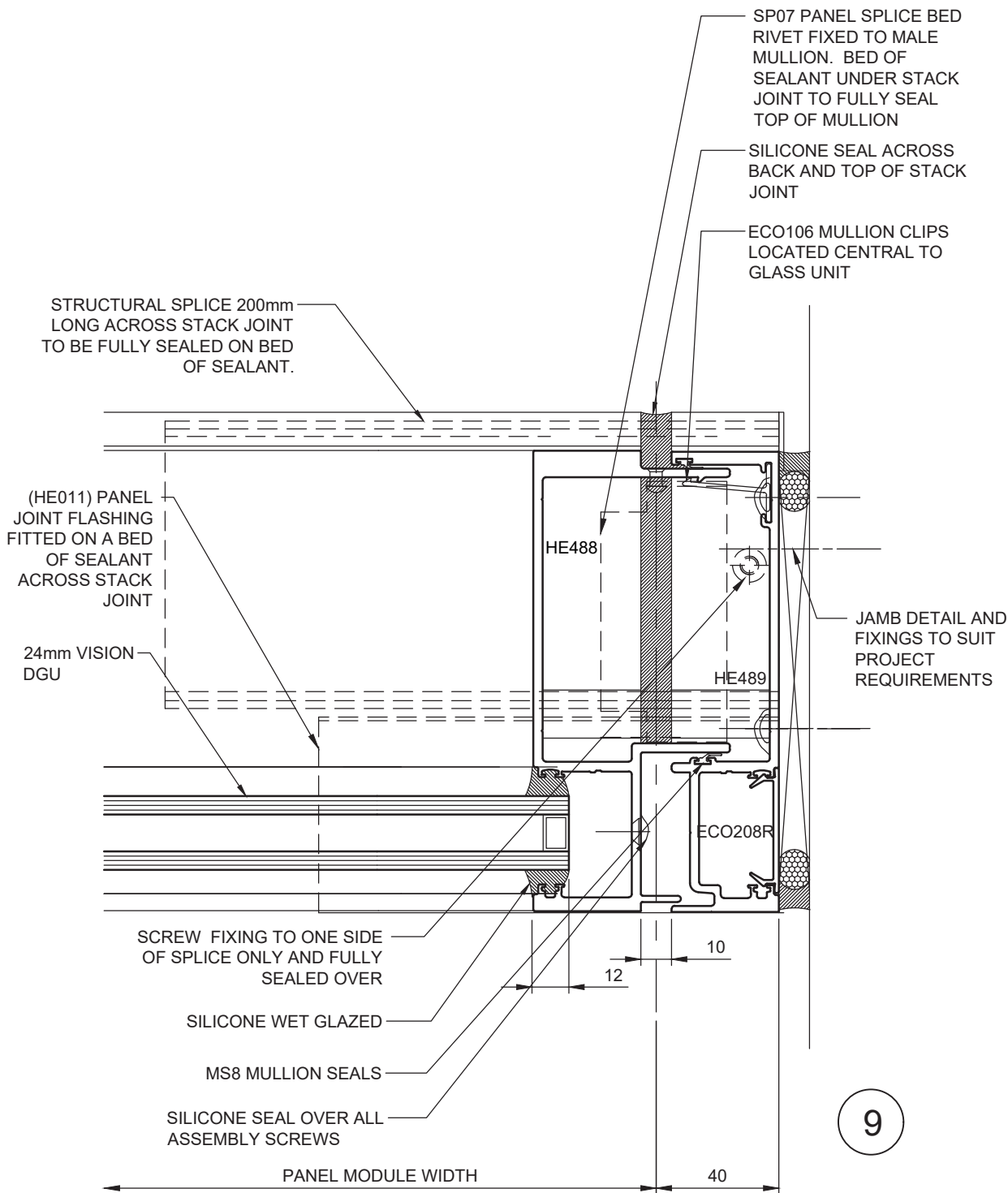
Typical Vision Mullion Detail



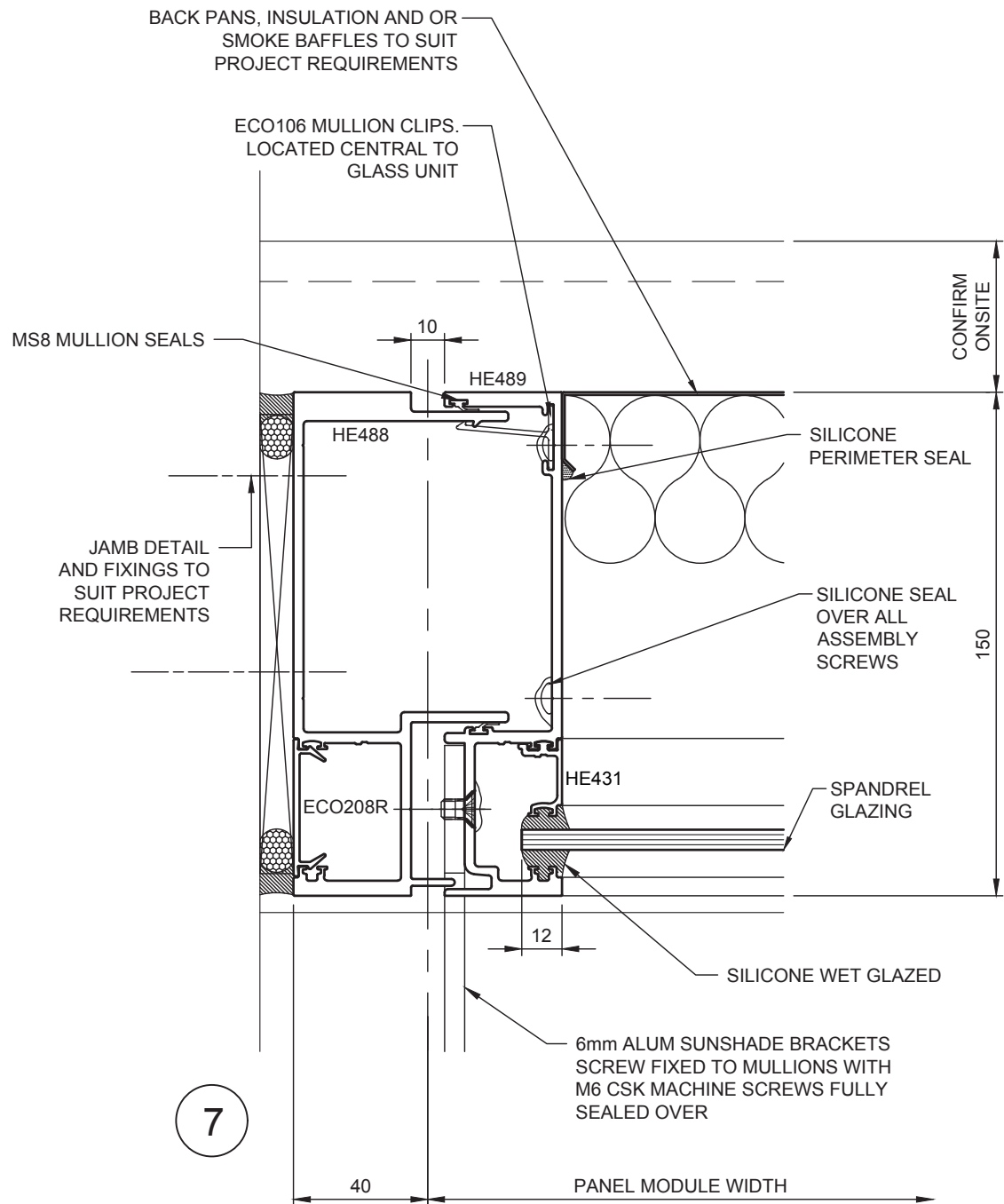


8. Typical Details

Typical RH Vision Closer Jamb Detail



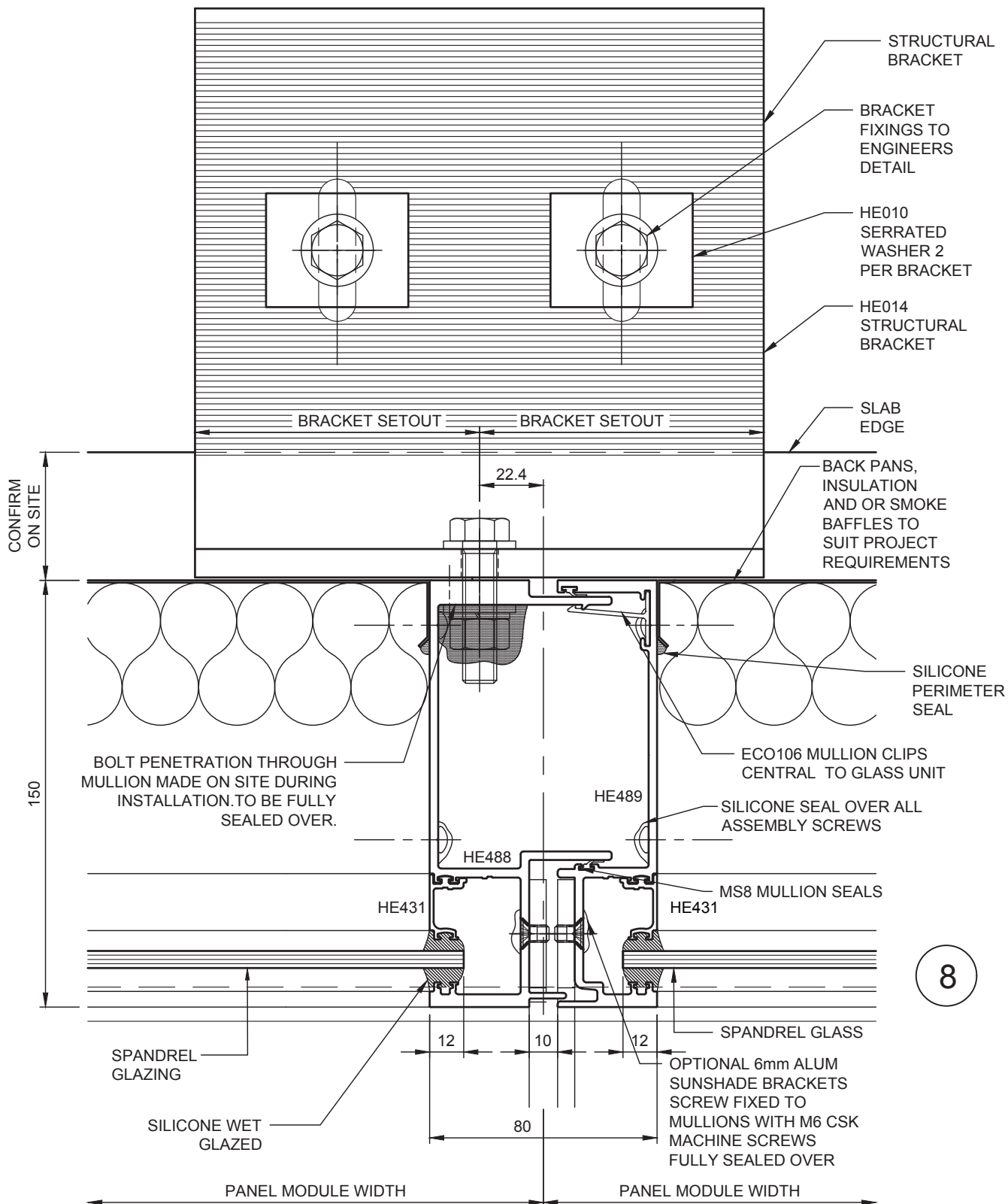
Typical LH Spandrel Starter Jamb Detail





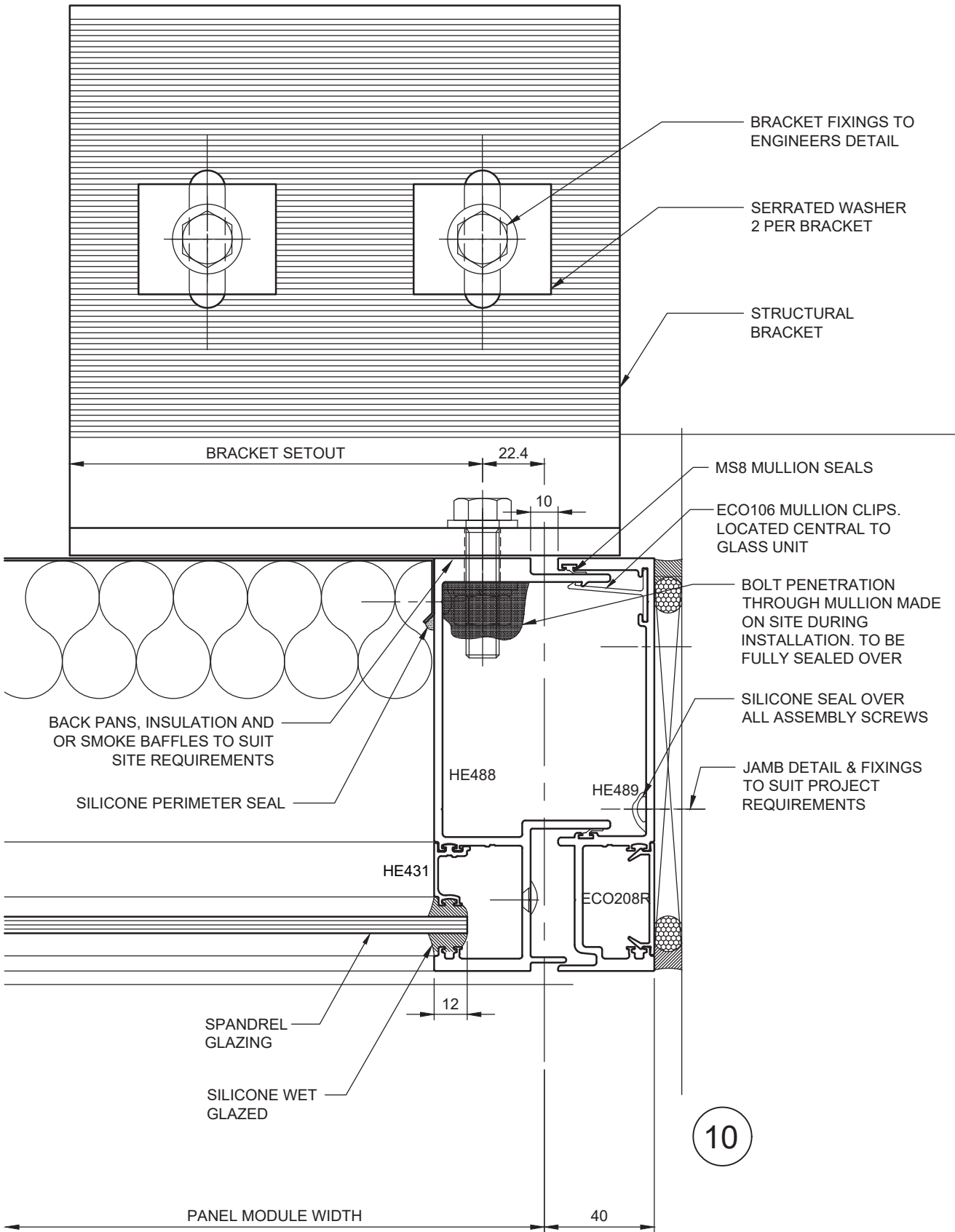
8. Typical Details

Typical Spandrel Mullion / Bracket Detail

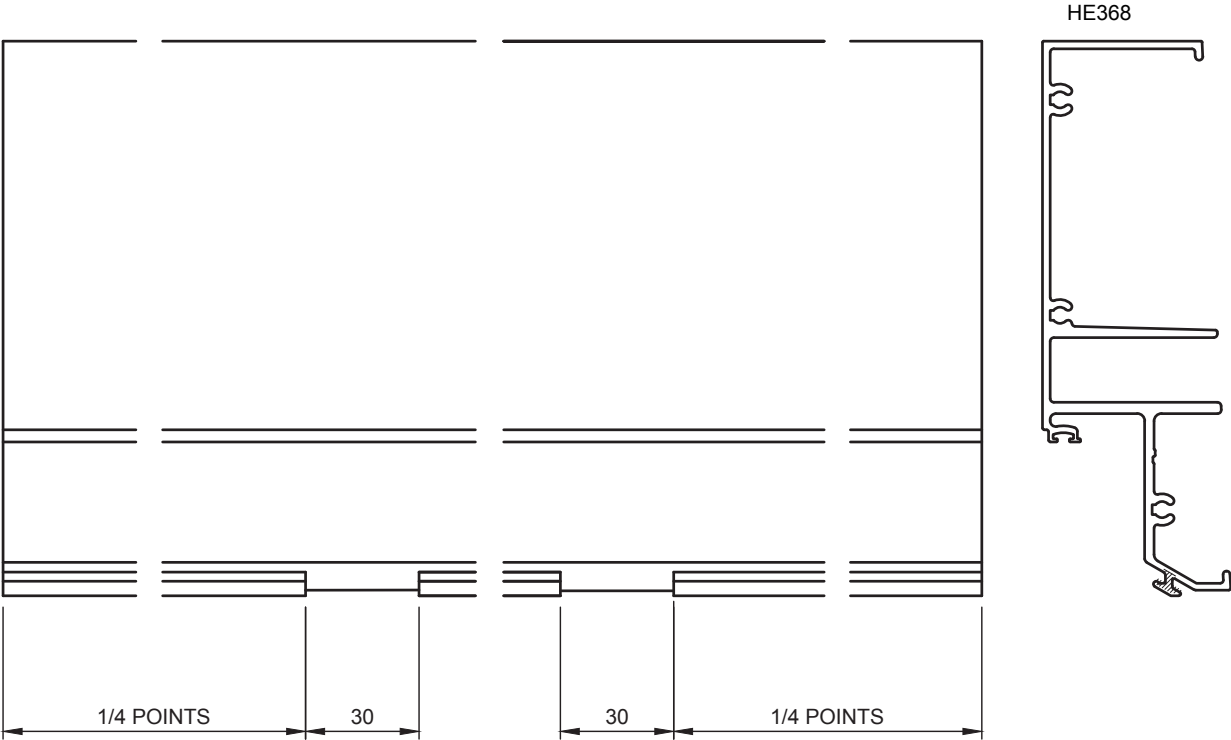


8. Typical Details

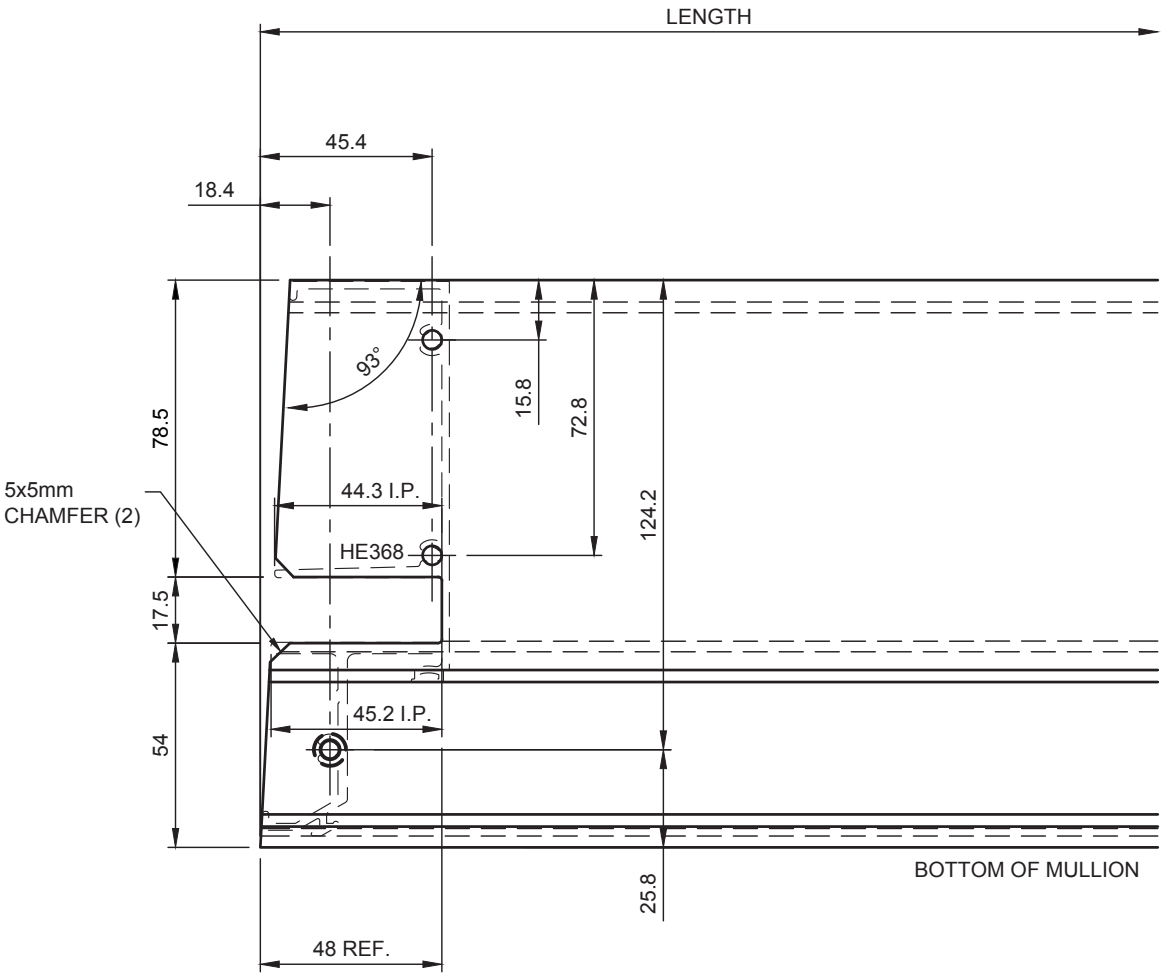
Typical RH Spandrel Starter Jamb Detail



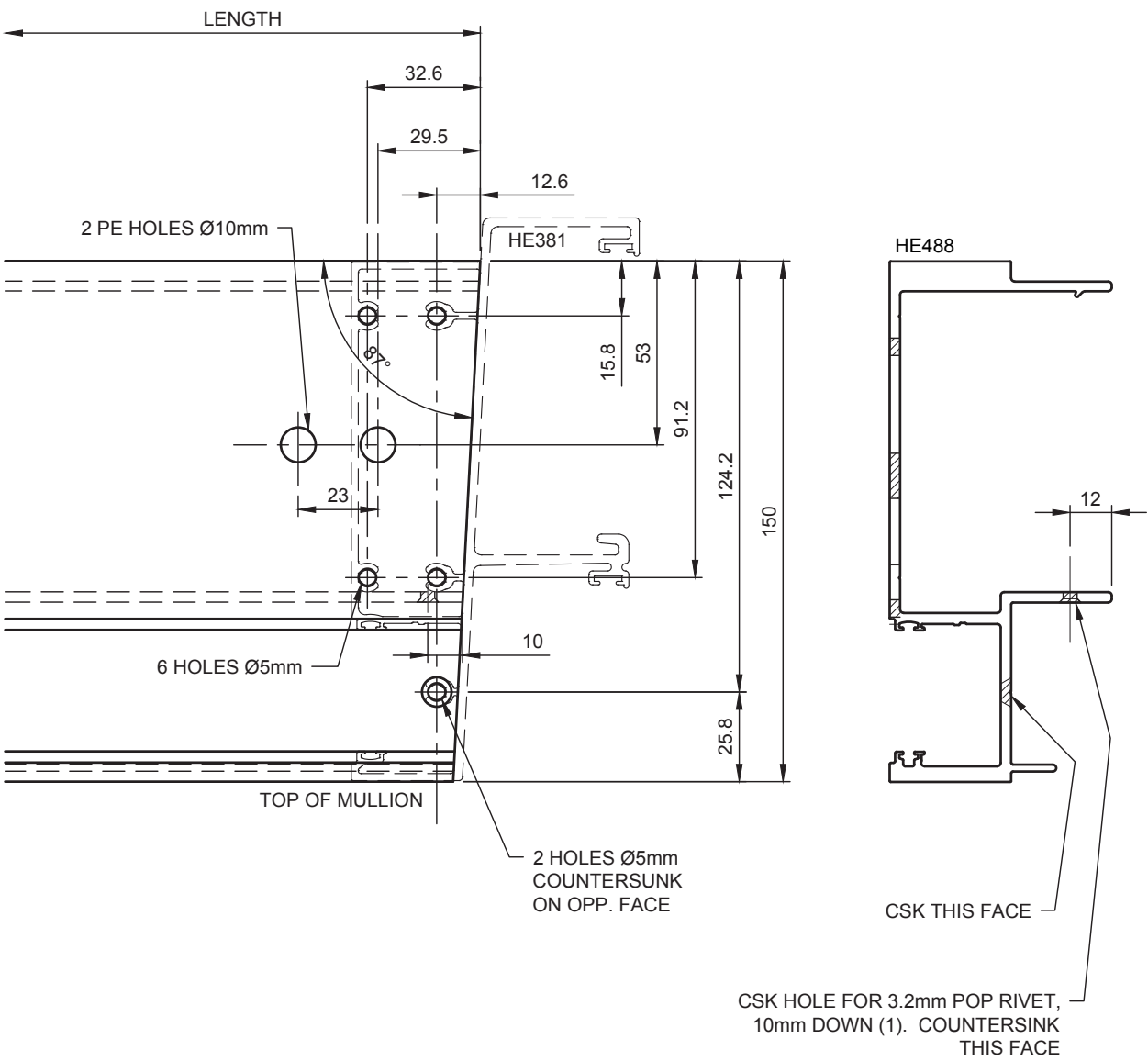
Stack Sill Preparation S-01



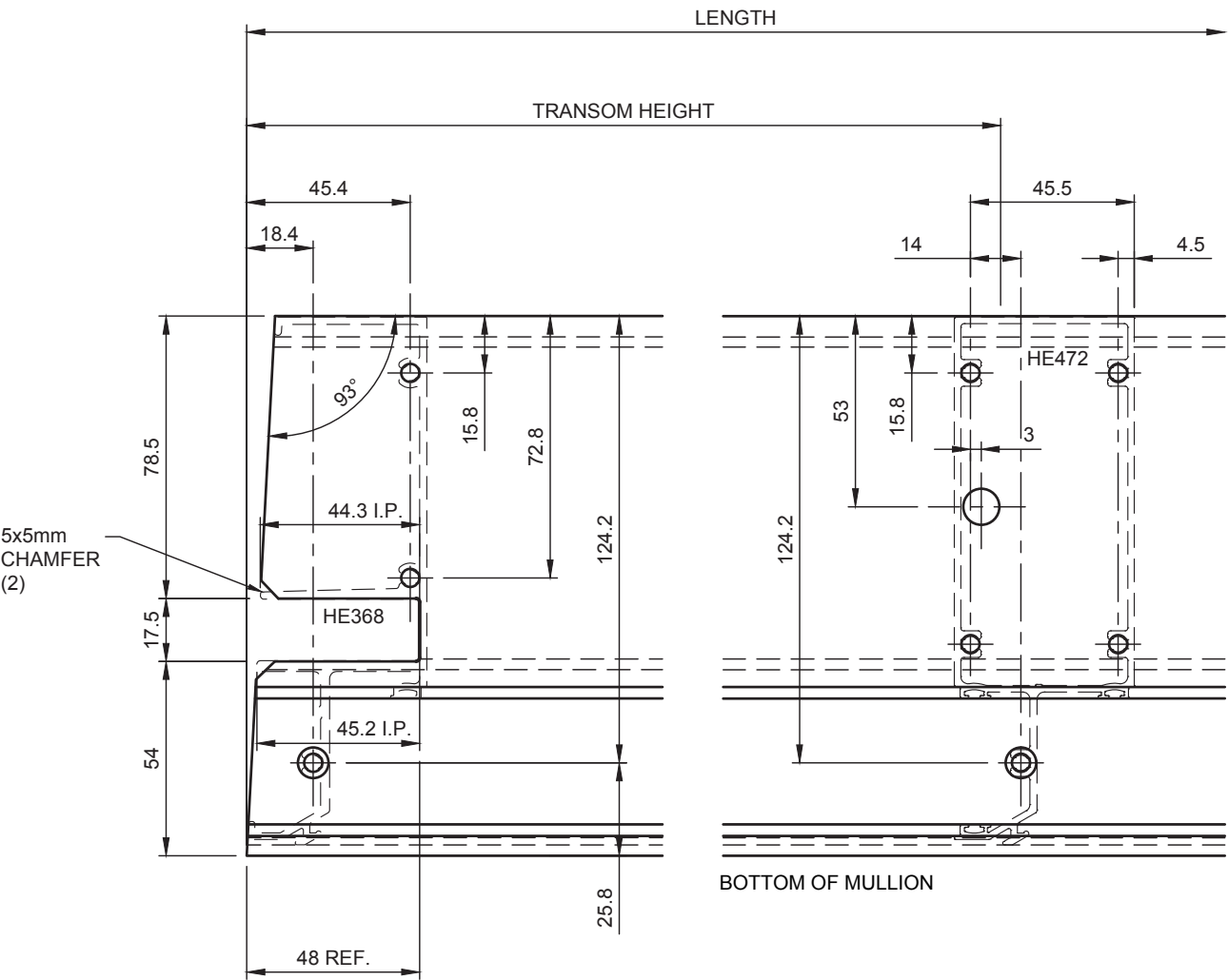
Male Mullion Preparation MM-01



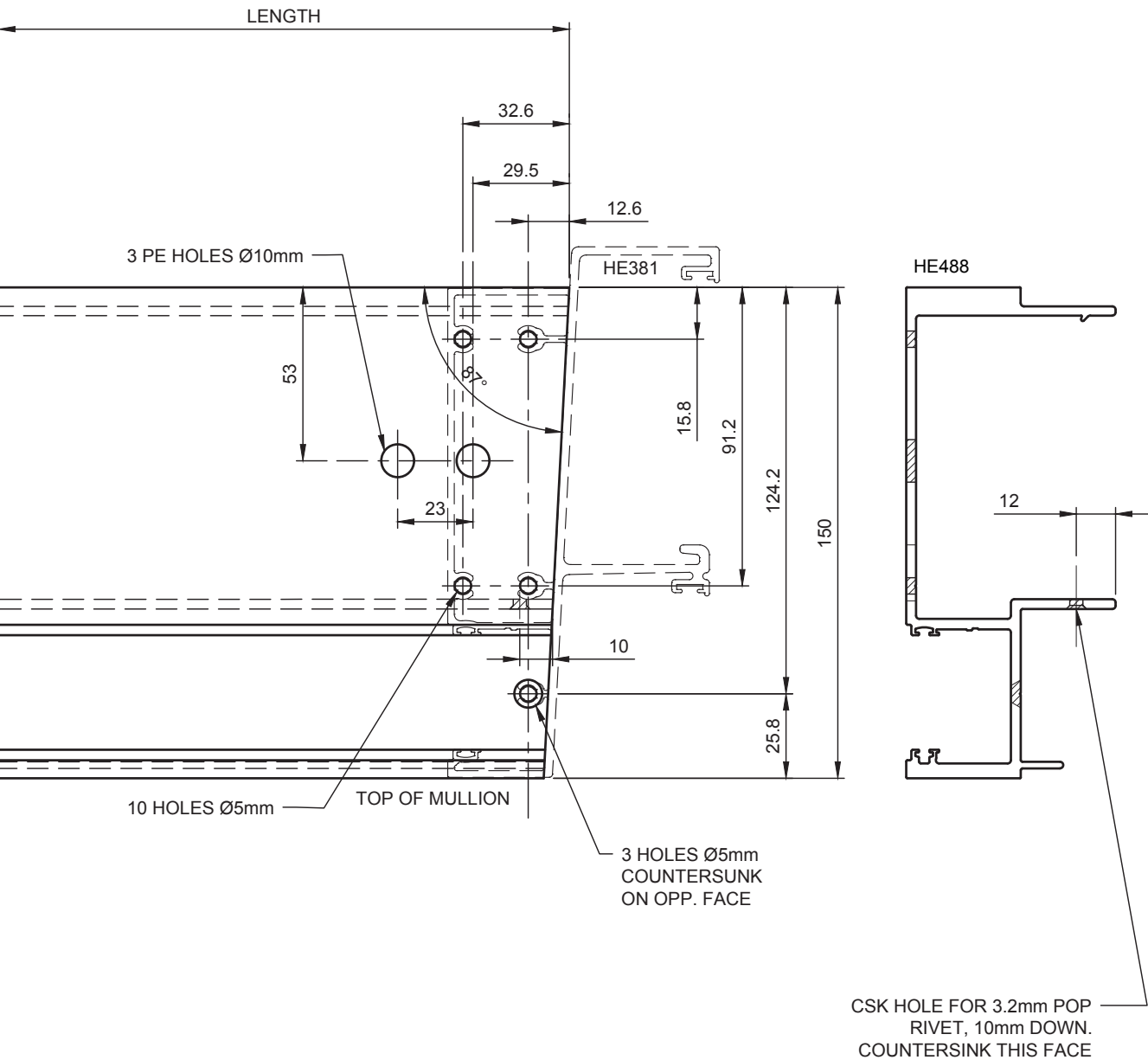
Male Mullion Preparation MM-01



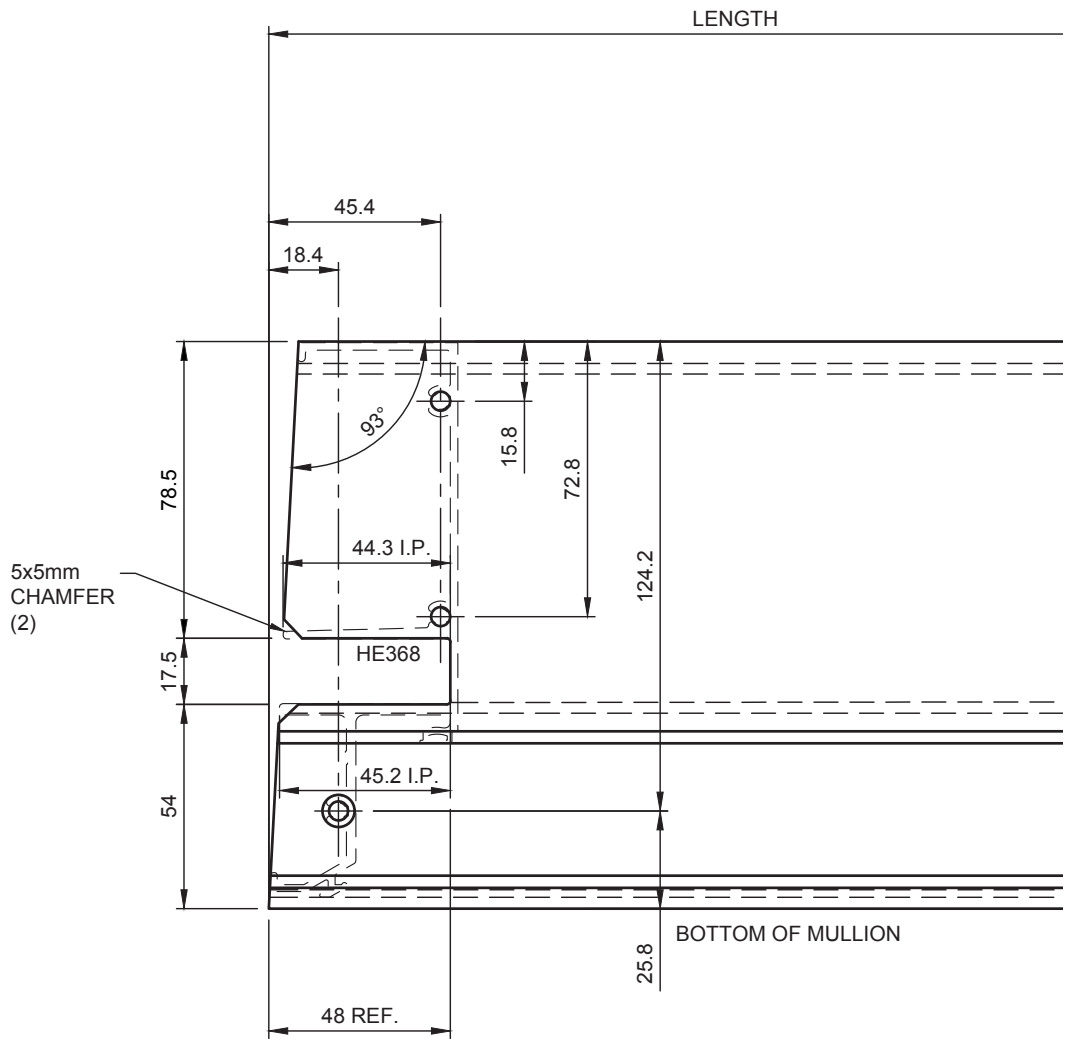
Male Mullion Preparation with Transom MM-02



Male Mullion Preparation with Transom MM-02

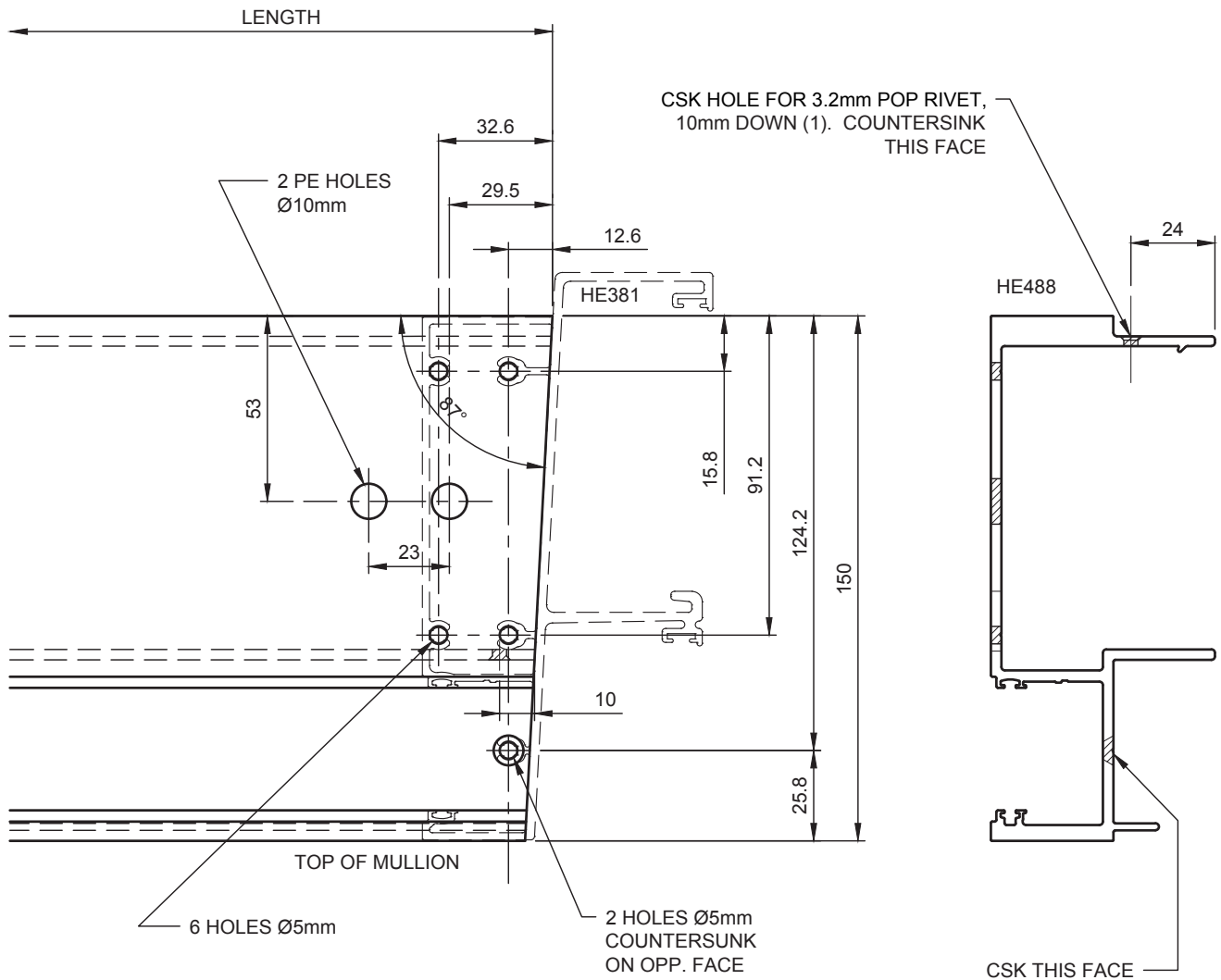


Male Mullion Preparation MM-03

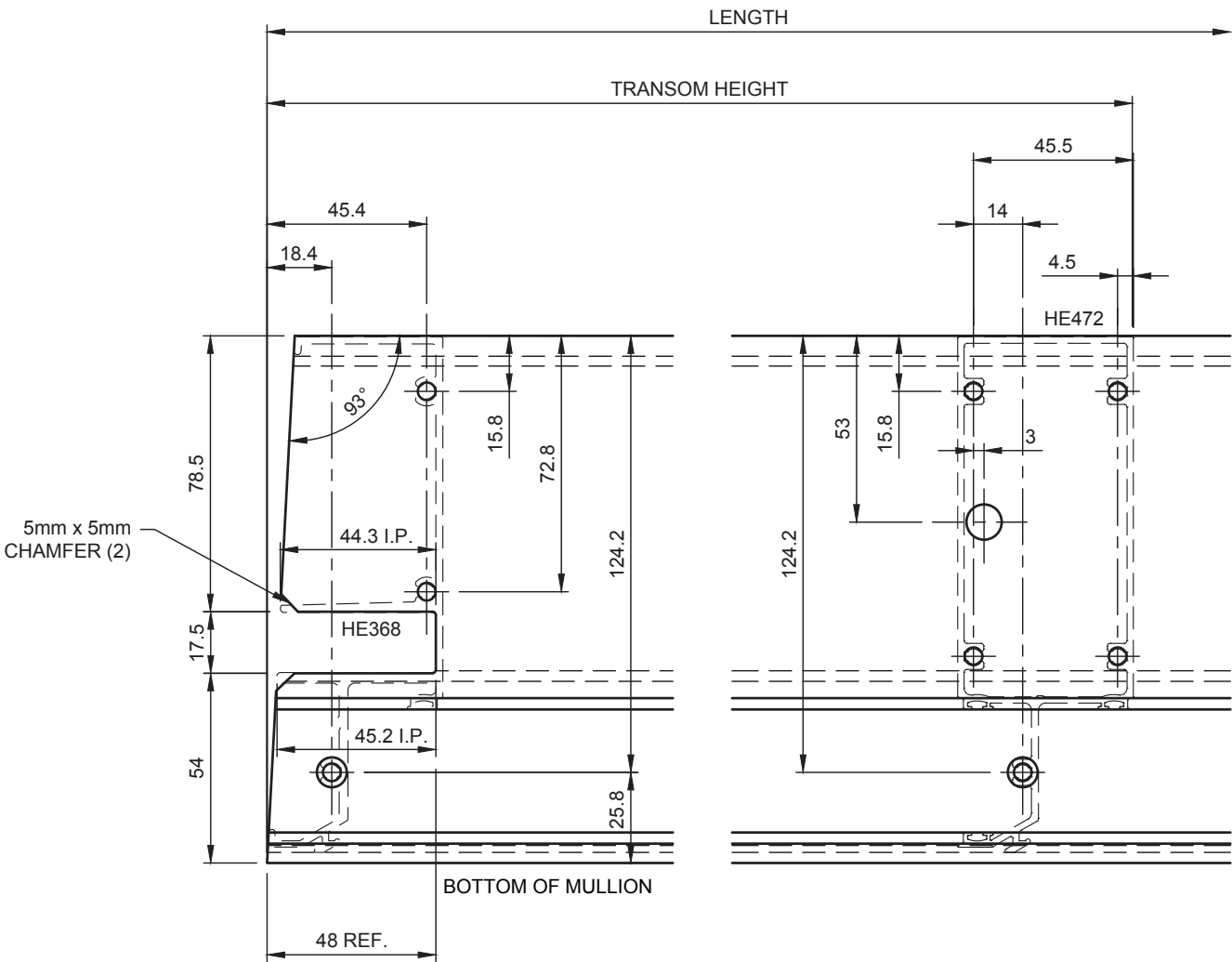




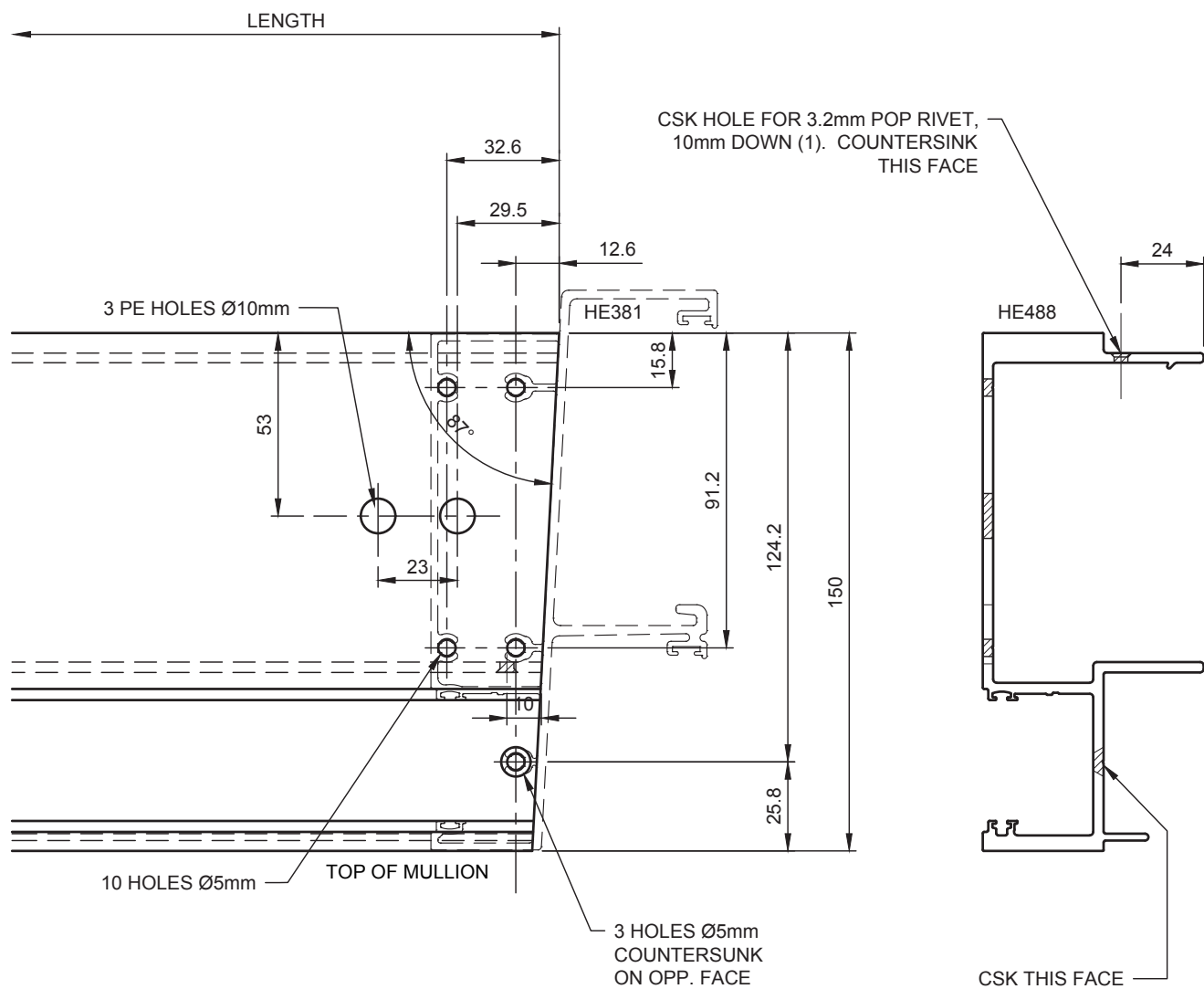
Male Mullion Preparation MM-03



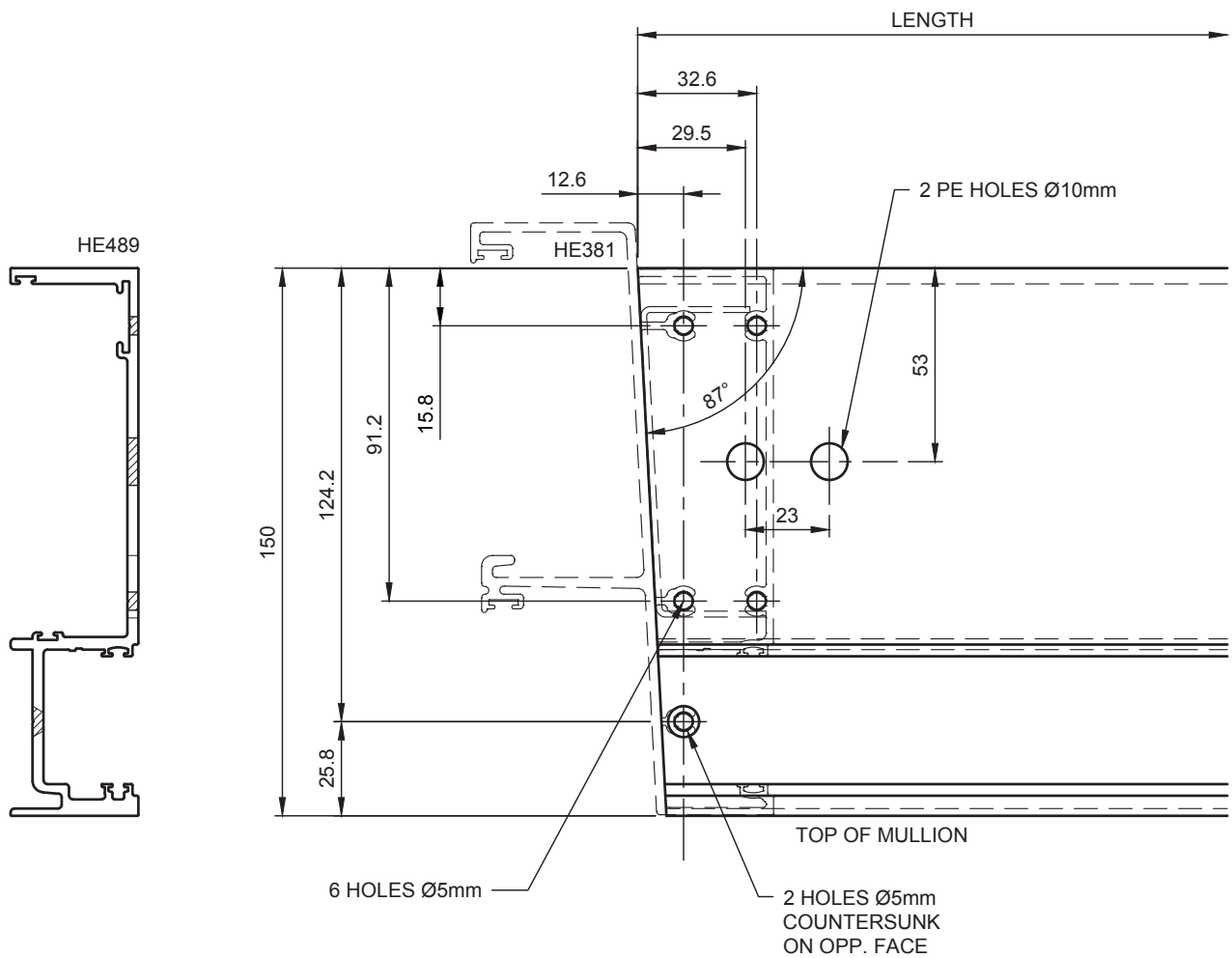
Male Mullion Preparation MM-04



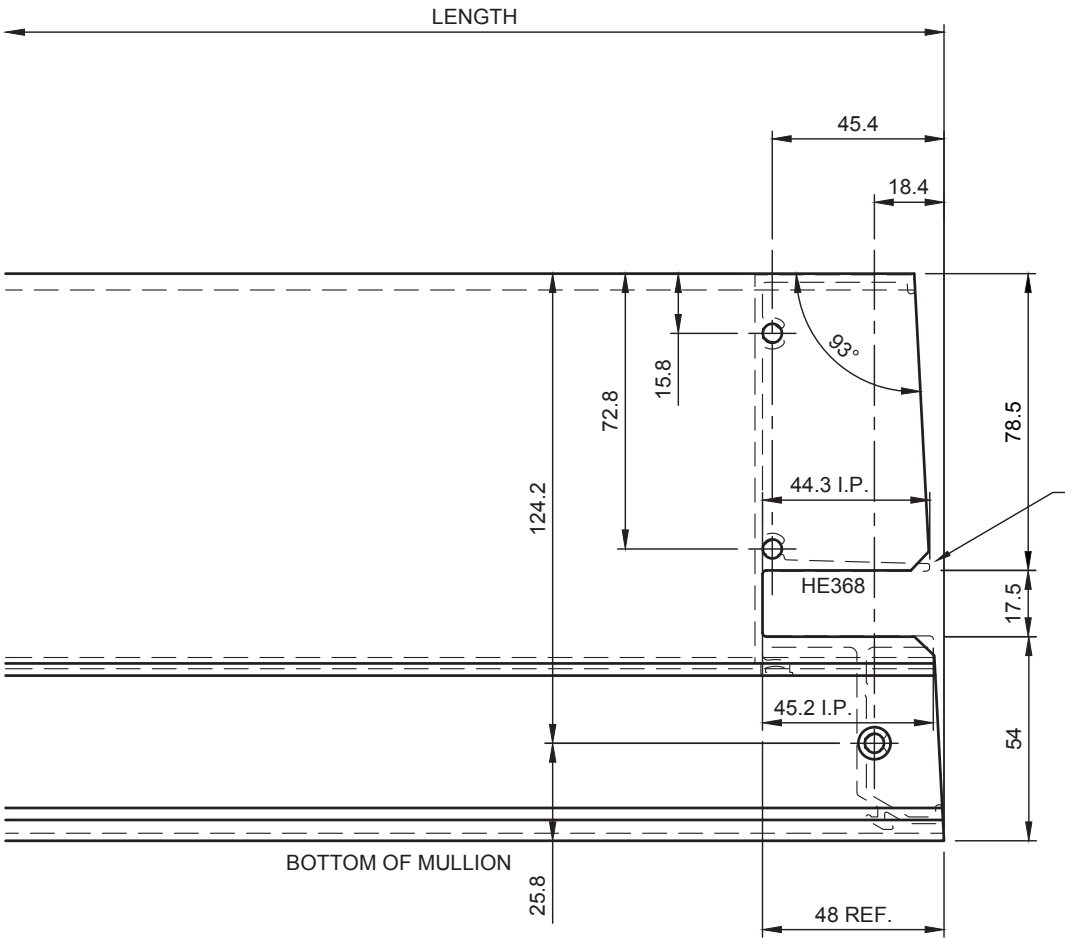
Male Mullion Preparation MM-04



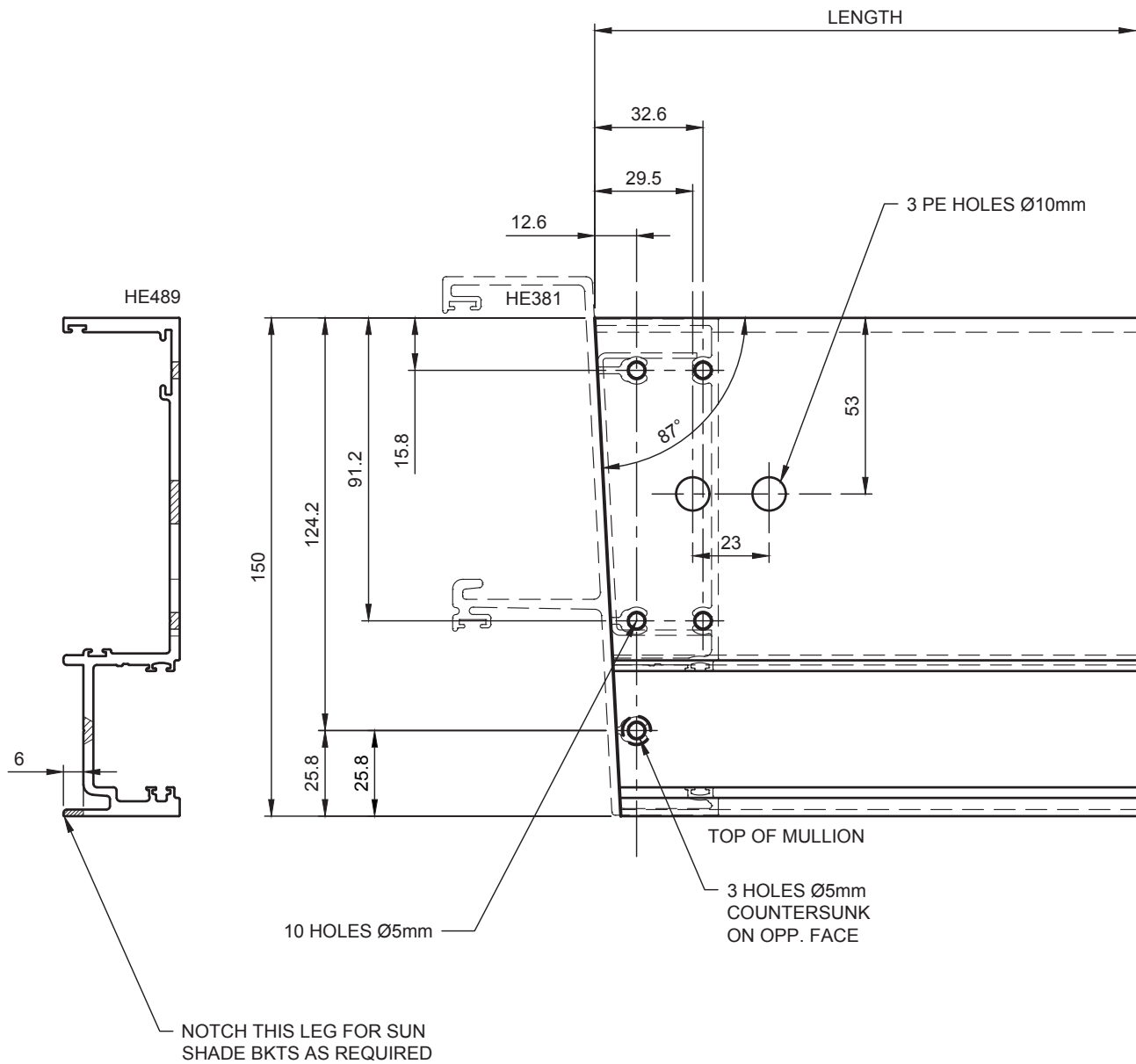
Female Mullion Preparation FM-01



Female Mullion Preparation FM-01

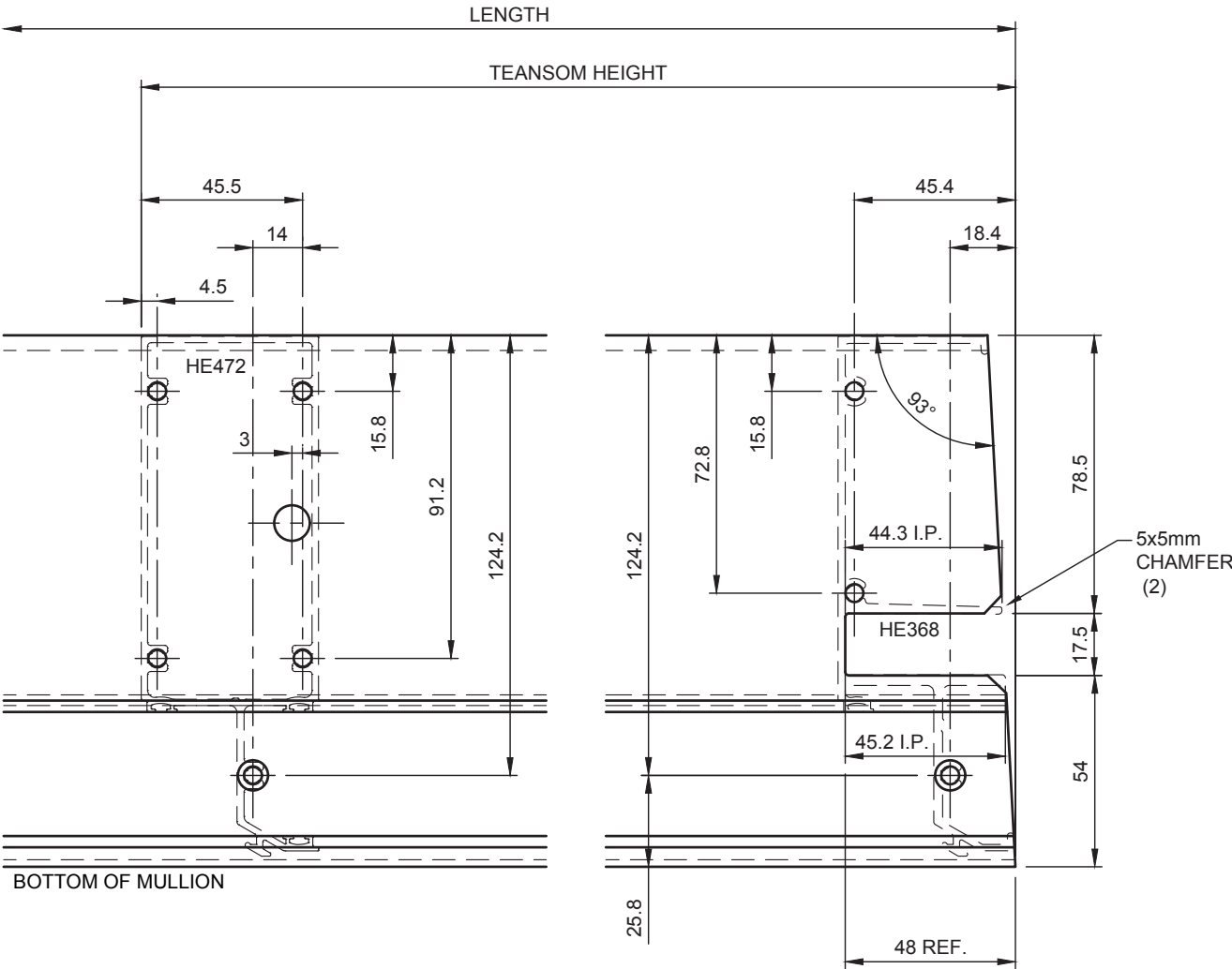


Female Mullion Preparation FM-02

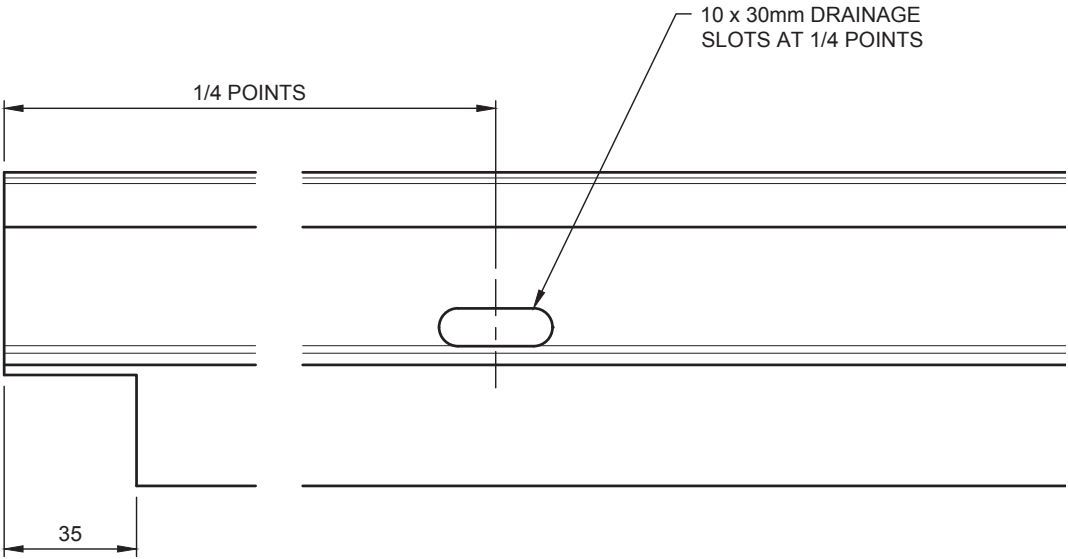
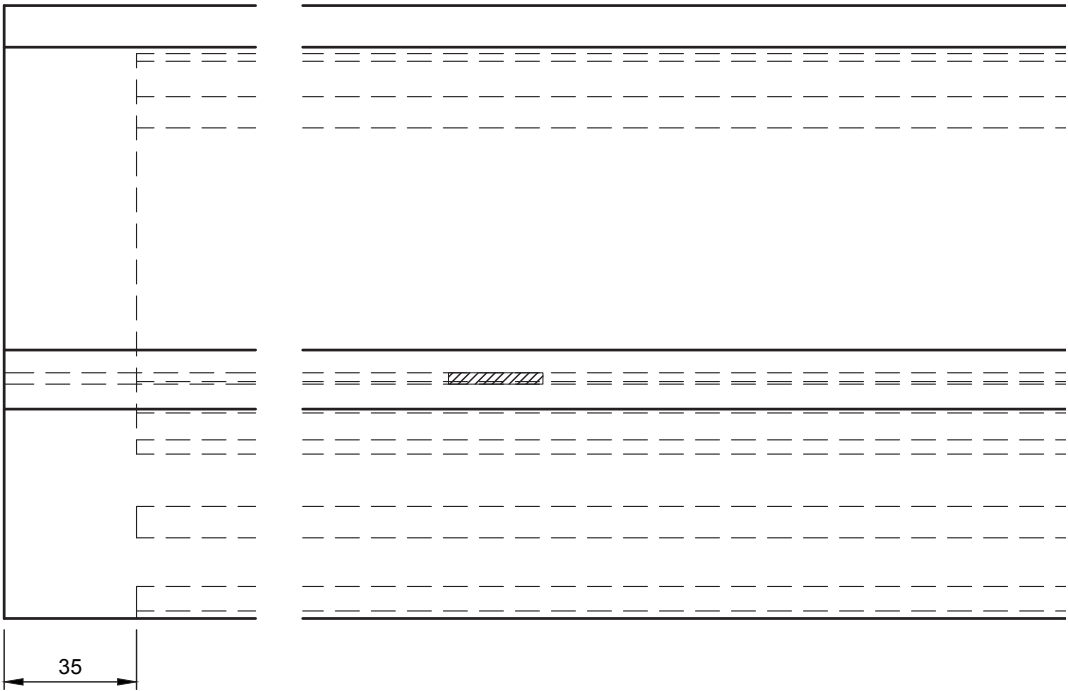




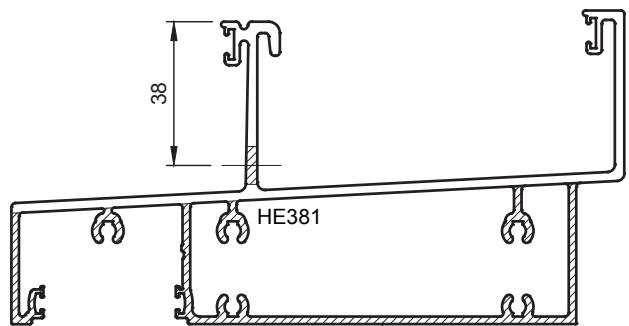
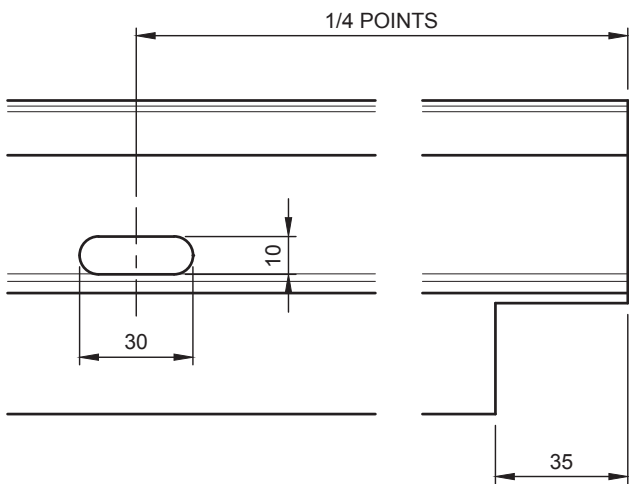
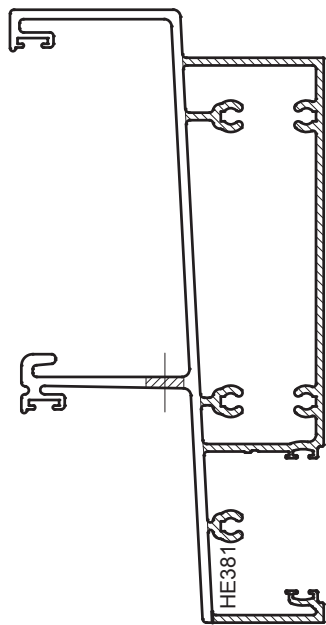
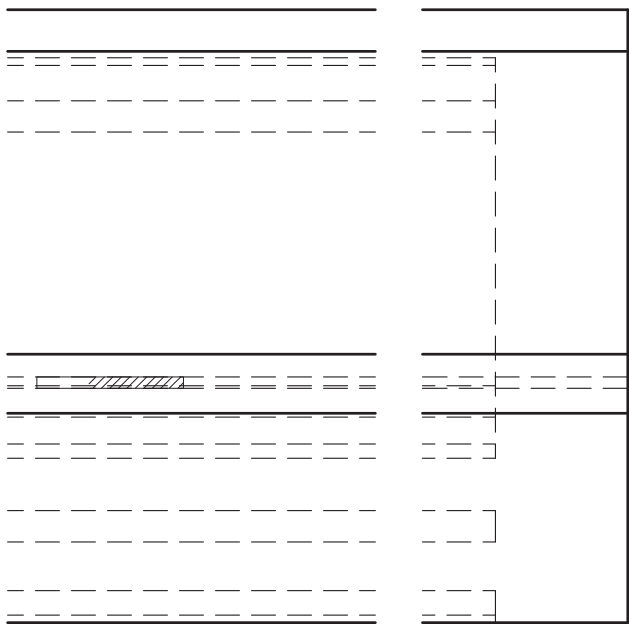
Female Mullion Preparation FM-02



Stack Head Preparation H-01

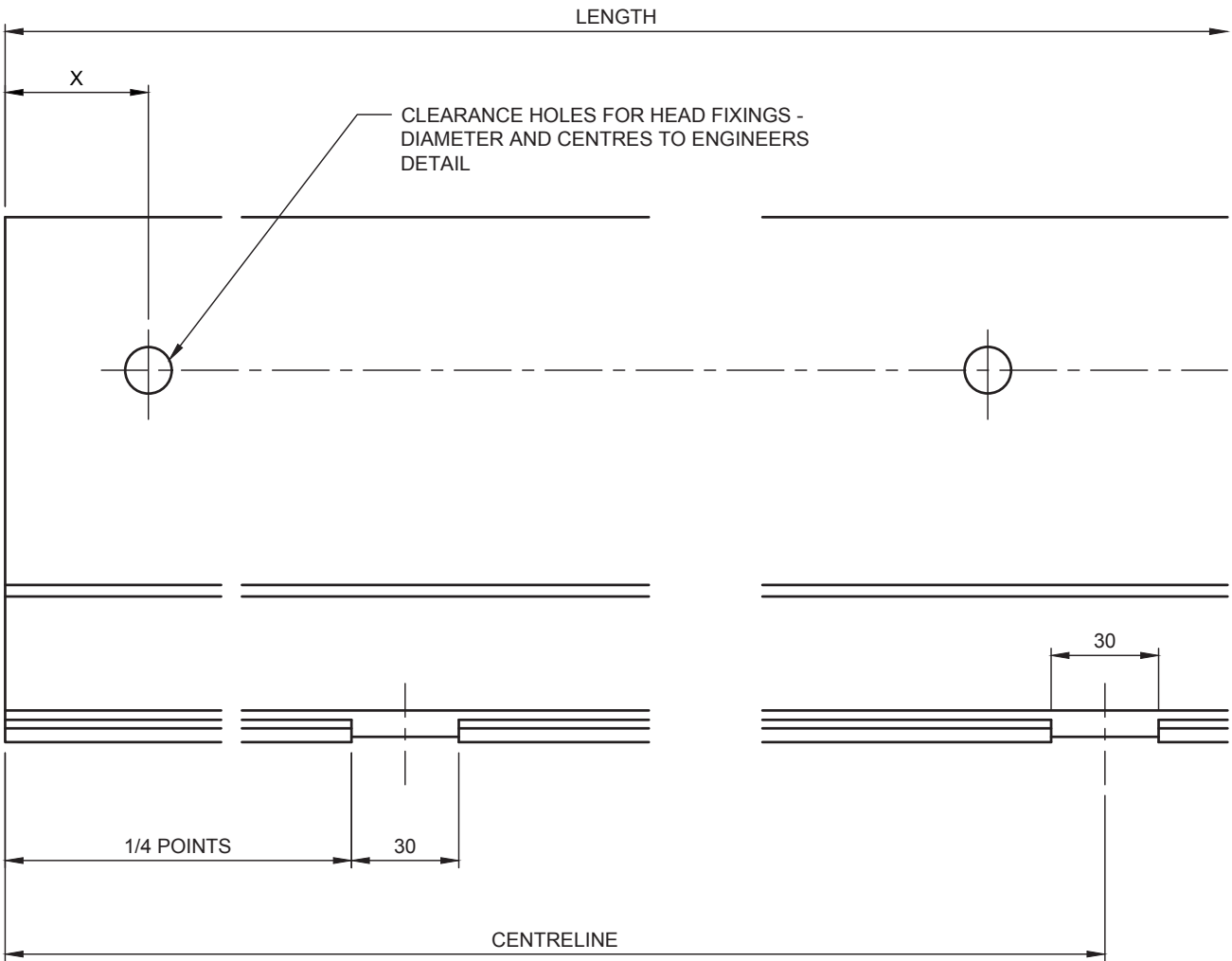


Stack Head Preparation H-01

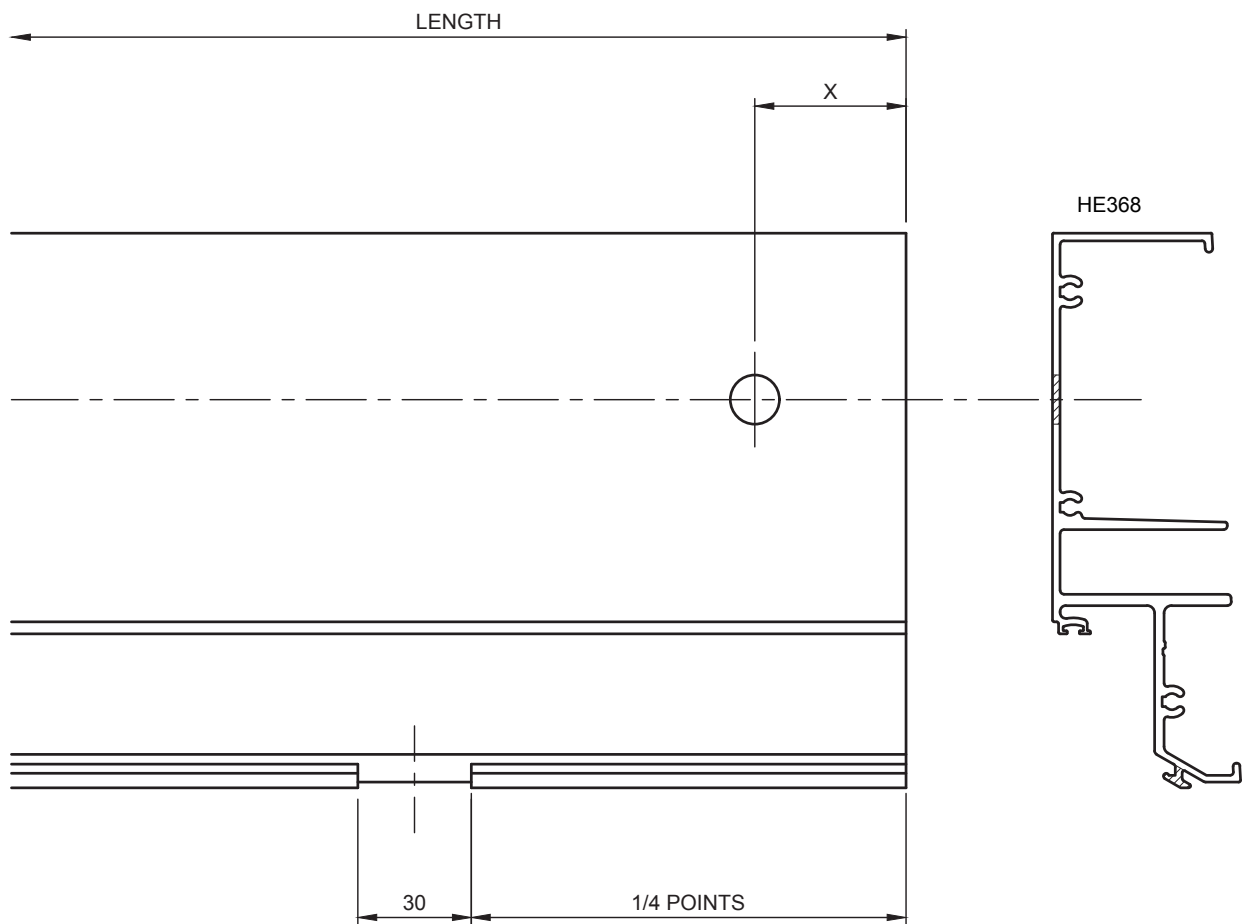


HATCHED AREA TO BE NOTCHED 35mm FROM BOTH ENDS

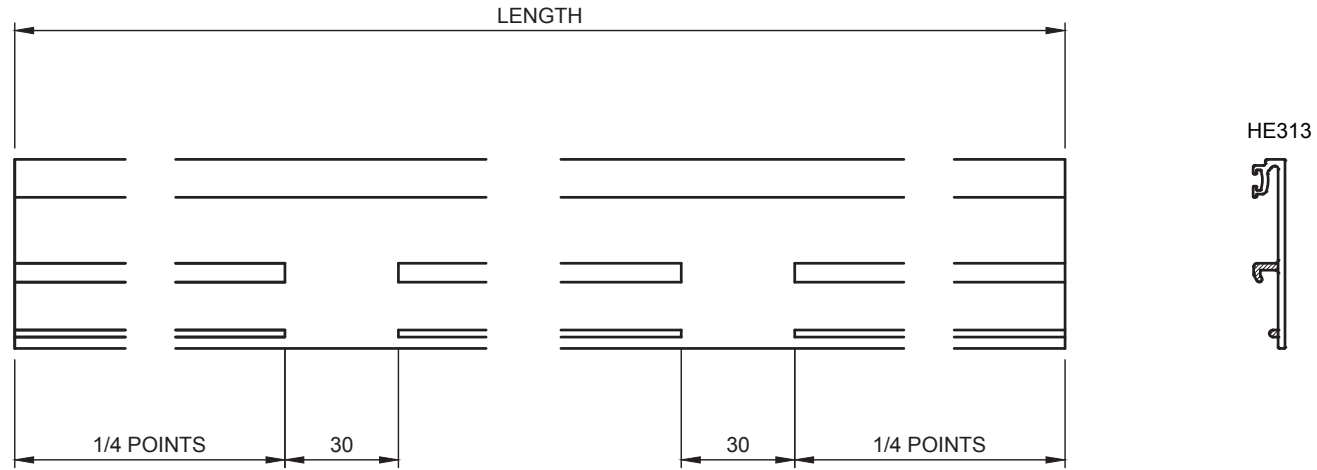
Sub Head Preparation SH-01



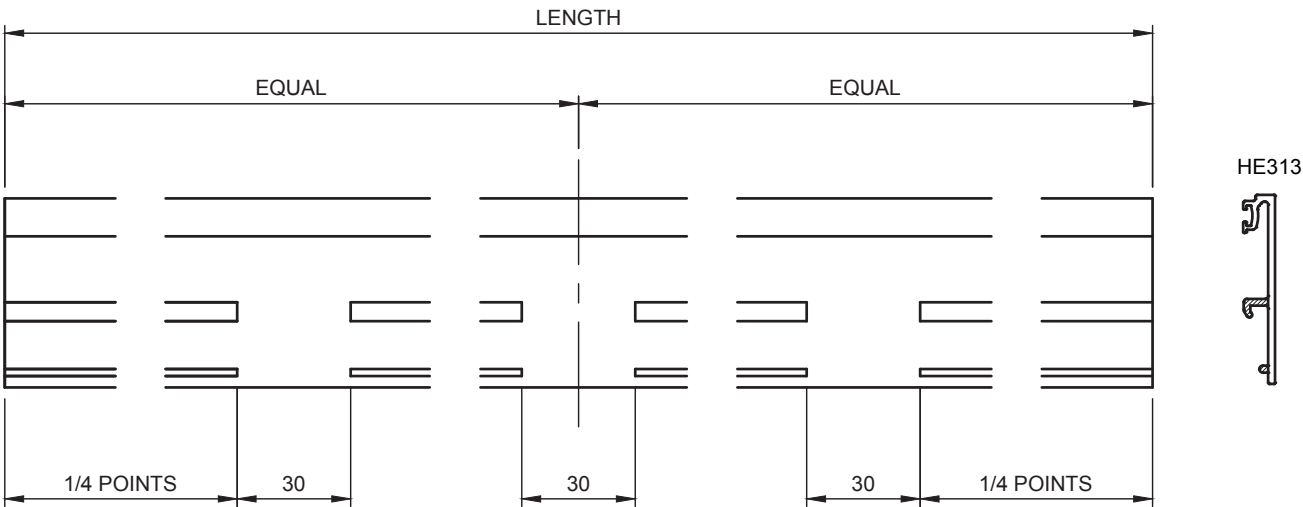
Sub Head Preparation SH-01



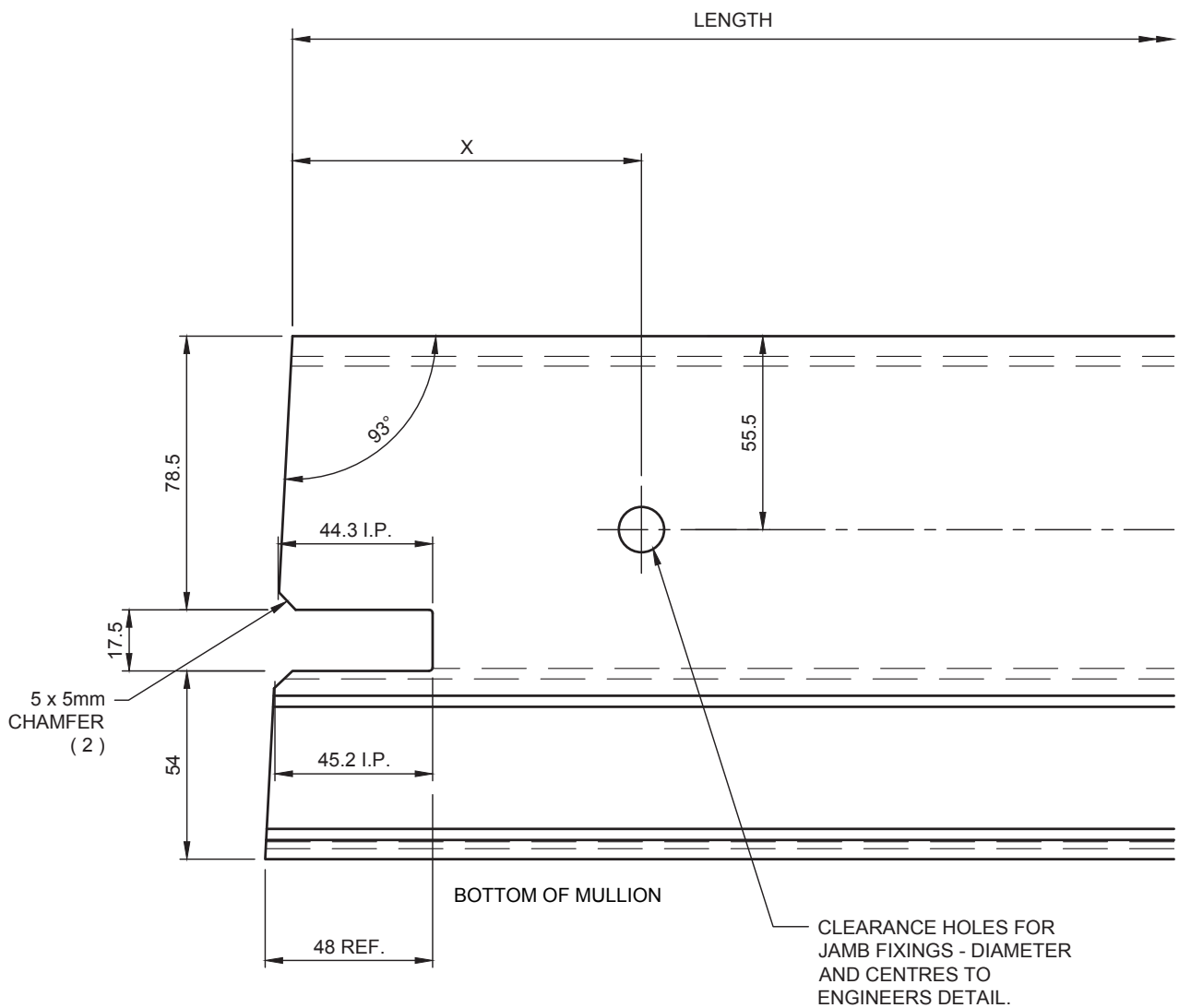
Sill / Transom Bead Preparation B-01



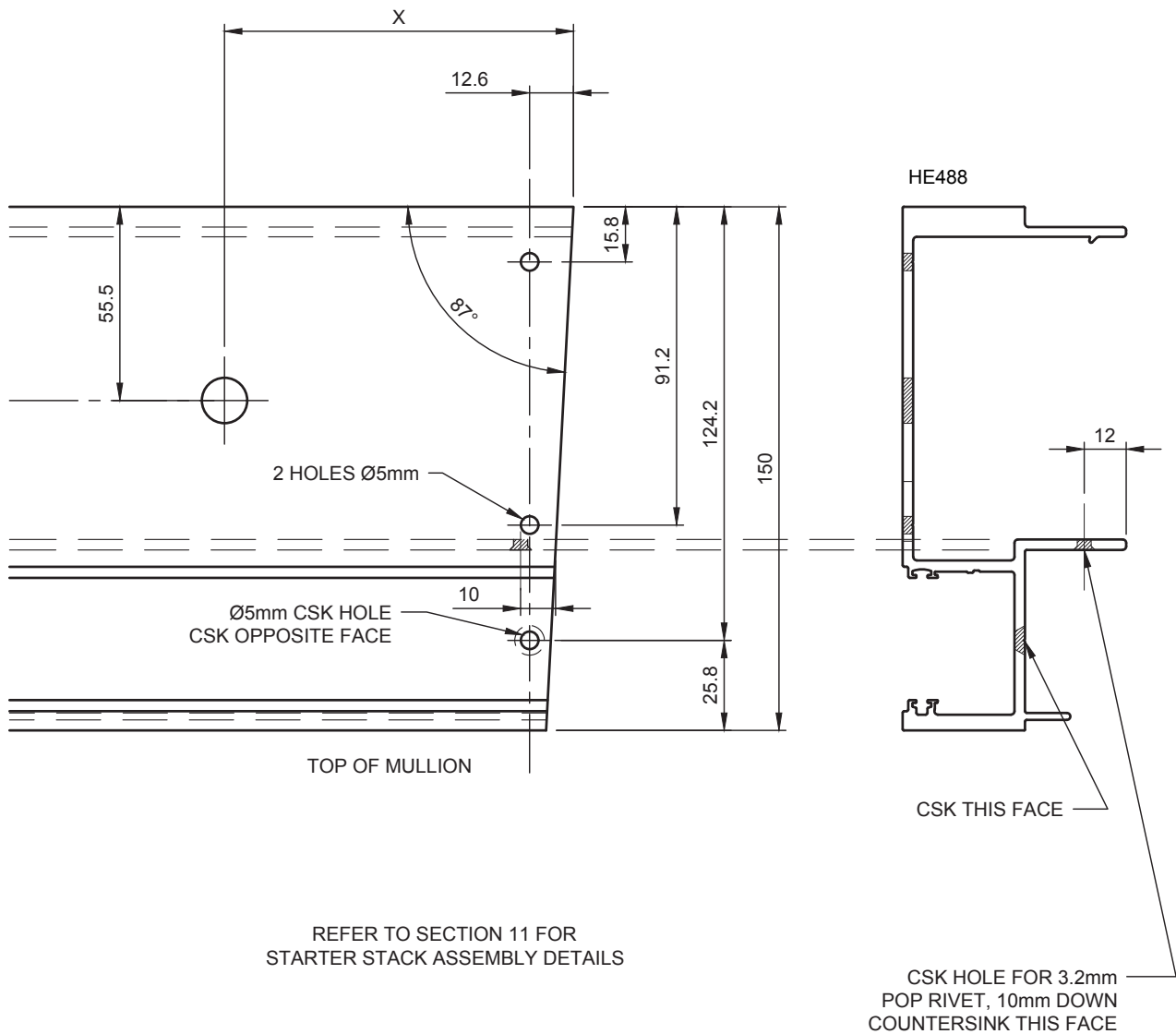
Head Bead Preparation B-02



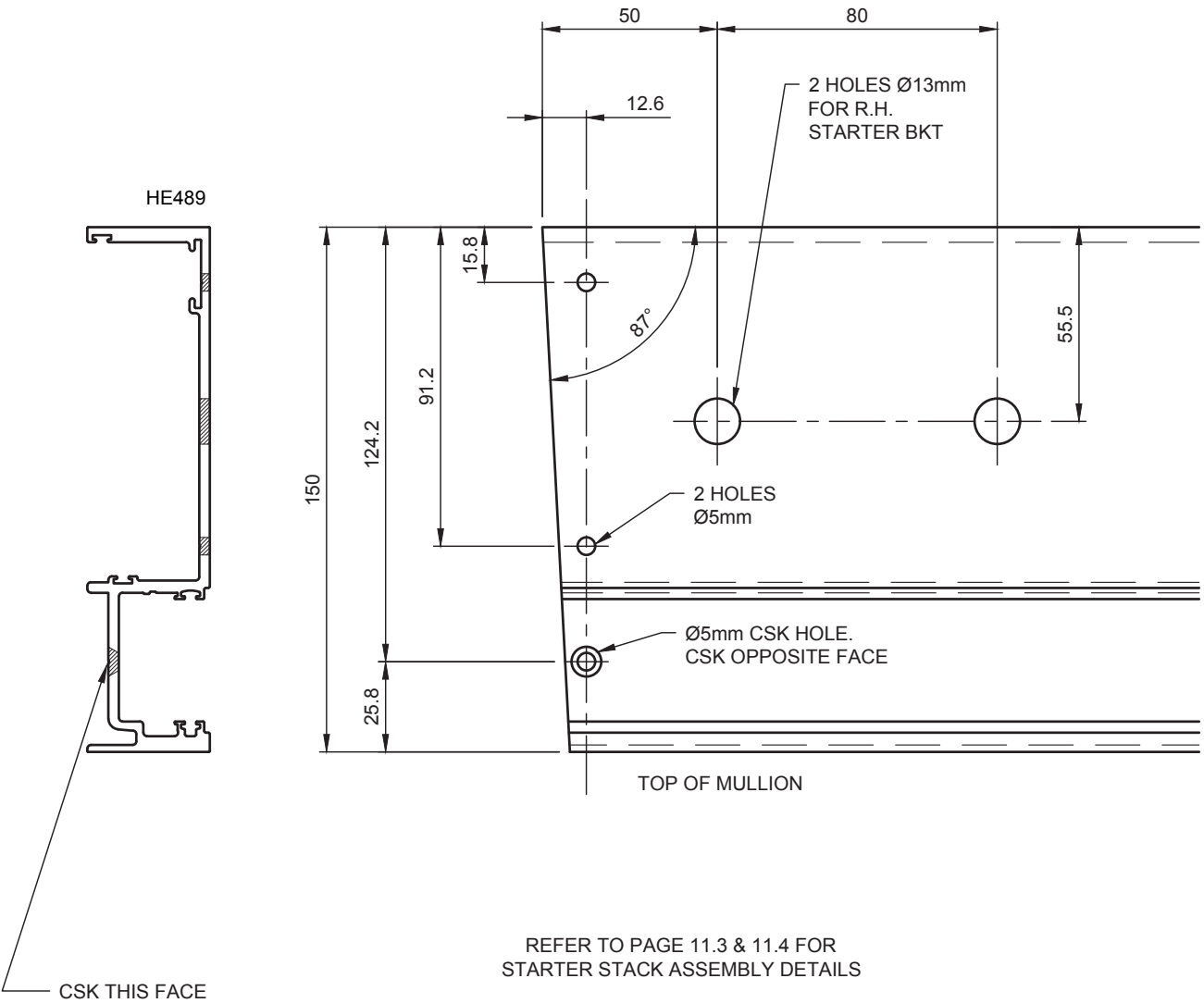
Left Starter Mullion Preparation SM-01



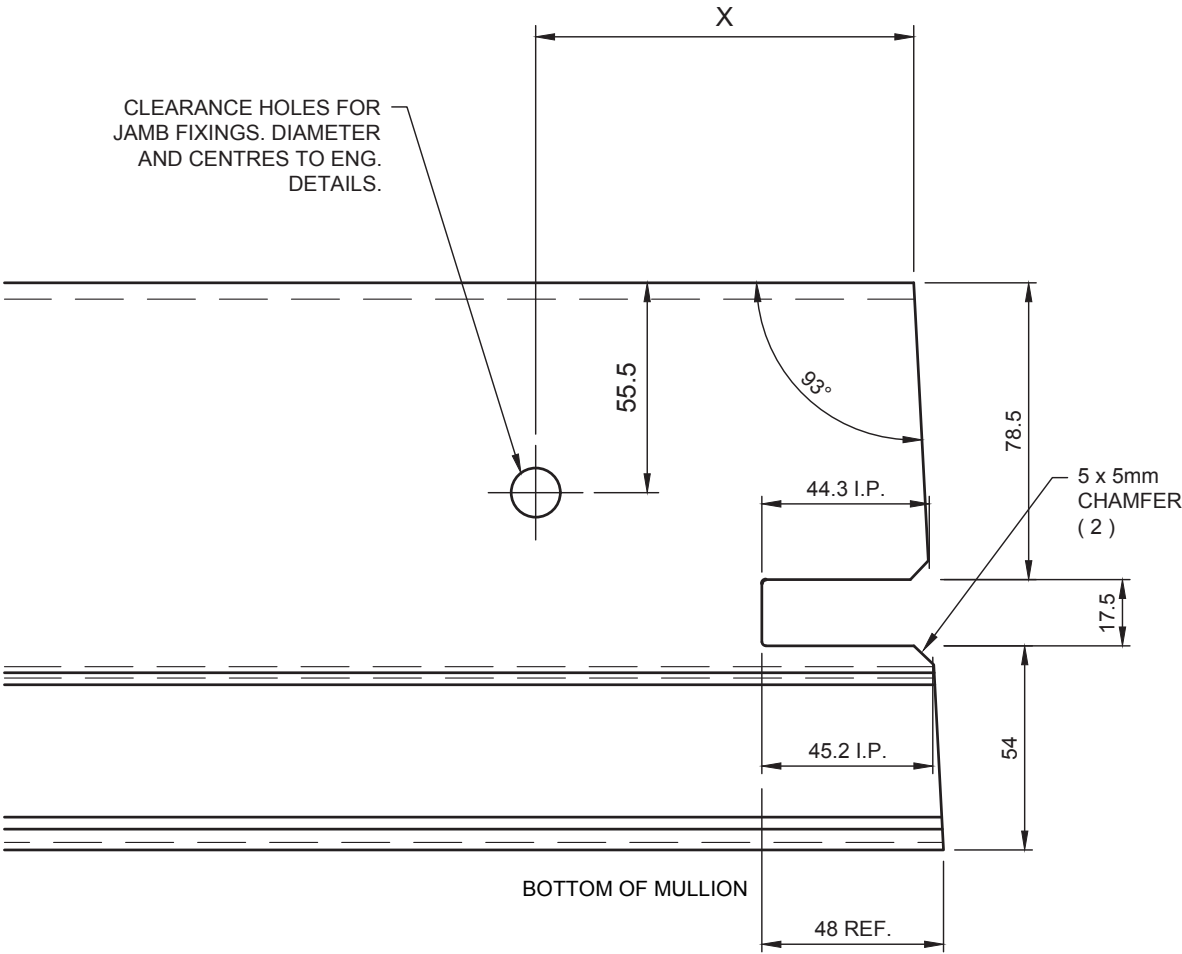
Left Starter Mullion Preparation SM-01



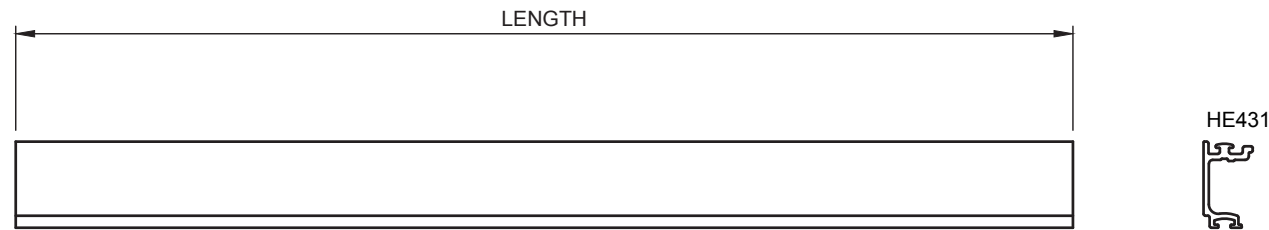
Right Starter Mullion Preparation SM-03



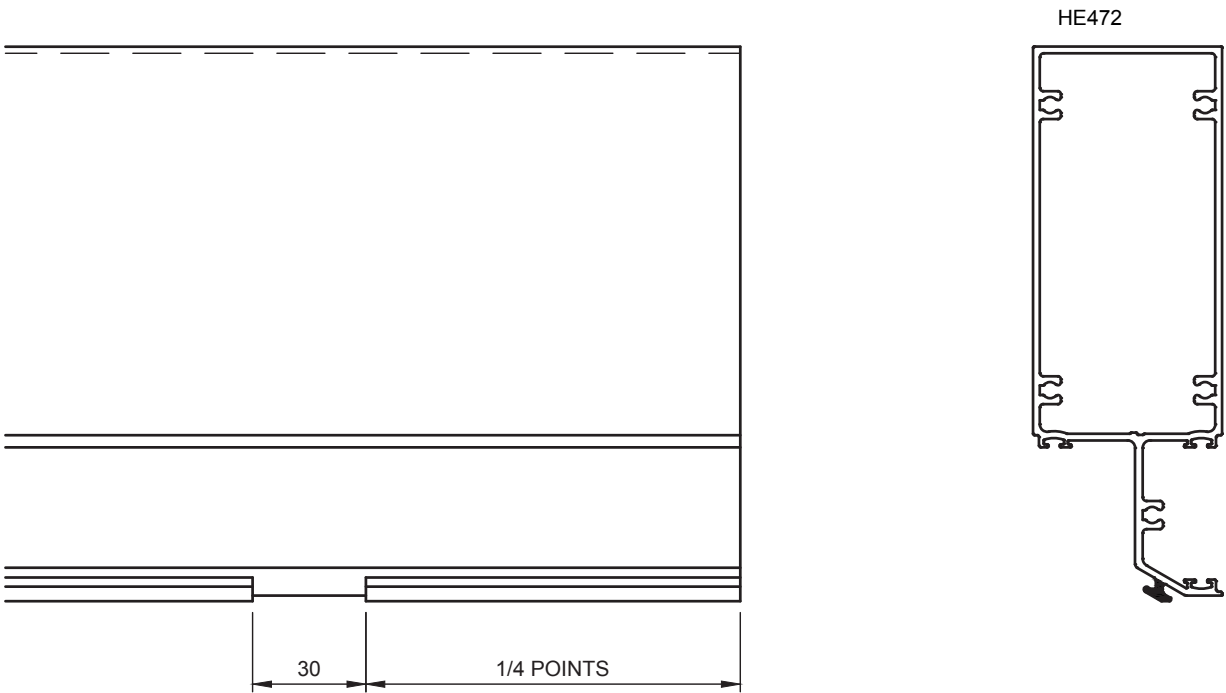
Right Starter Mullion Preparation SM-03



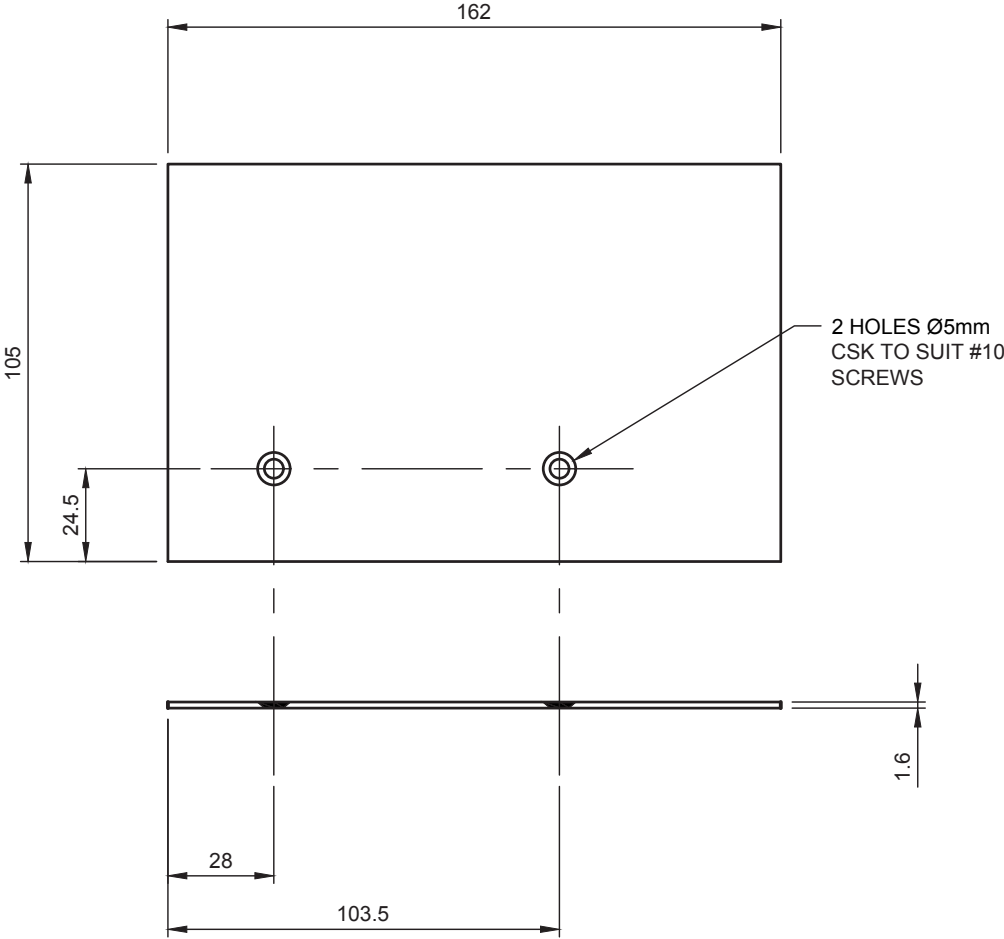
Single Glaze Adaptor SGA-01



Transom Drainage Preparation TD-01

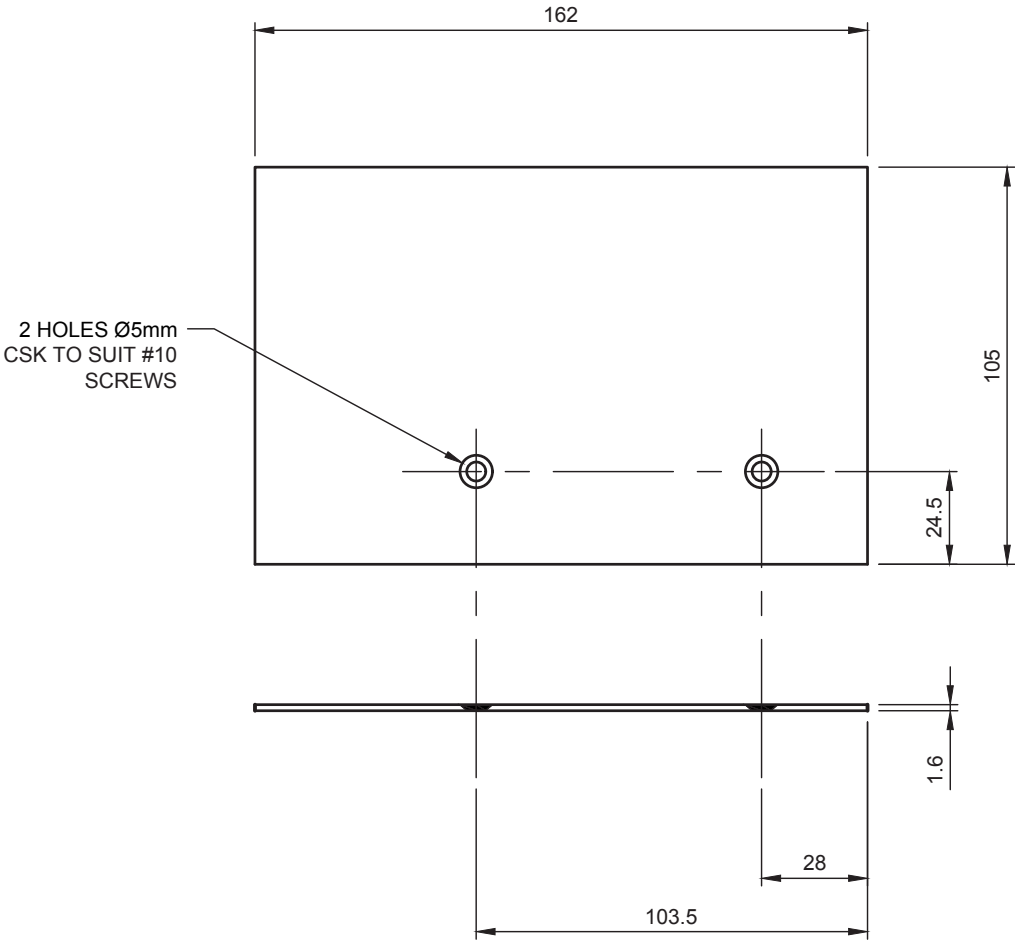


Stack End Plate - Left Hand SP-01



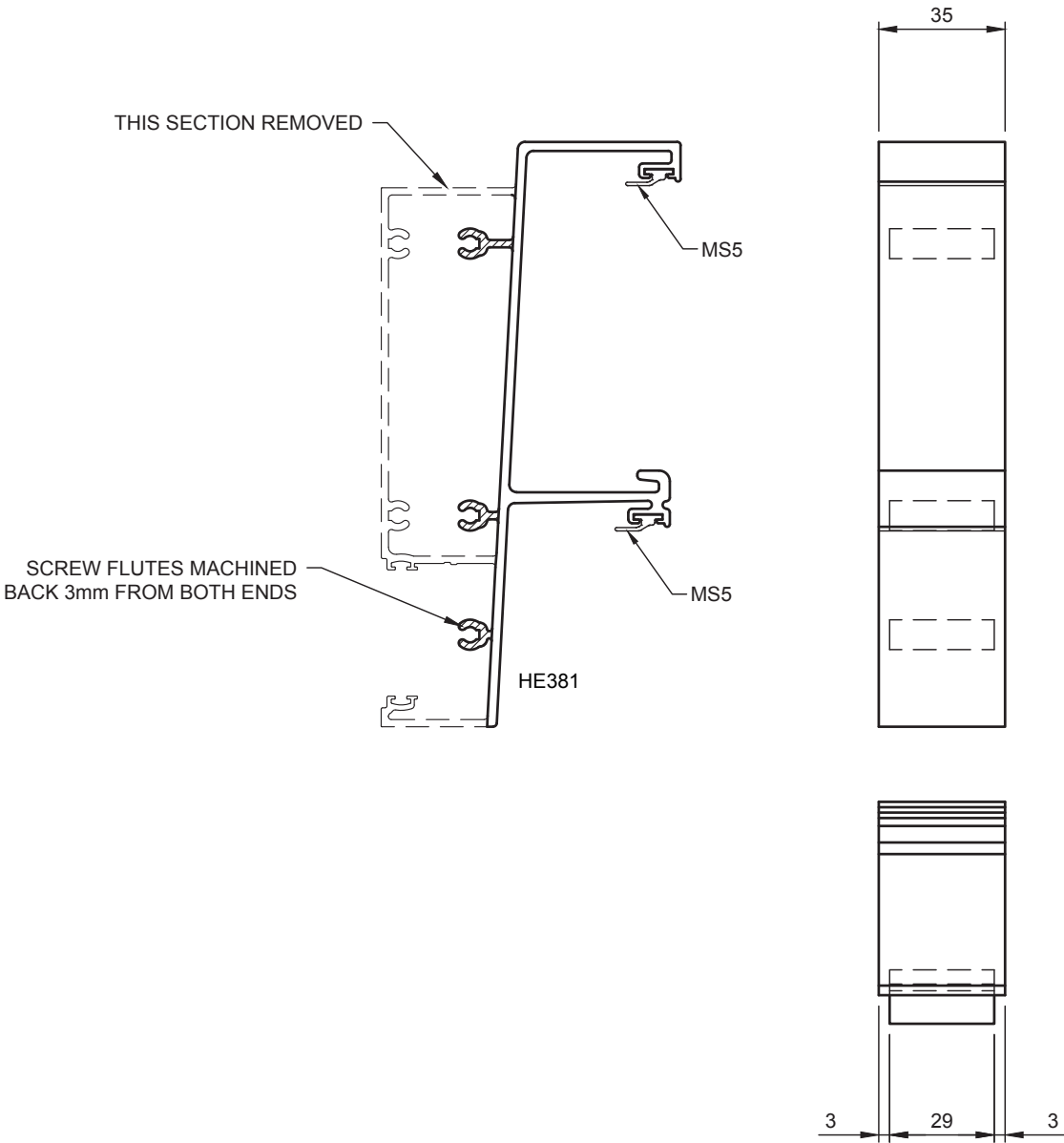
MATERIAL: 1.6mm ALUM. SHEET

Stack End Plate - Right Hand SP-02

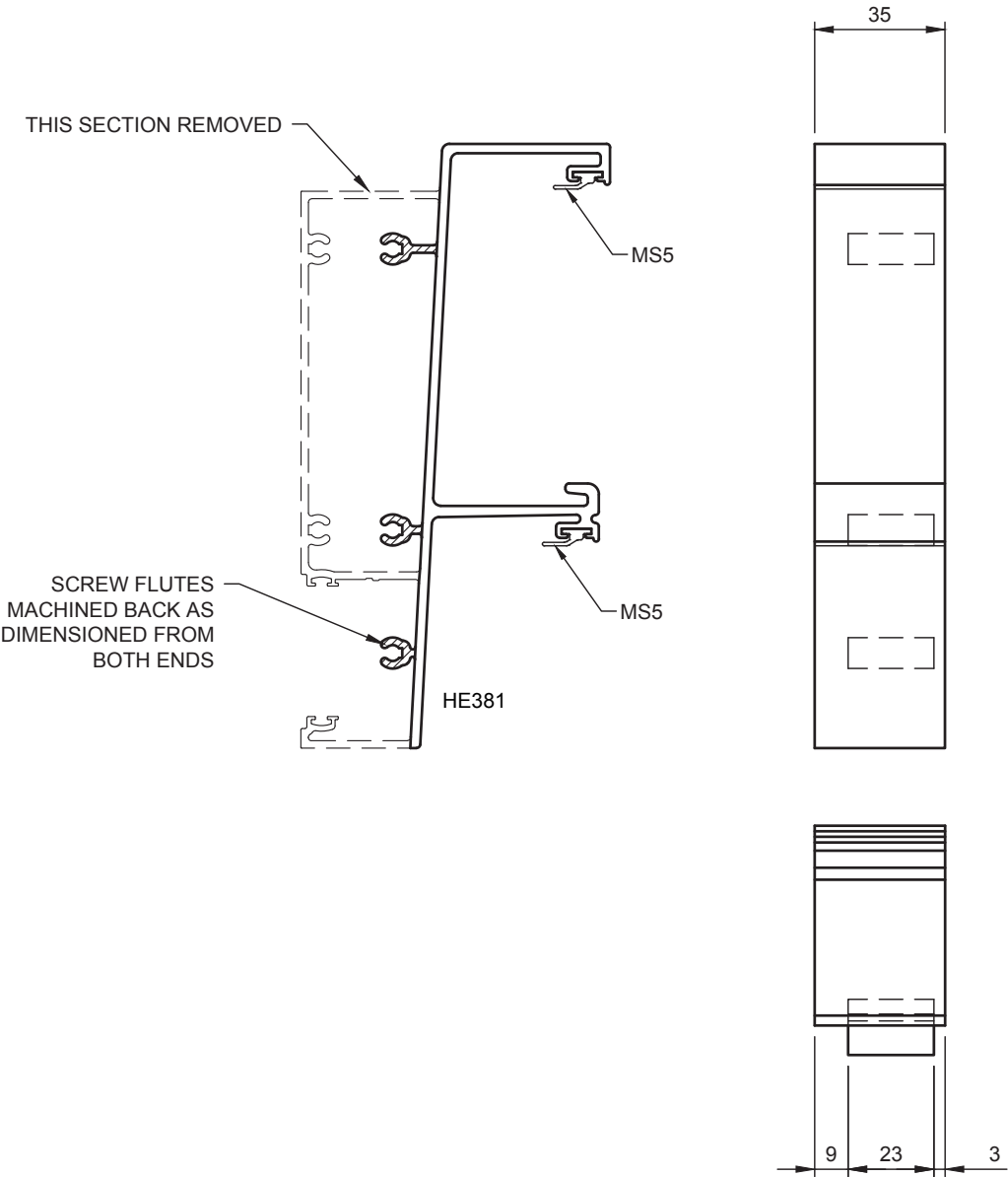


MATERIAL: 1.6mm ALUM. SHEET

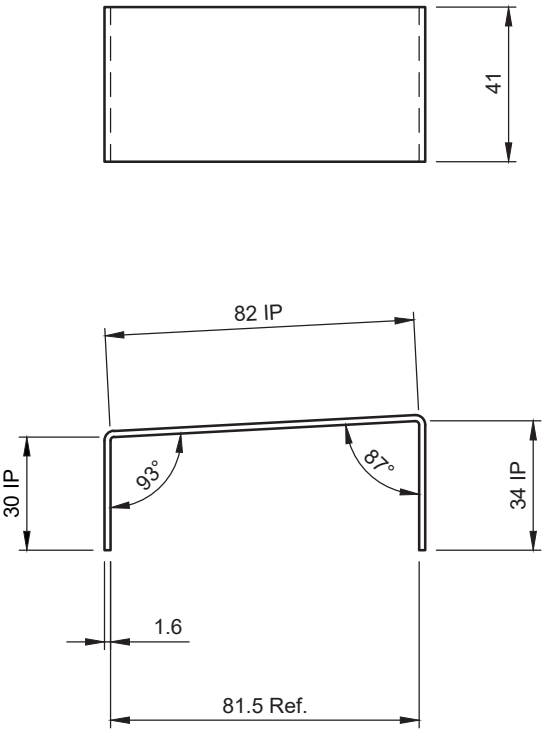
Starter Stack - Left Hand SP-03



Starter Stack - Right Hand SP-04



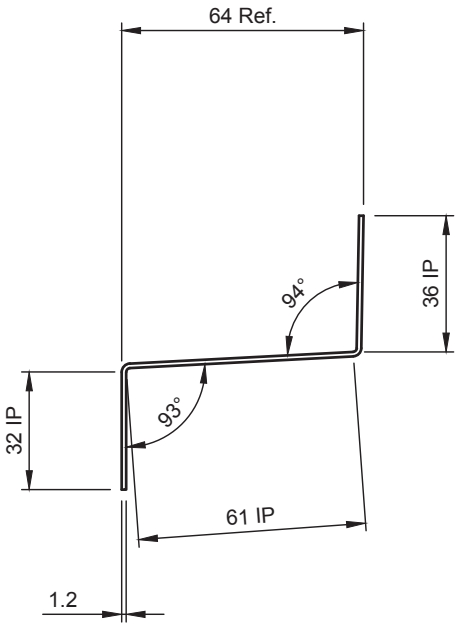
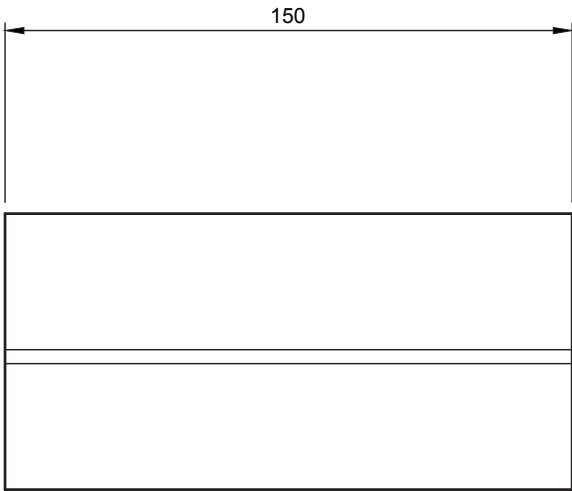
Panel Splice Bed SP-05



MATERIAL: 1.6mm ALUM. SHEET

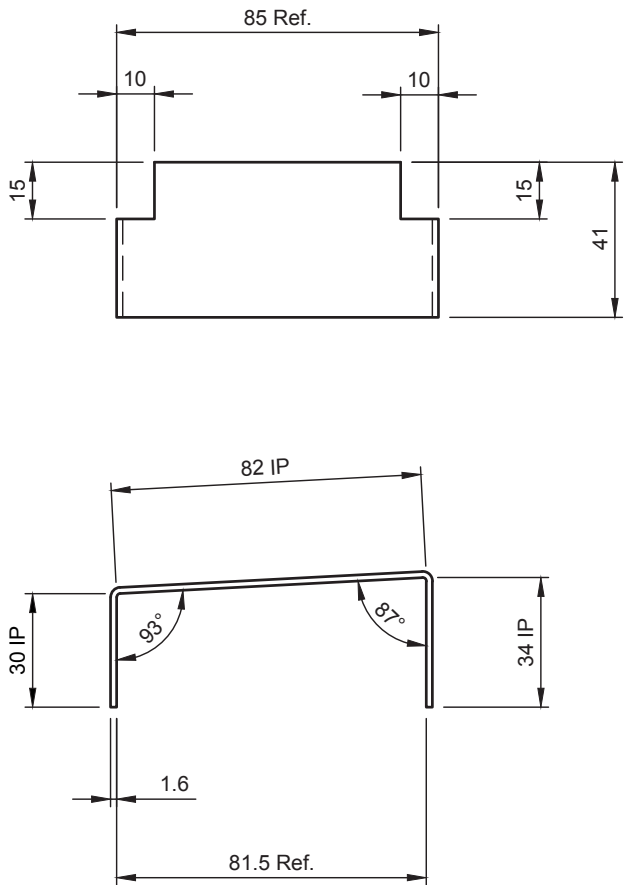
MAKE FROM HE013 PANEL SPLICE BED

Panel Joint Flashing SP-06



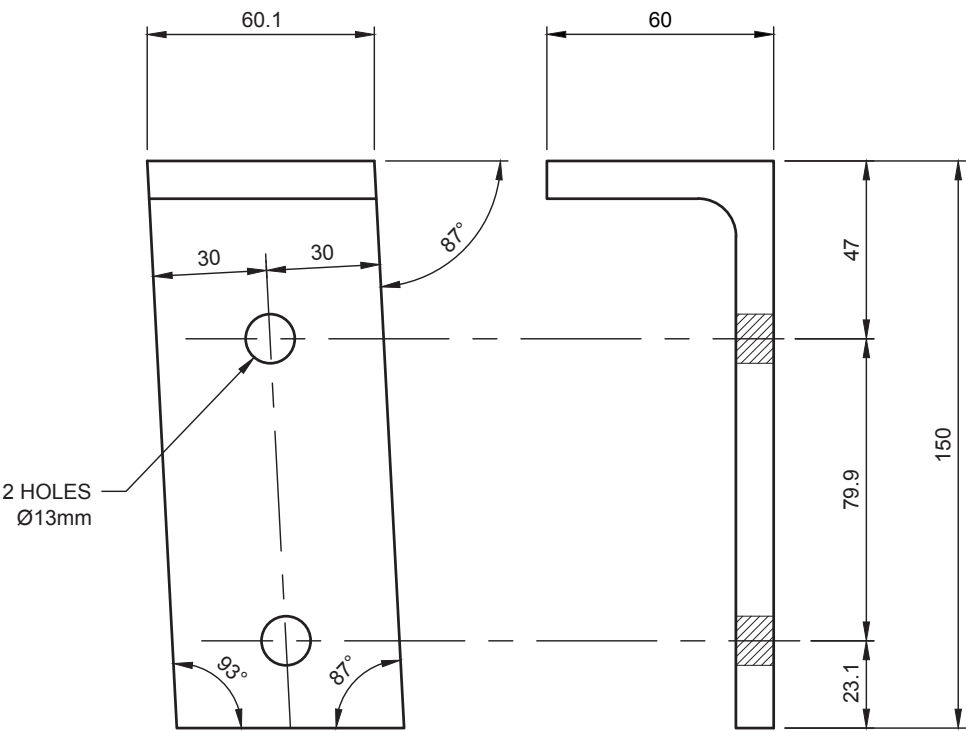
MATERIAL: 1.2mm ALUM. SHEET

Cut Panel Splice Bed SP-07



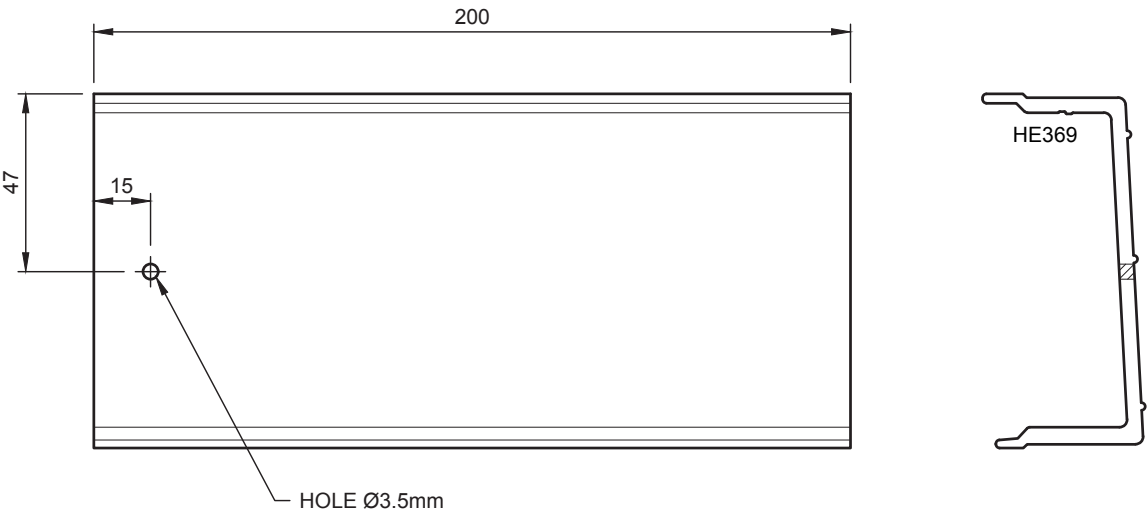
MAKE FROM PANEL SPLICE BED SP-05

Right Hand Starter Bracket SP-08

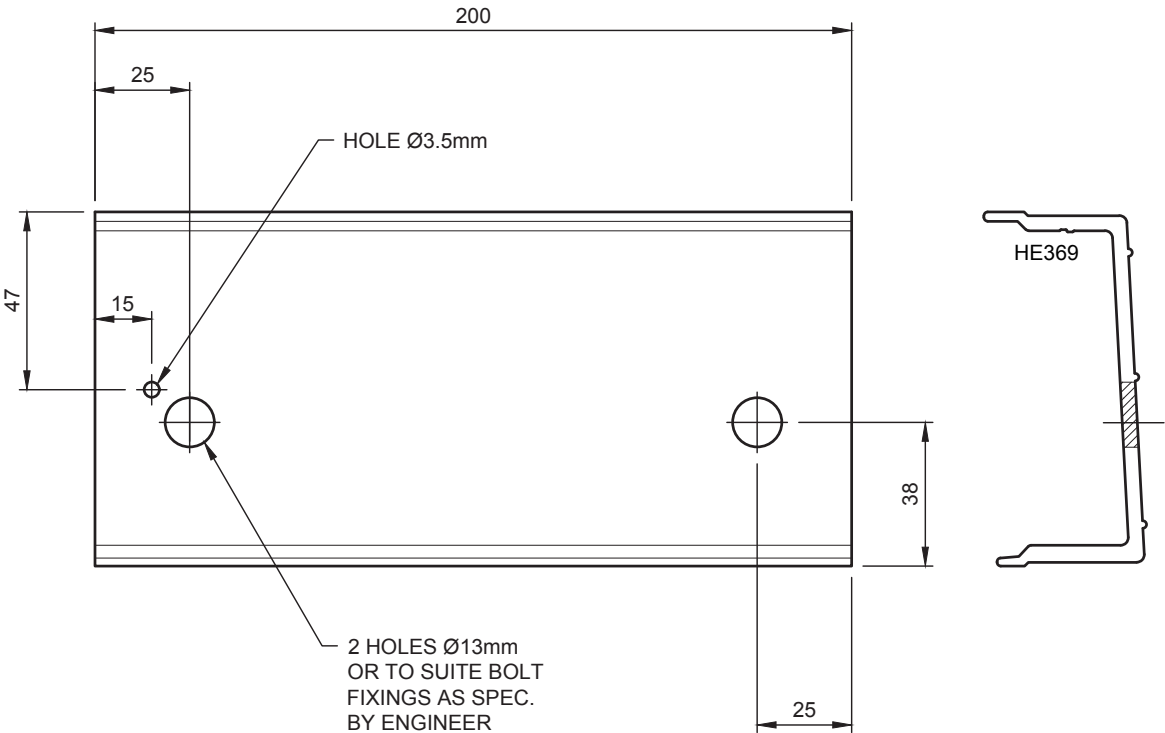


CUT FROM HE009 STRUCTURAL BRACKET

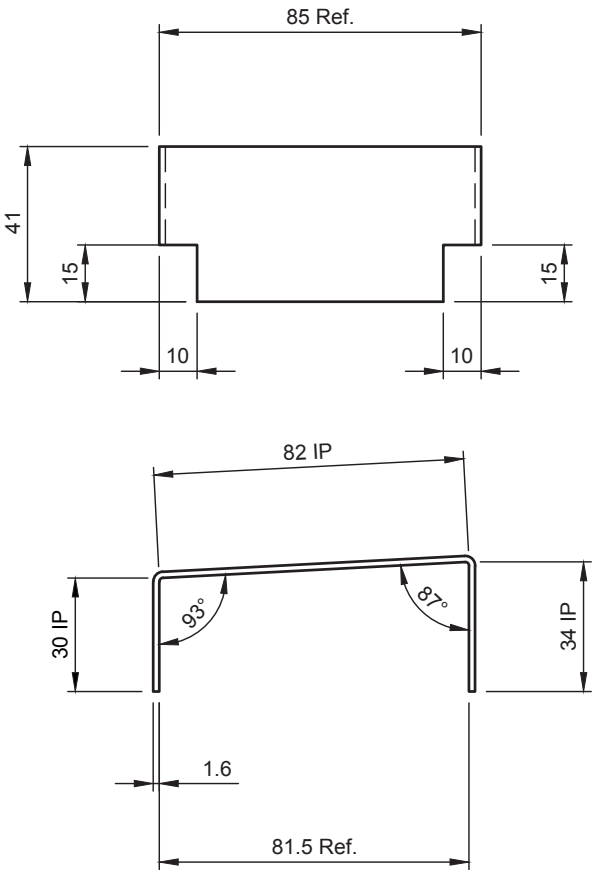
Structural Splice SP-09



Sub Sill Splice at Fixings SP-10

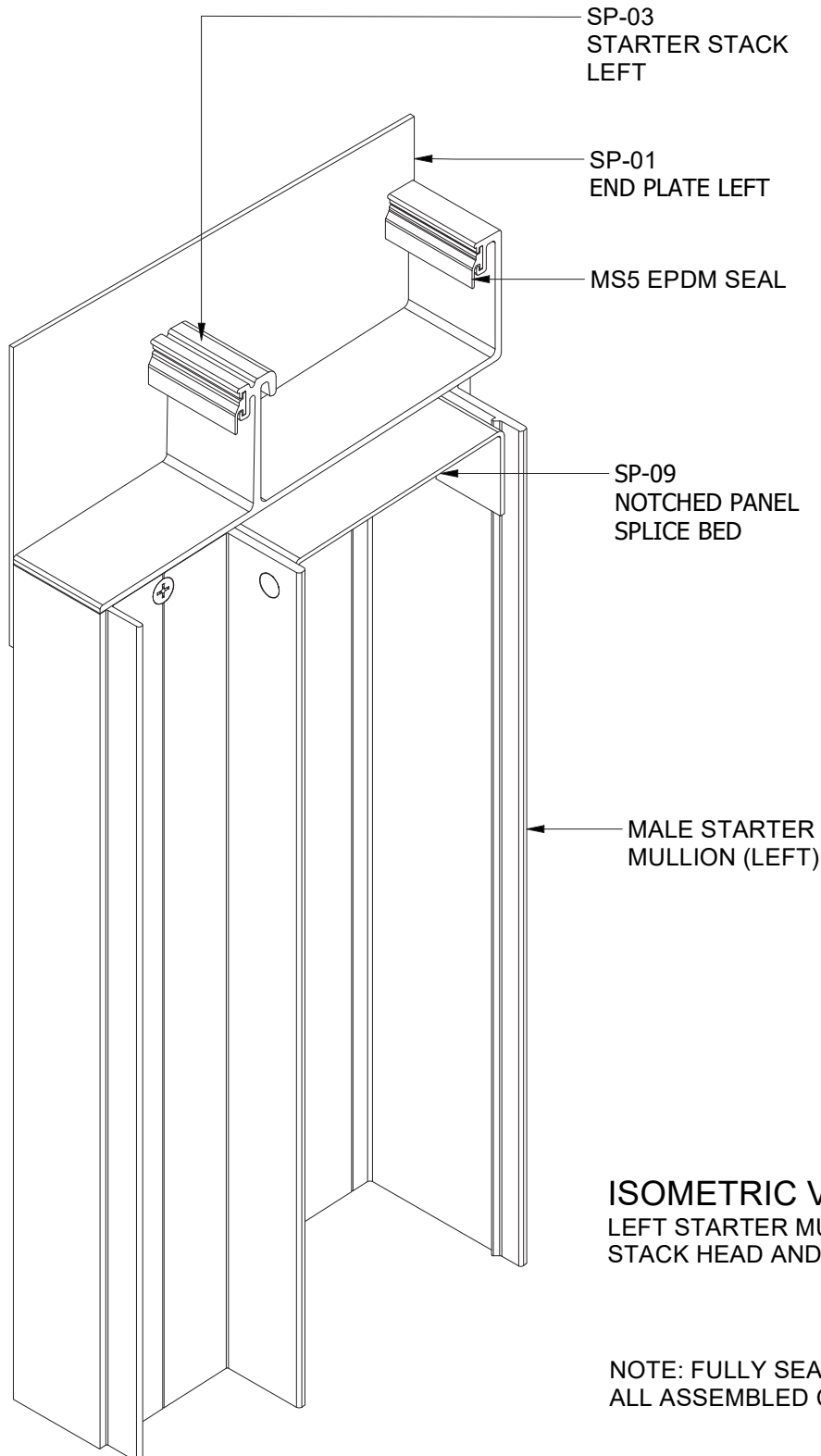


Cut Panel Splice Bed - SP-11



MAKE FROM PANEL SPLICE BED SP-05

AD-01 Detail



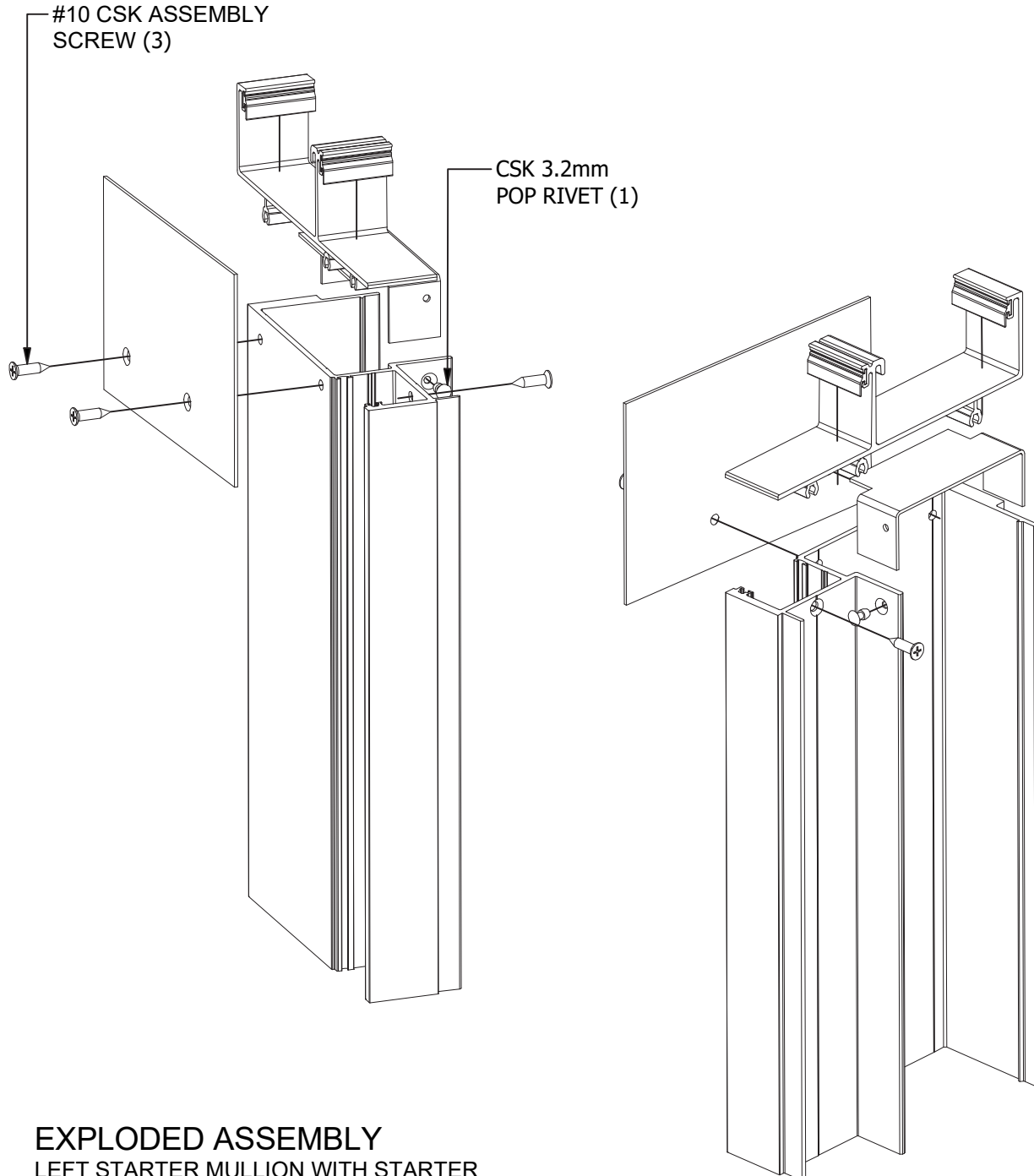
ISOMETRIC VIEW

LEFT STARTER MULLION WITH STARTER
STACK HEAD AND END PLATE.

NOTE: FULLY SEAL WITH SILICONE AROUND
ALL ASSEMBLED COMPONENTS

11. Assembly Details

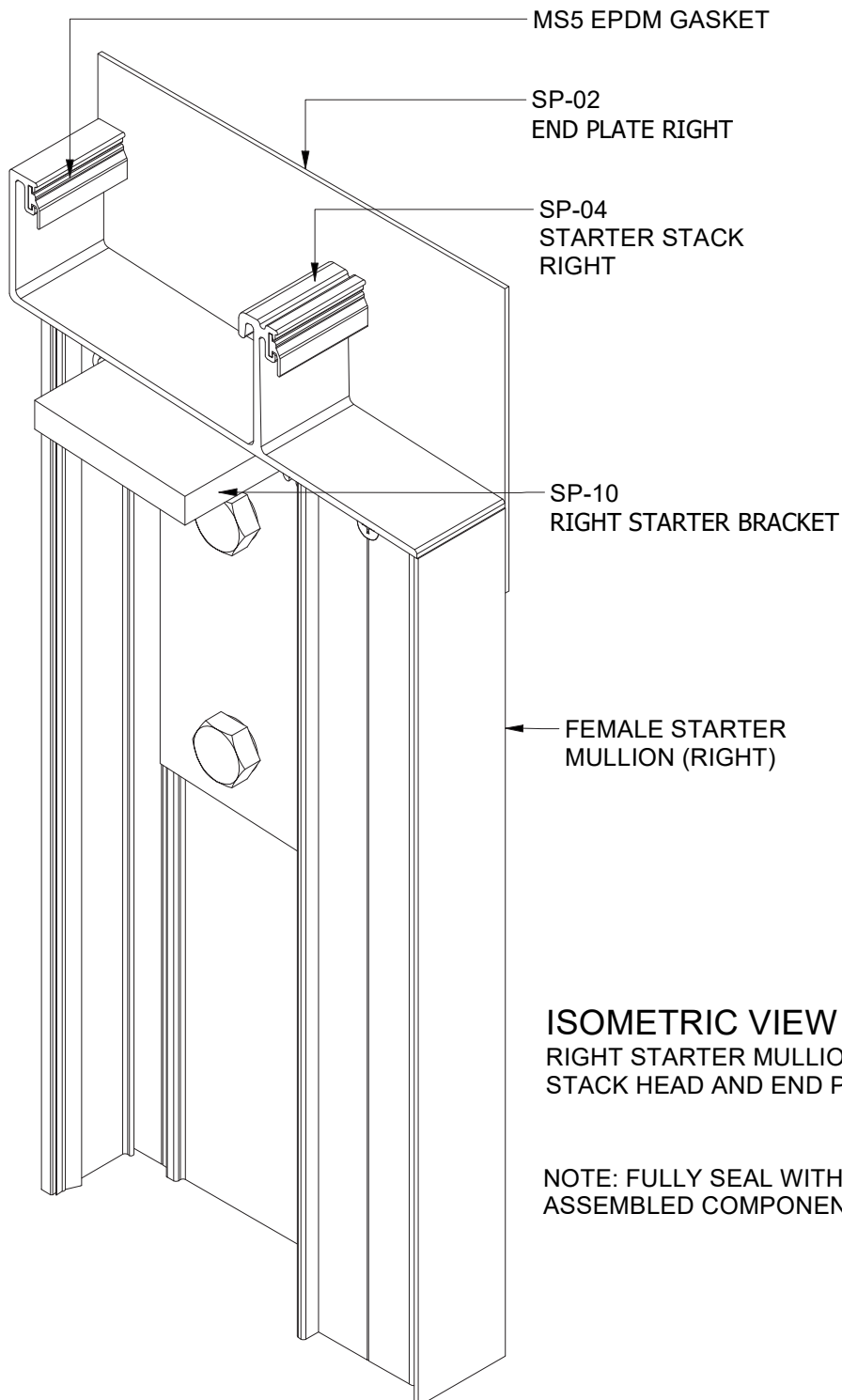
AD-01 Detail



EXPLODED ASSEMBLY LEFT STARTER MULLION WITH STARTER STACK HEAD AND END PLATE.

NOTE: FULLY SEAL WITH SILICONE AROUND
ALL ASSEMBLED COMPONENTS

AD-04 Detail

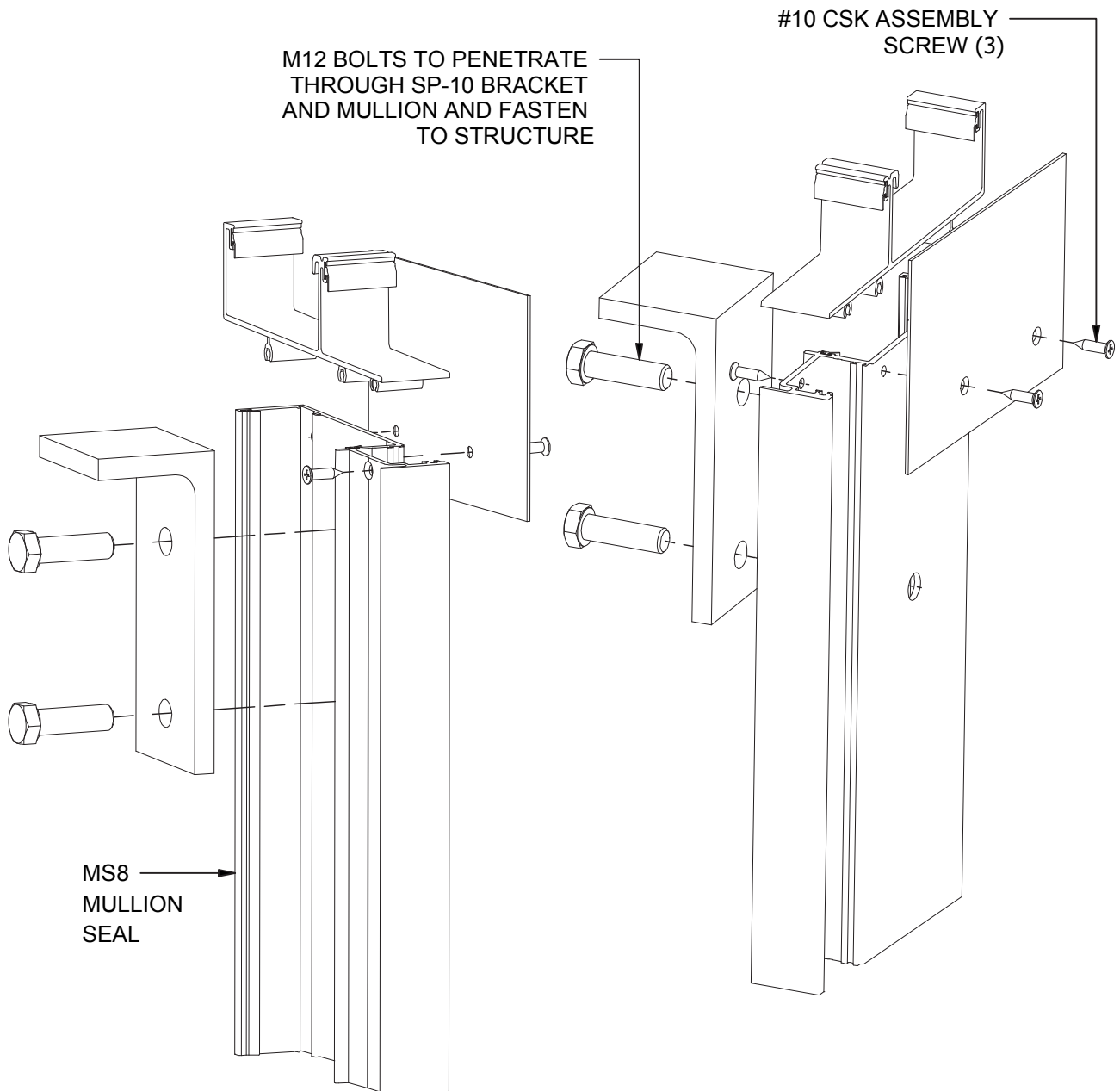


ISOMETRIC VIEW
RIGHT STARTER MULLION WITH STARTER
STACK HEAD AND END PLATE.

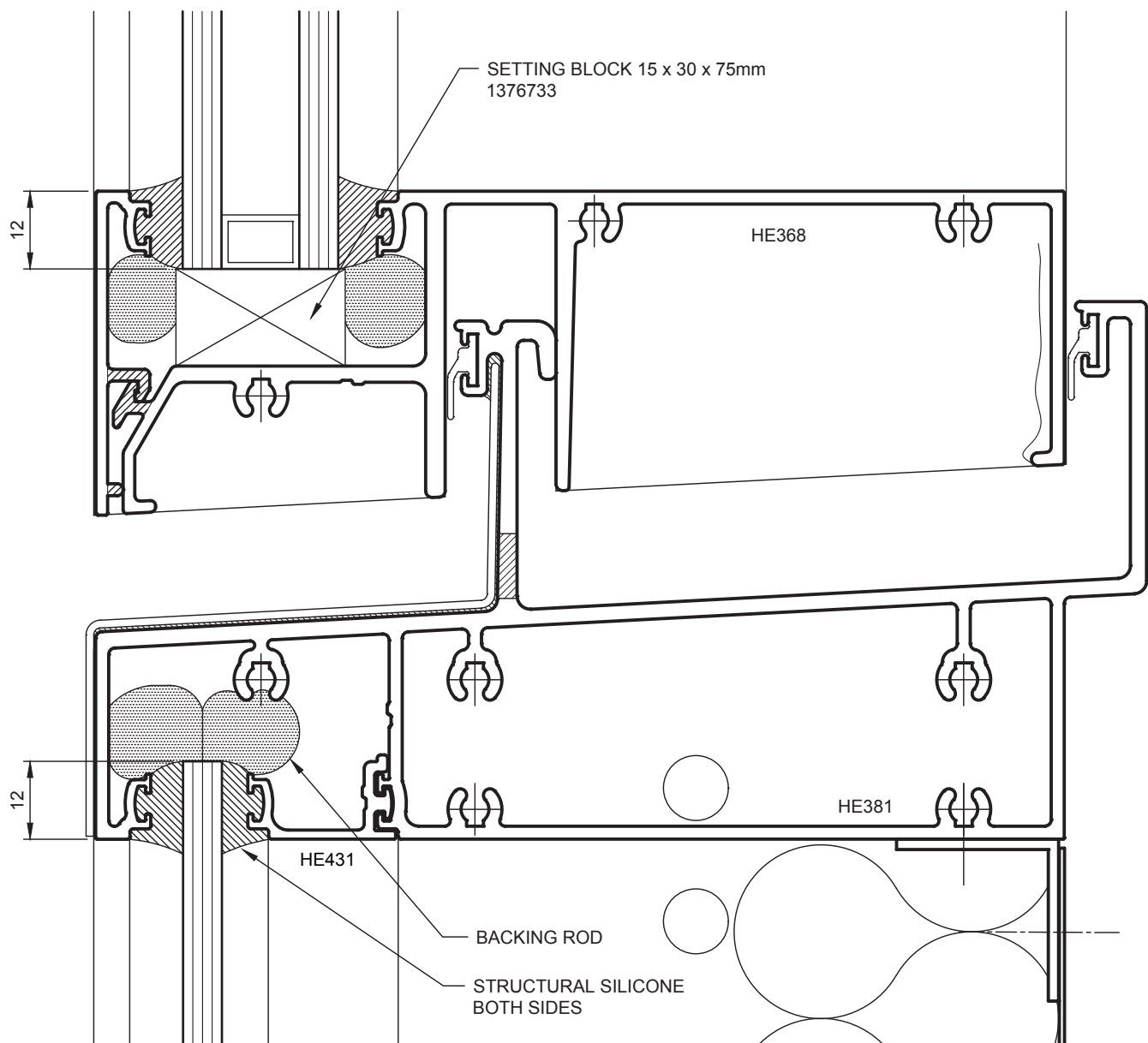
NOTE: FULLY SEAL WITH SILICONE AROUND ALL
ASSEMBLED COMPONENTS

11. Assembly Details

AD-04 Detail



EXPLODED ASSEMBLY
RIGHT STARTER MULLION WITH STARTER
STACK HEAD AND END PLATE.



FRAMING

Your new **Hunter Evo 150mm Curtain Wall** 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 **Hunter Evo 150mm Curtain Wall** frame will retain it's good looks and resist the elements for years to come.

The **Hunter Evo 150mm Curtain Wall** 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 **Hunter Evo 150mm Curtain Wall** 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 **Hunter Evo 150mm Curtain Wall** 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.

HEAD OFFICE | 3 Alspec Place, Eastern Creek NSW 2766
Phone: 02 9834 9500 | Fax: 02 9834 9532 | info@alspec.com.au

ALSPEC SHOWROOMS

AluSpace by Alspec - Sydney | 110 New South Head Road, Edgecliff NSW 2027
Phone: 1300 ALUSPACE (1300 258 772) | design@alspec.com.au

AluSpace by Alspec - Adelaide | 1 Pope Court, Beverley SA 5009
Phone: 08 8150 6960 | adelaidealospace@alspec.com.au

Brisbane Design Centre | 66 Merivale Street, South Brisbane QLD 4101
Phone: 07 3089 4900 | brisbane@alspec.com.au

MELBOURNE BRANCH
26–40 Pound Road West
Dandenong South VIC 3175
Phone: 03 8787 6333
Fax: 03 8787 6399
melbourne@alspec.com.au

ADELAIDE BRANCH
1 Pope Court
Beverley SA 5009
Phone: 08 8150 6960
Fax: 08 8150 6999
adelaide@alspec.com.au

PERTH BRANCH
30 Holder Way
Malaga WA 6090
Phone: 08 9209 9100
Fax: 08 9209 9199
perth@alspec.com.au

BRISBANE BRANCH
8–22 Jutland Street
Loganlea QLD 4131
Phone: 07 3089 4900
Fax: 07 3089 4999
brisbane@alspec.com.au

NEWCASTLE BRANCH
95 Griffiths Road
Lambton NSW 2299
Phone: 02 4952 9111
Fax: 02 4952 9728
newcastle@alspec.com.au

CAIRNS BRANCH
34–38 Hargreaves Street
Edmonton QLD 4869
Phone: 07 4037 6666
Fax: 07 4037 6699
cairns@alspec.com.au

CANBERRA BRANCH
28 Sheppard Street
Hume ACT 2620
Phone: 02 5134 3300
canberra@alspec.com.au

DARWIN BRANCH
25 Bishop Street
Woolner NT 0820
Phone: 08 8941 7300
darwin@alspec.com.au

SUNSHINE COAST BRANCH
4-8 Empire Crescent
Chevallum QLD 4555
Phone: 07 5437 6123
Fax: 07 5437 6124
chevallum@alspec.com.au

BRENDALE BRANCH
24 Doherty Street
Brendale QLD 4500
Phone: 07 3205 9911
Fax: 07 3205 9915
brendale@alspec.com.au

TOWNSVILLE BRANCH
21 Carroll Street
Mount Louisa QLD 4814
Phone: 07 3089 4965
Fax: 1300 131 747
townsville@alspec.com.au

BUNDABERG BRANCH
17 Production Street
Svensson Heights QLD 4670
Phone: 07 4111 2000
Fax: 07 4111 2099
bundaberg@alspec.com.au

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