

Folding Sliding Door

AA[®]3720

Product Manual



2nd Edition
October 2017

 **KAWNEER**
AN ARCONIC COMPANY

Company overview

Kawneer, a Global Systems Company

Kawneer is part of Arconic Building and Construction Systems, a leading supplier of architectural systems, services and building products to the European, North American and emerging markets. This is reflected in our new product sales, which represent 40% of our annual revenues. Arconic is a premier innovator of high performance multi-material products and solutions and a global leader in precision engineering and advanced manufacturing. With 42,250 employees in 156 locations, Arconic serves the aerospace, automotive, packaging, building and construction, commercial transportation, and industrial markets, bringing design, engineering, production, and other capabilities of Arconic's businesses as a single solution to customers.

Kawneer offers a comprehensive range of architectural aluminium building products and systems which include unitised solutions, curtain wall, windows, doors and framing systems.

Since its beginnings over a century ago, Kawneer has been recognised as an innovator. Through the years, we've balanced experience with innovation. We've listened to our customers, and we are dedicated to providing the tools our customers need to succeed.

Kawneer's global design expertise, combined with aluminium's flexibility and recyclability, makes our building systems and products the right solutions for today and tomorrow.

Kawneer products are made from materials of the highest quality and designed with the benefit of many years of construction experience. As we control every stage of the process, from mining the bauxite ore through to designing individual systems, we offer a unique resource to architects and contractors.

Kawneer Installation Certification Scheme (KIC)

Our involvement does not end with the supply of material to our approved dealer network. To minimise the risk of defects associated with fabrication and installation, Kawneer has developed the KIC Training Scheme, which is a two-day intensive installation course followed by an exam. Once successfully completed, each attendee will receive a KIC card highlighting the products that they have been trained to install.

Need Something Special?

Kawneer offers the world's greatest pool of talent in architectural glazing systems, and with the benefit of our own extrusion press and paint plant we can design custom solutions that will help you to realise your most daring concepts. So don't compromise - by working with Kawneer you can achieve a solution to meet the most challenging architectural needs.

Total Performance

High performance is an essential ingredient for all building components nowadays - it is demanded by users and required by current building regulations. Throughout our history we have kept ahead of both the market and regulatory requirements to offer glazing solutions that surpass even the most demanding specifications, and our products meet or exceed all required standards of performance. We have developed leading-edge production techniques to ensure that manufacturing efficiency is optimised, and environmental impact is minimised, and our right-first-time quality management systems have been devised to minimise waste and exceed the requirements of current ISO 9001 and ISO 14001 standards.

Why Aluminium?

Aluminium is the perfect material for architectural glazing products, and has practical advantages over all other available choices, including inherent resistance to corrosion and very low whole-life costs. Aluminium is also an environmentally friendly material and possibly one of the best options for energy saving within the construction industry. In the building sector vast amounts of aluminium are collected for recycling, with rates as high as 98%, and more than 50% of the energy used in aluminium production comes from hydro-electric power. Re-smelting aluminium saves up to 95% of the energy needed to produce primary product. The overall market for used aluminium is steadily growing so the more aluminium there is in a product the more chance it has of being recycled.

Kawneer is unique in that 80% of all the aluminium used in the production of our systems comes from recycled material. This has assisted Kawneer in the implementation of our BES 6001 accreditation, which we secured during 2016.

INDEX

AA[®]3720

Specification

AA[®]3720

page	issue	description
A1-1	A	Specification.
A1-2	A	Specification.

Specification.

Introduction

The AA®3720 folding sliding door is a completely new system introduced to the Kawneer product offer. It has been designed to offer optimum weather and thermal performance at a competitive price in the market place. The AA®3720 uses advanced thermal break technology, ensuring thermal efficiency and full compliance with Approved Document L and Scottish Building Standards Part 6. The polyamide thermal break allows for single and dual colour options.

Product Definition

- Vast range of different door configurations in either Open-In or Open Out stack variants
- Exclusive panel retainer
- Rebated Frame
- Choice of thresholds including DDA compliant variant
- Accommodates glazing up to 57mm with standard bead (See charts for variants)
- Drained and ventilated weathering
- Suites with the AA®720 series.
- Stainless steel, self centering rollers
- Acoustic performance:
 - Rw (C ; Ctr) 35 (-1 ; -4) dB
 - Rw (C ; Ctr) 44 (-1 ; -3) dB

Value varies based on glazing specification.

For detailed results please contact Kawneer Technical.

Reference Documents

ISO 9001	Quality Management System
BS EN 12020	Extruded precision aluminium profiles
BS 3987	Specification for anodic coatings
BS 6496	Specification for powder organic coatings
BS 6375 Part 1:	Classification for weathertightness
BS 6375 part 2:	Classification for operation and strength
BS 6375 Part 3:	Classification for security
BS4873	Specification for aluminium alloy windows
BS4255 Part 1	Specification for non-cellular gaskets
ASTM C509-94	Specification for cellular gaskets
BS EN ISO 10077 Part 1 & 2	Thermal performance of windows, doors and shutters. Calculation of thermal transmittance
IFT Guideline WA-01 eng/2	Uf – values for thermal break metal profiles of window systems, IFT Rosenheim

Security

Independently tested by a UKAS accredited testing authority.

Annex A and B PAS24:2012

*Additional hardware required.

Please refer to the separate AA3720 Security Supplement for specific PAS24 product details.

Product Features

- Hook and pin locking
- Suited hardware with the AA®720 window range
- Optional security hardware
- Square & Softline profile options
- Enhanced thermal option

Construction and Size Limitations

- Mechanical corner cleats option to pin, screw or crimp frame for ease of fabrication together with corner braces for profile alignment
- Weathering achieved by the use of EPDM gaskets
- Drained and ventilated system
- Leaf weight up to 120kg
- Size limitations – Up to 1.2m wide by 2.93m high (based on height to width ratio)
- Minimum height-1.93m (dependant on width)

Glazing

- Bead glazing with EPDM gaskets up to 57mm thickness can be accommodated using standard bead
- Softline option up to 40mm using standard bead
- Limited choice of Slope Bead applications

Materials

Aluminium profiles are extruded from 6063T6 alloy. Screws and components are manufactured from corrosion resistant materials.

Surface Finishes

Over 130 standard and 31 metallic Kawneer Permacover paint finishes are available. A range of standard and coloured anodised finishes are also available. Colour samples are available on request from the Architectural Services Team at Runcorn. The finishes and coatings are covered by standard guarantees, 30 years gloss and 30 years matt and metallic and up to 25 years for anodised. Guarantees are subject to applications and Kawneer acceptance in marine, industrial, swimming pools or other aggressive atmospheres.

Fabrication and Installation

All Kawneer products are fabricated and installed by a network of trained and approved Kawneer specialist contractors, offering national support at a local level. The Kawneer Training Centre provides specific product knowledge training, installer training, registration and certification in accordance with the CWCT (Centre for Window & Cladding Technology). For contractors in your area, contact the Architectural Services Team at Runcorn.

Cleaning & Maintenance

For cleaning and maintenance instructions please refer to page E 01.01 in section E of the AA®3720 Installation Manual.

NBS Specification

A product specific specification based on the NBS Specification is available from the Architectural Services Team at Runcorn.

Technical Information

AA[®]3720

page	issue	description
B1-1	A	Profile information - Standard profiles.
B1-2	A	Intentionally blank.
B1-3	A	Profile data - Frame, vent and standard cill.
B1-4	A	Profile data - Thresholds, frame adaptor and muntins.
B1-5	A	Profile data - Coupling profiles.
B1-6	A	Profile data - Standard beads.
B1-7	A	Profile data - Standard beads.
B1-8	A	Profile data - Softline beads.
B1-9	A	Profile data - Softline beads and Slope beads.
B1-10	A	Profile data - Box beads.
B1-11	A	Profile data - Box beads.
B1-12	A	Profile data - Corner muntins, coupling profile and screw spline.
B1-13	A	General limitation notes.
B1-14	A	Windload chart.
B1-15	A	Windload chart.
B1-16	A	Deadload chart.
B1-17	A	Panel size limitations.
B1-18	A	Hardware schedule - Open Out types 2 - 2, 2 - 4, 4 - 2 & 4 - 4.
B1-19	A	Hardware schedule - Open In types 2 - 2, 2 - 4, 4 - 2 & 4 - 4.
B1-20	A	Hardware schedule - Open Out types 3 - 0, 0 - 3, 5 - 0 & 0 - 5.
B1-21	A	Hardware schedule - Open In types 3 - 0, 0 - 3, 5 - 0 & 0 - 5.
B1-22	A	Hardware schedule - Open Out types 2 - 1, 1 - 2, 3 - 2 & 2 - 3.

page	issue	description
B1-23	A	Hardware schedule - Open In types 2 - 1, 1 - 2, 3 - 2 & 2 - 3.
B1-24	A	Hardware schedule - Open Out types 1 - 0, 1 - 1, 3 - 1, 1 - 3, 5 - 1, 1 - 5 & 3 - 3.
B1-25	A	Hardware schedule - Open In types 1 - 0, 1 - 1, 3 - 1, 1 - 3, 5 - 1, 1 - 5 & 3 - 3.
B1-26	A	Hardware schedule - Open Out types 2 - 0, 0 - 2, 4 - 0, 0 - 4, 6 - 0 & 0 - 6.
B1-27	A	Hardware schedule - Open In types 2 - 0, 0 - 2, 4 - 0, 0 - 4, 6 - 0 & 0 - 6.
B1-28	A	Hardware schedule - Open Out types 3 - 2 & 2 - 3.
B1-29	A	Thermal values - Introduction.
B1-30	A	Thermal values - Open Out, frame and vent profiles.
B1-31	A	Thermal values - Open Out, threshold and vent profiles.
B1-32	A	Thermal values - Open In, frame and vent profiles.
B1-33	A	Thermal values - Open In, threshold and vent profiles.
B1-34	A	Thermal values - Vent/vent profiles (Open Out and Open In).
B1-35	A	Thermal values - Frame and muntin profiles.

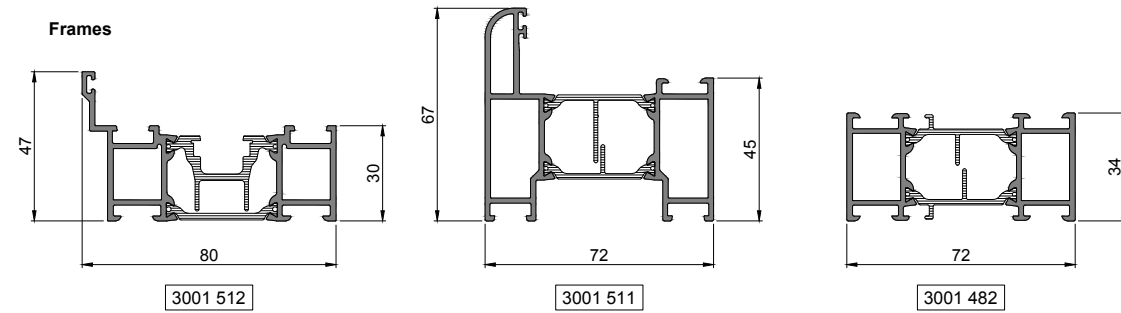
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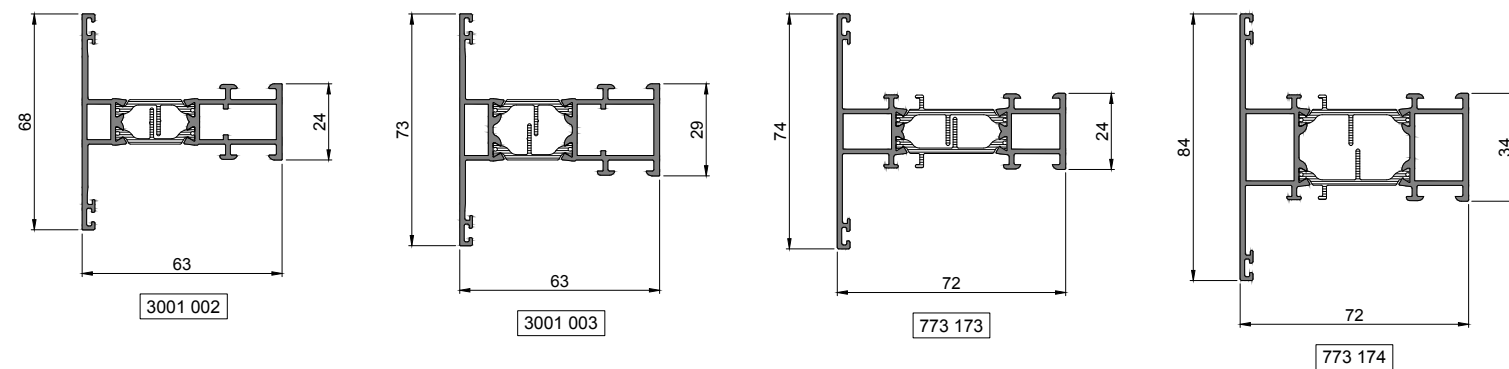
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AA 3720

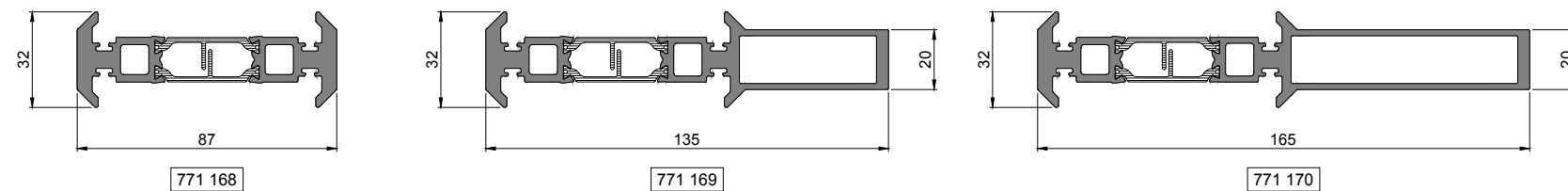
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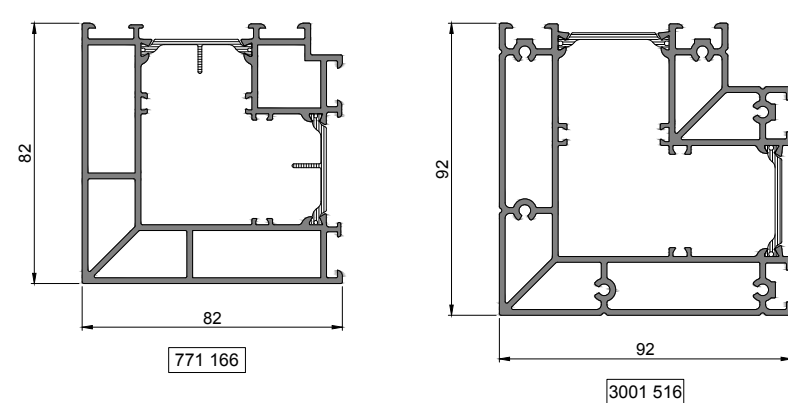
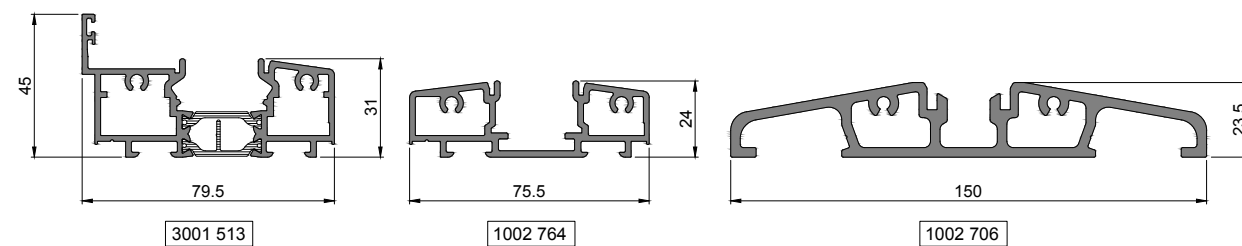
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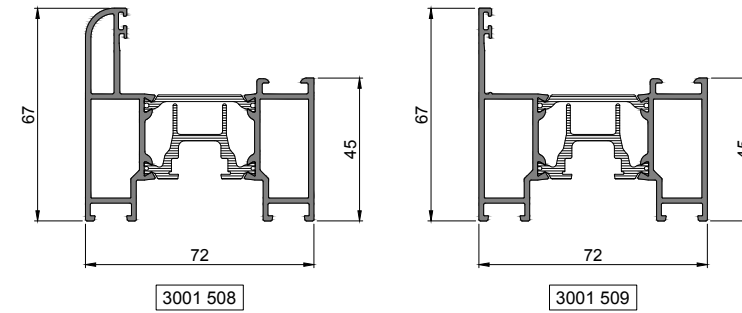
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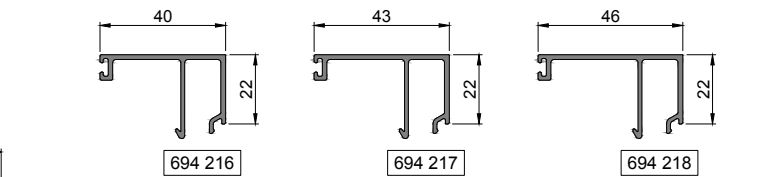
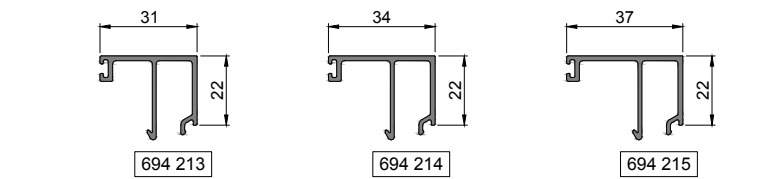
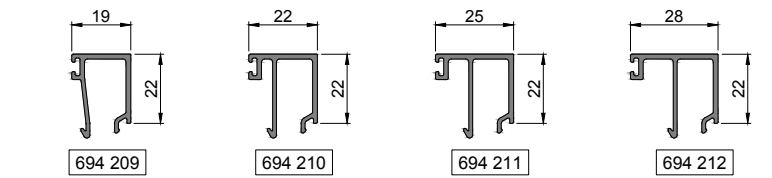
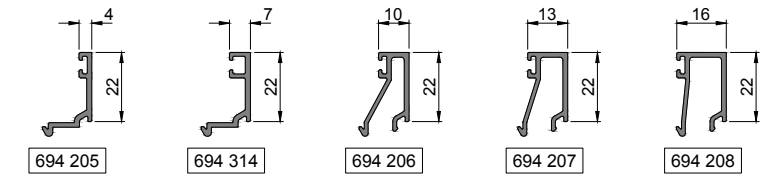
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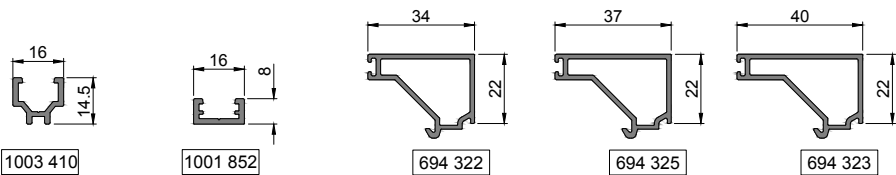
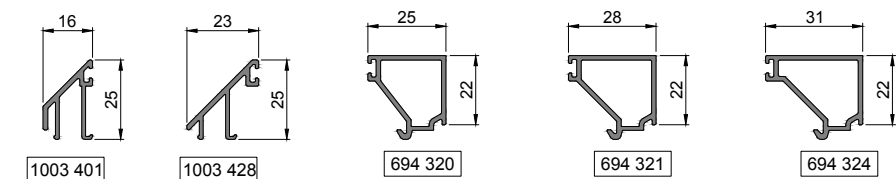
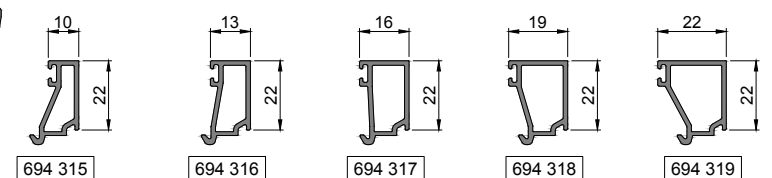
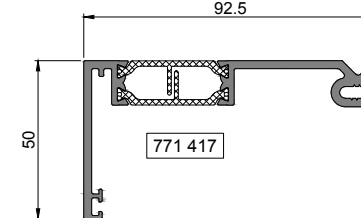
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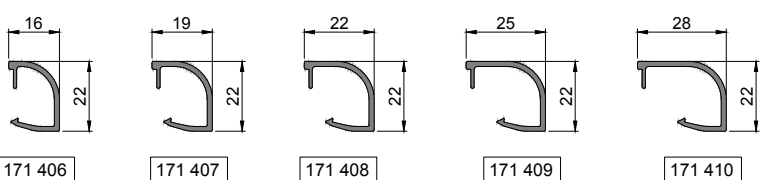
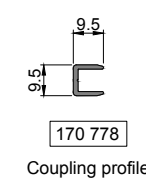
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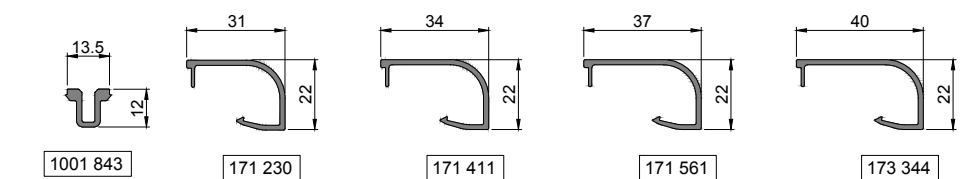
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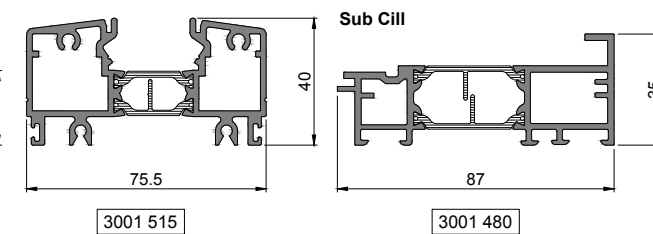
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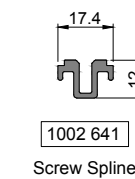
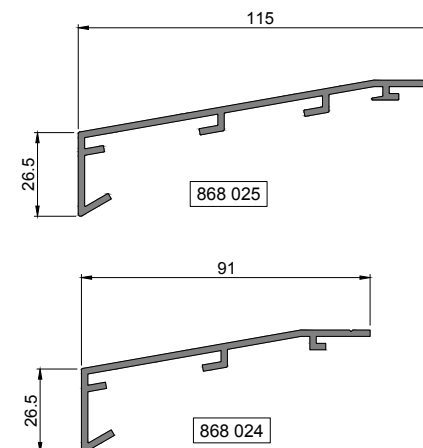
Coupling profile



Sub Cill



Cill Outer Profiles



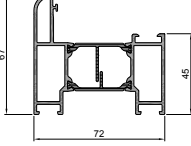
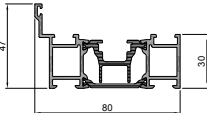
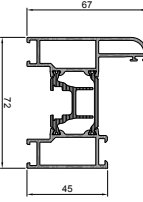
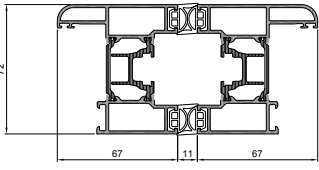
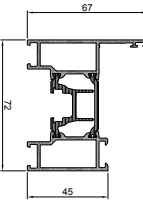
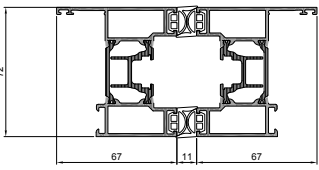
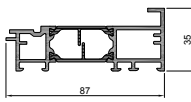
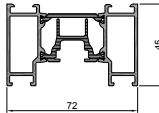
Screw Spline

Screw Spline

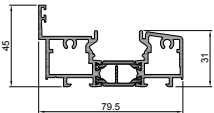
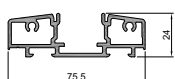
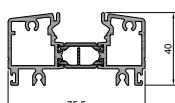
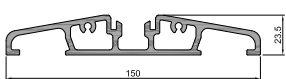
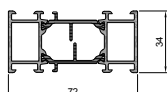
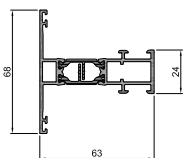
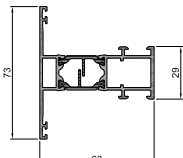
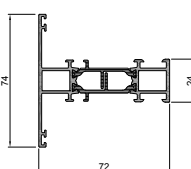
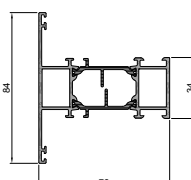
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Profile data - Frame, vent and standard cill.

Issue A

Profile Details		External Perimeter	Primary Surface	Windload Value		Deadload Value		Weight kg/m	Page:
				I cm ⁴	Z cm ³	I cm ⁴	Z cm ³		
	3001 511 Frame 45mm			30.04	7.37	13.15	3.53	1.46	C1-1
	3001 512 Outer Frame			24.54	6.06	4.03	1.38	1.13	C1-1
	3001 508 Vent			30.04	7.37	13.15	3.53	1.46	C1-2
				60.80	14.98	N/A			
	3001 509 Vent			28.39	7.34	9.84	2.43	1.32	C1-2
				57.53	11.34	N/A			
	3001 480 Standard Cill			33.17	6.80	2.90	1.46	1.29	C1-5
	3001 510 Vent			25.38	7.05	6.60	2.84	1.23	C1-3

Profile data - Thresholds, frame adaptor and muntins.

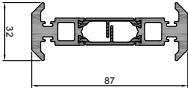
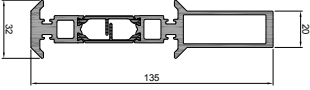
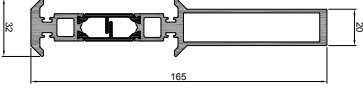
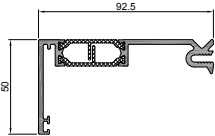
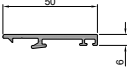
Profile Details		External Perimeter	Primary Surface	Windload Value		Deadload Value		Weight kg/m	Page:
				I cm ⁴	Z cm ³	I cm ⁴	Z cm ³		
	3001 513 Threshold Rebated			27.79	6.94	4.51	1.67	1.45	C1-4
	1002 764 Low Threshold Non-Thermal for Roller Track			19.34	5.11	1.61	1.28	1.25	C1-4
	3001 515 Threshold Sunken			30.84	8.07	7.00	3.36	1.68	C1-4
	1002 706 Threshold 150mm			5.23	4.25	165.63	22.08	2.78	C1-4
	3001 482 Frame Adaptor 34mm			20.42	5.67	3.15	1.87	1.03	C1-5
	3001 002 Vent Muntin 24mm			5.07	1.495	15.92	4.27	1.02	C1-6
	3001 003 Vent Muntin 29mm			6.68	1.83	17.42	4.70	1.12	C1-6
	773 173 Muntin 24mm			23.01	5.38	6.32	1.71	1.07	C1-7
	773 174 Muntin 34mm			27.51	6.61	10.43	2.48	1.26	C1-7

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Profile data - Coupling profiles.

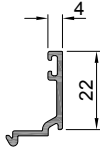
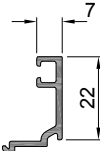
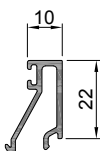
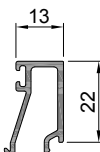
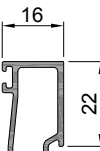
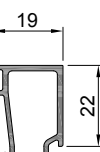
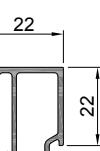
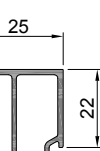
Issue A

Profile Details		External Perimeter	Primary Surface	Windload Value		Deadload Value		Weight kg/m	Page:
				I cm ⁴	Z cm ³	I cm ⁴	Z cm ³		
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	771 169 Coupling Profile 15/55mm			132.66	18.48	3.24	2.03	2.34	C1-8
	771 170 Coupling Profile 15/85mm			214.02	23.96	3.98	2.49	2.67	C1-8
	771 417 Settling Profile			Not Applicable				1.20	C1-15
	171 418 Settling Profile Supporting Bar			Not Applicable				0.42	C1-15

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Profile data - Standard beads.

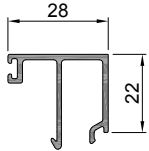
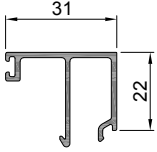
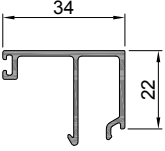
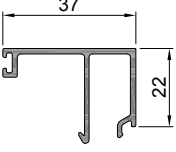
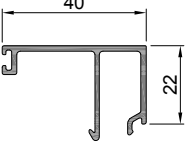
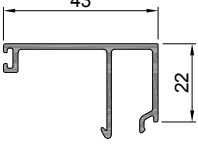
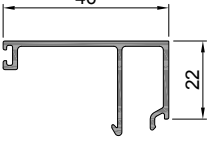
Profile Details		External Perimeter	Primary Surface	Windload Value		Deadload Value		Weight kg/m	Page:
				I cm ⁴	Z cm ³	I cm ⁴	Z cm ³		
	694 205 Standard Bead 4mm			Not Applicable				0.189	C1-12
	694 314 Standard Bead 7mm			Not Applicable				0.209	C1-12
	694 206 Standard Bead 10mm			Not Applicable				0.256	C1-12
	694 207 Standard Bead 13mm			Not Applicable				0.264	C1-12
	694 208 Standard Bead 16mm			Not Applicable				0.275	C1-12
	694 209 Standard Bead 19mm			Not Applicable				0.287	C1-12
	694 210 Standard Bead 22mm			Not Applicable				0.321	C1-12
	694 211 Standard Bead 25mm			Not Applicable				0.333	C1-12

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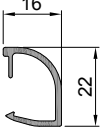
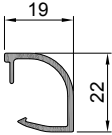
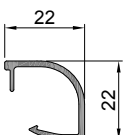
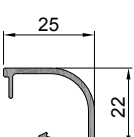
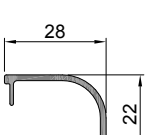
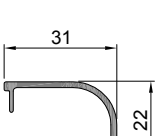
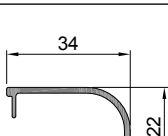
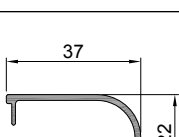
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Profile data - Standard beads.

Issue A

Profile Details		External Perimeter	Primary Surface	Windload Value		Deadload Value		Weight kg/m	Page:
				I cm ⁴	Z cm ³	I cm ⁴	Z cm ³		
	694 212 Standard Bead 28mm			Not Applicable				0.345	C1-12
	694 213 Standard Bead 31mm			Not Applicable				0.357	C1-12
	694 214 Standard Bead 34mm			Not Applicable				0.369	C1-12
	694 215 Standard Bead 37mm			Not Applicable				0.382	C1-12
	694 216 Standard Bead 40mm			Not Applicable				0.394	C1-12
	694 217 Standard Bead 43mm			Not Applicable				0.406	C1-12
	694 218 Standard Bead 46mm			Not Applicable				0.418	C1-12

Profile data - Softline beads.

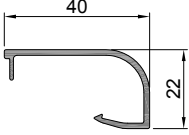
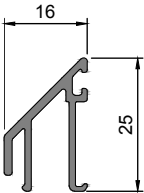
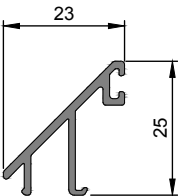
Profile Details		External Perimeter	Primary Surface	Windload Value		Deadload Value		kg/m	Page:
				I cm ⁴	Z cm ³	I cm ⁴	Z cm ³		
	171 406 Glazing Bead Softline 16mm			Not Applicable				0.21	C1-13
	171 407 Glazing Bead Softline 19mm			Not Applicable				0.22	C1-13
	171 408 Glazing Bead Softline 22mm			Not Applicable				0.24	C1-13
	171 409 Glazing Bead Softline 25mm			Not Applicable				0.25	C1-13
	171 410 Glazing Bead Softline 28mm			Not Applicable				0.26	C1-13
	171 230 Glazing Bead Softline 31mm			Not Applicable				0.28	C1-13
	171 411 Glazing Bead Softline 34mm			Not Applicable				0.29	C1-13
	171 561 Glazing Bead Softline 37mm			Not Applicable				0.30	C1-13

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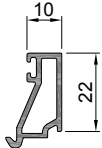
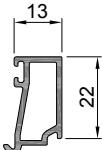
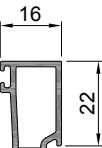
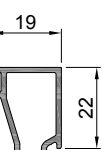
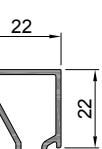
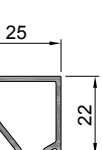
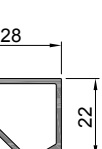
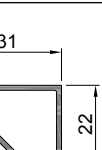
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Profile data - Softline beads and Slope beads.

Issue A

Profile Details		External Perimeter	Primary Surface	Windload Value		Deadload Value		Weight kg/m	Page:
				I cm ⁴	Z cm ³	I cm ⁴	Z cm ³		
	173 344 Glazing Bead Softline 40mm			Not Applicable		Not Applicable		0.32	C1-13
	1003 401 Slope Bead 16mm 45 degree			Not Applicable		Not Applicable		0.24	C1-14
	1003 428 Slope Bead 23mm 45 degree			Not Applicable		Not Applicable		0.23	C1-14

Profile data - Box beads.

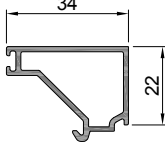
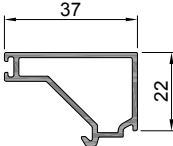
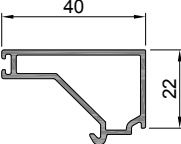
Profile Details		External Perimeter	Primary Surface	Windload Value		Deadload Value		Weight kg/m	Page:
				I cm ⁴	Z cm ³	I cm ⁴	Z cm ³		
	694 315 Box Bead 10mm			Not Applicable				0.283	C1-14
	694 316 Box Bead 13mm			Not Applicable				0.291	C1-14
	694 317 Box Bead 16mm			Not Applicable				0.302	C1-14
	694 318 Box Bead 19mm			Not Applicable				0.315	C1-14
	694 319 Box Bead 22mm			Not Applicable				0.331	C1-14
	694 320 Box Bead 25mm			Not Applicable				0.348	C1-14
	694 321 Box Bead 28mm			Not Applicable				0.367	C1-14
	694 324 Box Bead 31mm			Not Applicable				0.389	C1-14

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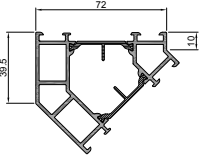
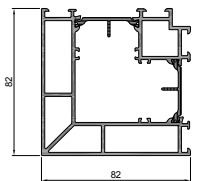
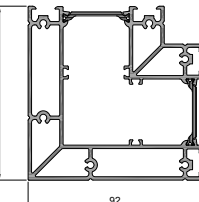
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Profile data - Box beads.

Issue A

Profile Details		External Perimeter	Primary Surface	Windload Value		Deadload Value		Weight kg/m	Page:
				I cm ⁴	Z cm ³	I cm ⁴	Z cm ³		
	694 322 Box Bead 34mm			Not Applicable				0.411	C1-14
	694 325 Box Bead 37mm			Not Applicable				0.434	C1-14
	694 323 Box Bead 40mm			Not Applicable				0.457	C1-14

Profile data - Corner muntins, coupling profile and screw spline.

Profile Details		External Perimeter	Primary Surface	Windload Value		Deadload Value		Weight kg/m	Page:
				I cm ⁴	Z cm ³	I cm ⁴	Z cm ³		
	771 164 Corner Muntin 135°			34.84	7.29	20.60	5.06	1.59	C1-9
	771 166 Corner Muntin 90°			55.29	12.31	55.29	12.31	2.57	C1-9
	3001 516 Panel Corner Post 90°			86.35	17.44	87.57	17.87	3.34	C1-10
	170 778 Coupling Profile			Not Applicable				0.09	C1-15
	1001 843 Screw Spline			0.09	0.13	0.09	0.13	0.17	C1-15
	1001 852 Gasket Channel			Not Applicable				0.15	C1-15
	1003 410 Gasket Channel			Not Applicable				0.18	C1-15
	1002 641 Screw Spline			0.18	0.1	0.21	0.17	0.22	C1-15

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General limitation notes.

All limits stated are individual panel sizes.

Maximum height 2930mm
Maximum width 1200mm
Maximum weight 120kg
Minimum height *1930mm

*Height is based on a fixed position lock cylinder/handle.

Performance is dependant on type, configuration and threshold.
Sizes are subject to individual wind load requirements.

Operating forces are dependant upon configuration.
Due consideration should be given to panel size, weight (glass make up) and number of stacking panels which all will have an effect on the operating forces.

Hinges

Three hinges per mullion is the minimum requirement.

Four hinges are required for the following:

Panel height greater than 2400mm
Panel width greater than 1000mm
Panel above 90kg

Locks

For panel height from 1930mm till 2075mm use of the short lock is mandatory.

For panels greater than 2400mm in height use a tall lock, 8001 211 or 8001 214 in conjunction with strike 8001 221.

Manufacture

There are two methods of manufacture for the frame.

Method 1.

Frame Corners mitre and mechanical fixed by screw, pin or crimp.

Method 2.

The use of custom fittings allows for the frame jamb to be positioned before final fix.

In this instance it is possible to cut all panels to the cutting list.

Coupling/Adjacent glazing

Due consideration must be given to coupling/adjacent glazing details.

Coupling direct without a structural member at the stack end of doors should be avoided where possible due to the nature of the stack load (when the doors are open). Outer frame head is not to be subjected to a dead essary.

Panel stacked sizes (including outer frame)

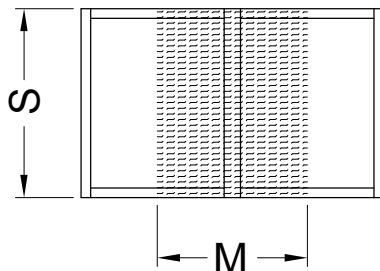


2 panels = 235mm
3 panels = 384mm
4 panels = 415mm
5 panels = 564mm

Guide to the use of structural windload charts to find I_{Windload} value required given span, module and windload.

Charts based on a rectangular loading pattern.

Example A:



Example 'A' shown on the charts for Span 1.3m x Module 1.3m gives the following I_{Windload} values at differing windloads.

Windload N/m ²	S/175
750	7.0 cm ⁴
1000	9.3 cm ⁴
1500	14.0 cm ⁴
2000	18.7 cm ⁴
2400	22.4 cm ⁴

For windloads different to those shown above the I_{Windload} value can be found by proportion using the following calculation:

e.g.

For a windload of 1250N/m² at 1.3m span x 1.3m module and double glazed - using 750 N/m² windload line - the I_{Windload} value would be:

$$I_{\text{Windload}} = \frac{7.0 \times 1250}{750} \quad I_{\text{Windload}} = 11.7 \text{ cm}^4$$

To find Z_{Windload} value required

A check must also be made of the Z_{Windload} value required (cm³) to ensure the section chosen is not over stressed. The following equation should be used:

$$Z_{\text{Windload}} = \frac{WS}{8s} \quad (\text{cm}^3) \quad \text{Where } W = \text{Windload (N/m}^2\text{)} \times \text{span (m)} \times \text{module (m)}$$

$$S = \text{span in cm}$$

$$s = \text{max stress} = 12900 \text{ N/cm}^2$$

$$Z_{\text{Windload}} = \text{section modulus (cm}^3\text{)}$$

e.g.

Span 1.3m, module 1.3m, windload 1500N/m²

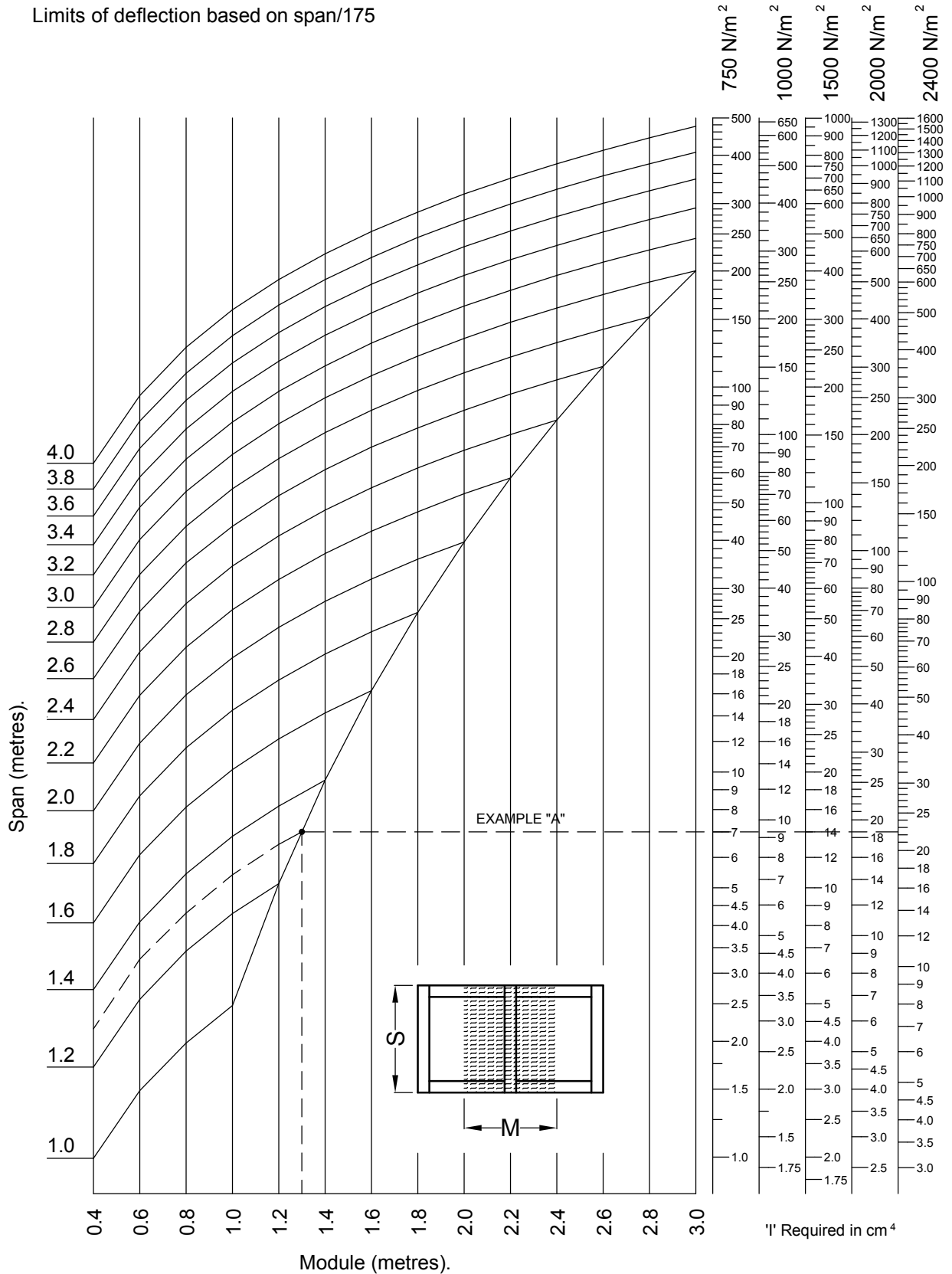
$$Z_{\text{Windload}} = \frac{(1.3 \times 1.3 \times 1500) \times 130}{8 \times 12900} \quad Z_{\text{Windload}} = 3.19 \text{ cm}^3$$

∴ The section chosen must have a 'Z' value of at least 3.19 cm³.

Windload chart.

Structural windload chart Simply supported

Limits of deflection based on span/175

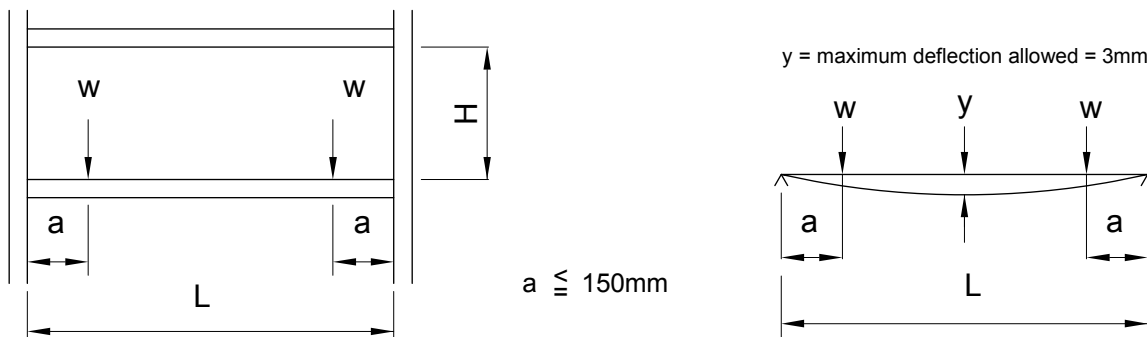


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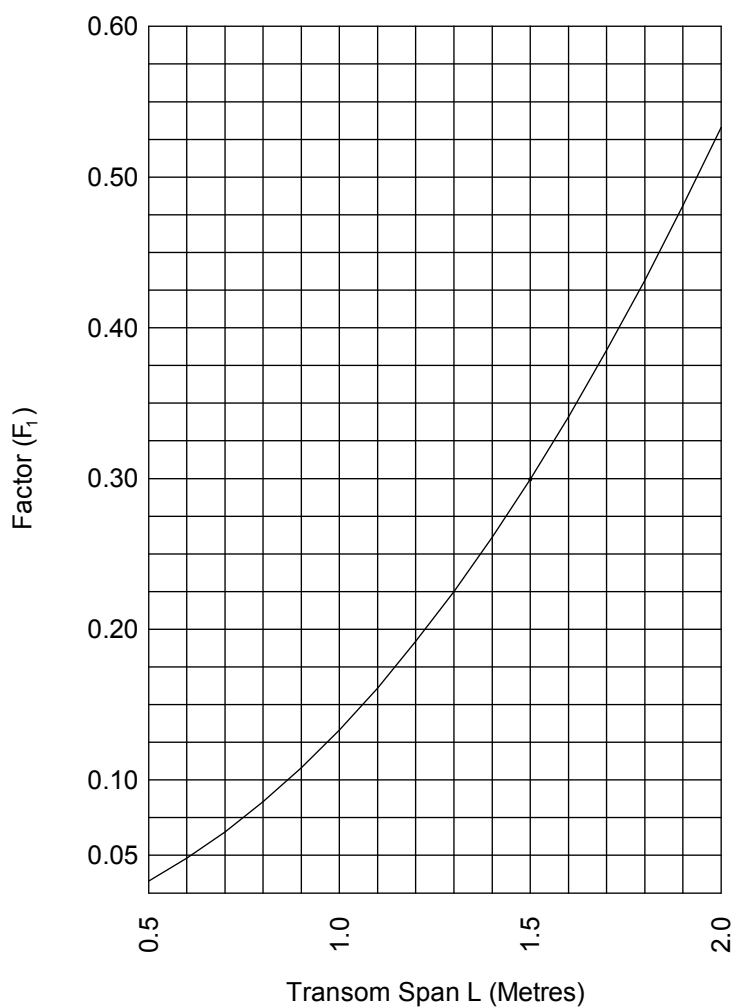
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Structural deadload chart

To determine I_{Deadload} required - with a limit of 3mm deflection at centre when loaded equally at 150mm from each end.



Deadload factor diagram



F_1 = Factor

t = Total glass thickness (in mm)

L = Length of transom (in m)

H = Height of glass (in m)

Example:

$L = 1.5 \text{ m}$

$t = 12.0 \text{ mm (6-16-6)}$

$H = 1.75 \text{ m}$

$F_1 = 0.3$ (from chart)

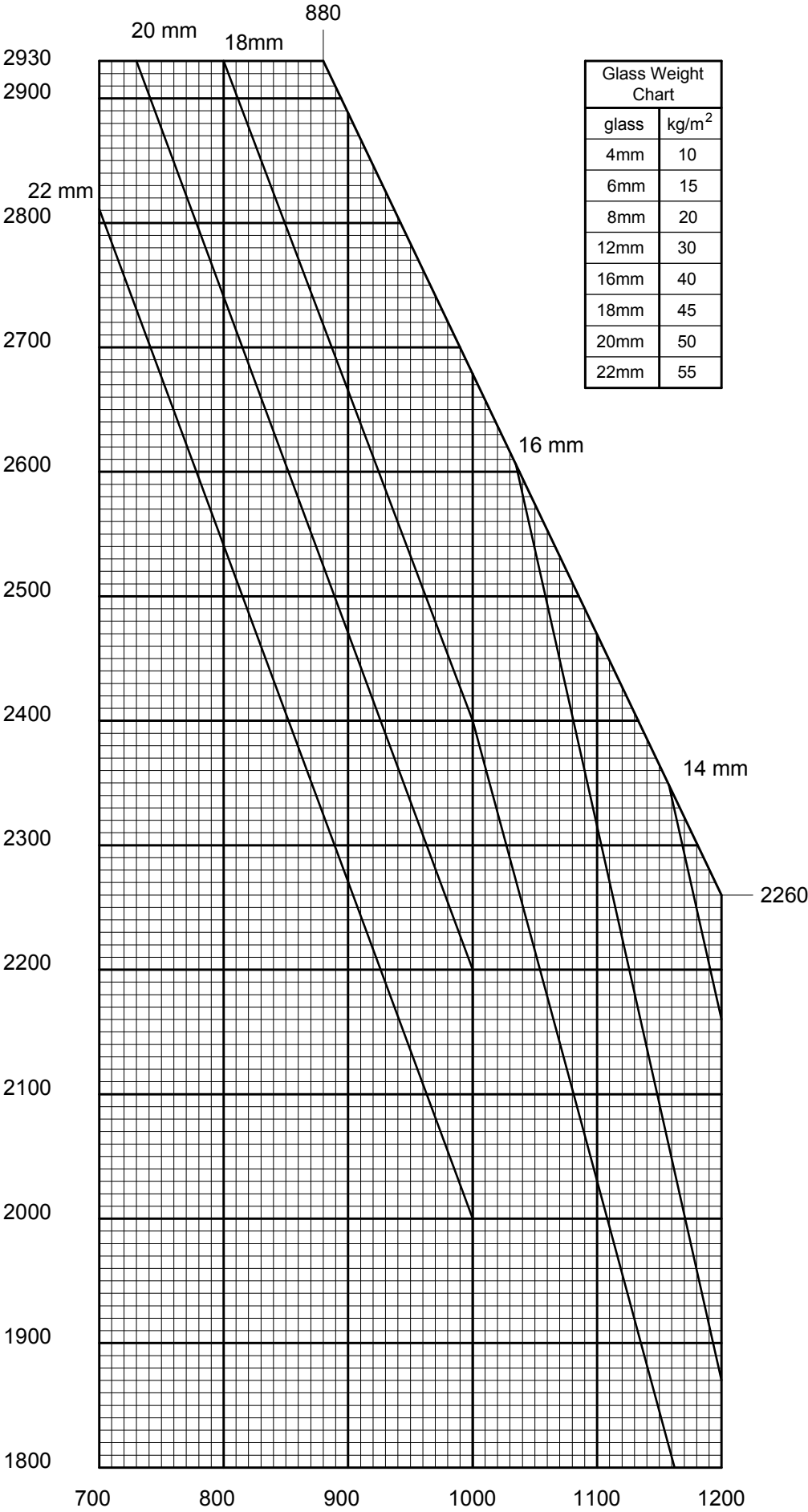
$I_{\text{Deadload}} = 1.5 \times 1.75 \times 12 \times 0.3 = 9.5 \text{ cm}^4$

$I_{\text{Deadload}} \text{ required} = 9.5 \text{ cm}^4$

Note:

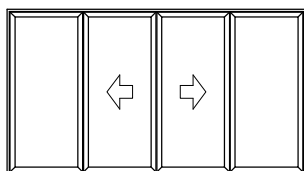
Check suitability of section against windload.

Panel size limitations.

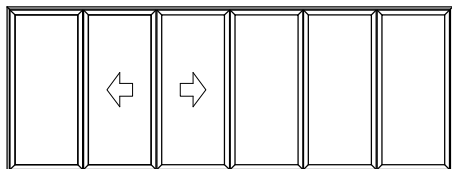


Note:
Please also ensure to validate the Dead Load and Wind Load requirements for the selected profiles.

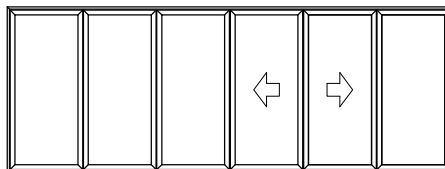
Hardware schedule - Open Out types 2 - 2, 2 - 4, 4 - 2 & 4 - 4.



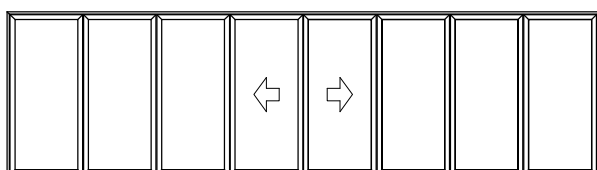
Type : 2 - 2



Type : 2 - 4



Type : 4 - 2

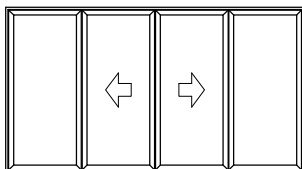


Type : 4 - 4

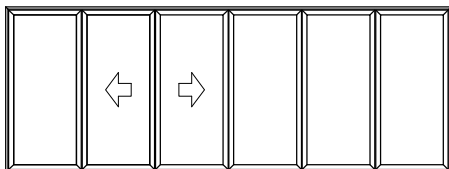
Hardware Schedule				
Part No.	Description	2-2	2-4 & 4-2	4-4
8002 465	Roller set - double	0	1	2
8002 612	Roller set R.H. - single	1	1	1
8002 615	Roller set L.H. - single	1	1	1
8001 231	Hinge	*10 or 14	*13 or 19	16 or 24
8001 232	Hinge/pull handle	2	3	4
5000 861	Gasket - hinge	*28 or 36	*40 or 52	*52 or 68
5000 869	Gasket - roller set	4	8	12
*8002 872	Lock - latchless - short			
*8001 213	Lock - latchless - standard	1	1	1
*8001 214	Lock - latchless - tall			
6001 839	C'sk head No 10 x 25 lg - lock screws	9	9	9
*8002 879	Lock strike- short			
*8002 880	Lock strike- standard	1	1	1
*8002 881	Lock strike - tall			
6004 667	C'sk head No 10 x 38 lg - screws	10	10	10
6001 644	Lock spacer	2	2	2
6001 905	Strike spacer	2	2	2
8001 225	Cylinder - half	1	1	1
275 060	Rosette	1	1	1
028 354	C'sk head No 10 x 13 lg - rosette screws	2	2	2
8002 175	Shoot bolt package	2	3	4
8001 198	Rod - shoot bolt	2	3	4
8001 200	Locking handle - shoot bolt	2	3	4
8001 193	Panel retainer	2	3	4

* Size/weight dependent - refer to limitations

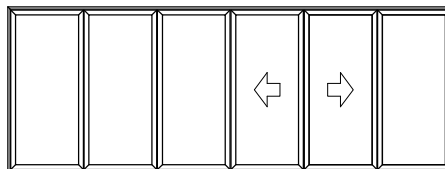
Hardware schedule - Open In types 2 - 2, 2 - 4, 4 - 2 & 4 - 4.



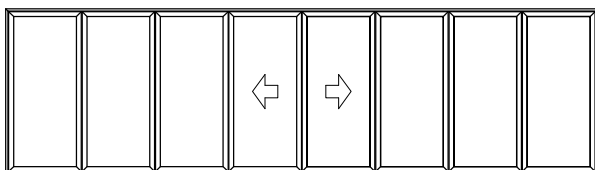
Type : 2 - 2



Type : 2 - 4



Type : 4 - 2



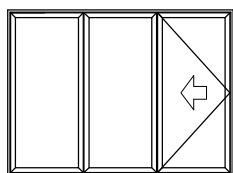
Type : 4 - 4

Hardware Schedule

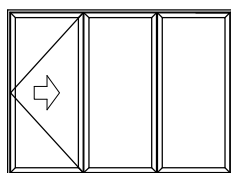
Part No.	Description	2-2	2-4 & 4-2	4-4
8002 465	Roller set - double	0	1	2
8002 612	Roller set R.H. - single	1	1	1
8002 615	Roller set L.H. - single	1	1	1
8001 231	Hinge	*12 or 16	*16 or 22	20 or 28
5000 861	Gasket - hinge	*28 or 36	*40 or 52	*52 or 68
5000 869	Gasket - roller set	4	8	12
*8002 872	Lock - latchless - short			
*8001 213	Lock - latchless - standard	1	1	1
*8001 214	Lock - latchless - tall			
6001 839	C'sk head No 10 x 25 lg - lock screws	9	9	9
*8002 879	Lock strike- short			
*8002 880	Lock strike- standard	1	1	1
*8002 881	Lock strike - tall			
6004 667	C'sk head No 10 x 38 lg - screws	10	10	10
6001 644	Lock spacer	2	2	2
6001 905	Strike spacer	2	2	2
8001 225	Cylinder - half	1	1	1
275 060	Rosette	1	1	1
028 354	C'sk head No 10 x 13 lg - rosette screws	2	2	2
8002 175	Shoot bolt package	2	3	4
8001 198	Rod - shoot bolt	2	3	4
8001 200	Locking handle - shoot bolt	2	3	4
8001 193	Panel retainer	2	3	4

* Size/weight dependent - refer to limitations

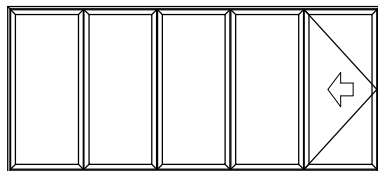
Hardware schedule - Open Out types 3 - 0, 0 - 3, 5 - 0 & 0 - 5.



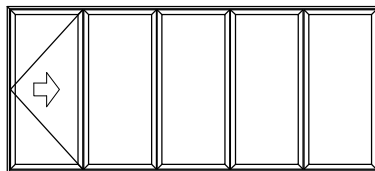
Type : 3 - 0



Type : 0 - 3



Type : 5 - 0



Type : 0 - 5

Hardware Schedule			
Part No.	Description	3-0, 0-3	5-0, 0-5
8002 465	Roller set - double	1	2
8001 231	Hinge	*6 or 9	*9 or 14
8001 232	Hinge/pull handle	1	2
5000 861	Gasket - hinge	*18 or 24	30 or 40
5000 869	Gasket - roller set	4	8
*8002 870	Lock - latch - short	1	1
*8001 210	Lock - latch - standard		
*8001 211	Lock - latch - tall		
6001 839	C'sk head No 10 x 25 lg - lock screws	9	9
*8002 871	Lock strike- short	1	1
*8001 220	Lock strike- standard		
*8001 221	Lock strike - tall		
6001 840	C'sk head No 10 x 16 lg - strike screws	10	10
6001 644	Lock spacer	2	2
#275 054	Lever handle	2	2
275 063	Spindle	1	1
# 8001 223	Cylinder - full	1	1
275 060	Rosette	2	2
028 354	C'sk head No 10 x 13 lg - rosette screws	4	4
8002 175	Shoot bolt package	1	2
8001 198	Rod - shoot bolt	1	2
8001 200	Locking handle - shoot bolt	1	2
8001 193	Panel retainer	1	2
8001 242	Magnet	1	1
028 336	C'sk head No 10 x 41 lg - magnet screws	2	2

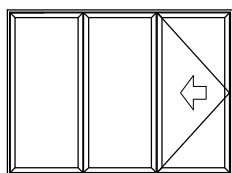
* Size/weight dependent - refer to limitations

Options available - refer to hardware

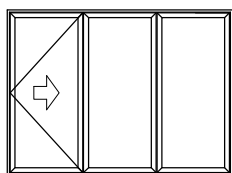
8002 074 - Cylinder, full (security)

Hardware schedule - Open In types 3 - 0, 0 - 3, 5 - 0 & 0 - 5.

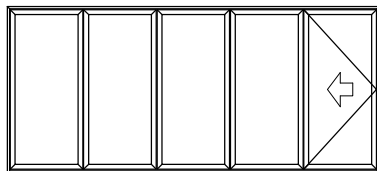
Issue A



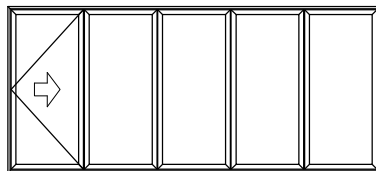
Type : 3 - 0



Type : 0 - 3



Type : 5 - 0



Type : 0 - 5

Hardware Schedule

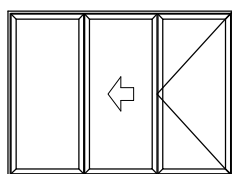
Part No.	Description	3-0, 0-3	5-0, 0-5
8002 465	Roller set - double	1	2
8001 231	Hinge	*7 or 10	*11 or 16
5000 861	Gasket - hinge	*18 or 24	30 or 40
5000 869	Gasket - roller set	4	8
*8002 870	Lock - latch - short		
*8001 210	Lock - latch - standard	1	1
*8001 211	Lock - latch - tall		
6001 839	C'sk head No 10 x 25 lg - lock screws	9	9
*8002 871	Lock strike- short		
*8001 220	Lock strike- standard	1	1
*8001 221	Lock strike - tall		
6001 840	C'sk head No 10 x 16 lg - strike screws	10	10
6001 644	Lock spacer	2	2
#275 054	Lever handle	2	2
275 063	Spindle	1	1
# 8001 223	Cylinder - full	1	1
275 060	Rosette	2	2
028 354	C'sk head No 10 x 13 lg - rosette screws	4	4
8002 175	Shoot bolt package	1	2
8001 198	Rod - shoot bolt	1	2
8001 200	Locking handle - shoot bolt	1	2
8001 193	Panel retainer	1	2
8001 242	Magnet	1	1
028 336	C'sk head No 10 x 41 lg - magnet screws	2	2

* Size/weight dependent - refer to limitations

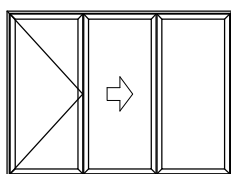
Options available - refer to hardware

8002 074 - Cylinder, full (security)

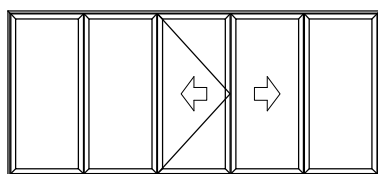
Hardware schedule - Open Out types 2 - 1, 1 - 2, 3 - 2 & 2 - 3.



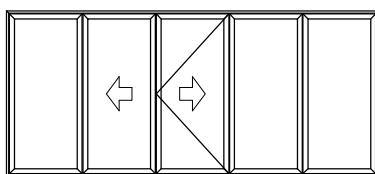
Type : 2 - 1



Type : 1 - 2



Type : 3 - 2



Type : 2 - 3

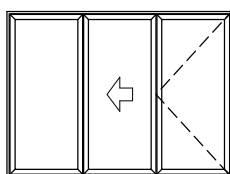
Hardware Schedule					
Part No.	Description	2-1	1-2	3-2	2-3
8002 465	Roller set - double	0	0	1	1
8002 612	Roller set R.H. - single	0	1	1	0
8002 615	Roller set L.H. - single	1	0	0	1
8001 231	Hinge	*8 or 11	*8 or 11	*11 or 16	*11 or 16
8001 232	Hinge/pull handle	1	1	2	2
5000 861	Gasket - hinge	*20 or 26	*20 or 26	*32 or 42	*32 or 42
5000 869	Gasket - roller set	2	2	6	6
*8002 870	Lock - latch - short				
*8001 210	Lock - latch - standard	1	1	1	1
*8001 211	Lock - latch - tall				
6001 839	C'sk head No 10 x 25 lg - lock screws	9	9	9	9
*8002 871	Lock strike- short				
*8001 220	Lock strike- standard	1	1	1	1
*8001 221	Lock strike - tall				
6001 903	C'sk head No 10 x 35 lg - strike screws	10	10	10	10
6001 644	Lock spacer	2	2	2	2
6001 905	Strike spacer	2	2	2	2
#275 054	Lever handle	2	2	2	2
275 063	Spindle	1	1	1	1
# 8001 223	Cylinder - full	1	1	1	1
275 060	Rosette	2	2	2	2
028 354	C'sk head No 10 x 13 lg - rosette screws	4	4	4	4
8002 175	Shoot bolt package	1	1	2	2
8001 198	Rod - shoot bolt	1	1	2	2
8001 200	Locking handle - shoot bolt	1	1	2	2
8001 193	Panel retainer	1	1	2	2
8001 242	Magnet	0	0	1	1
028 336	C'sk head No 10 x 41 lg - magnet screws	0	0	2	2

* Size/weight dependent - refer to limitations

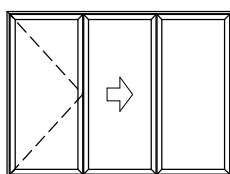
Options available - refer to hardware

8002 074 - Cylinder, full (security)

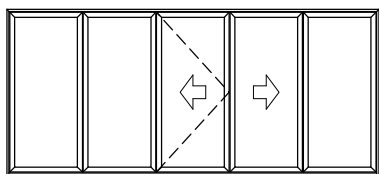
Hardware schedule - Open In types 2 - 1, 1 - 2, 3 - 2 & 2 - 3.



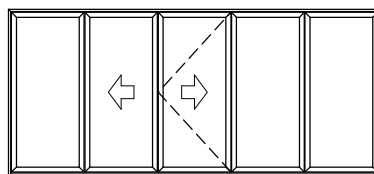
Type : 2 - 1



Type : 1 - 2



Type : 3 - 2



Type : 2 - 3

Hardware Schedule

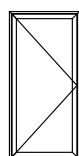
Part No.	Description	2-1	1-2	3-2	2-3
8002 465	Roller set - double	0	0	1	1
8002 612	Roller set R.H. - single	1	0	0	1
8002 615	Roller set L.H. - single	0	1	1	0
8001 231	Hinge	*9 or 12	*9 or 12	*13 or 18	*13 or 18
5000 861	Gasket - hinge	*20 or 26	*20 or 26	*32 or 42	*32 or 42
5000 869	Gasket - roller set	2	2	6	6
*8002 870	Lock - latch - short				
*8001 210	Lock - latch - standard	1	1	1	1
*8001 211	Lock - latch - tall				
6001 839	C'sk head No 10 x 25 lg - lock screws	9	9	9	9
*8002 871	Lock strike- short				
*8001 220	Lock strike- standard	1	1	1	1
*8001 221	Lock strike - tall				
6001 903	C'sk head No 10 x 35 lg - strike screws	10	10	10	10
6001 644	Lock spacer	2	2	2	2
6001 905	Strike spacer	2	2	2	2
#275 054	Lever handle	2	2	2	2
275 063	Spindle	1	1	1	1
# 8001 223	Cylinder - full	1	1	1	1
275 060	Rosette	2	2	2	2
028 354	C'sk head No 10 x 13 lg - rosette screws	4	4	4	4
8002 175	Shoot bolt package	1	1	2	2
8001 198	Rod - shoot bolt	1	1	2	2
8001 200	Locking handle - shoot bolt	1	1	2	2
8001 193	Panel retainer	1	1	2	2
8001 242	Magnet	0	0	1	1
028 336	C'sk head No 10 x 41 lg - magnet screws	0	0	2	2

* Size/weight dependent - refer to limitations

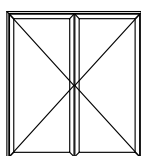
Options available - refer to hardware

8002 074 - Cylinder, full (security)

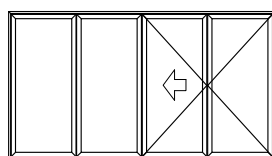
Open Out types 1 - 0, 1 - 1, 3 - 1, 1 - 3, 5 - 1, 1 - 5 & 3 - 3.



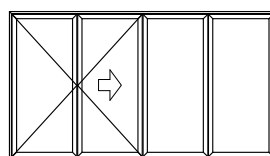
Type : 1 - 0



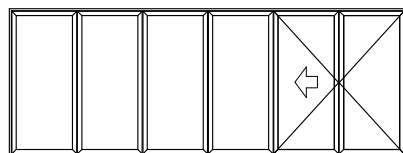
Type : 1 - 1



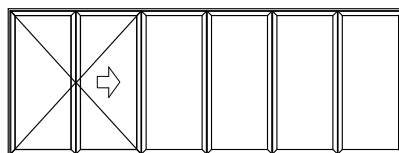
Type : 3 - 1



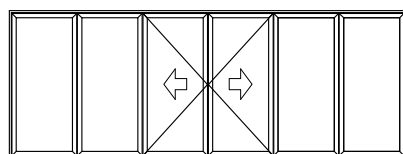
Type : 1 - 3



Type : 5 - 1



Type : 1 - 5



Type : 3 - 3

Hardware Schedule

Part No.	Description	1-0	1-1	3-1, 1-3	5-1, 1-5	3-3
8002 465	Roller set - double	0	0	1	2	2
8001 231	Hinge	*3 or 4	*6 or 8	*9 or 13	*12 or 18	*12 or 18
8001 232	Hinge/pull handle	0	0	1	2	2
5000 861	Gasket - hinge	*6 or 8	*12 or 16	*24 or 32	*36 or 48	*36 or 48
5000 869	Gasket - roller set	0	0	4	8	8
*8002 870	Lock - latch - short					
*8001 210	Lock - latch - standard	1	1	1	1	1
*8001 211	Lock - latch - tall					
6001 839	C'sk head No 10 x 25 lg - lock screws	9	9	9	9	9
*8002 871	Lock strike- short					
*8001 220	Lock strike- standard	1	1	1	1	1
*8001 221	Lock strike - tall					
6001 839	C'sk head No 10 x 25 lg - strike screws	0	10	10	10	10
6001 644	Lock spacer	2	2	2	2	2
6001 644	Strike spacer	0	2	2	2	2
#275 054	Lever handle	2	2	2	2	2
275 063	Spindle	1	1	1	1	1
# 8001 223	Cylinder - full	1	1	1	1	1
275 060	Rosette	2	2	2	2	2
028 354	C'sk head No 10 x 13 lg - rosette screws	4	4	4	4	4
8002 175	Shoot bolt package	0	1	2	3	3
8001 198	Rod - shoot bolt	0	1	2	3	3
8001 200	Locking handle - shoot bolt	0	1	2	3	3
8001 193	Panel retainer	0	0	1	2	2
8001 242	Magnet	0	0	1	1	2
028 336	C'sk head No 10 x 41 lg - magnet screws	0	0	2	2	4
6001 840	C'sk head No 10 x 16 lg - strike screws	10	0	0	0	0

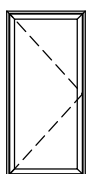
* Size/weight dependent - refer to limitations

Options available - refer to hardware

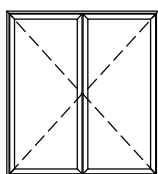
8002 074 - Cylinder, full (security)

Hardware schedule -

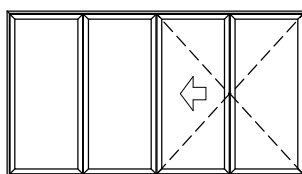
Open In types 1 - 0, 1 - 1, 3 - 1, 1 - 3, 5 - 1, 1 - 5 & 3 - 3.



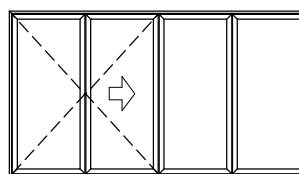
Type : 1 - 0



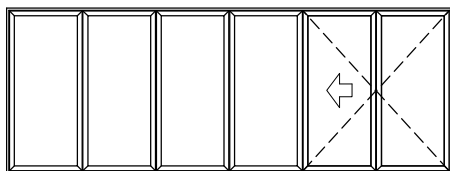
Type : 1 - 1



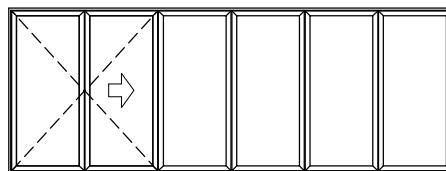
Type : 3 - 1



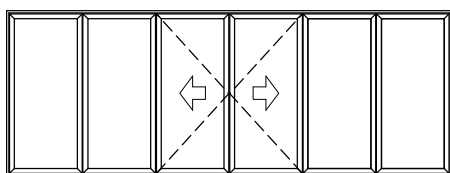
Type : 1 - 3



Type : 5 - 1



Type : 1 - 5



Type : 3 - 3

Hardware Schedule

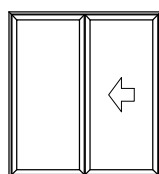
Part No.	Description	1-0	1-1	3-1, 1-3	5-1, 1-5	3-3
8002 465	Roller set - double	0	0	1	2	2
8001 231	Hinge	*3 or 4	*6 or 8	*10 or 14	*14 or 20	*14 or 20
5000 861	Gasket - hinge	*6 or 8	*12 or 16	*24 or 32	*36 or 48	*36 or 48
5000 869	Gasket - roller set	0	0	4	8	8
*8002 870	Lock - latch - short					
*8001 210	Lock - latch - standard	1	1	1	1	1
*8001 211	Lock - latch - tall					
6001 839	C'sk head No 10 x 25 lg - lock screws	9	9	9	9	9
*8002 871	Lock strike- short					
*8001 220	Lock strike- standard	1	1	1	1	1
*8001 221	Lock strike - tall					
6001 839	C'sk head No 10 x 25 lg - strike screws	0	10	10	10	10
6001 644	Lock spacer	2	2	2	2	2
6001 644	Strike spacer	0	2	2	2	2
#275 054	Lever handle	2	2	2	2	2
275 063	Spindle	1	1	1	1	1
# 8001 223	Cylinder - full	1	1	1	1	1
275 060	Rosette	2	2	2	2	2
028 354	C'sk head No 10 x 13 lg - rosette screws	4	4	4	4	4
8002 175	Shoot bolt package	0	1	2	3	3
8001 198	Rod - shoot bolt	0	1	2	3	3
8001 200	Locking handle - shoot bolt	0	1	2	3	3
8001 193	Panel retainer	0	0	1	2	2
8001 242	Magnet	0	0	1	2	2
028 336	C'sk head No 10 x 41 lg - magnet screws	0	0	2	2	2
6001 840	C'sk head No 10 x 16 lg - strike screws	10	0	0	0	0

* Size/weight dependent - refer to limitations

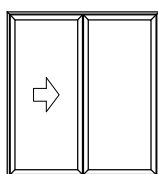
Options available - refer to hardware

8002 074 - Cylinder, full (security)

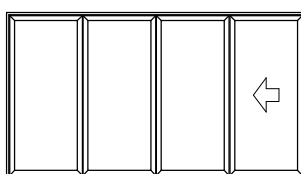
Hardware schedule - Open Out types 2 - 0, 0 - 2, 4 - 0, 0 - 4, 6 - 0 & 0 - 6.



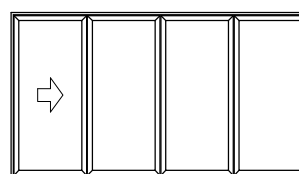
Type : 2 - 0



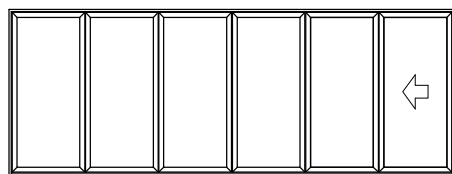
Type : 0 - 2



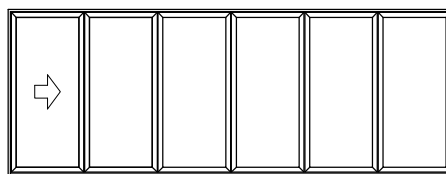
Type : 4 - 0



Type : 0 - 4



Type : 6 - 0



Type : 0 - 6

Hardware Schedule							
Part No.	Description	2-0	0-2	4-0	0-4	6-0	0-6
8002 465	Roller set - double	0	0	1	1	2	2
8002 612	Roller set R.H. - single	0	1	0	1	0	1
8002 615	Roller set L.H. - single	1	0	1	0	1	0
8001 231	Hinge	*5 or 7	*5 or 7	*8 or 12	*8 or 12	*11 or 17	*11 or 17
8001 232	Hinge/pull handle	1	1	2	2	3	3
5000 861	Gasket - hinge	*14 or 18	*14 or 18	*26 or 34	*26 or 34	38 or 50	38 or 50
5000 869	Gasket - roller set	2	2	6	6	10	10
*8002 872	Lock - latchless - short						
*8001 213	Lock - latchless - standard	1	1	1	1	1	1
*8001 214	Lock - latchless - tall						
6001 839	C'sk head No 10 x 25 lg - lock screws	9	9	9	9	9	9
*8002 873	Lock strike- short						
*8002 874	Lock strike- standard	1	1	1	1	1	1
*8002 878	Lock strike - tall						
6001 902	C'sk head No 10 x 19 lg - strike screws	10	10	10	10	10	10
6001 644	Lock spacer	2	2	2	2	2	2
6001 904	Strike spacer	2	2	2	2	2	2
8001 225	Cylinder - half	1	1	1	1	1	1
275 060	Rosette	1	1	1	1	1	1
028 354	C'sk head No 10 x 13 lg - rosette screws	2	2	2	2	2	2
8002 175	Shoot bolt package	1	1	2	2	3	3
8001 198	Rod - shoot bolt	1	1	2	2	3	3
8001 200	Locking handle - shoot bolt	1	1	2	2	3	3
8001 193	Panel retainer	1	1	2	2	3	3

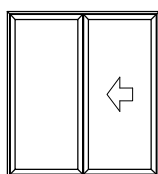
* Size/weight dependent - refer to limitations

Kawneer's continuous development and engineering programmes may bring about product changes. Kawneer reserve the right to introduce without notice such changes which will not detract from the product's performance.

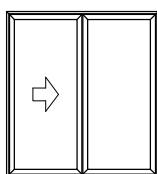
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Hardware schedule -

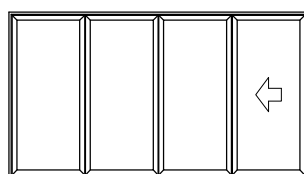
Open In types 2 - 0, 0 - 2, 4 - 0, 0 - 4, 6 - 0 & 0 - 6.



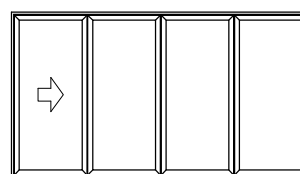
Type : 2 - 0



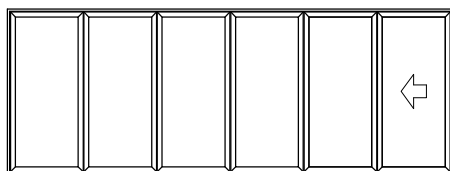
Type : 0 - 2



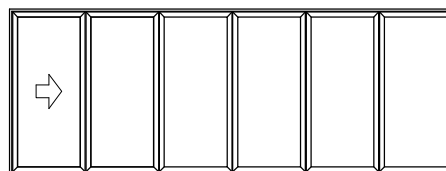
Type : 4 - 0



Type : 0 - 4



Type : 6 - 0



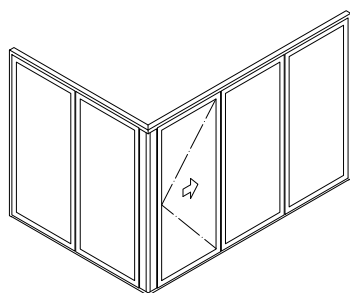
Type : 0 - 6

Hardware Schedule

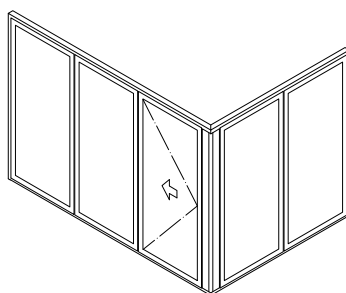
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8002 465	Roller set - double	0	0	1	1	2	2
8002 612	Roller set R.H. - single	1	0	1	0	1	0
8002 615	Roller set L.H. - single	0	1	0	1	0	1
8001 231	Hinge	*6 or 8	*6 or 8	*10 or 14	*10 or 14	*14 or 20	*14 or 20
5000 861	Gasket - hinge	*14 or 18	*14 or 18	*26 or 34	*26 or 34	38 or 50	38 or 50
5000 869	Gasket - roller set	2	2	6	6	10	10
*8002 872	Lock - latchless - short						
*8001 213	Lock - latchless - standard	1	1	1	1	1	1
*8001 214	Lock - latchless - tall						
6001 839	C'sk head No 10 x 25 lg - lock screws	9	9	9	9	9	9
*8002 873	Lock strike- short						
*8002 874	Lock strike- standard	1	1	1	1	1	1
*8002 878	Lock strike - tall						
6001 902	C'sk head No 10 x 19 lg - strike screws	10	10	10	10	10	10
6001 644	Lock spacer	2	2	2	2	2	2
6001 904	Strike spacer	2	2	2	2	2	2
8001 225	Cylinder - half	1	1	1	1	1	1
275 060	Rosette	1	1	1	1	1	1
028 354	C'sk head No 10 x 13 lg - rosette screws	2	2	2	2	2	2
8002 175	Shoot bolt package	1	1	2	2	3	3
8001 198	Rod - shoot bolt	1	1	2	2	3	3
8001 200	Locking handle - shoot bolt	1	1	2	2	3	3
8001 193	Panel retainer	1	1	2	2	3	3

* Size/weight dependent - refer to limitations

Hardware schedule - Open Out types 3 - 2 & 2 - 3.



Type : 2 - 3



Type : 3 - 2

Hardware Schedule			
Part No.	Description	3-2	2-3
8002 465	Roller set - double	2	2
8001 231	Hinge	*12 or 18	*12 or 18
8001 232	Hinge/pull handle	2	2
5000 861	Gasket - hinge	*36 or 50	*14 or 50
5000 869	Gasket - roller set	8	8
*8002 870	Lock - latch - short	1	1
*8001 210	Lock - latch - standard		
*8001 211	Lock - latch - tall		
6001 839	C'sk head No 10 x 25 lg - lock screws	9	9
*8002 871	Lock strike- short	1	1
*8001 220	Lock strike- standard		
*8001 221	Lock strike - tall		
6001 839	C'sk head No 10 x 25 lg - strike screws	10	10
6001 644	Lock spacer	2	2
6001 644	Strike spacer	2	2
#275 054	Lever handle	2	2
275 063	Spindle	1	1
# 8001 223	Cylinder - full	1	1
275 060	Rosette	2	2
028 354	C'sk head No 10 x 13 lg - rosette screws	4	4
8002 175	Shoot bolt package	3	3
8001 198	Rod - shoot bolt	3	3
8001 200	Locking handle - shoot bolt	3	3
8001 193	Panel retainer	2	2
8001 242	Magnet	2	2
028 336	C'sk head No 10 x 41 lg - magnet screws	2	2
8002 086	Magnet cap (corners)	2	2
6001 839	C'sk head No 10 x 25 lg - magnet screws	2	2

* Size/weight dependent - refer to limitations

Options available - refer to hardware

8002 074 - Cylinder, full (security)

Thermal values - Introduction.

Introduction

U values (U_f) may be determined by means of

- Detailed calculations by means of computer simulation.
- Physical testing.

Whichever method is used it should be noted that obtaining better values than those from physical test should not be possible and the more simplified the method the more conservative should be the values obtained and greater the possible error. It should also be noted that while calculated U values are acceptable for Building Regulations, test results in accordance with the appropriate measurement standards are preferred when available. Further details and guidance on using the above methods can be found in the relevant British Standards and other reference documents.

Methods

Computer Simulation

BS EN ISO 10077-2, *thermal performance of windows, doors and shutters - Calculation of thermal transmittance. Part 2 Numerical method for frames.*

This standard provides a more detailed method of assessing frame and whole window values by use of computer simulation software. This method can be used to calculate U frame (U_f) values for use with BS EN ISO 10077-1 where a simulation using an insulated panel with thermal conductivity $\lambda = 0.035 \text{ W/(mK)}$ conductance is performed to obtain a U_f value. This standard can also be used to determine whole window U values (U_w) by assessing glazing in place of an insulated panel, this is achieved by combining the above simulations to derive a figure for the linear transmittance of the perimeter of the glazing (Ψ). The whole window

U value can then be calculated as stated in BS EN ISO 10077-1.

Physical Testing

BS EN ISO 12567-1, *Thermal performance of windows, doors and shutters - Determination of thermal performance by hot box method - part 1 complete windows and doors.*

This method tests a complete glazed window assembly but to predetermined sizes to reduce the amount of work re-calibrating the hot box. More information concerning the standard sizes for windows and doors are specified in the standard BS EN 14351-1 *Window and doors - Product standard, performance characteristics.*

Other Information

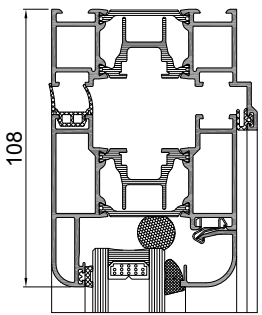
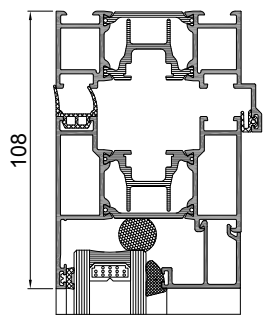
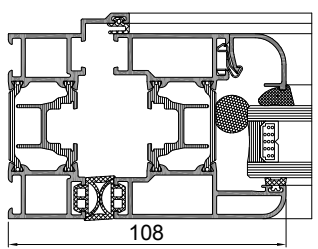
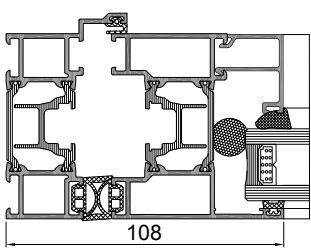
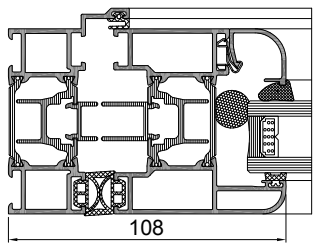
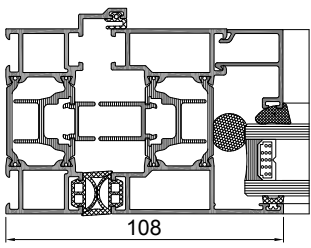
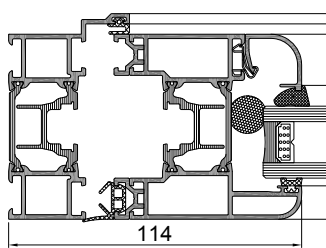
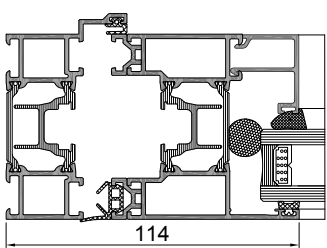
CAB Setting the standard No.7 *A guide to the assessment of the Thermal performance of Aluminum fenestration products.*

This guide provides more comprehensive information relating to thermal performance along with measurement methods for assessing different types of window construction. Detailed examples of calculation of both simplified (BS EN ISO10077-1) and numerical methods (BS EN ISO10077-2) are given.

Important Note:

U_f values given on the following pages are based on a 28mm thick panel.

Thermal values - Open Out, frame and vent profiles.

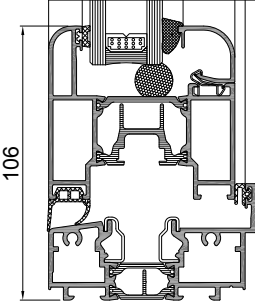
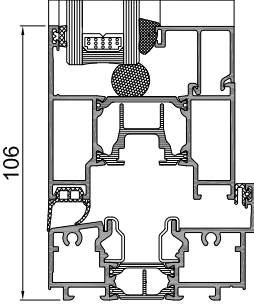
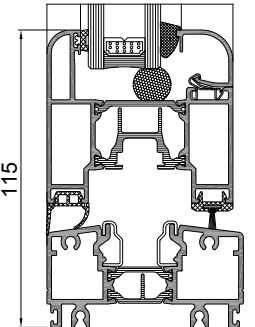
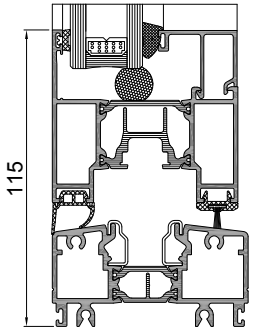
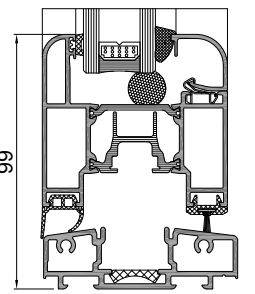
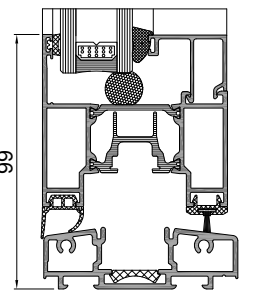
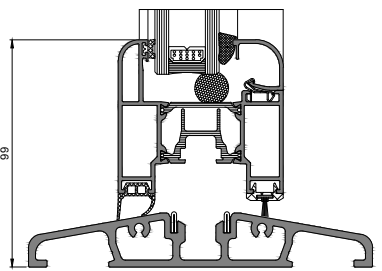
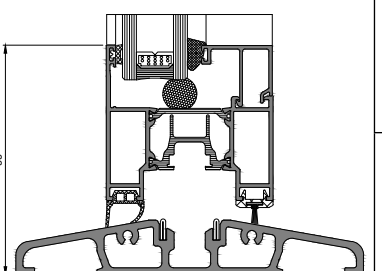
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		0.9e 2.445			0.9e 2.514	
		0.2e 1.805			0.2e 1.86	H1 09.01
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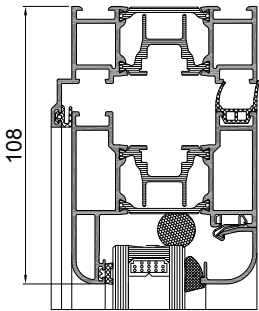
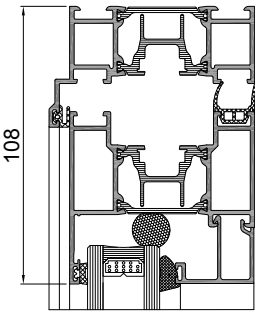
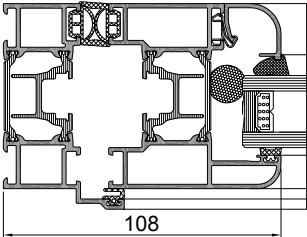
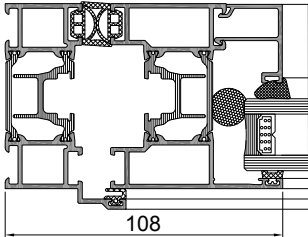
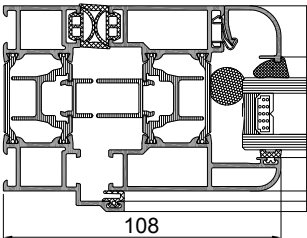
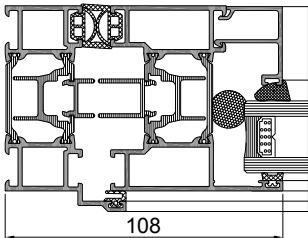
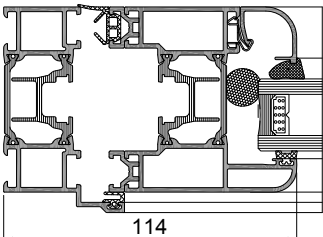
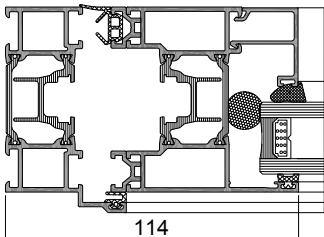
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Thermal values - Open Out, threshold and vent profiles.

Issue A

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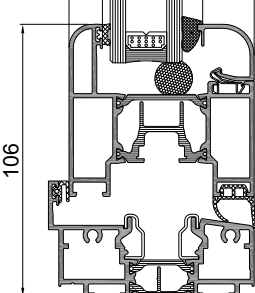
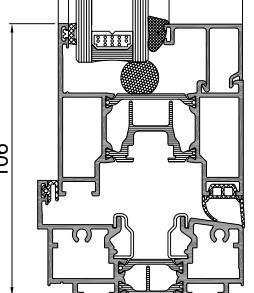
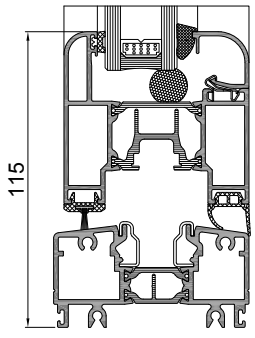
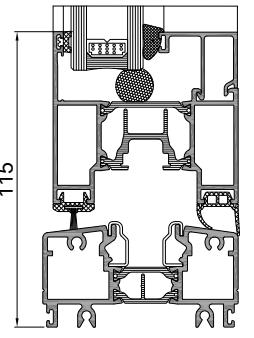
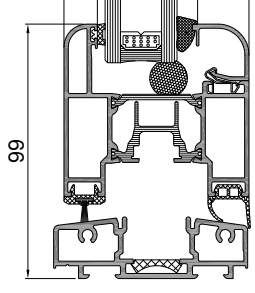
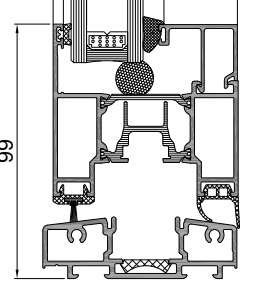
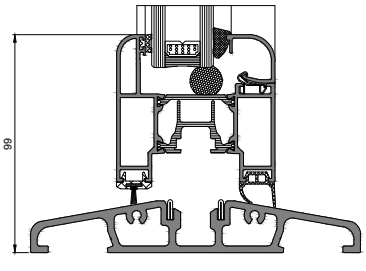
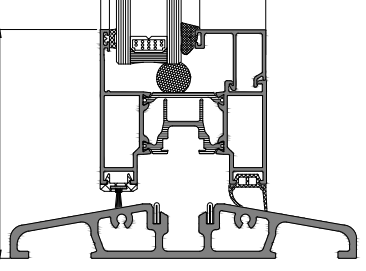
Thermal values - Open In, frame and vent profiles.

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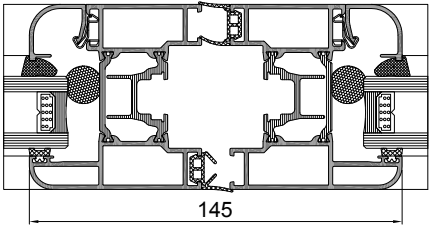
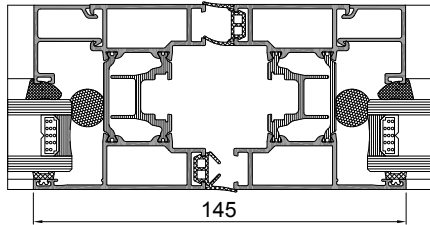
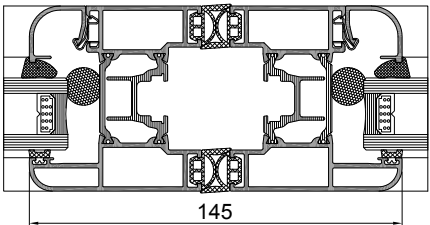
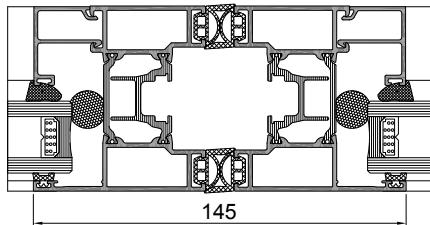
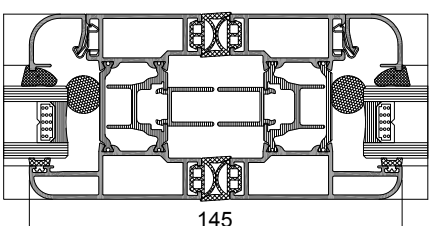
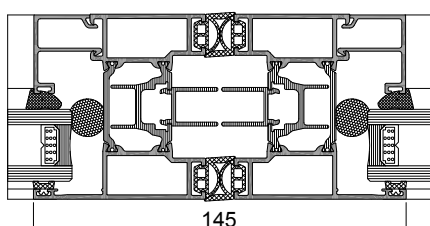
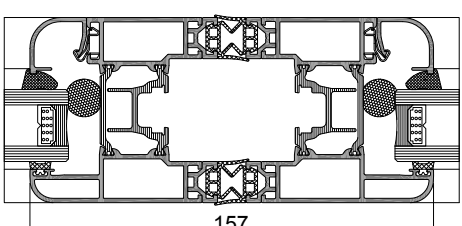
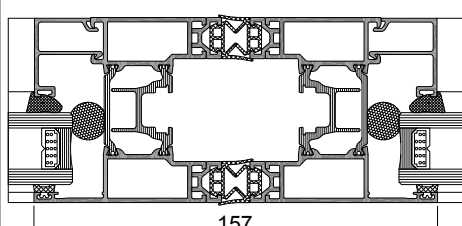
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Thermal values - Open In, threshold and vent profiles.

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Thermal values - Vent/vent profiles (Open Out and Open In).

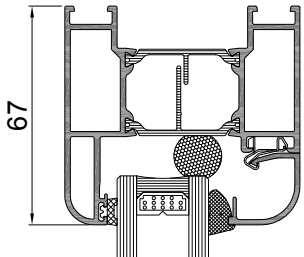
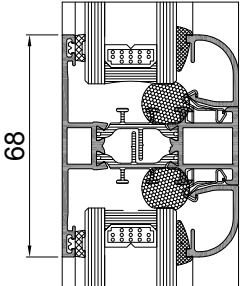
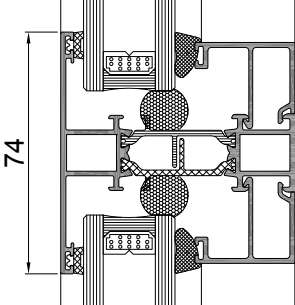
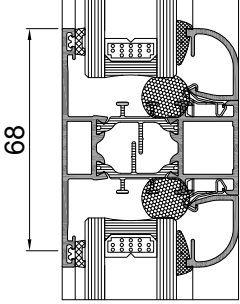
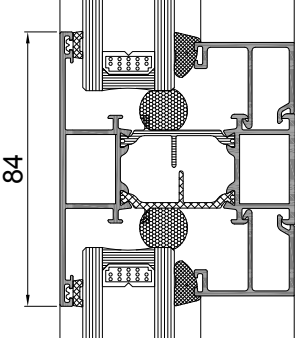
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Thermal values - Frame and muntin profiles.

Issue A

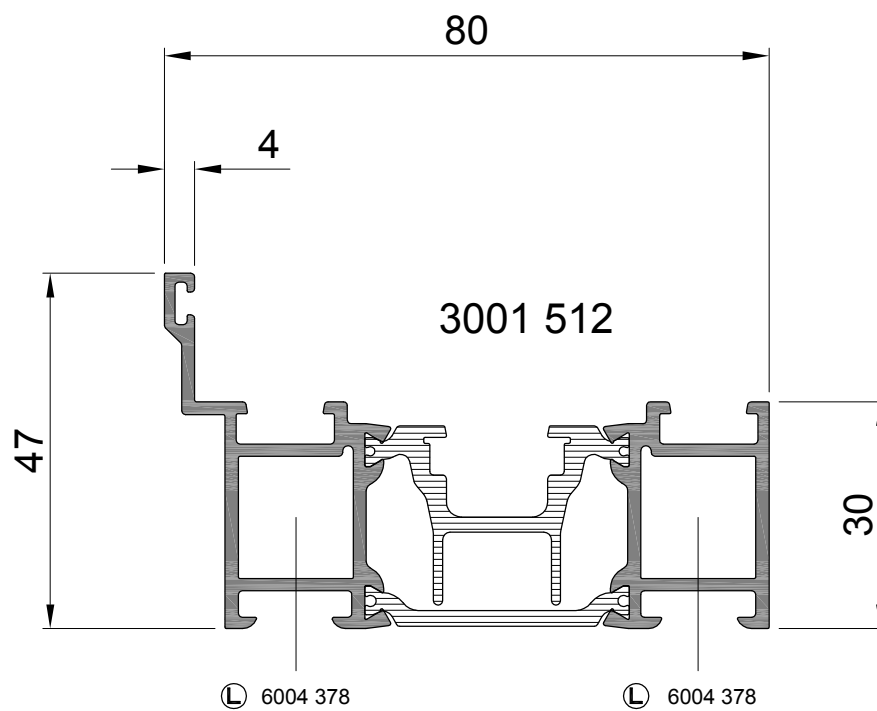
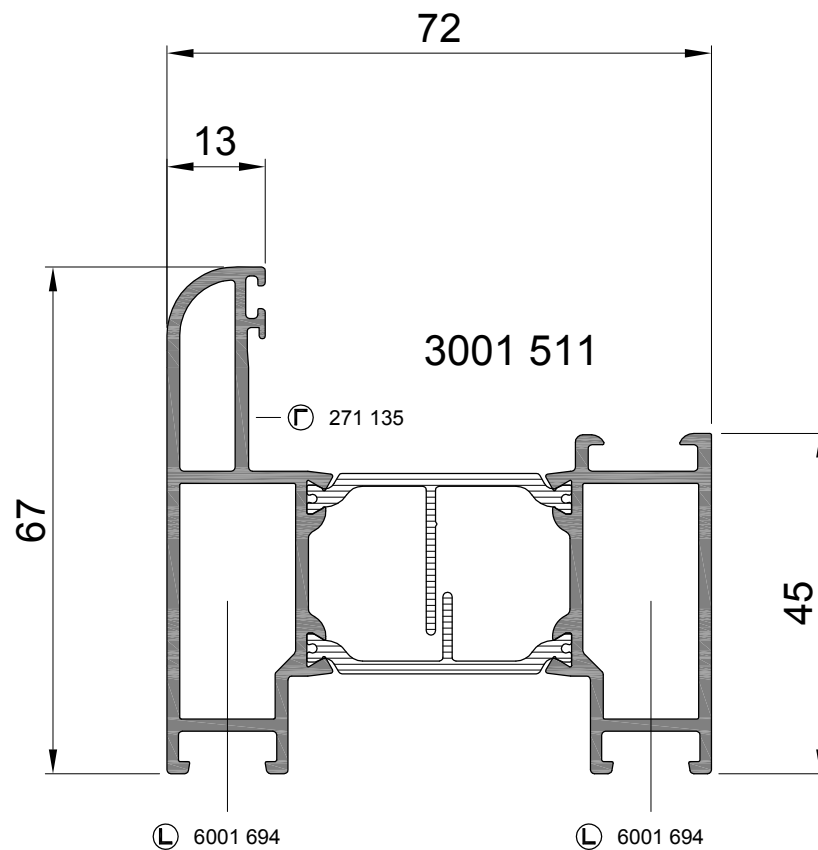
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Profiles

AA[®]3720

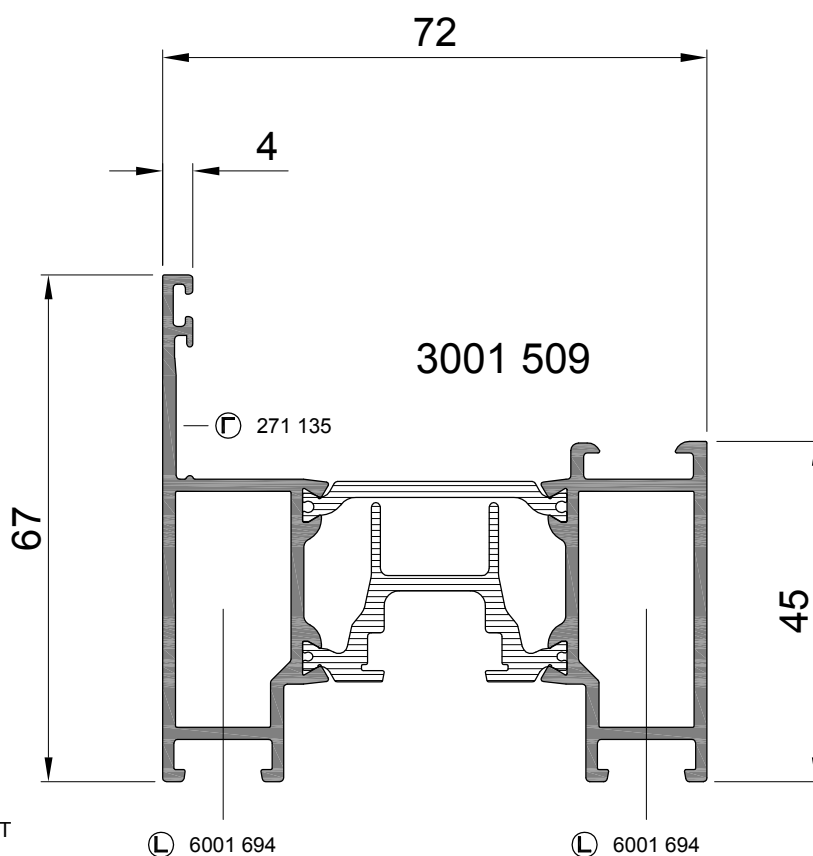
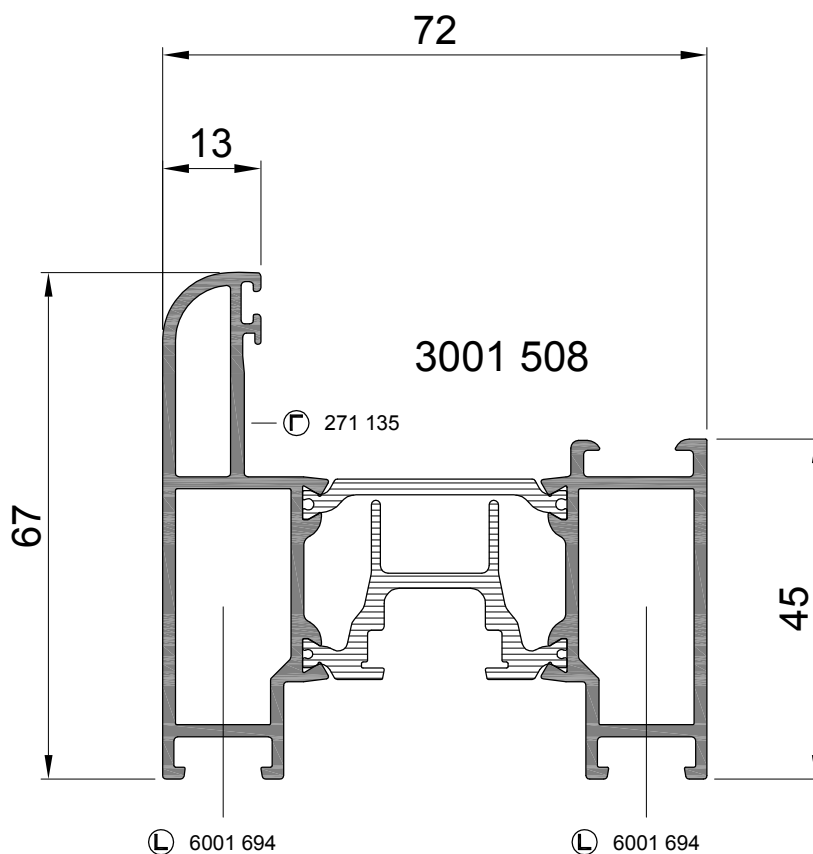
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C1-2	A	Profile information - Vents.
C1-3	A	Profile information - Vents.
C1-4	A	Profile information - Thresholds (rebated, low and sunken).
C1-5	A	Profile information - Cill and frame adaptor.
C1-6	A	Profile information - Muntin, 24mm & 29mm.
C1-7	A	Profile information - Muntin 24mm & 34mm.
C1-8	A	Profile information - Coupling mullion (Std & 48mm & 78mm box).
C1-9	A	Profile information - 90° Corner and 135° corner muntin.
C1-10	A	Profile information - Panel corner post 90°.
C1-11	A	Profile information - Cills.
C1-12	A	Profile information - Standard beads.
C1-13	A	Profile information - Softline beads.
C1-14	A	Profile information - Box beads.
C1-15	A	Profile information - Coupling profile, screw spline & settling profile.

Profile information - Frame (45mm & 30mm).



- Ⓛ CORNER CLEAT
- ⓕ CORNER BRACE

Profile information - Vents.

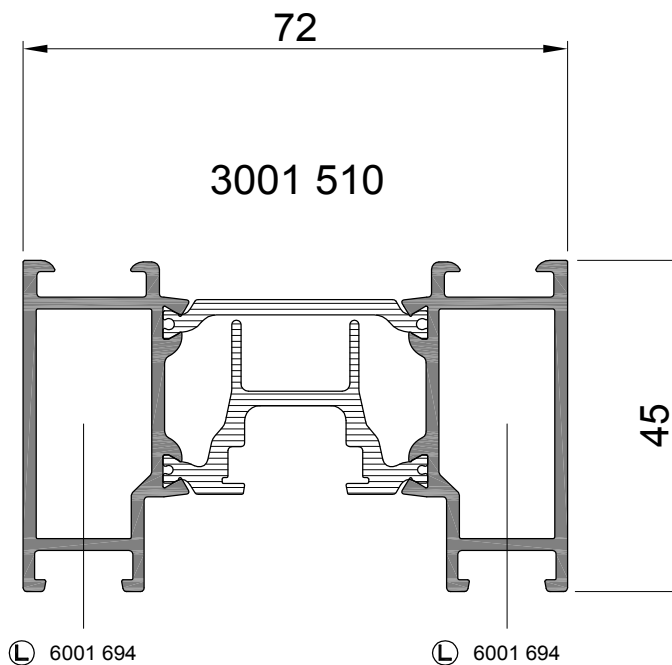


- Ⓛ CORNER CLEAT
- Ⓜ CORNER BRACE

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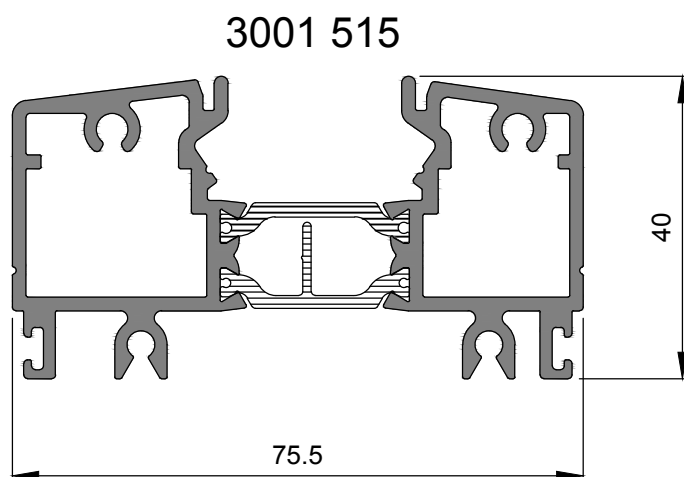
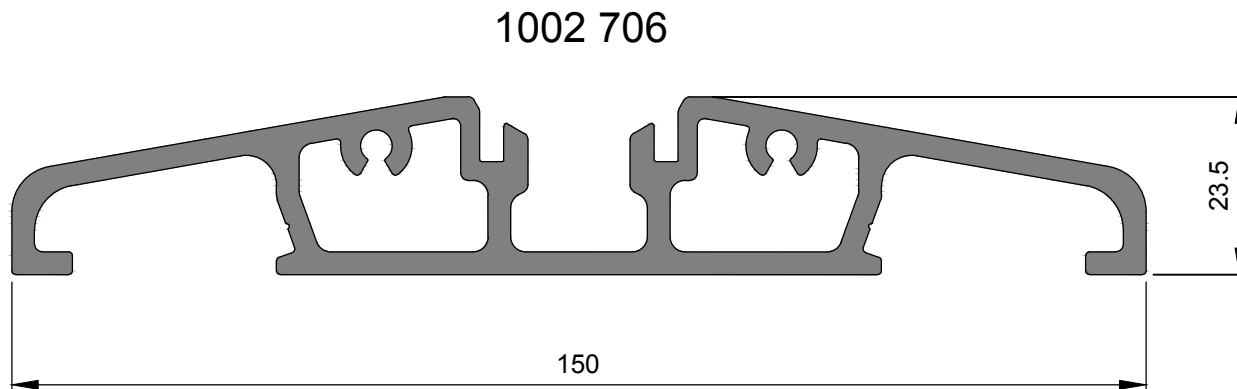
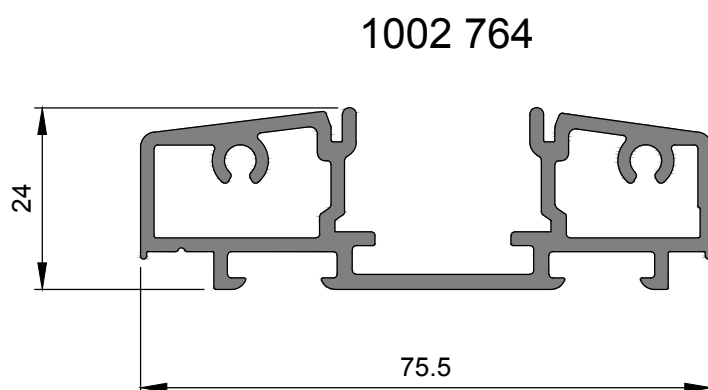
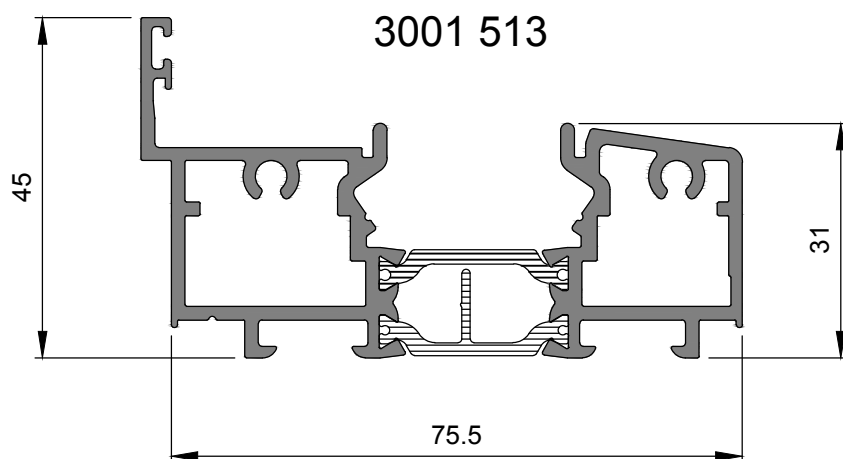
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Profile information - Vents.



- Ⓛ CORNER CLEAT
- Ⓜ CORNER BRACE

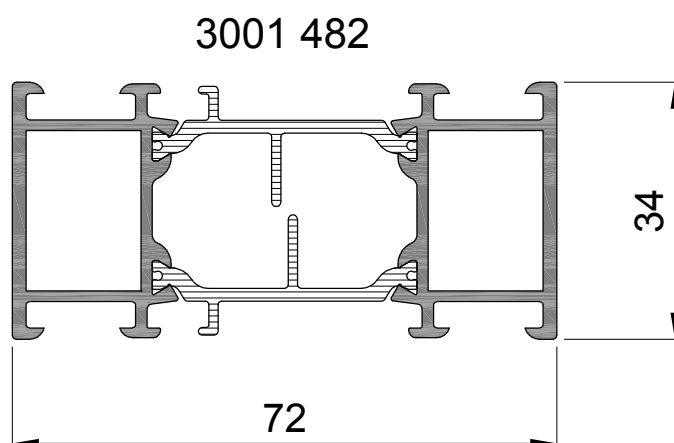
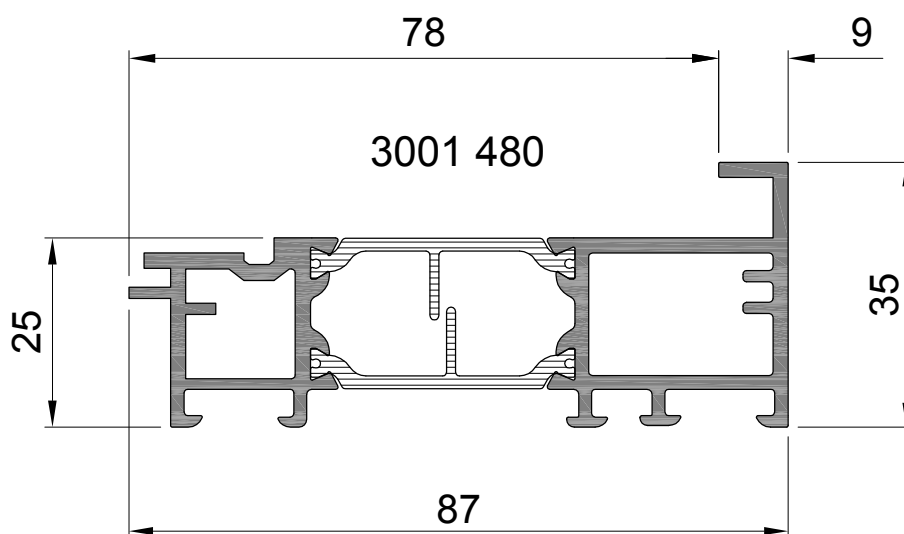
Profile information - Thresholds (rebated, low and sunken).



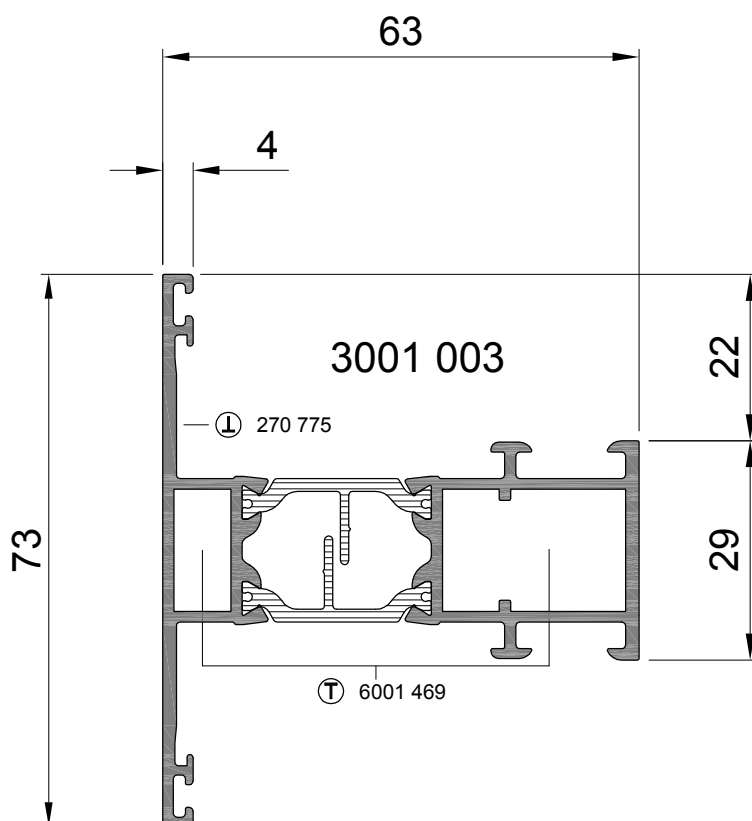
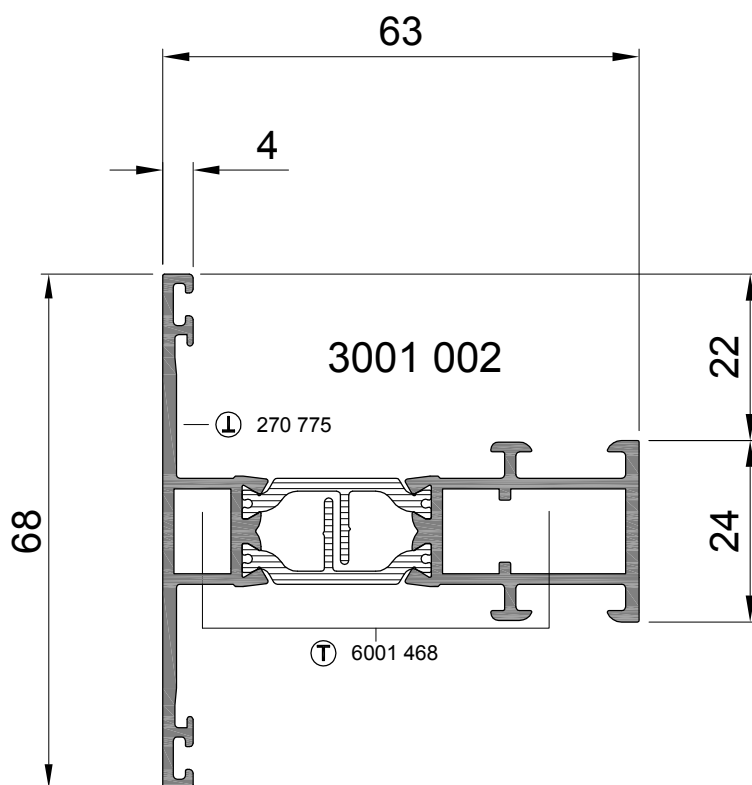
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Profile information - Cill and frame adaptor.



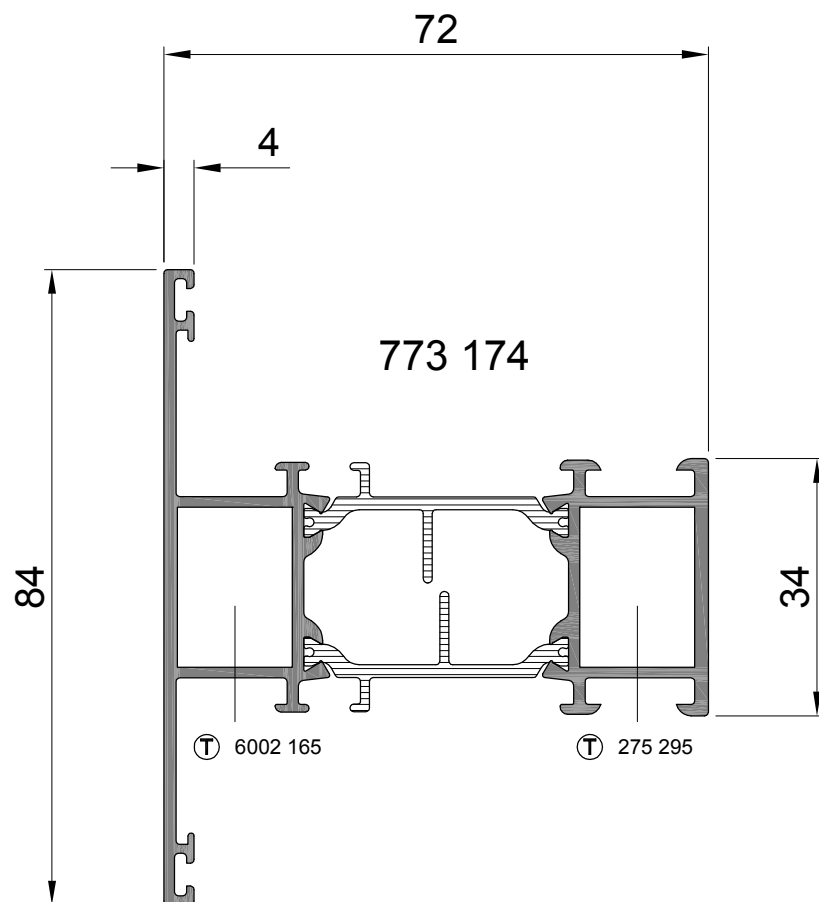
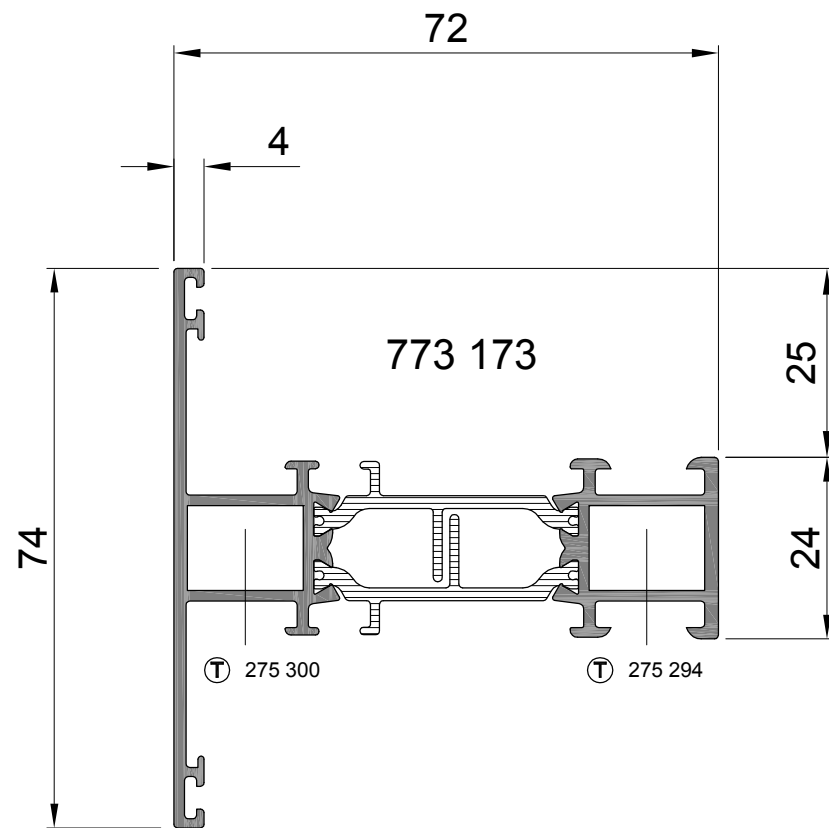
Profile information - Muntin, 24mm & 29mm.



- Ⓣ MUNTIN CLEAT PKG
- Ⓟ CORNER BRACE
- Ⓛ MUNTIN BRACE

Profile information - Muntin 24mm & 34mm.

Issue A

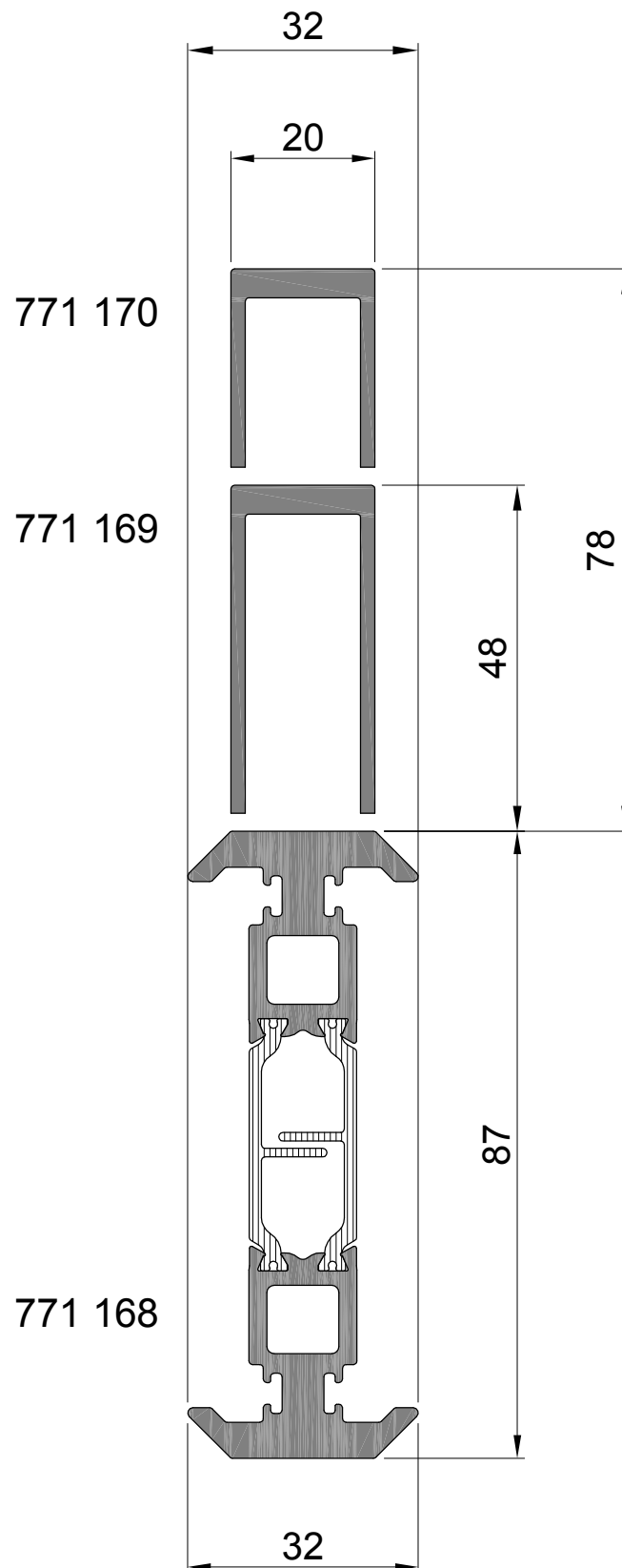


Ⓜ MUNTIN CLEAT PKG

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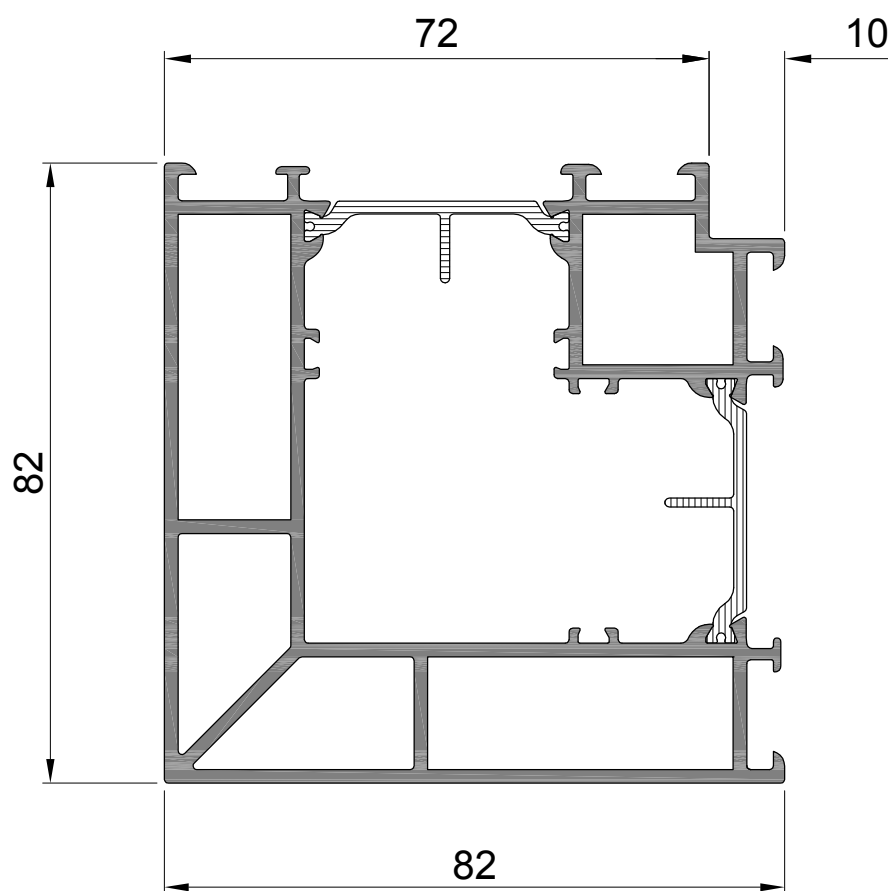
Profile information - Coupling mullion (Std & 48mm & 78mm box).



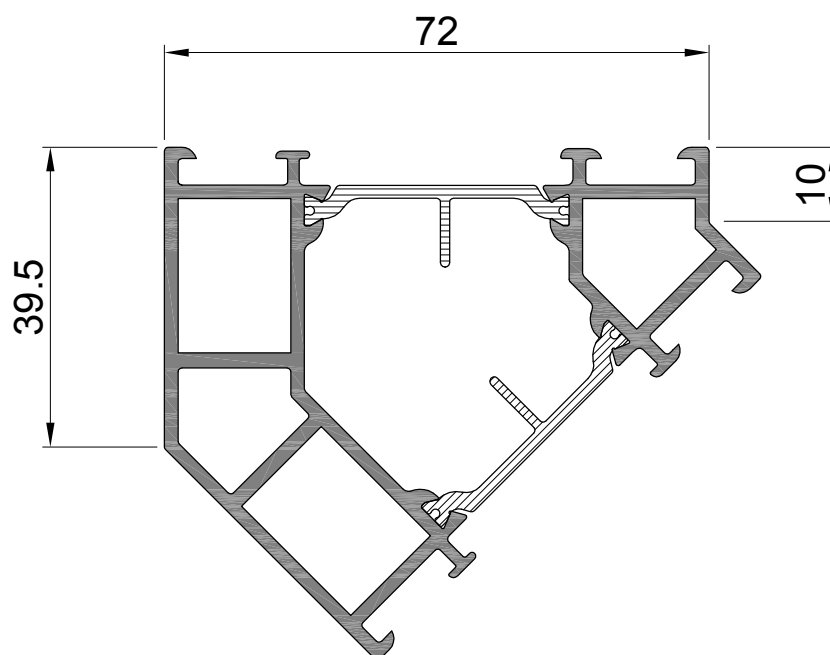
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Profile information - 90° Corner and 135° corner muntin.

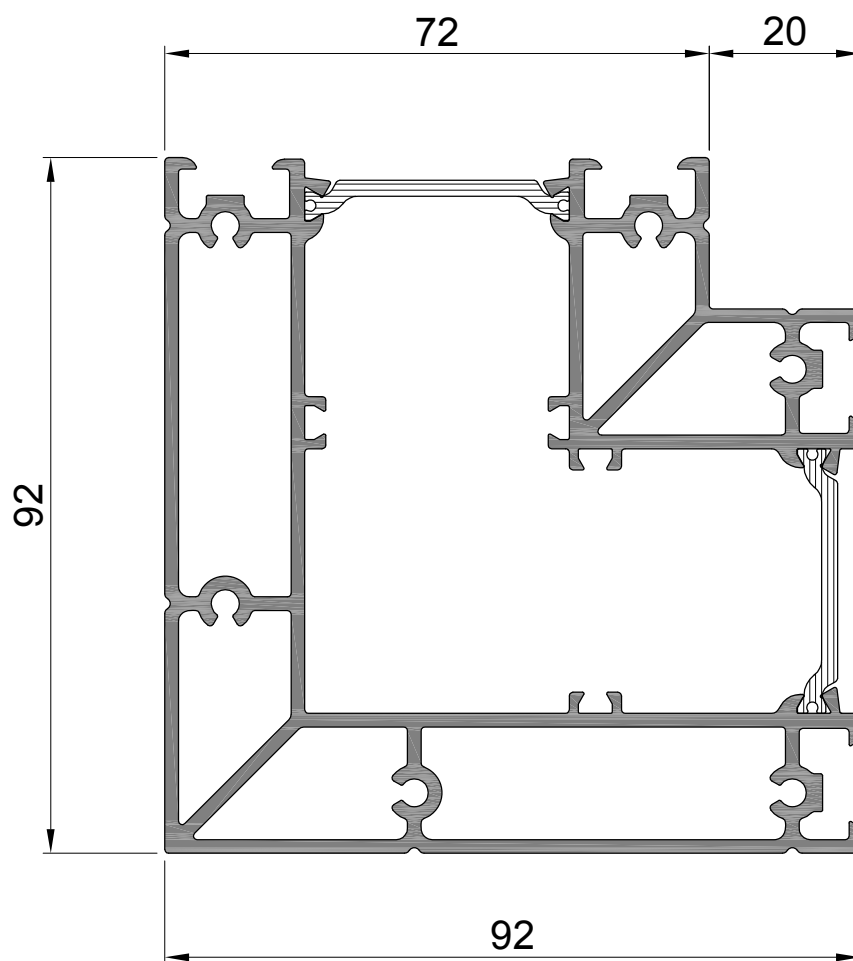


771 166



771 164

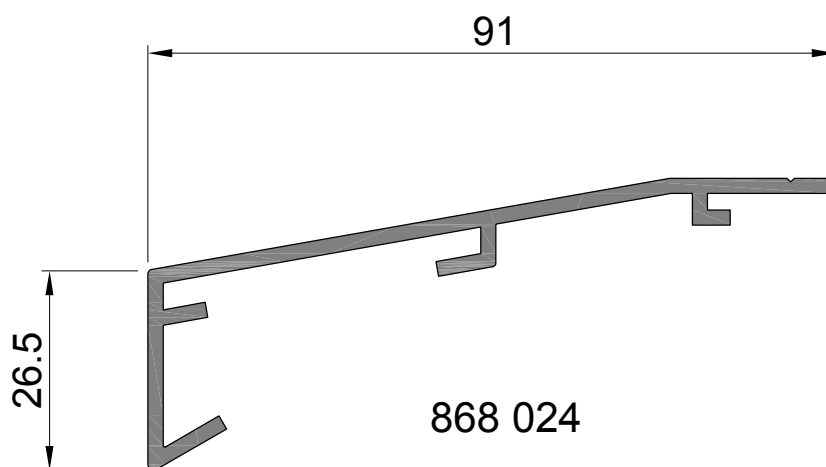
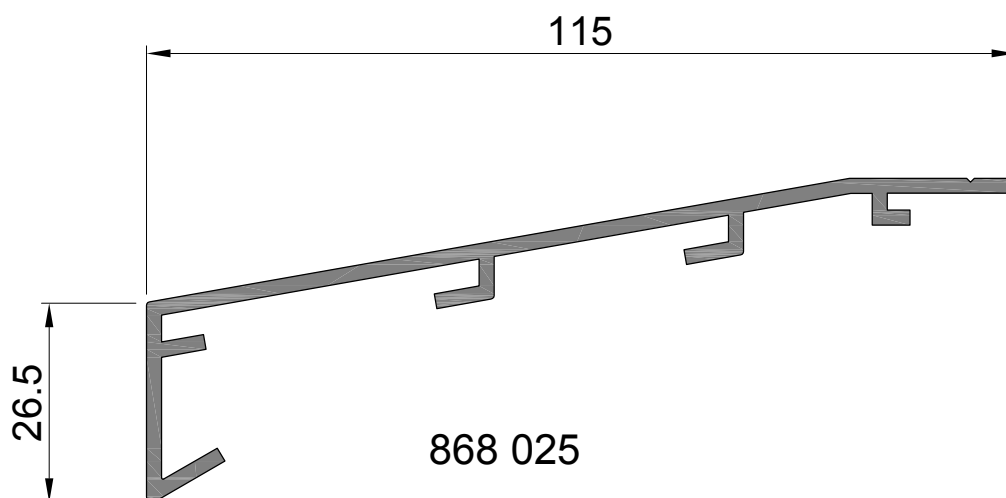
Profile information - Panel corner post 90°.



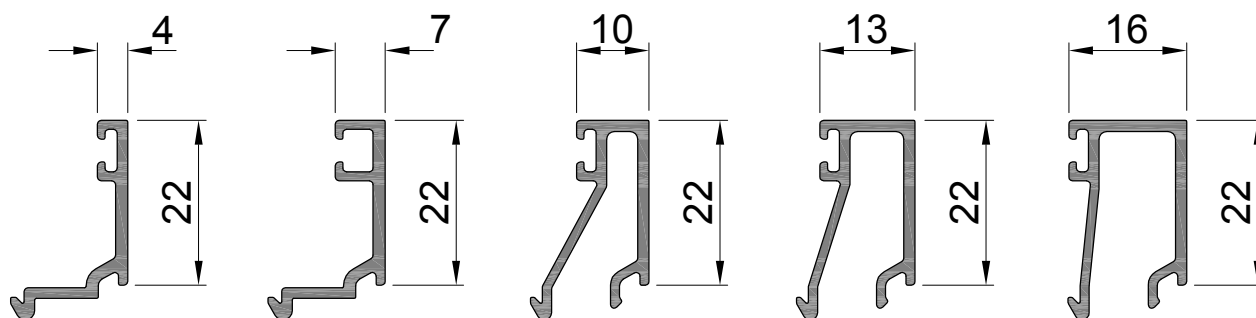
3001 516

Profile information - Cills.

Issue A



Profile information - Standard beads.



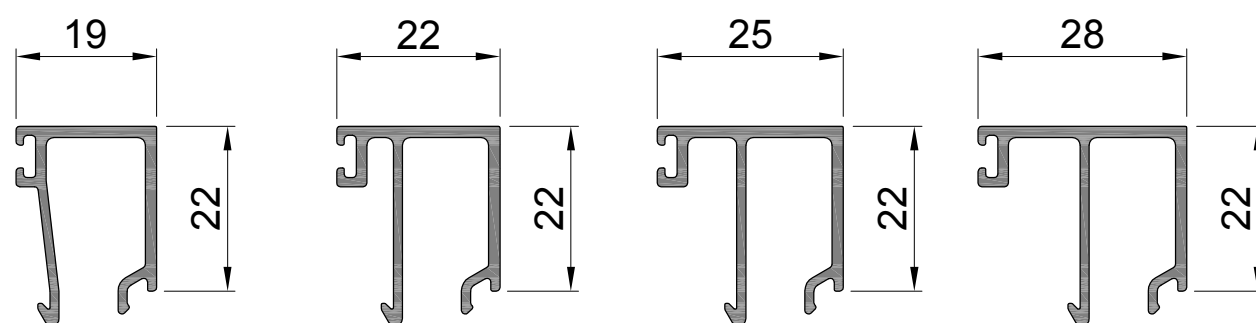
694 205

694 314

694 206

694 207

694 208

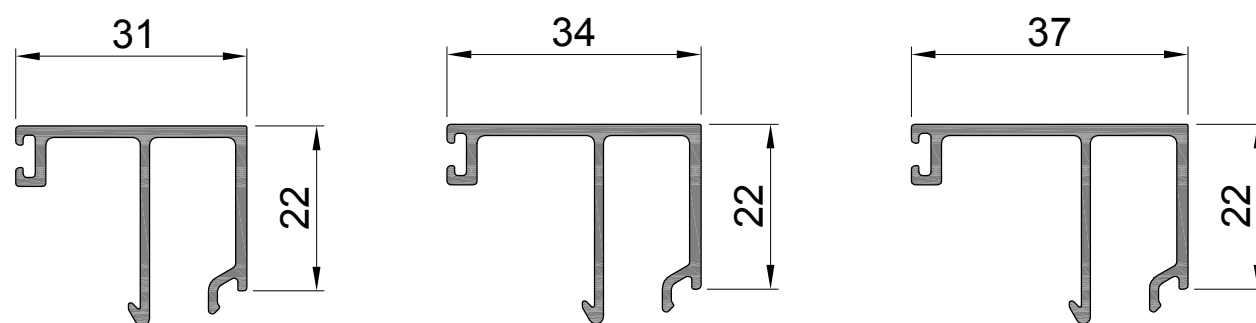


694 209

694 210

694 211

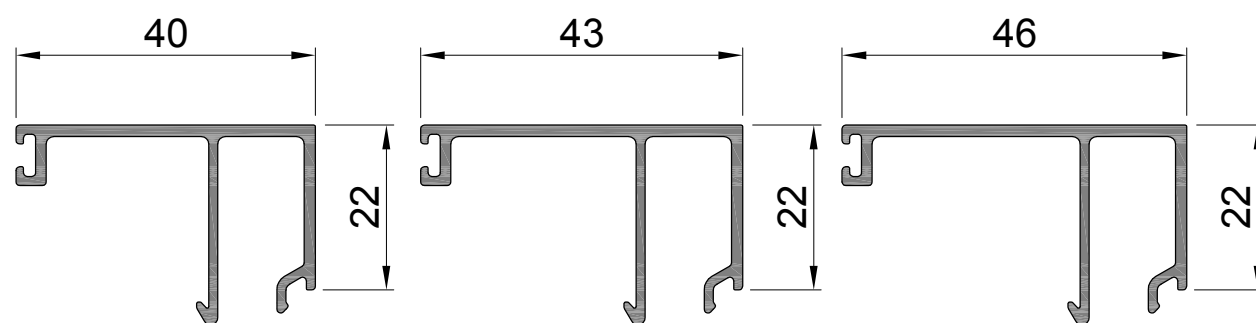
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694 213

694 214

694 215



694 216

694 217

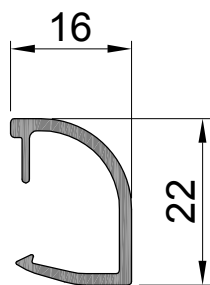
694 218

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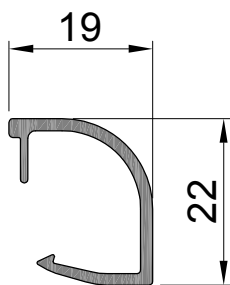
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Profile information - Softline beads.

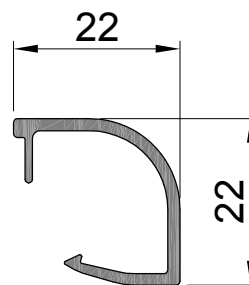
Issue A



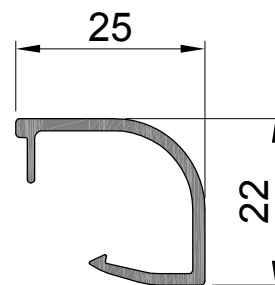
* 171 406



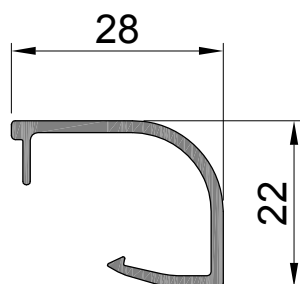
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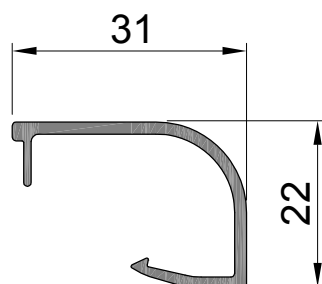
171 408



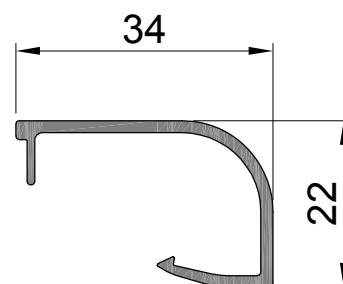
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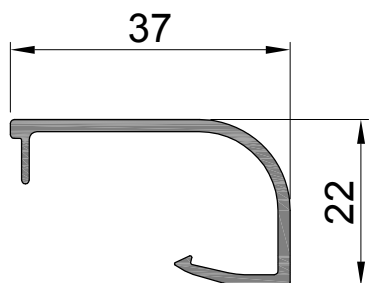
* 171 410



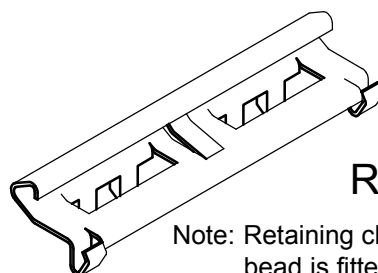
* 171 230



* 171 411



* 171 561

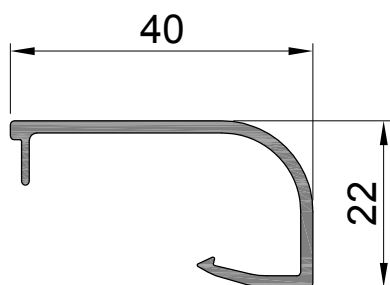


271 300

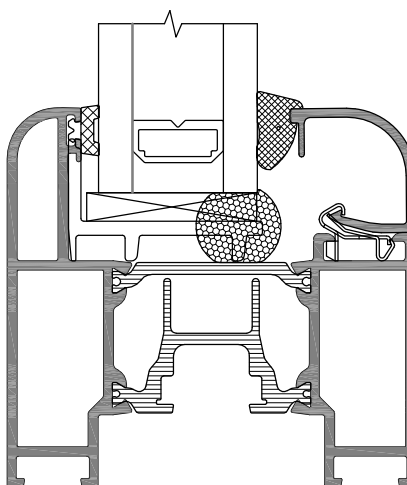
Retaining clip

Note: Retaining clips are not re-usable once bead is fitted.

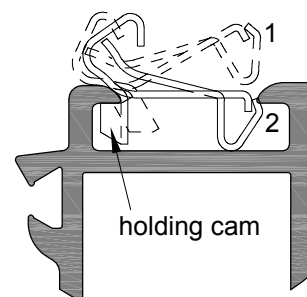
If bead is removed the clips must be replaced.



* 173 344

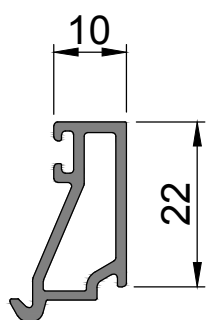


glazing bead foot must 'click in'.

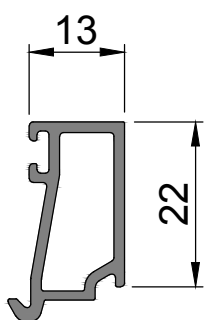


holding cam

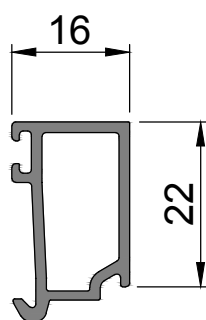
Profile information - Box beads and slope beads.



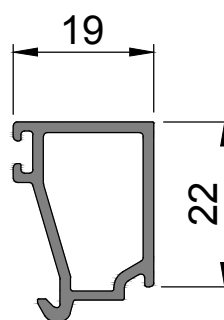
694 315



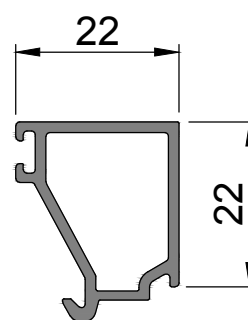
694 316



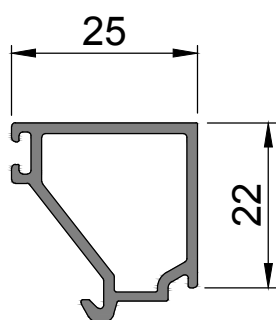
694 317



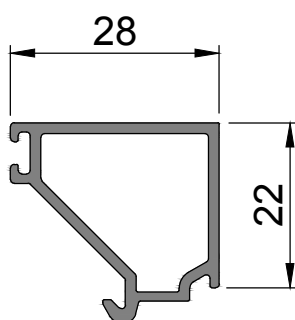
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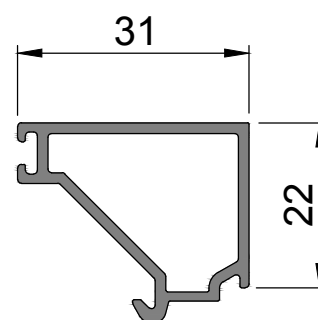
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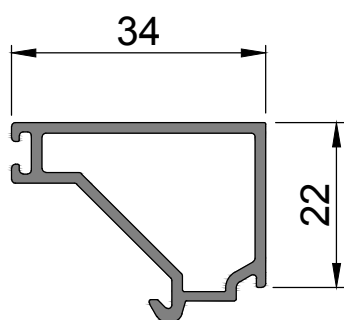
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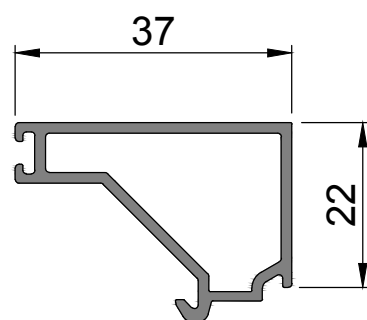
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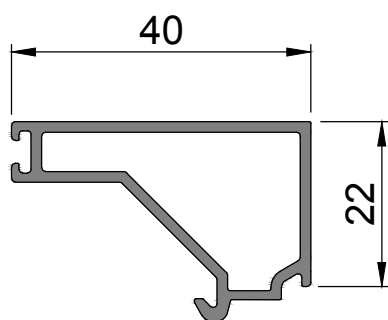
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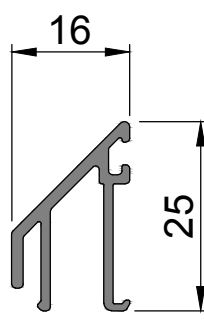
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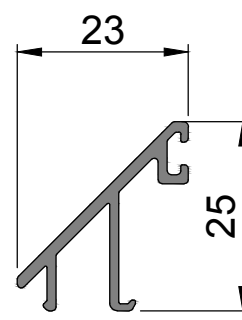
694 325



694 323



1003 401

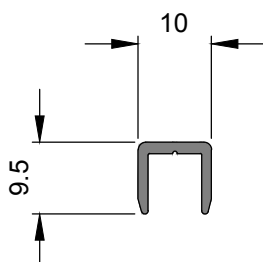


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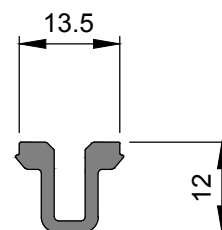
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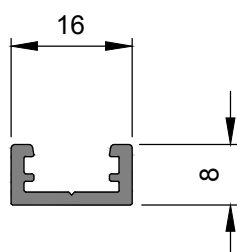
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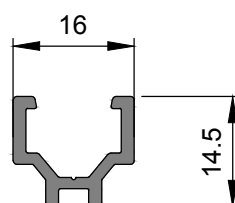
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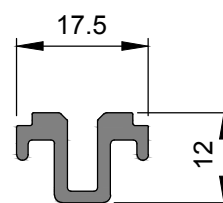
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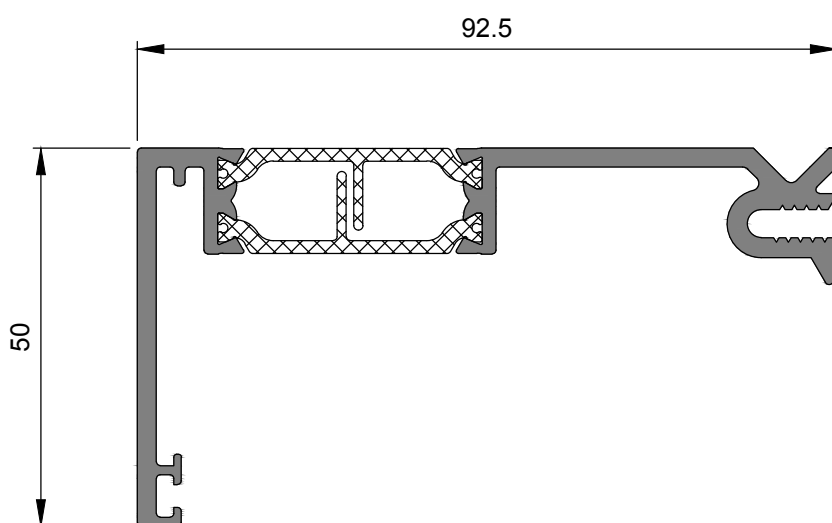
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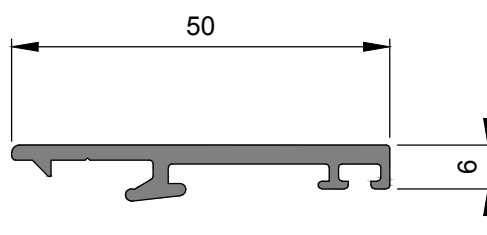
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771 417



171 418



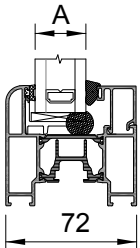
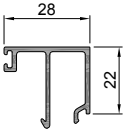
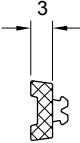
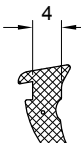
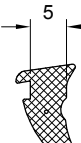
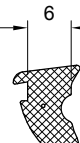
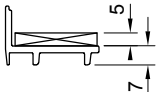
Glazing

AA[®]3720

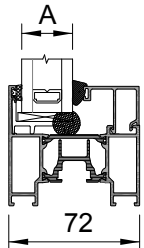
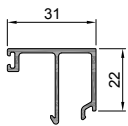
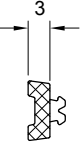
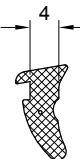
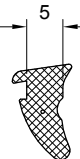
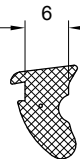
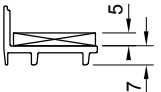
page	issue	description
D1-1	A	Glazing details - 3001 508 Vent with Standard Bead.
D1-2	A	Glazing details - 3001 509 Vent with Standard Bead.
D1-3	A	Glazing details - 3001 508 Vent with Softline Bead.
D1-4	A	Glazing details - 3001 509 Vent with Softline Bead.
D1-5	A	Glazing details - 3001 508 Vent with Box Bead.
D1-6	A	Glazing details - 3001 509 Vent with Box Bead.
D1-7	A	Glazing details - 3001 508 and 3001 509 vents with Slope Bead.
D1-8	A	Glazing details - Glass packing arrangement.

Glazing details - 3001 508 Vent with Standard Bead.

Issue A

Glass (mm)	Bead Reference		Gasket Reference				Bridge
	Standard Bead						
	Dim B		693 004	693 006	693 086	693 007	270 304
15	37	694 215	•	•			•
16	34	694 214	•			•	•
17	34	694 214	•		•		•
18	34	694 214	•	•			•
19	31	694 213	•			•	•
20	31	694 213	•		•		•
21	31	694 213	•	•			•
22	28	694 212	•			•	•
23	28	694 212	•		•		•
24	28	694 212	•	•			•
25	25	694 211	•			•	•
26	25	694 211	•		•		•
27	25	694 211	•	•			•
28	22	694 210	•			•	•
29	22	694 210	•		•		•
30	22	694 210	•	•			•
31	19	694 209	•			•	•
32	19	694 209	•		•		•
33	19	694 209	•	•			•
34	16	694 208	•			•	•
35	16	694 208	•		•		•
36	16	694 208	•	•			•
37	13	694 207	•			•	•
38	13	694 207	•		•		•
39	13	694 207	•	•			•
40	10	694 206	•			•	•
41	10	694 206	•		•		•
42	10	694 206	•	•			•
43	7	694 314	•			•	•
44	7	694 314	•		•		•
45	7	694 314	•	•			•
46	4	694 205	•			•	•
47	4	694 205	•		•		•
48	4	694 205	•	•			•

Glazing details - 3001 509 Vent with Standard Bead.

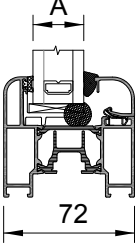
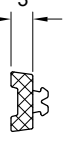
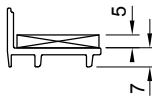
Glass (mm)	Bead Reference		Gasket Reference				Bridge
	Standard Bead						
	Dim B		693 004	693 006	693 086	693 007	270 305
15	46	694 218	•	•			•
16	43	694 217	•			•	•
17	43	694 217	•		•		•
18	43	694 217	•	•			•
19	40	694 216	•			•	•
20	40	694 216	•		•		•
21	40	694 216	•	•			•
22	37	694 215	•			•	•
23	37	694 215	•		•		•
24	37	694 215	•	•			•
25	34	694 214	•			•	•
26	34	694 214	•		•		•
27	34	694 214	•	•			•
28	31	694 213	•			•	•
29	31	694 213	•		•		•
30	31	694 213	•	•			•
31	28	694 212	•			•	•
32	28	694 212	•		•		•
33	28	694 212	•	•			•
34	25	694 211	•			•	•
35	25	694 211	•		•		•
36	25	694 211	•	•			•
37	22	694 210	•			•	•
38	22	694 210	•		•		•
39	22	694 210	•	•			•
40	19	694 209	•			•	•
41	19	694 209	•		•		•
42	19	694 209	•	•			•
43	16	694 208	•			•	•
44	16	694 208	•		•		•
45	16	694 208	•	•			•
46	13	694 207	•			•	•
47	13	694 207	•		•		•
48	13	694 207	•	•			•
49	10	694 206	•			•	•
50	10	694 206	•		•		•
51	10	694 206	•	•			•
52	7	694 314	•			•	•
53	7	694 314	•		•		•
54	7	694 314	•	•			•
55	4	694 205	•			•	•
56	4	694 205	•		•		•
57	4	694 205	•	•			•

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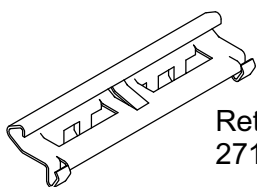
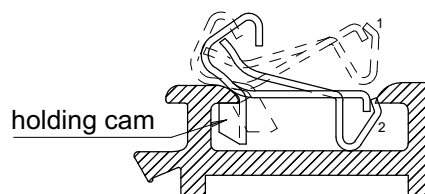
Glazing details - 3001 508 Vent with Softline Bead.

Issue A

Glass (mm)	Bead Reference		271 300 Bead Retaining Clip	Gasket Reference				Bridge
	Softline Bead Dim B			 693 004	 693 006	 693 086	 693 007	 270 304
15	37	* 171 561	•	•	•			•
16	34	* 171 411	•	•			•	•
17	34	* 171 411	•	•		•		•
18	34	* 171 411	•	•	•			•
19	31	* 171 230	•	•			•	•
20	31	* 171 230	•	•		•		•
21	31	* 171 230	•	•	•			•
22	28	* 171 410	•	•			•	•
23	28	* 171 410	•	•		•		•
24	28	* 171 410	•	•	•			•
25	25	* 171 409	•	•			•	•
26	25	* 171 409	•	•		•		•
27	25	* 171 409	•	•	•			•
28	22	171 408	•	•			•	•
29	22	171 408	•	•		•		•
30	22	171 408	•	•	•			•
31	19	* 171 407	•	•			•	•
32	19	* 171 407	•	•		•		•
33	19	* 171 407	•	•	•			•
34	16	* 171 406	•	•			•	•
35	16	* 171 406	•	•		•		•
36	16	* 171 406	•	•	•			•

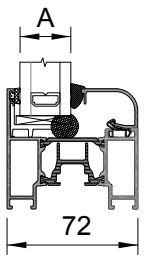
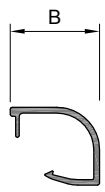
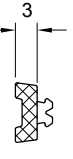
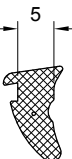
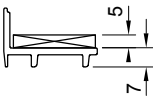
Retaining clip positioning:

Centre of retaining clip to be 50mm from profile corner and at maximum centres of 350mm.

Retaining Clip
271 300

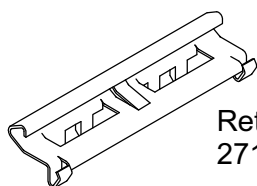
Note: Retaining clips are not re-usable once bead is fitted.
If bead is removed the clips must be replaced.

Glazing details - 3001 509 Vent with Softline Bead.

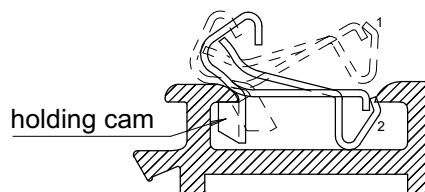
Glass (mm)	Bead Reference		271 300 Bead Retaining Clip	Gasket Reference				Bridge
	Softline Bead Dim B			 693 004	 693 006	 693 086	 693 007	 270 305
19	40	* 173 344	•	•			•	•
20	40	* 173 344	•	•		•		•
21	40	* 173 344	•	•	•			•
22	37	* 171 561	•	•			•	•
23	37	* 171 561	•	•		•		•
24	37	* 171 561	•	•	•			•
25	34	* 171 411	•	•			•	•
26	34	* 171 411	•	•		•		•
27	34	* 171 411	•	•	•			•
28	31	* 171 230	•	•			•	•
29	31	* 171 230	•	•		•		•
30	31	* 171 230	•	•	•			•
31	28	* 171 410	•	•			•	•
32	28	* 171 410	•	•		•		•
33	28	* 171 410	•	•	•			•
34	25	* 171 409	•	•			•	•
35	25	* 171 409	•	•		•		•
36	25	* 171 409	•	•	•			•
37	22	171 408	•	•			•	•
38	22	171 408	•	•		•		•
39	22	171 408	•	•	•			•
40	19	* 171 407	•	•			•	•
41	19	* 171 407	•	•		•		•
42	19	* 171 407	•	•	•			•
43	16	* 171 406	•	•			•	•
44	16	* 171 406	•	•		•		•
45	16	* 171 406	•	•	•			•

Retaining clip positioning:

Centre of retaining clip to be 50mm from profile corner and at maximum centres of 350mm.



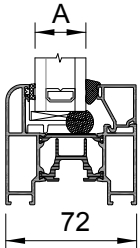
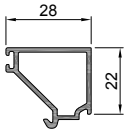
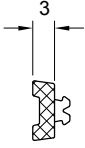
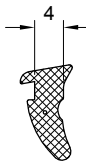
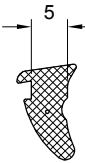
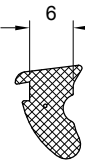
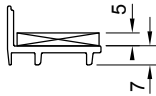
Retaining Clip
271 300



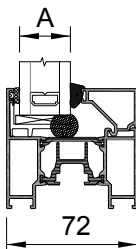
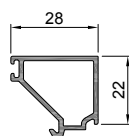
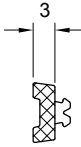
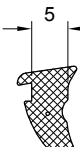
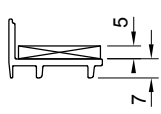
Note: Retaining clips are not re-usable once bead is fitted.
If bead is removed the clips must be replaced.

Glazing details - 3001 508 Vent with Box Bead.

Issue A

Glass (mm)	Bead Reference		Gasket Reference				Bridge
	Box Bead						
	Dim B		693 004	693 006	693 086	693 007	270 304
15	37	694 325	•	•			•
16	34	694 322	•			•	•
17	34	694 322	•		•		•
18	34	694 322	•	•			•
19	31	694 324	•			•	•
20	31	694 324	•		•		•
21	31	694 324	•	•			•
22	28	694 321	•			•	•
23	28	694 321	•		•		•
24	28	694 321	•	•			•
25	25	694 320	•			•	•
26	25	694 320	•		•		•
27	25	694 320	•	•			•
28	22	694 319	•			•	•
29	22	694 319	•		•		•
30	22	694 319	•	•			•
31	19	694 318	•			•	•
32	19	694 318	•		•		•
33	19	694 318	•	•			•
34	16	694 317	•			•	•
35	16	694 317	•		•		•
36	16	694 317	•	•			•
37	13	694 316	•			•	•
38	13	694 316	•		•		•
39	13	694 316	•	•			•
40	10	694 315	•			•	•
41	10	694 315	•		•		•
42	10	694 315	•	•			•

Glazing details - 3001 509 Vent with Box Bead.

Glass (mm)	Bead Reference		Gasket Reference				Bridge
	Box Bead						
	Dim B		693 004	693 006	693 086	693 007	270 305
24	37	694 325	•	•			•
25	34	694 322	•			•	•
26	34	694 322	•		•		•
27	34	694 322	•	•			•
28	31	694 324	•			•	•
29	31	694 324	•		•		•
30	31	694 324	•	•			•
31	28	694 321	•			•	•
32	28	694 321	•		•		•
33	28	694 321	•	•			•
34	25	694 320	•			•	•
35	25	694 320	•		•		•
36	25	694 320	•	•			•
37	22	694 319	•			•	•
38	22	694 319	•		•		•
39	22	694 319	•	•			•
40	19	694 318	•			•	•
41	19	694 318	•		•		•
42	19	694 318	•	•			•
43	16	694 317	•			•	•
44	16	694 317	•		•		•
45	16	694 317	•	•			•
46	13	694 316	•			•	•
47	13	694 316	•		•		•
48	13	694 316	•	•			•
49	10	694 315	•			•	•
50	10	694 315	•		•		•
51	10	694 315	•	•			•

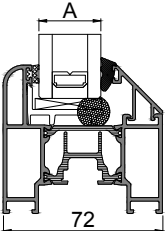
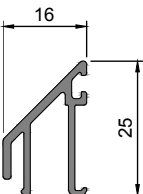
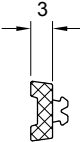
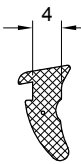
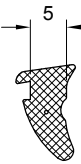
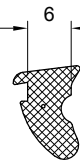
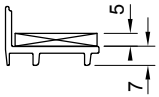
Kawneer's continuous development and engineering programmes may bring about product changes. Kawneer reserve the right to introduce without notice such changes which will not detract from the product's performance.

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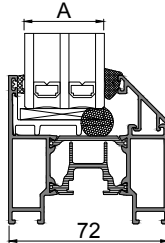
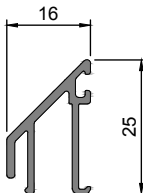
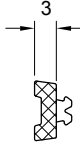
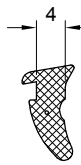
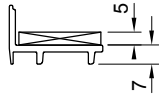
Glazing details - 3001 508 and 3001 509 vents with Slope Bead.

Issue A

For vent 3001 508

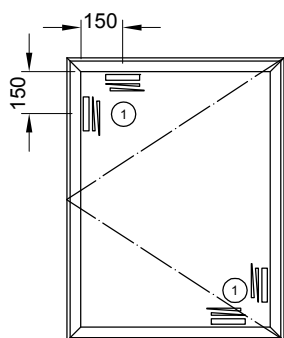
Glass (mm)	Bead Reference		Gasket Reference				Bridge
	Slope Bead						
	Dim B		693 004	693 006	693 086	693 007	270 304
27	23	1003 428	•			•	•
28	23	1003 428	•		•		•
29	23	1003 428	•	•			•
34	16	1003 401	•			•	•
35	16	1003 401	•		•		•
36	16	1003 401	•	•			•

For vent 3001 509

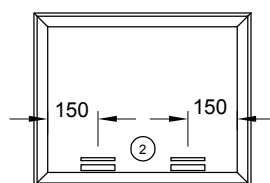
Glass (mm)	Bead Reference		Gasket Reference				Bridge
	Slope Bead						
	Dim B		693 004	693 006	693 086	693 007	270 305
36	23	1003 428	•			•	•
37	23	1003 428	•		•		•
38	23	1003 428	•	•			•
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44	16	1003 401	•		•		•
45	16	1003 401	•	•			•

Glazing details - Glass packing arrangement.

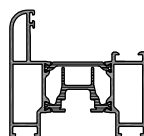
Glass packing arrangement. Glass 6 - 57mm



Folding/Sliding Panel

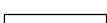
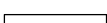


Fixed Light



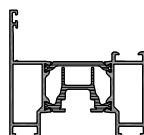
3001 508

GLASS PACKING ARRANGEMENT 6 - 33mm

- | | | |
|---|---|---|
| ① | [|  6000 764 (32x2-4mm Wedge) - Green |
| | |  6000 763 (32x1-3mm Wedge) - Green |
| | |  270 304 Bridge - Black |
| ② | [|  6000 762 (5x32 flat) - Blue |
| | |  270 304 Bridge - Black |

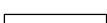
GLASS PACKING ARRANGEMENT 34 - 42mm

- | | | |
|---|---|--|
| ① | [|  693 142 (40x2-4mm Wedge) - White |
| | |  693 141 (40x1-3mm Wedge) - Black |
| | |  270 304 Bridge - Black |
| ② | [|  693 020 (5x40 flat) - Blue |
| | |  270 304 Bridge - Black |



3001 509

GLASS PACKING ARRANGEMENT 15 - 39mm

- | | | |
|---|---|--|
| ① | [|  693 142 (40x2-4mm Wedge) - White |
| | |  693 141 (40x1-3mm Wedge) - Black |
| | |  270 305 Bridge - Black |

GLASS PACKING ARRANGEMENT 40 - 57mm

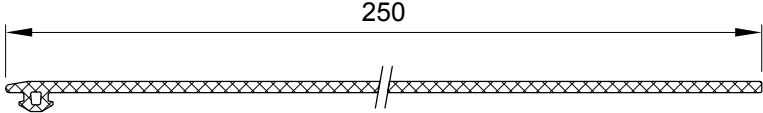
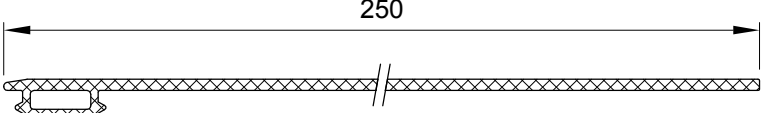
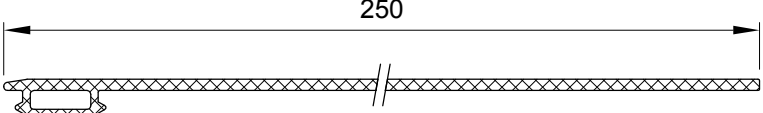
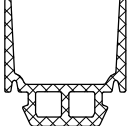
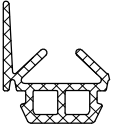
- | | | |
|---|---|---|
| ① | [|  6001 022 (3x48mm flat) - Red |
| | |  6001 021 (2x48mm flat) - Blue |
| | |  270 305 Bridge - Black |

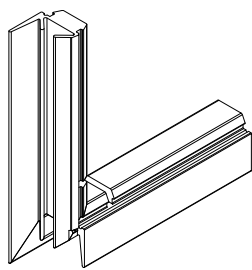
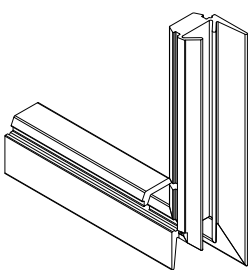
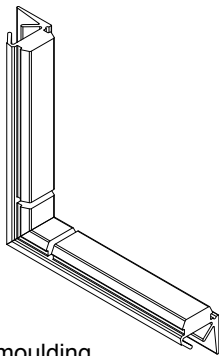
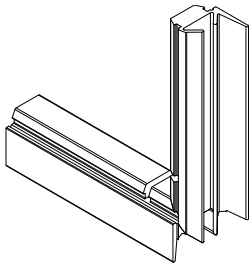
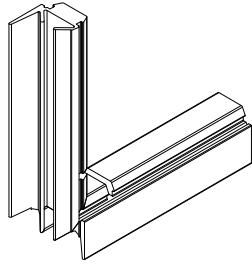
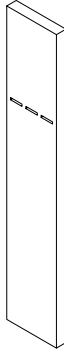
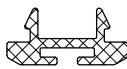
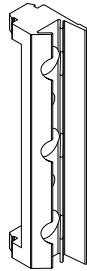
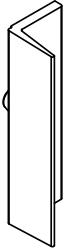
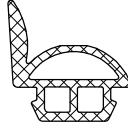
Gaskets

AA[®]3720

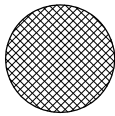
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E1-2	A	Gaskets.
E1-3	A	Gaskets.
E1-4	A	Gaskets.

Gaskets.

 Gasket, wall connection outside/inside 270 397			 Gasket, wall connection outside/inside 271 082			 Weatherseal 271 586		
 Coupling gasket 271 083			 Coupling mullion gasket 272 734			 Glazing gasket 3mm 693 004		
 Wedge gasket 4mm 693 006			 Wedge gasket 6mm 693 007			 Wedge gasket 5mm 693 086		
 Frame perimeter pocket filler gasket (PVC) (Qty per roll: 100mm) 693 176			 Gasket 5000 515			 Gasket 5000 516		

 Corner moulding, left 5000 849	 Corner moulding, right 5000 850	 Corner moulding, low/sunken threshold 5000 851
 Corner moulding, right low/sunken threshold 5000 852	 Corner moulding, left low/sunken threshold 5000 853	 Gasket - hinge 5000 861
 Gasket - roller set 5000 869	 Pile seal 5000 592	 Pile retaining gasket 6002 090
 Corner moulding 5000 863	 Hinge seal 5000 600	 Gasket 5000 618

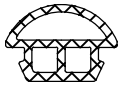
Gaskets.



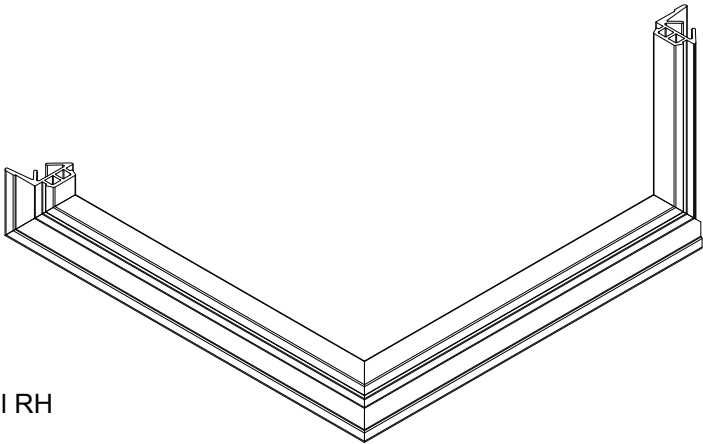
Polyethylene rod 15mm dia.
(Thermal conductivity
0.04 W/m²K)
275 509



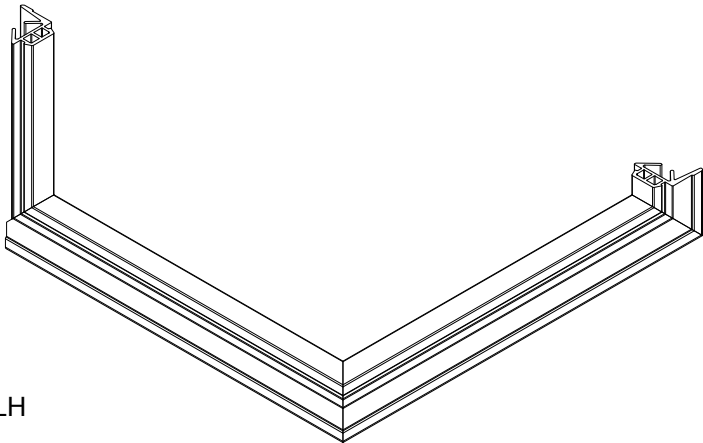
Polyethylene rod 10mm dia.
(Thermal conductivity
0.04 W/m²K)
6000 514



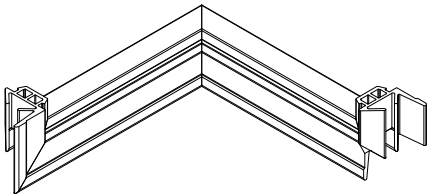
Gasket
5000 856



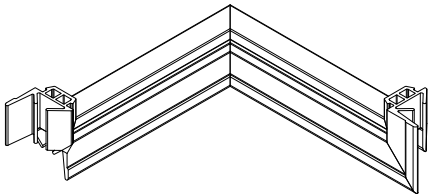
Corner gasket external RH
5000 623



Corner gasket external LH
5000 624



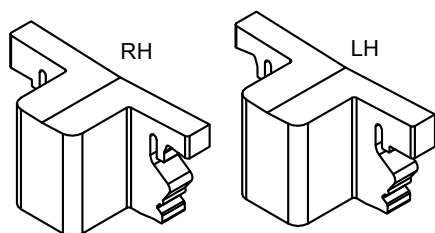
Corner gasket internal RH
5000 625



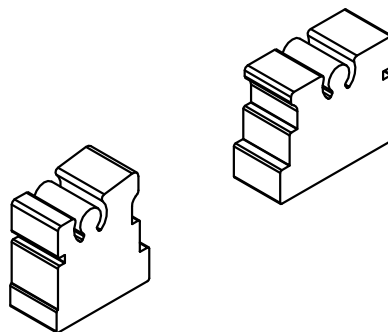
Corner gasket internal LH
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Kawneer's continuous development and engineering programmes may bring about product changes. Kawneer reserve the right to introduce without notice such changes which will not detract from the product's performance.

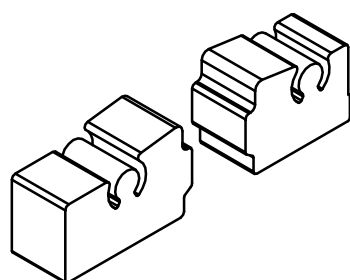
© KAWNEER U.K. LTD.



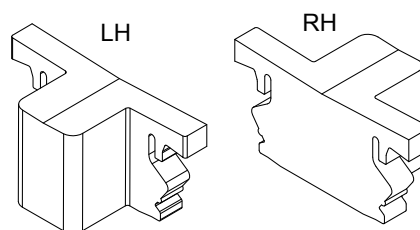
Sealing pad inside pair LH/RH rebate threshold
6004 478



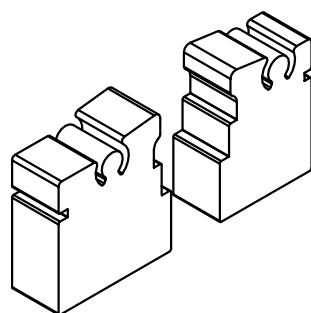
Sealing-plug two-part rebate threshold
6004 479



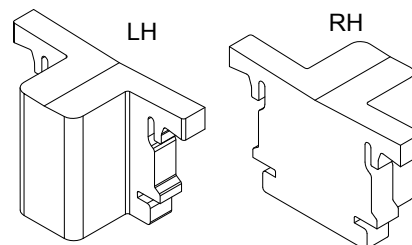
Sealing-plug two-part low threshold
6004 520



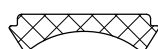
Sealing pad inside pair LH/RH threshold 3001 515
6004 647



Sealing-plug two-part low threshold
6004 648



Sealing pad inside pair LH/RH threshold 1002 764
6004 649



Threshold screw cover
5000 733

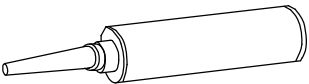
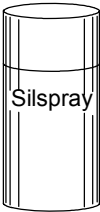
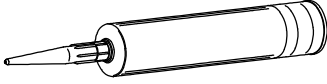
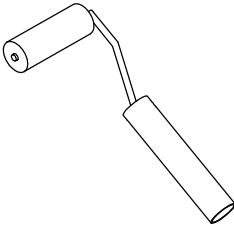
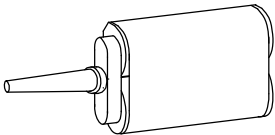
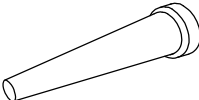
Accessories

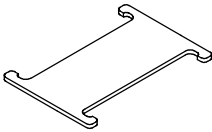
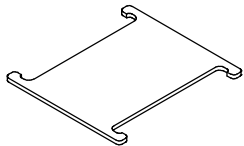
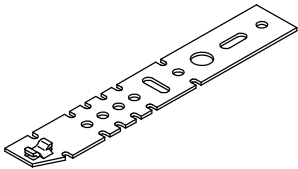
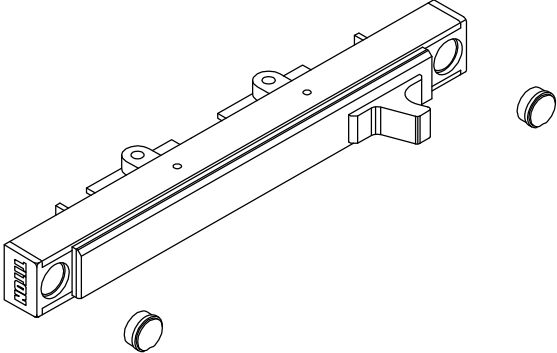
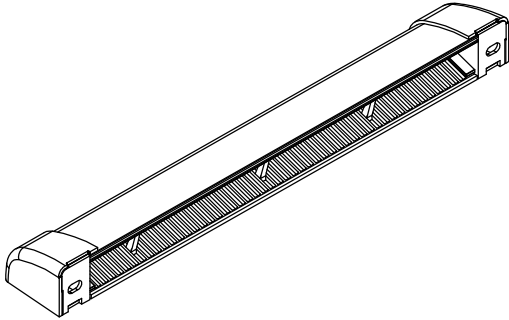
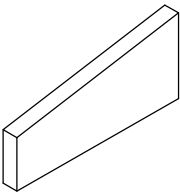
AA[®]3720

page	issue	description
F1-1	A	AA3720 Adhesives and cleaners
F1-2	A	AA3720 Accessories
F1-3	A	AA3720 Accessories.
F1-4	A	AA3720 Accessories
F1-5	A	AA3720 Cleats and braces.
F1-6	A	AA3720 Cleats and braces.
F1-7	A	AA3720 Screws.
F1-8	A	AA3720 Glass packers and wedges.

AA3720 Adhesives and cleaners

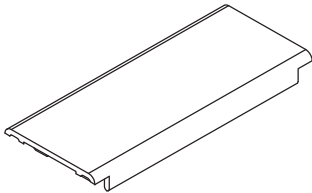
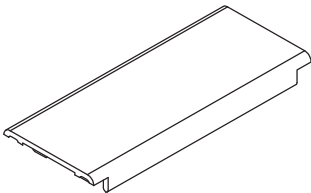
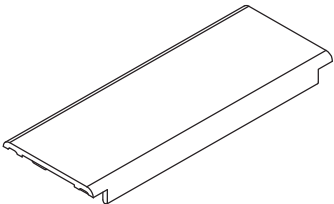
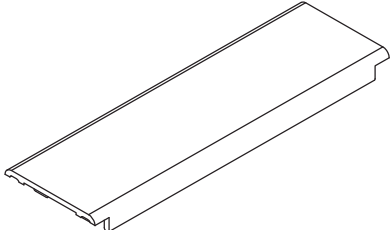
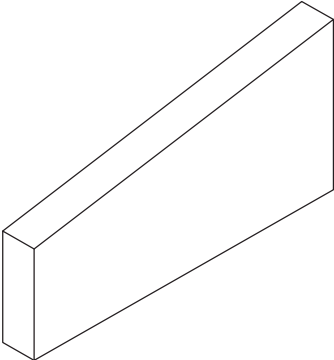
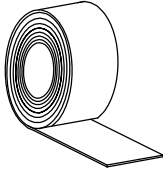
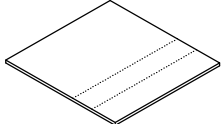
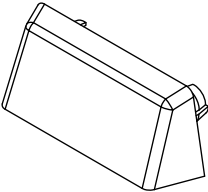
Issue A

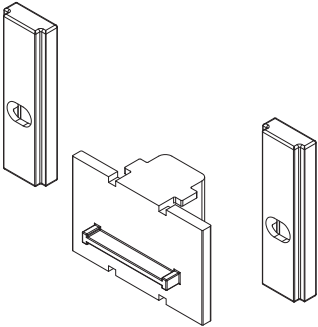
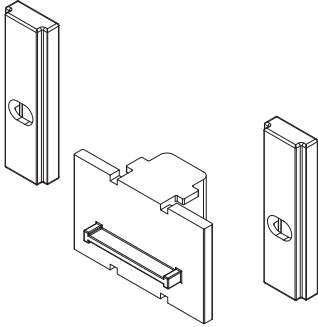
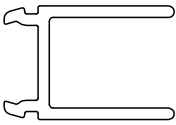
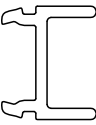
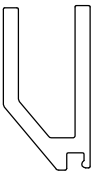
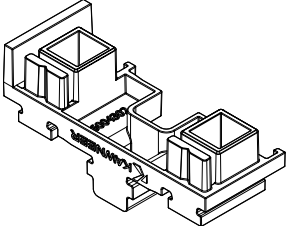
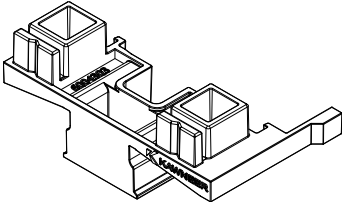
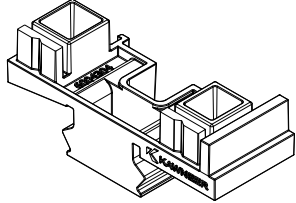
 Adhesive Qty: 310ml tubes Available in 3 colours: 29 # Black 64 # Grey 65 # White 220 660	 Silicone spray Qty: 300ml 230 274	 Metal cleaning agent Qty: 1 litre tin 232 472
 Sealant Qty: 310ml tubes 29 # Black 234 960	 Adhesive roller 271 788	 2 Part adhesive Qty: 400ml tubes (PU655 Polyurethane) 272 375
 Replacement nozzle Suitable for 272 375 862 153	Pneumatic gun (for adhesive application for use with 272 375) 862 151	Manual gun (for adhesive application for use with 272 375) 862 152

 Roll pin, Ø6 x 10mm 270 183	 Roll pin, Ø6 x 16.5mm 270 185	 Muntin butt joint sealing piece 41 x 24mm (self adhesive) 270 235
 Muntin butt joint sealing piece 41 x 34mm (self adhesive) 270 236	 Fixing lug 271 137	 Roll pin 'glue injection' Ø6 x 10mm 272 208
 Roll pin 'glue injection' Ø6 x 17mm 272 209	 Trickle vent package - vent 695 099	
 Trickle vent package - canopy 696 802		 End cap (Pair) for Cill profiles 868 024/025 860 450

AA3720 Accessories.

Issue A

 Butt strap 67mm for cill 132 065 270 450	 Butt strap 69mm for cill 868 024 690 601	 Butt strap 76mm for sub-cill 3001 480 6001 621
 Butt strap 93.5mm for sub-cill 868 025 690 602	 End cap for cill 868 024 & 868 025 (sold in pairs) 860 450 29 - black 860 450 40 - brown 860 450 65 - white 860 450	
 Foil flash band (Qty: 50mm x 10m Roll) 953 366	 Muntin end pad 6000 718	 Roller track 6001 633
 Steel rail 230 527	 Drain slot cover 270 285	

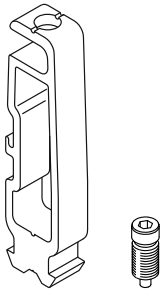
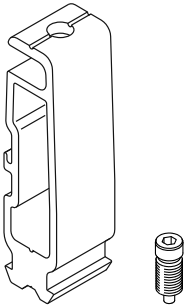
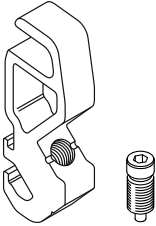
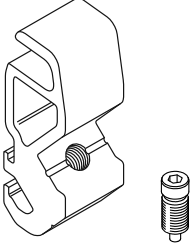
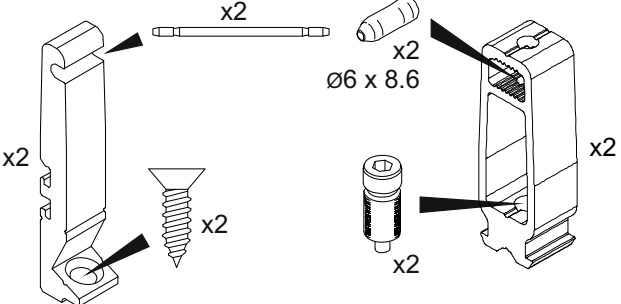
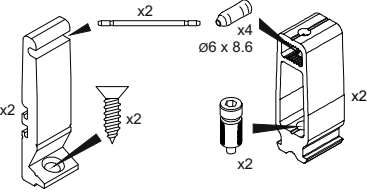
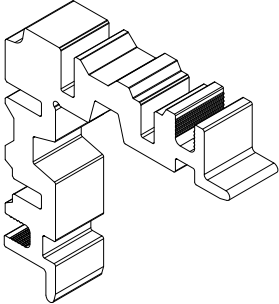
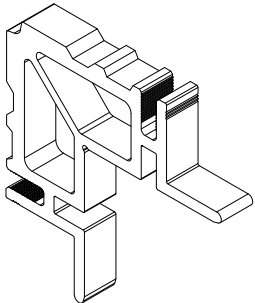
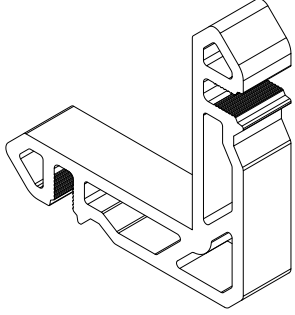
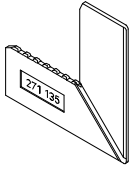
 Frame end blocks 6001 641	 Lock/strike spacer 6001 644	
 Cavity divider 6001 720	 Cavity divider 6001 722	 Strike spacer 6001 904
 Strike spacer 6001 905		
 Frame connector 6004 302	 Frame connector 6004 303	 Frame connector 6004 304

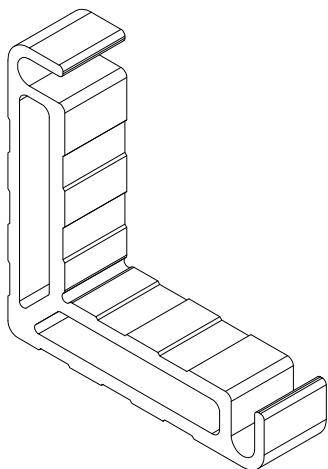
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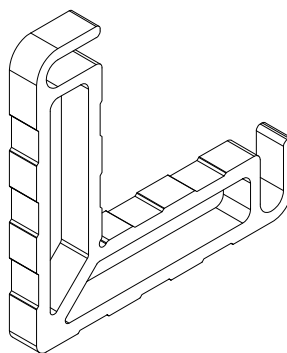
AA3720 Cleats and braces.

Issue A

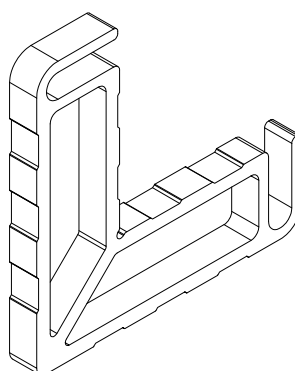
 Muntin cleat (for 773 173) 275 294	 Muntin cleat (for 773 174) 275 295	 Muntin cleat (for 773 173) 275 300
 Muntin cleat (for 773 174) 6002 165	 Muntin cleat package (for 3001 002) 6001 468	
 Muntin cleat package (for 3001 003) 6001 469	 Corner cleat (for 3001 512) 6001 693	 Corner cleat (for 3001 511, 3001 508 & 3001 509) 6001 694
 Corner cleat box 16.2 x 15.2 6004 378	 Muntin brace (for 3001 002 & 3001 003) 270 775	 Corner brace (19mm x 19mm) (for 3001 511, 3001 508 & 3001 509) 271 135



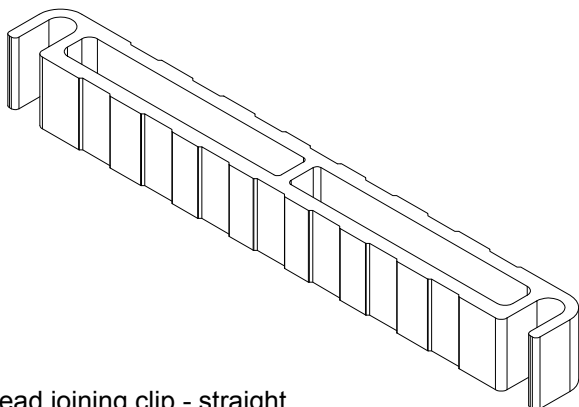
Head joining clip
6001 695



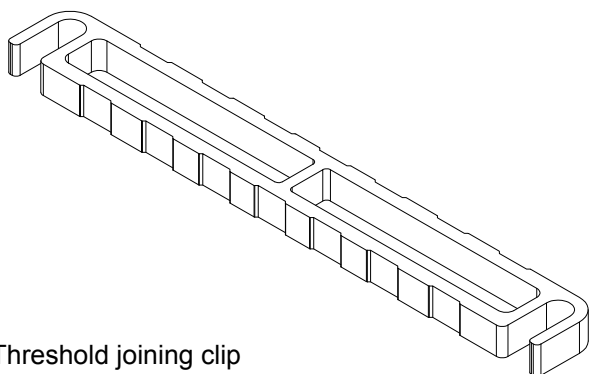
Threshold joining clip
(low threshold)
6001 696



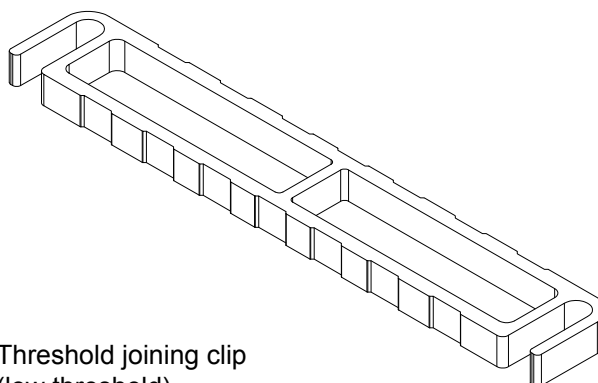
Threshold joining clip
(low threshold)
6001 697



Head joining clip - straight
6001 702



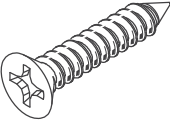
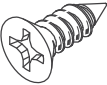
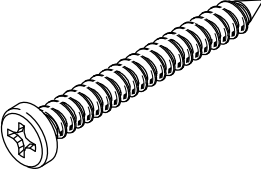
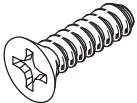
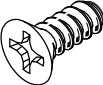
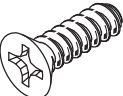
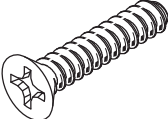
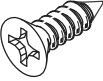
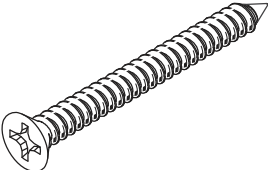
Threshold joining clip
(low threshold)
6001 703



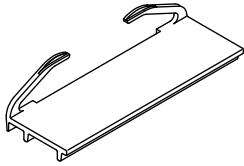
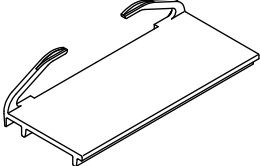
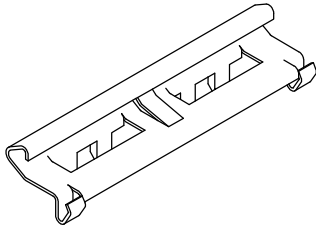
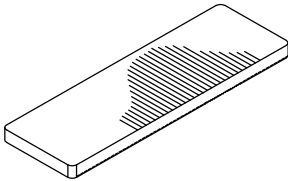
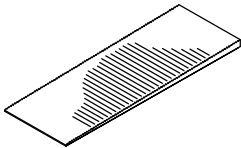
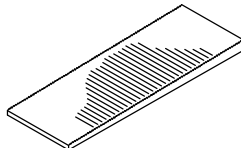
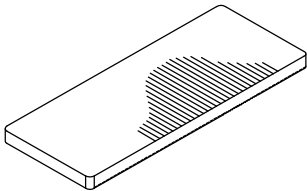
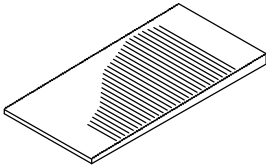
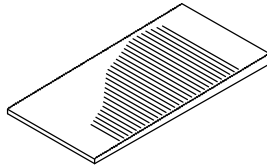
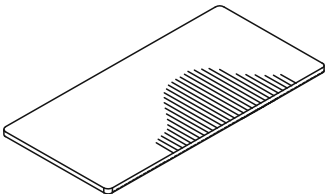
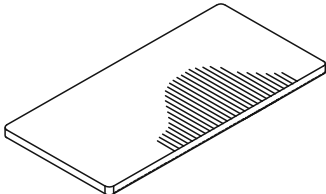
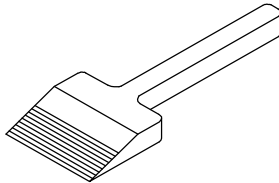
Threshold joining clip
(low threshold)
6001 704

AA3720 Screws.

Issue A

		
No. 10 x 41mm CSK ST 028 336	No. 10 x 13mm CSK ST 028 354	3.5 x 9.5mm PH ST 028 715
		
No. 10 x 51mm PH ST 690 163	3.9 x 19mm CSK ST 6000 719	No. 10 x 25mm CSK ST 6001 839
		
No. 10 x 16mm CSK ST 6001 840	No. 10 x 19mm CSK ST 6001 902	No. 10 x 35mm CSK ST 6001 903
		
No. 8 x 13mm CSK ST 028 430	No. 8 x 51mm CSK ST 028 732	4.2 x 25mm CSK S/D 6001 961
		
Conical screw D8 - T25 Ø7 x 14 6004 348	No. 4.8 x 38mm CSK ST 6004 667	

AA3720 Glass packers and wedges.

 Glazing Bridge (Black) 6mm - 42mm Glazing with vent profile 3001 508 270 304	 Glazing Bridge (Black) 15mm - 57mm Glazing with vent profile 3001 509 270 305	 Retaining clip for Softline glazing beads *271 300
 Glass Packer (Flat) 5 x 32mm (Blue) 6 - 33mm Glazing 6000 762	 Glass Packer (Wedge) 1-3 x 32mm (Green) 6 - 33mm Glazing 6000 763	 Glass Packer (Wedge) 2-4 x 32mm (Green) 6 - 33mm Glazing 6000 764
 Glass Packer (Flat) 5 x 40mm (Blue) 34 - 42mm Glazing 693 020	 Glass Packer (Wedge) 1-3 x 40mm (Black) 15 - 42mm Glazing 693 141	 Glass Packer (Wedge) 2-4 x 40mm (White) 15 - 42mm Glazing 693 142
 Glass Packer (Flat) 2 x 48mm (Blue) 40 - 57mm Glazing 6001 021	 Glass Packer (Flat) 3 x 48mm (Red) 40 - 57mm Glazing 6001 022	 Glazing Shovel 860 713

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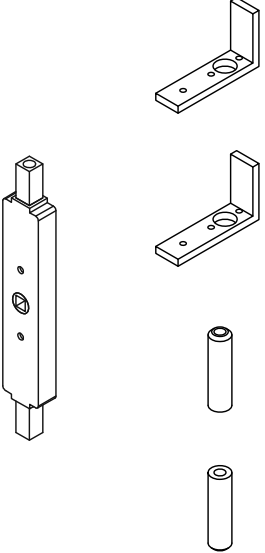
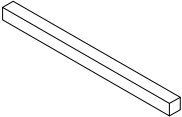
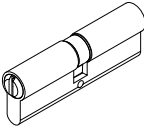
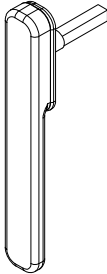
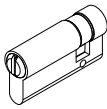
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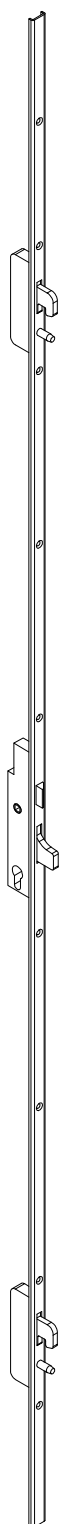
Hardware

AA[®]3720

page	issue	description
G1-1	A	Hardware.
G1-2	A	Hardware.
G1-3	A	Hardware.
G1-4	A	Hardware.

Hardware.

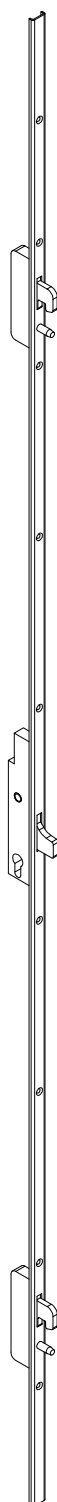
 Door handle, U-form, cranked, 8mm spindle, with rosette 275 052	 Door handle, U-form, bent, 8mm spindle, with rosette 275 054	 Door handle, CL-form, bent, 8mm spindle, with rosette 275 056
 Shoot bolt package 8002 175	 Basic and cover rosette, 8mm, oval 275 060	 Lever spindle 8 x 125mm 275 063
 Cylinder, full 8001 223 Cylinder, full (Security) 8002 074	 Rod, shoot bolt (3 metre) 8001 198	 Locking handle, shoot bolt 8001 200  Cylinder, half 8001 225



Lock, latch, short
8002 870

Lock, latch, standard
8001 210

Lock, latch, tall
8001 211



Lock, latchless, short
8002 872

Lock, latchless, standard
8001 213

Lock, latchless, tall
8001 214



Latched lock strike short
8002 871

Latched lock strike, standard
8001 220

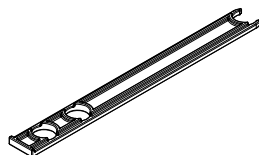
Latched lock strike, tall
8001 221

Hardware.

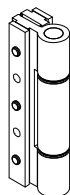
	
Strike, short, 8.5mm 8002 873	Strike, short, 11mm 8002 879
Strike, standard, 8.5mm 8002 874	Strike, standard, 11mm 8002 880
Strike, tall, 8.5mm 8002 878	Strike, tall, 11mm 8002 881

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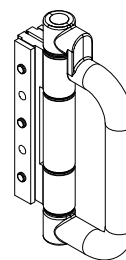
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Panel retainer
8001 193



Hinge
8001 231



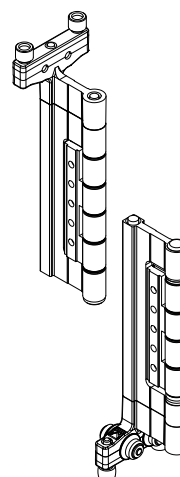
Hinge, pull handle
8001 232



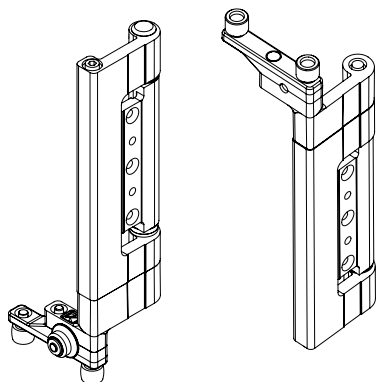
Magnet
8001 242



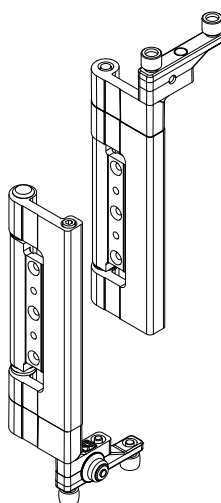
Magnet cap
8002 086



Roller set, double
8002 465



Roller set R.H., single
8002 612



Roller set L.H., single
8002 615

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INDEX

AA[®]3720 Chapter H

H1 **Open Out Door**

H2 **Open In Door**

page	issue	description
H1-1	A	Open Out - Window elevations & references.
H1-2	A	Open Out - Window elevations & references.
H1-3	A	Open-Out (3001 508), Head with guide.
H1-4	A	Open-Out (3001 508), Rebated Threshold with roller gear and track.
H1-5	A	Open-Out (3001 508), Low Threshold with roller gear and track.
H1-6	A	Open-Out (3001 508), Rebated Threshold with roller gear and track.
H1-7	A	Open-Out (3001 508), Sunken Threshold with roller gear and track.
H1-8	A	Open-Out (3001 508), Head with magnet.
H1-9	A	Open-Out (3001 508), Frame, panel with hinge (external).
H1-10	A	Open-Out (3001 509), Frame, panel with hinge (external). Thermally enhanced detail.
H1-11	A	Open-Out (3001 508), Frame, panel with latch lock/handles.
H1-12	A	Open-Out (3001 508), Internal hinge/handle with shoot bolt.
H1-13	A	Open-Out (3001 509), Internal hinge/handle with shoot bolt. Thermally enhanced detail.
H1-14	A	Open-Out (3001 508), Panel/panel, roller set double and hinge external.
H1-15	A	Open-Out (3001 509), Panel/panel, roller set double and hinge external. Thermally enhanced detail.

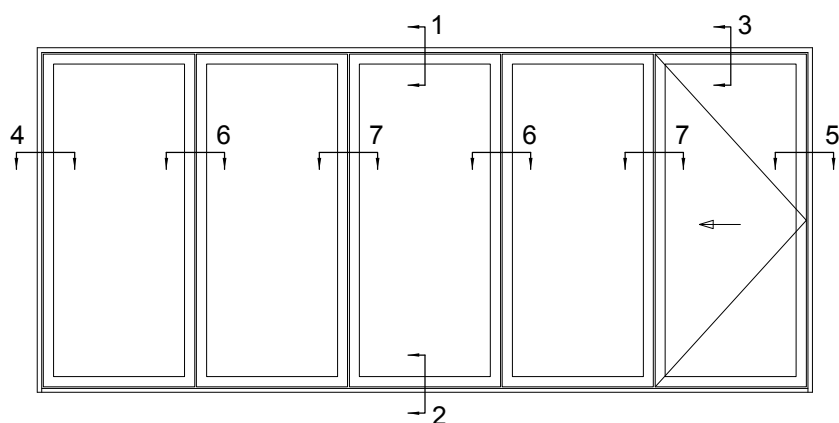
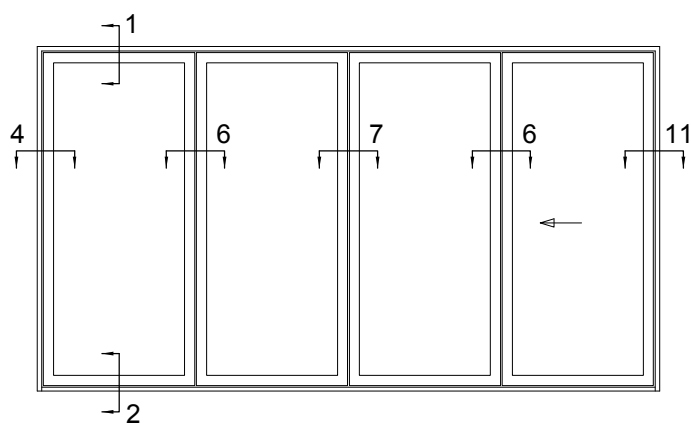
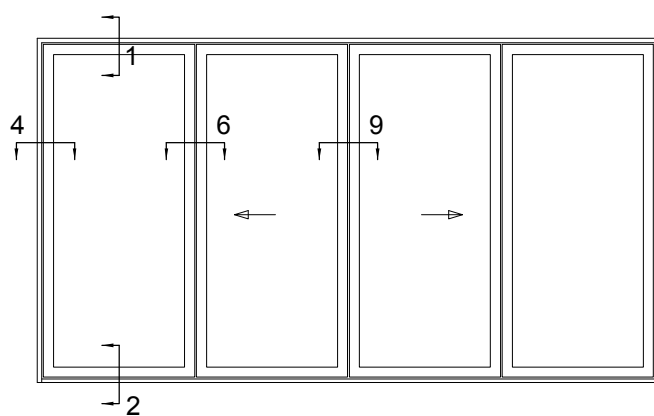
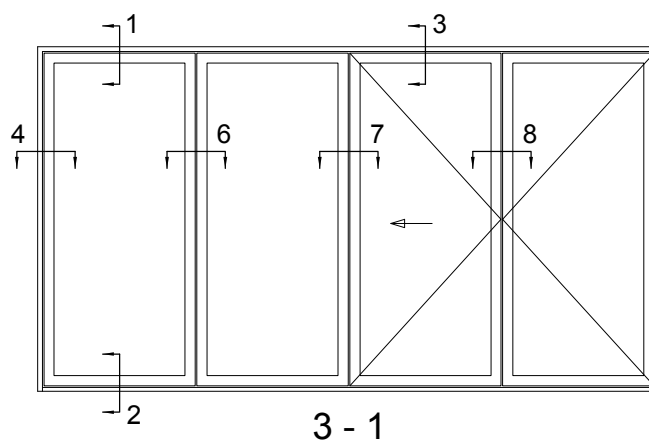
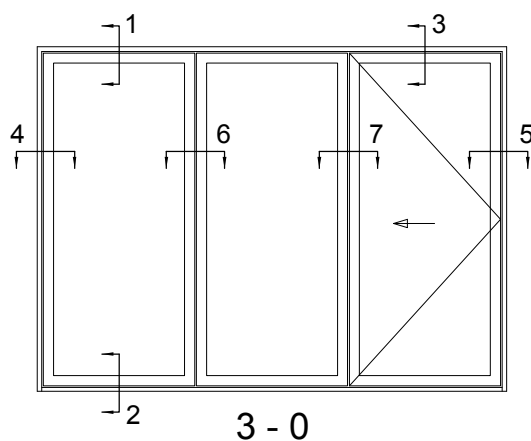
page	issue	description
H1-16	A	Open-Out (3001 508), Panel/panel, latch lock/handles/shoot bolt.
H1-17	A	Open-Out (3001 508), Panel/panel, latchless lock.
H1-18	A	Open-Out (3001 508), Panel/panel, roller set single (both sides).
H1-19	A	Open-Out (3001 508), Panel/panel, latch lock.
H1-20	A	Open-Out (3001 508), Roller set single.
H1-21	A	Open-Out (3001 508), Frame/panel with latchless lock.
H1-22	A	Open-Out (3001 508), Frame/panel with roller set single.
H1-23	A	Open-Out (3001 508 and 3001 509), Coupling arrangements.
H1-24	A	Open-Out (3001 508 and 3001 509) - Cill arrangements.
H1-25	A	Open-Out (3001 509), Trickle vent arrangement.
H1-26	A	Open-Out (3001 509), Panel Corner Post 90°.

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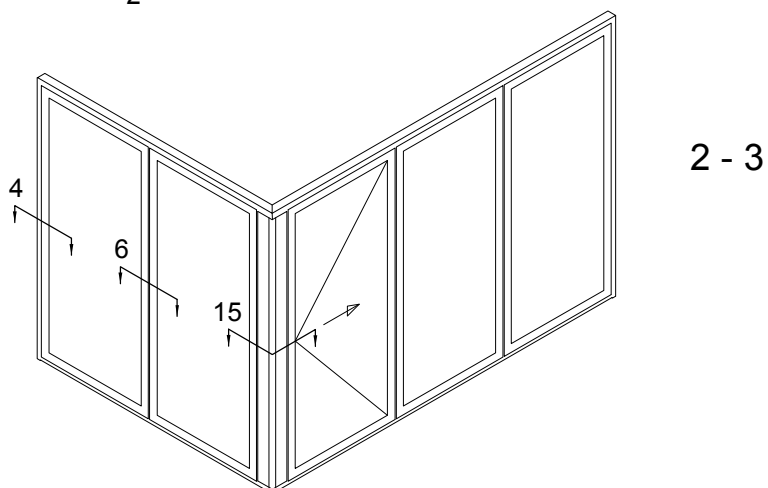
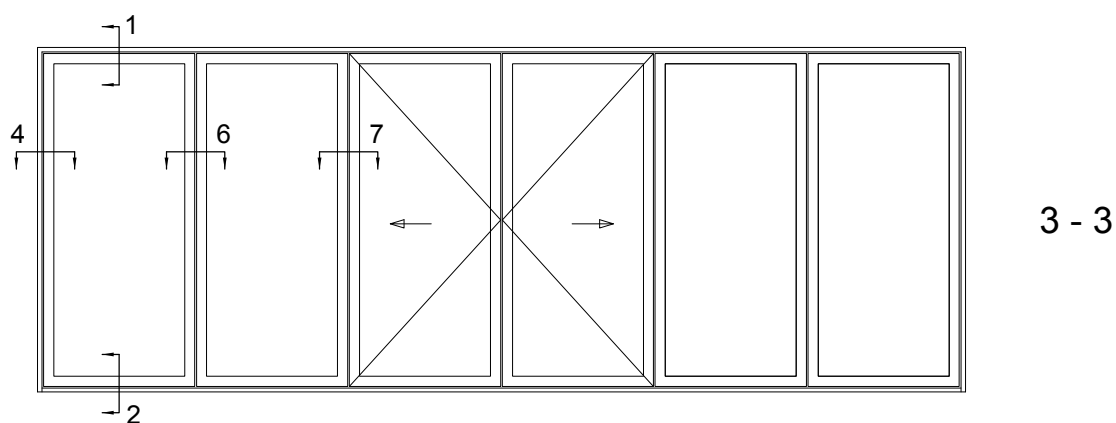
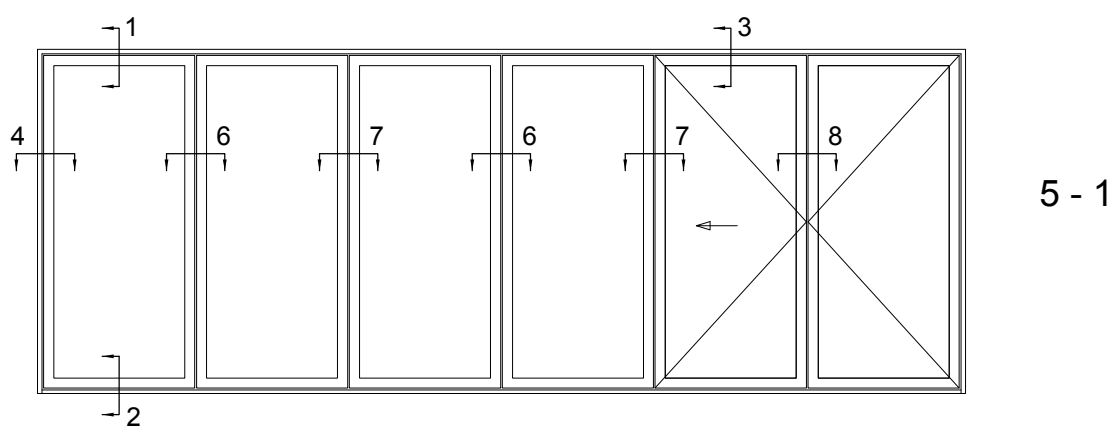
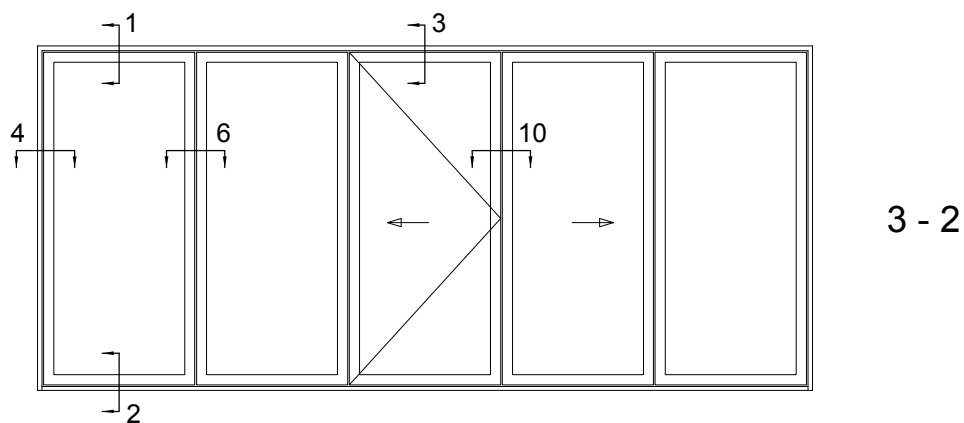
Open Out - Window elevations & references.

Configurations shown below are for detail reference purposes only.



Open Out - Window elevations & references.

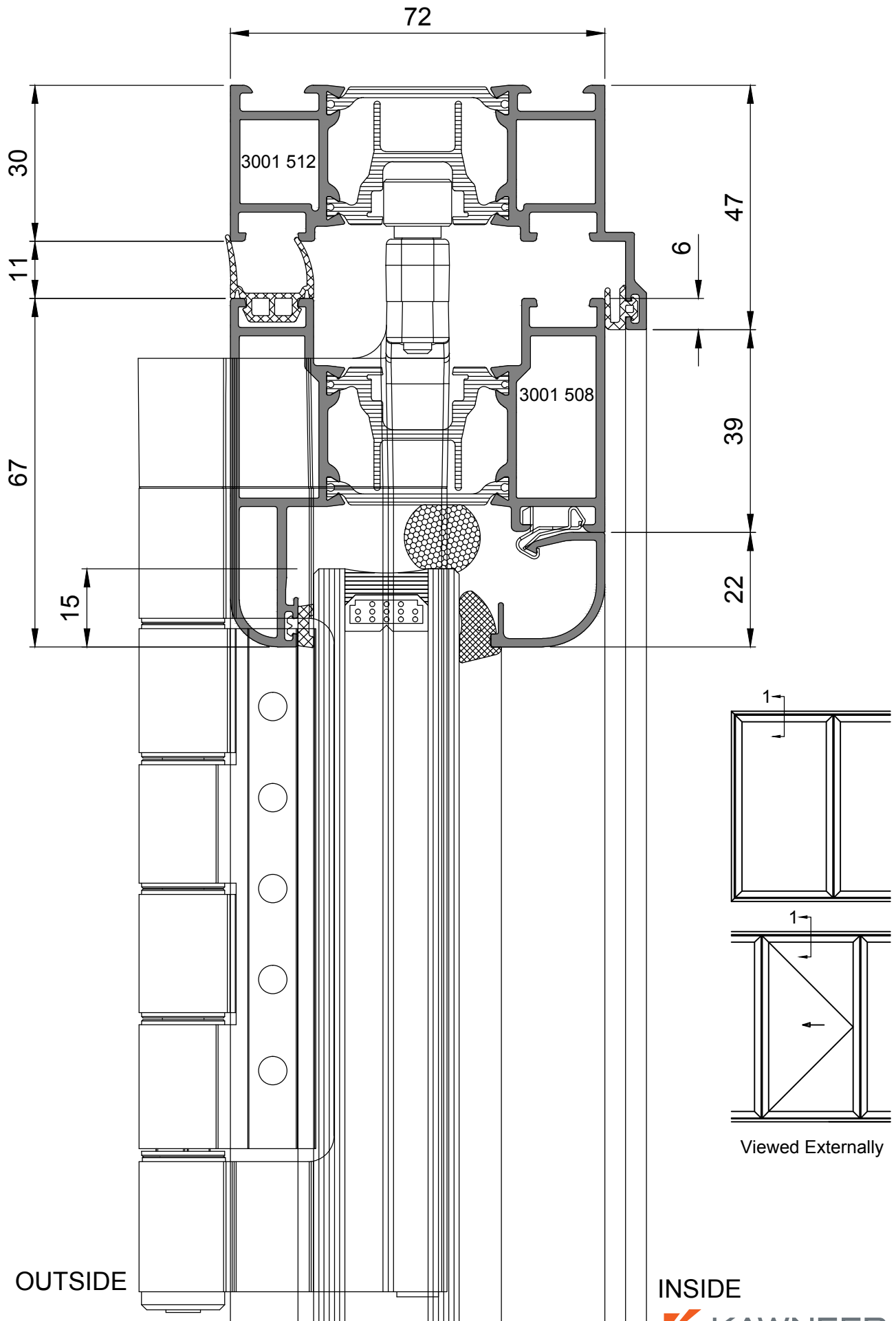
Configurations shown below are for detail reference purposes only.



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Open-Out (3001 508), Head with guide.

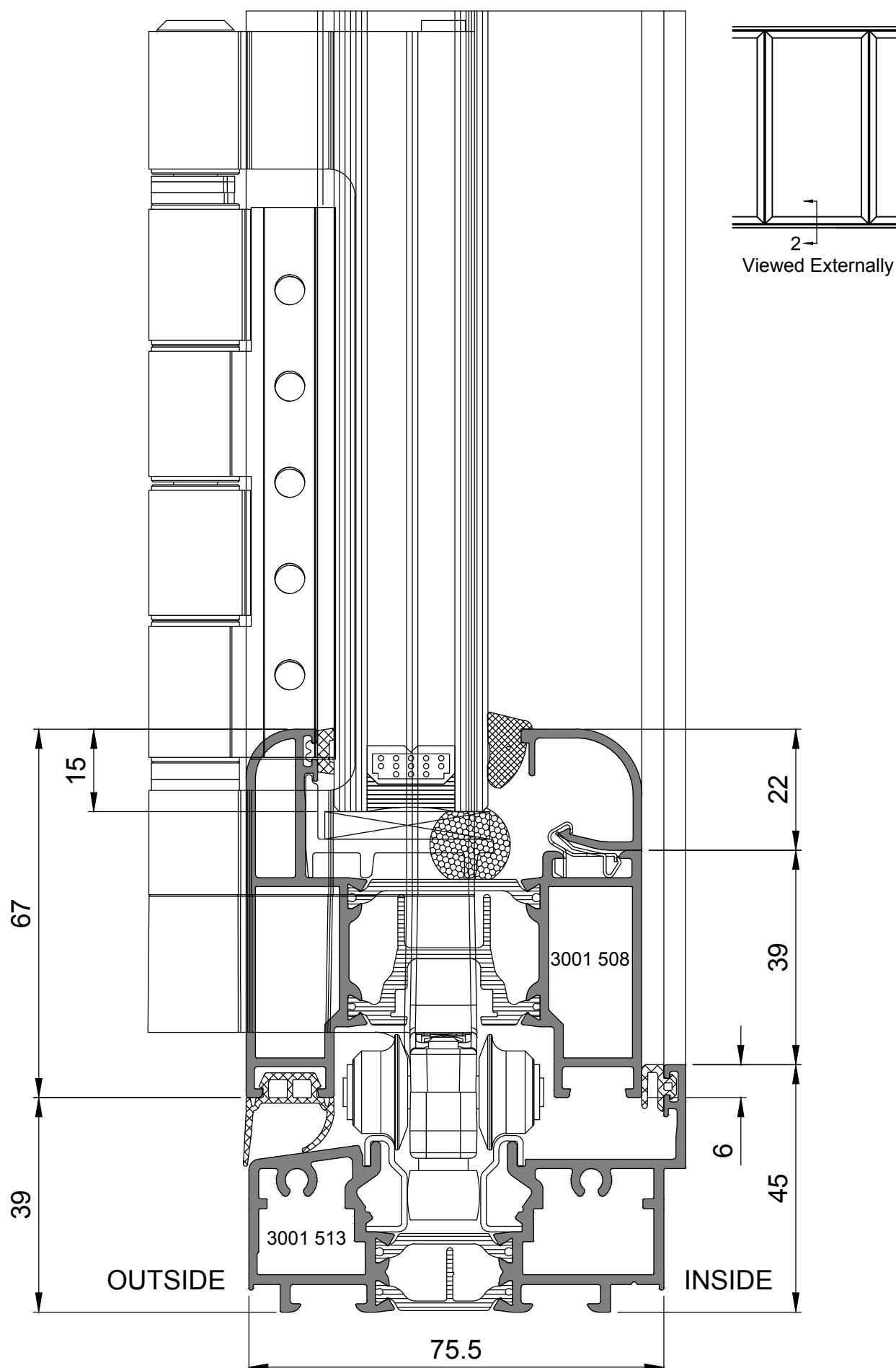


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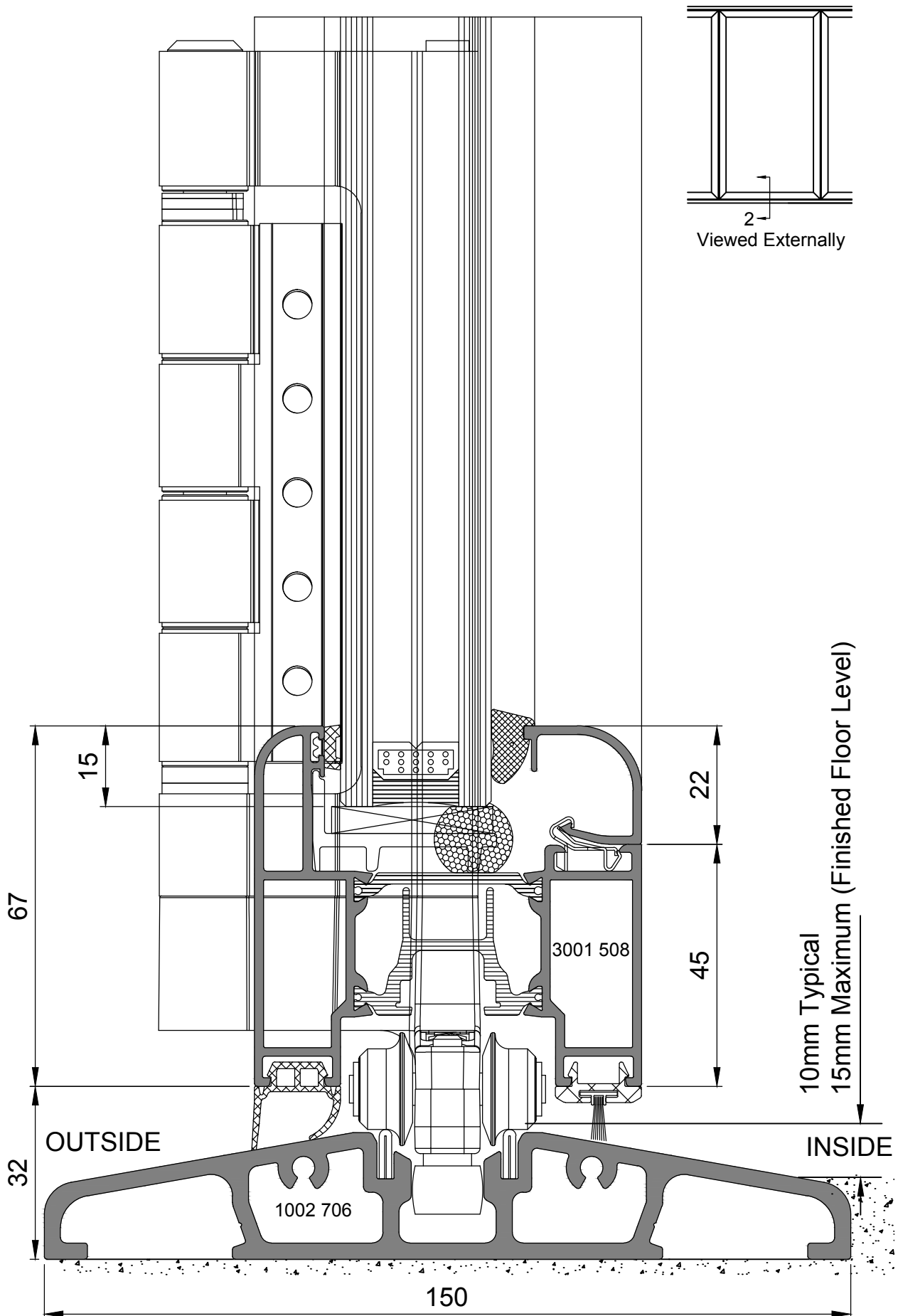
Uk_AA3720_PMH1_003

Open-Out (3001 508), Rebated Threshold with roller gear and track.



Open-Out (3001 508), Low Threshold with roller gear and track.

Issue A

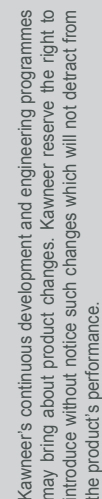


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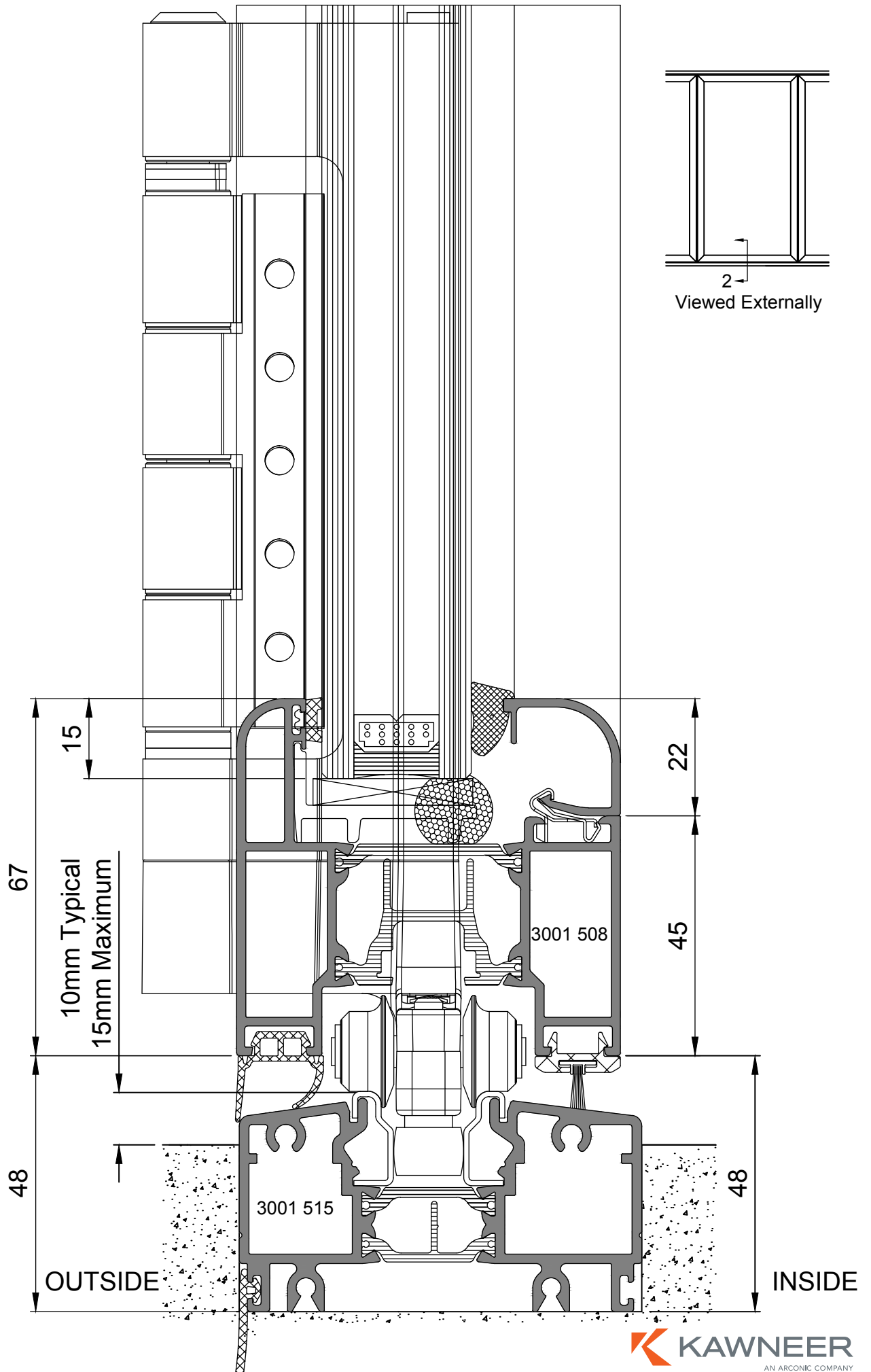
Uk_AA3720_PMH1_005

Open-Out (3001 508), Rebated Threshold with roller gear and track.



Open-Out (3001 508), Sunken Threshold with roller gear and track.

Issue A

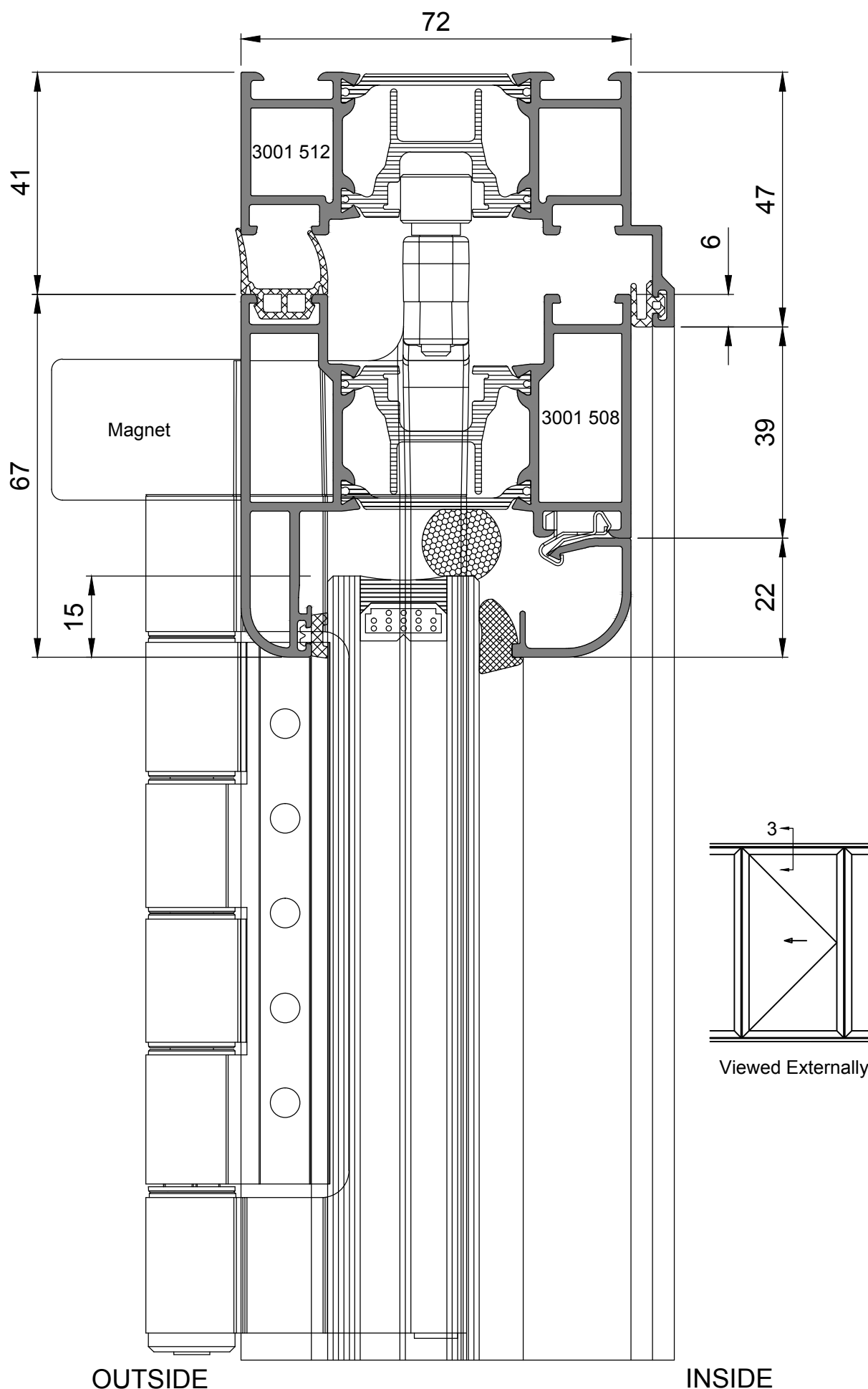


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Uk_AA3720_PMH1_006

Open-Out (3001 508), Head with magnet.

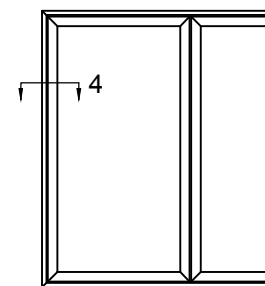


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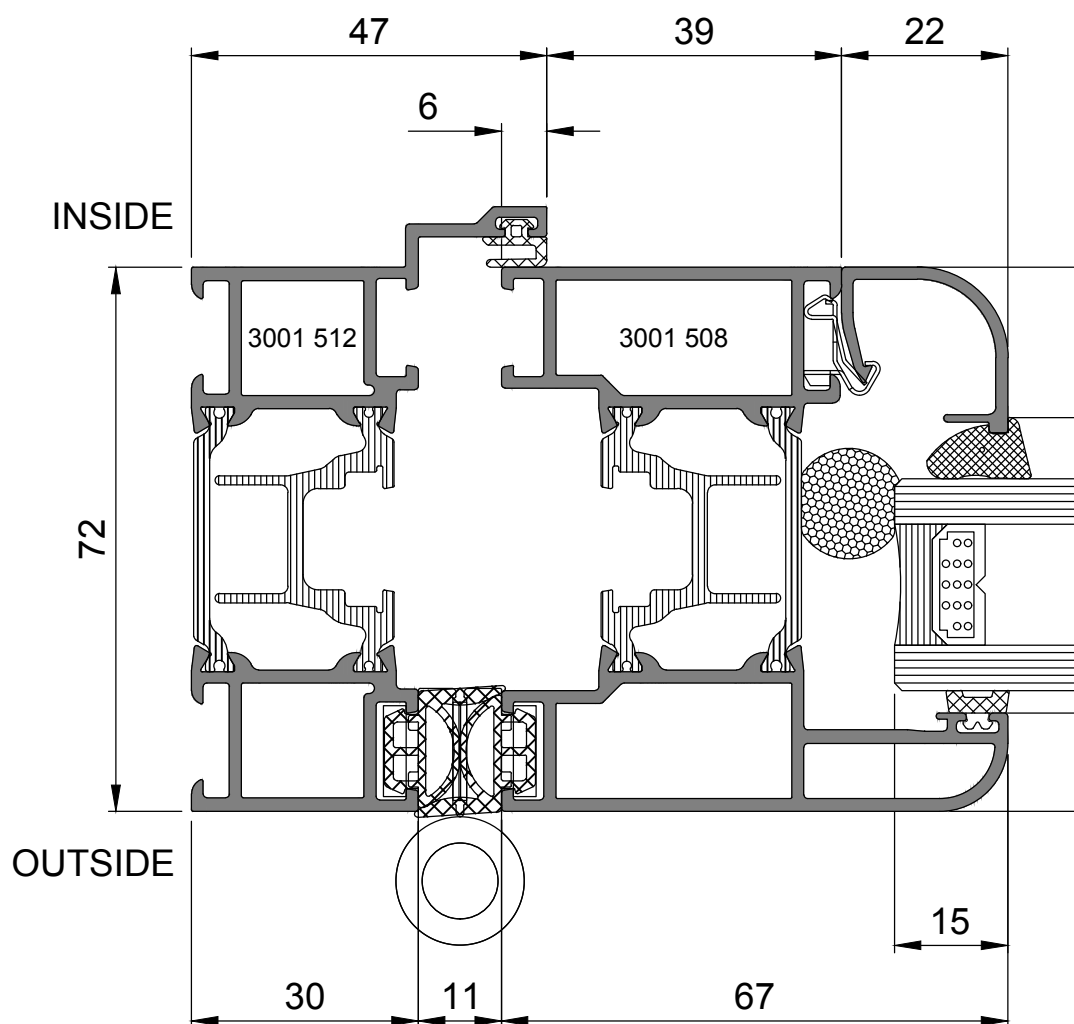
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Open-Out (3001 508), Frame, panel with hinge (external).

Issue A



Viewed Externally

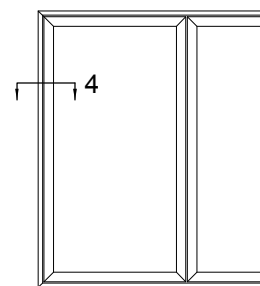


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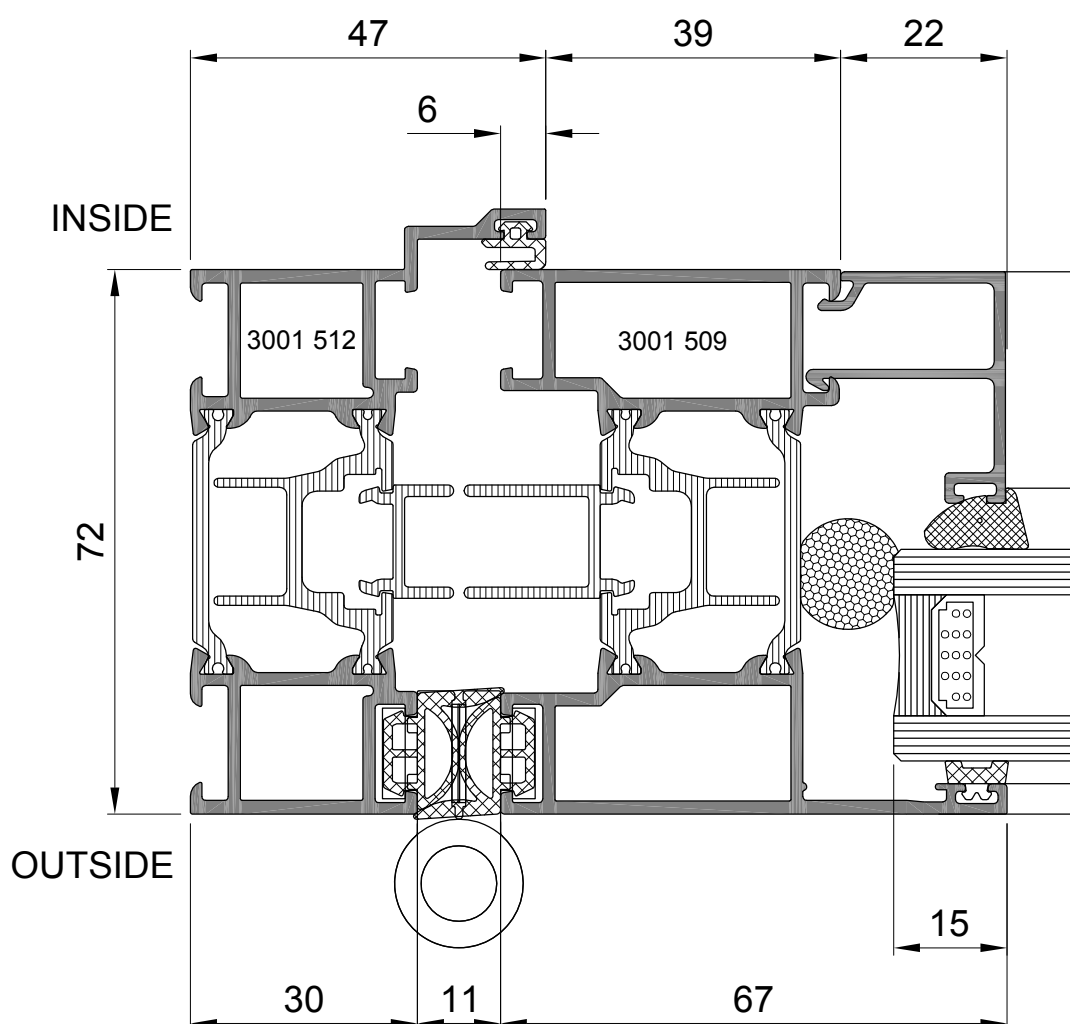
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Uk_AA3720_PMH1_008

Open-Out (3001 509), Frame, panel with hinge (external).
Thermally enhanced detail.



Viewed Externally

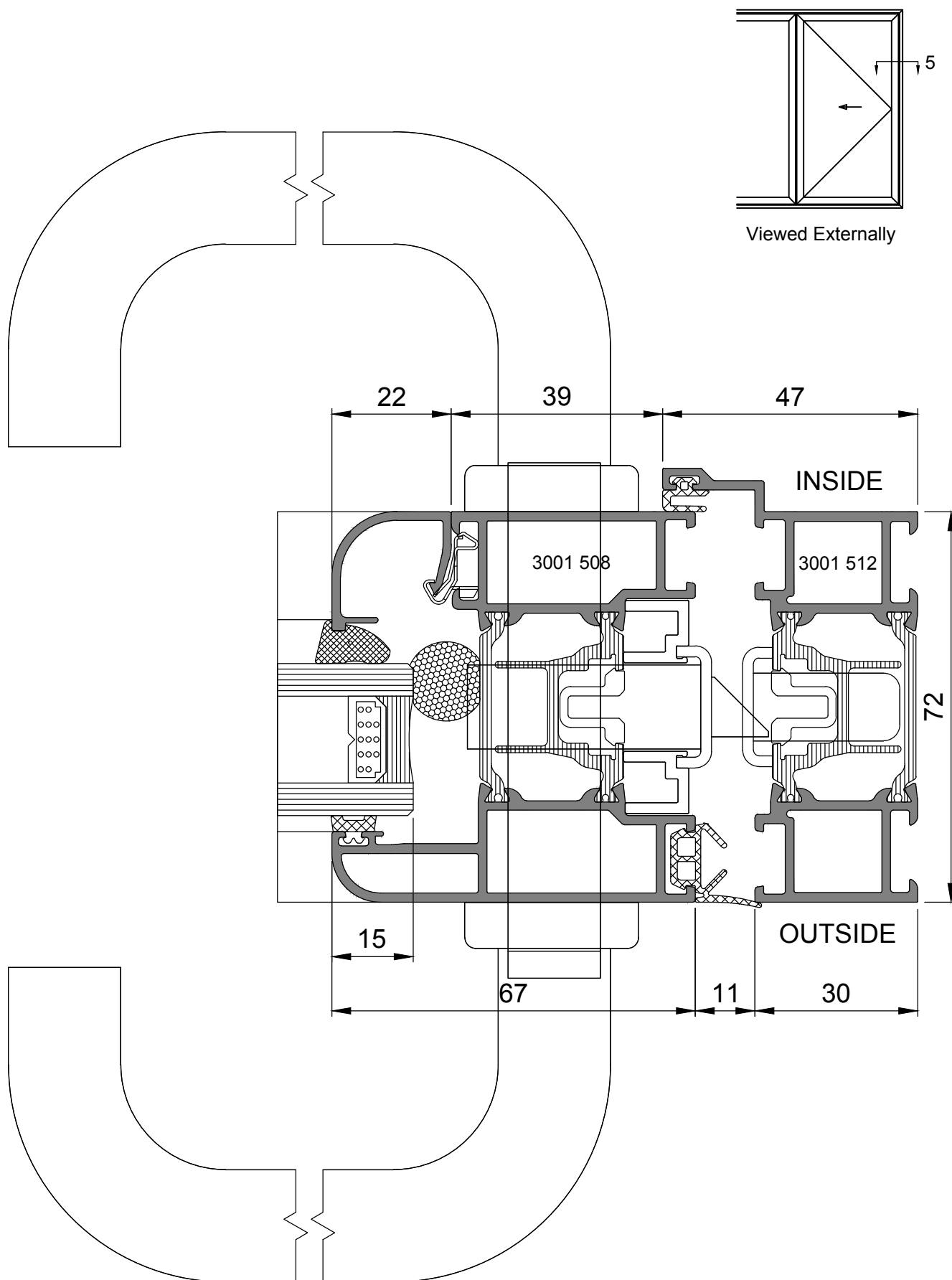


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Open-Out (3001 508), Frame, panel with latch lock/handles.

Issue A

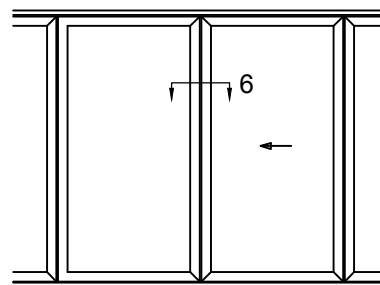


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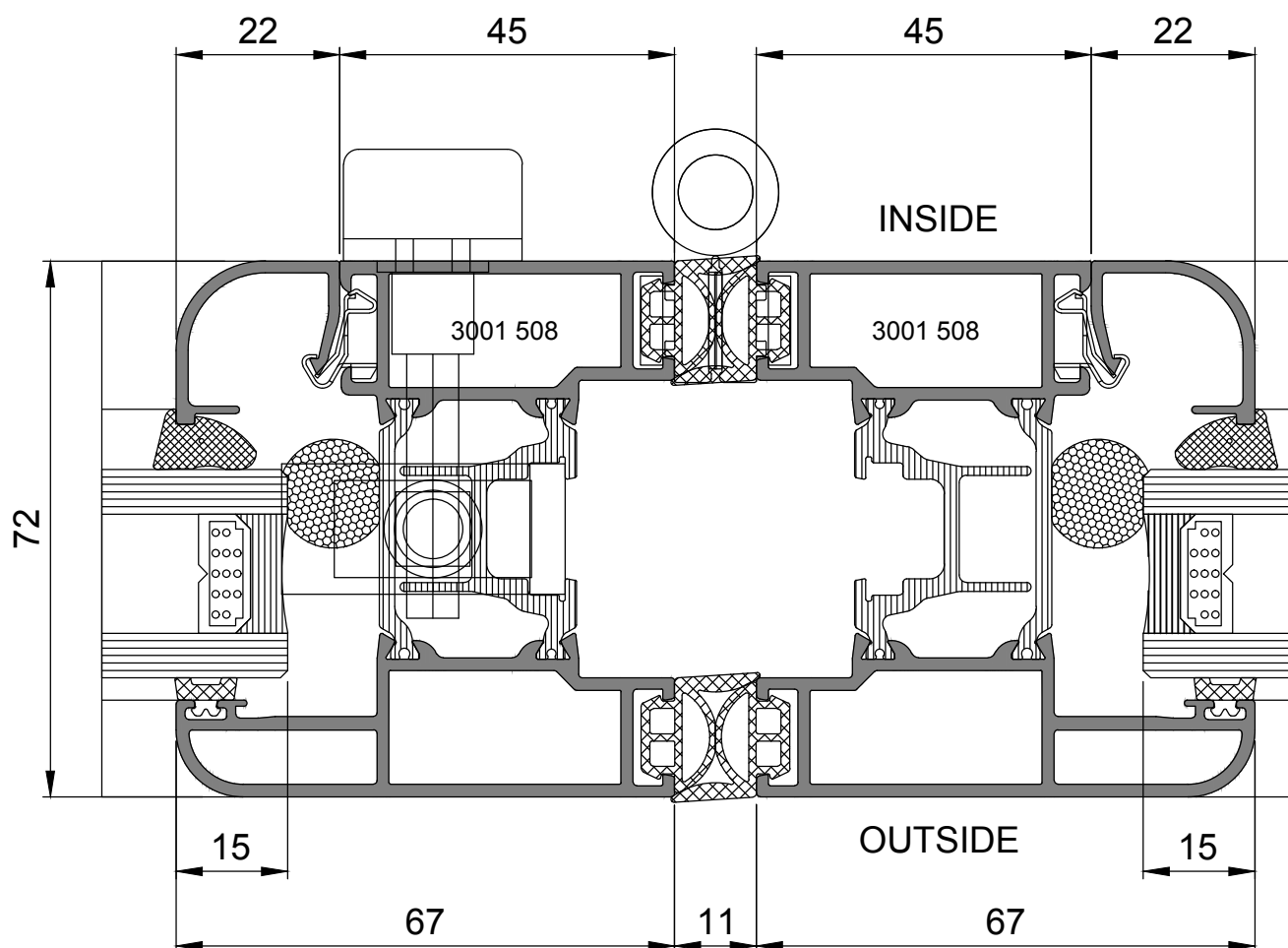
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Uk_AA3720_PMH1_010

Open-Out (3001 508), Internal hinge/handle with shoot bolt.



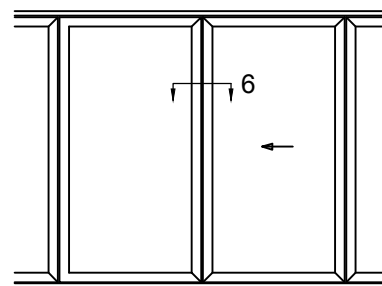
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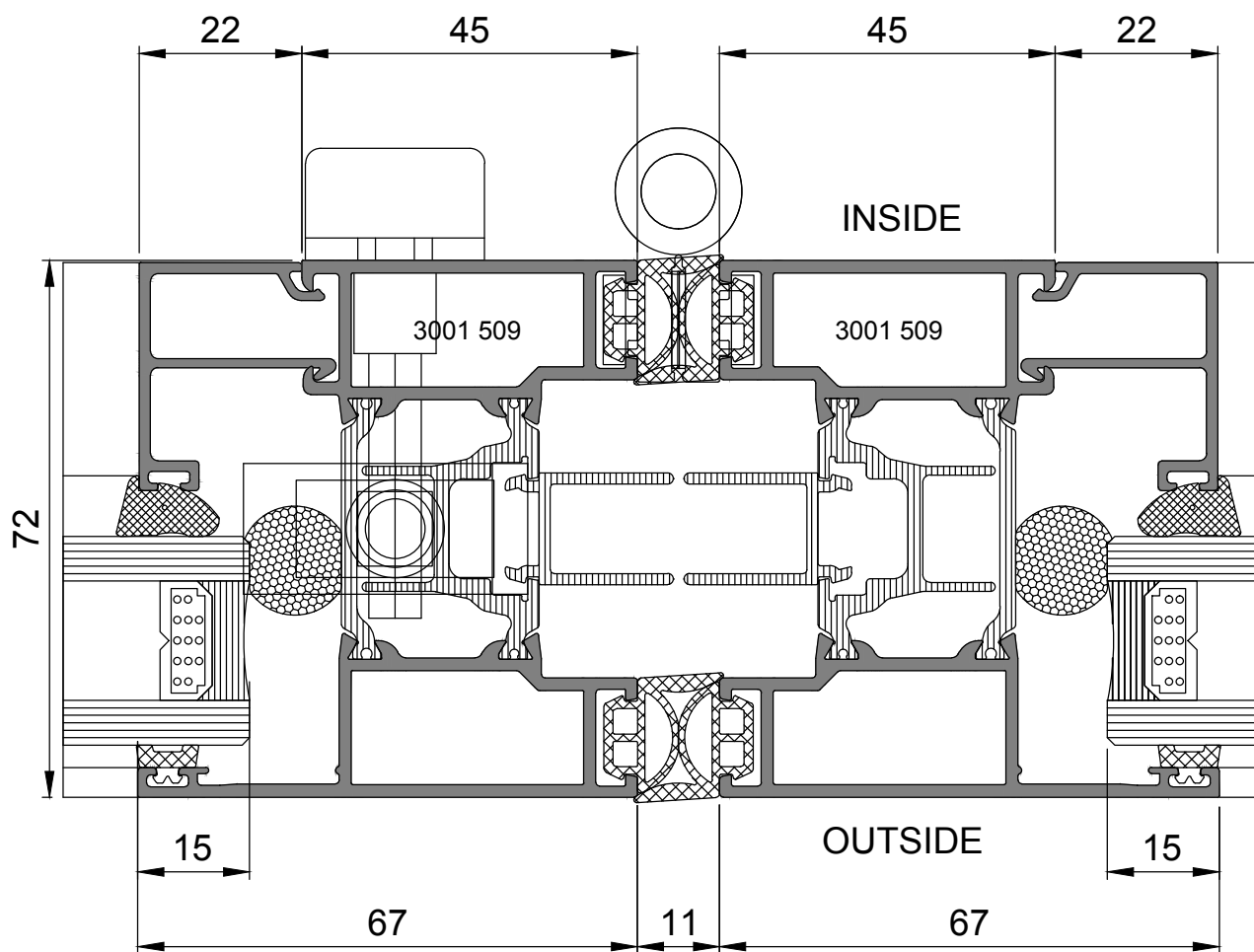
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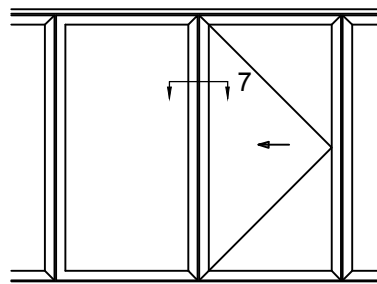
Open-Out (3001 509), Internal hinge/handle with shoot bolt.
Thermally enhanced detail.



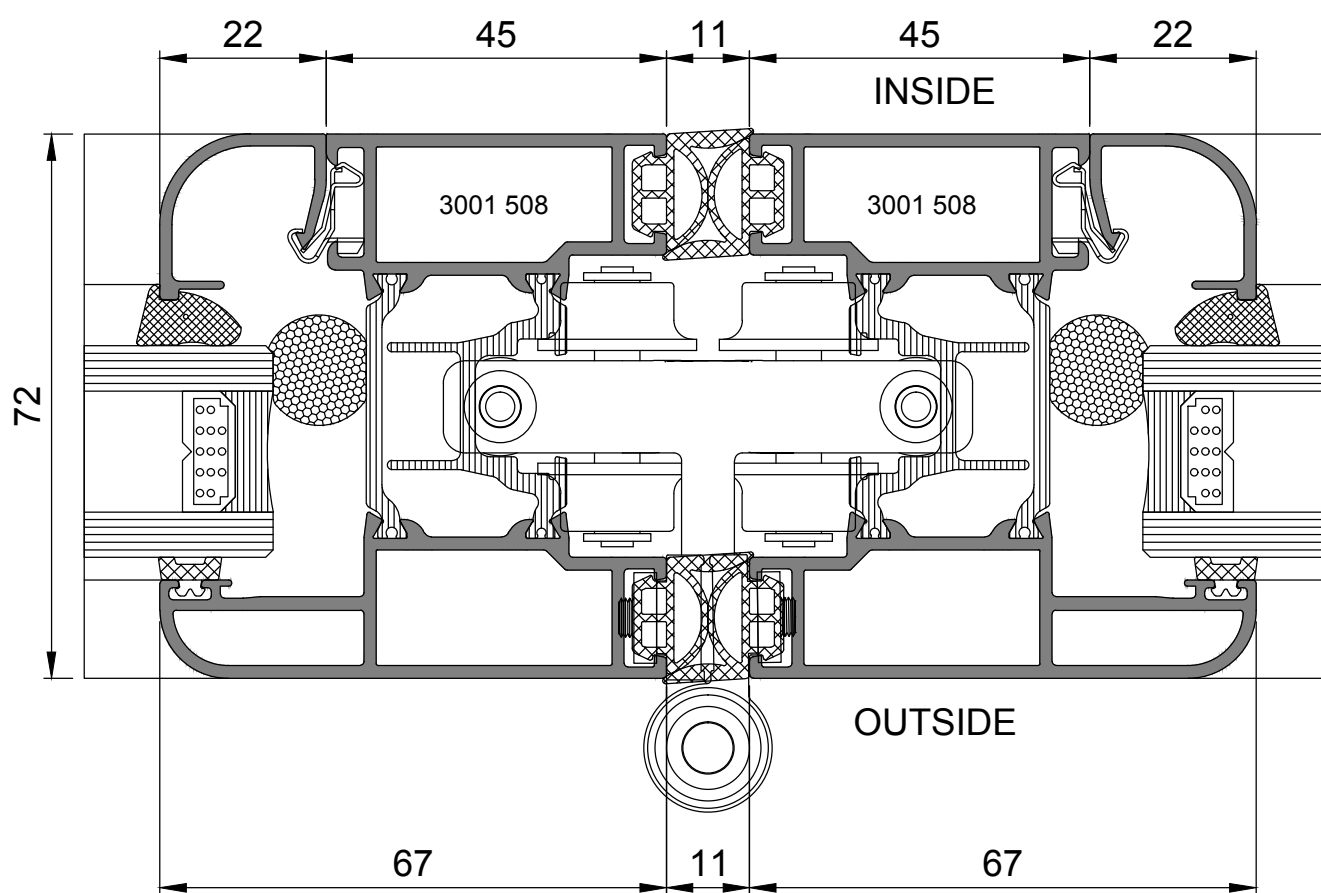
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Issue A Open-Out (3001 508), Panel/panel, roller set double and hinge external.



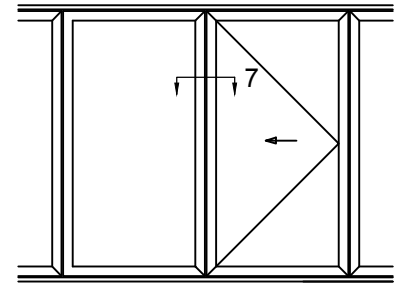
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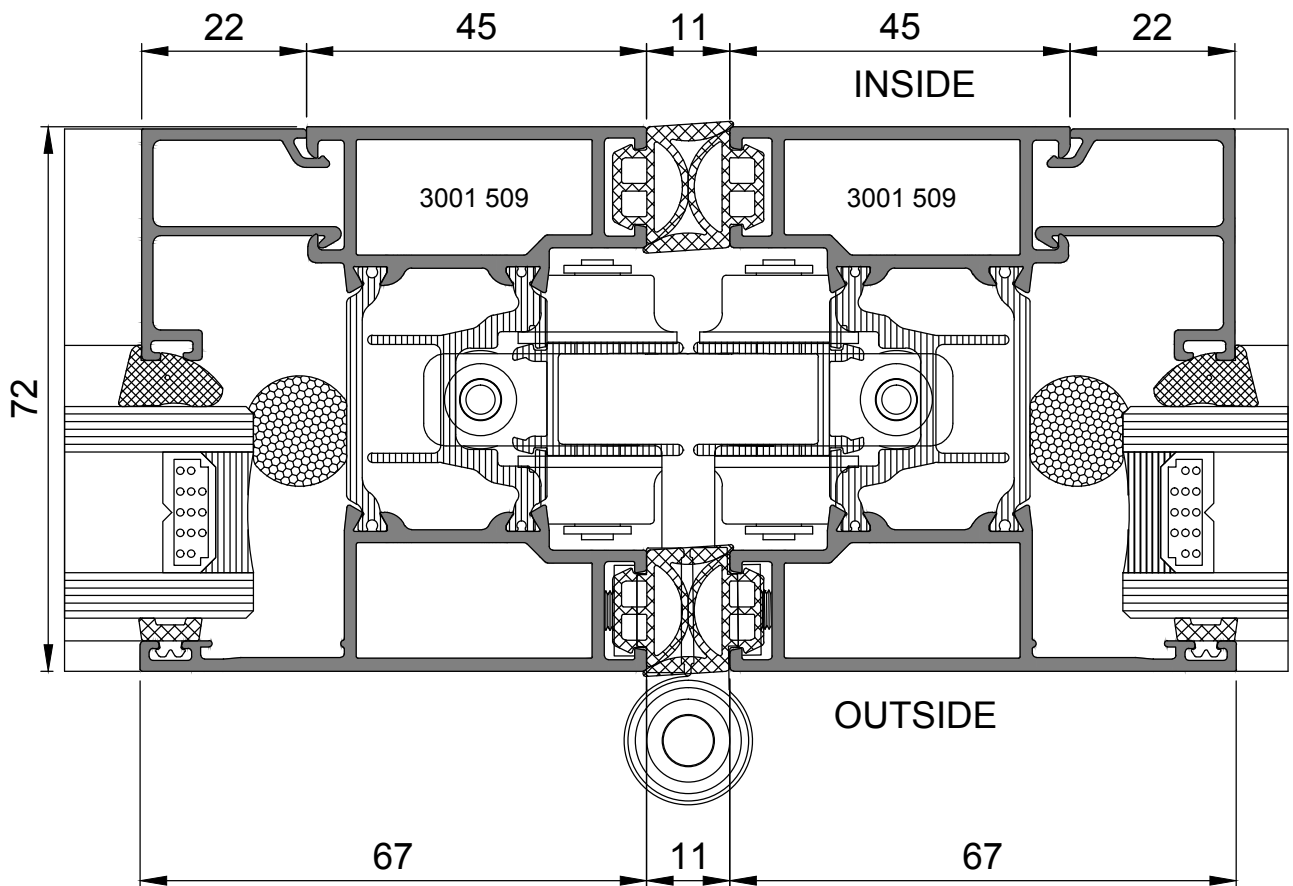
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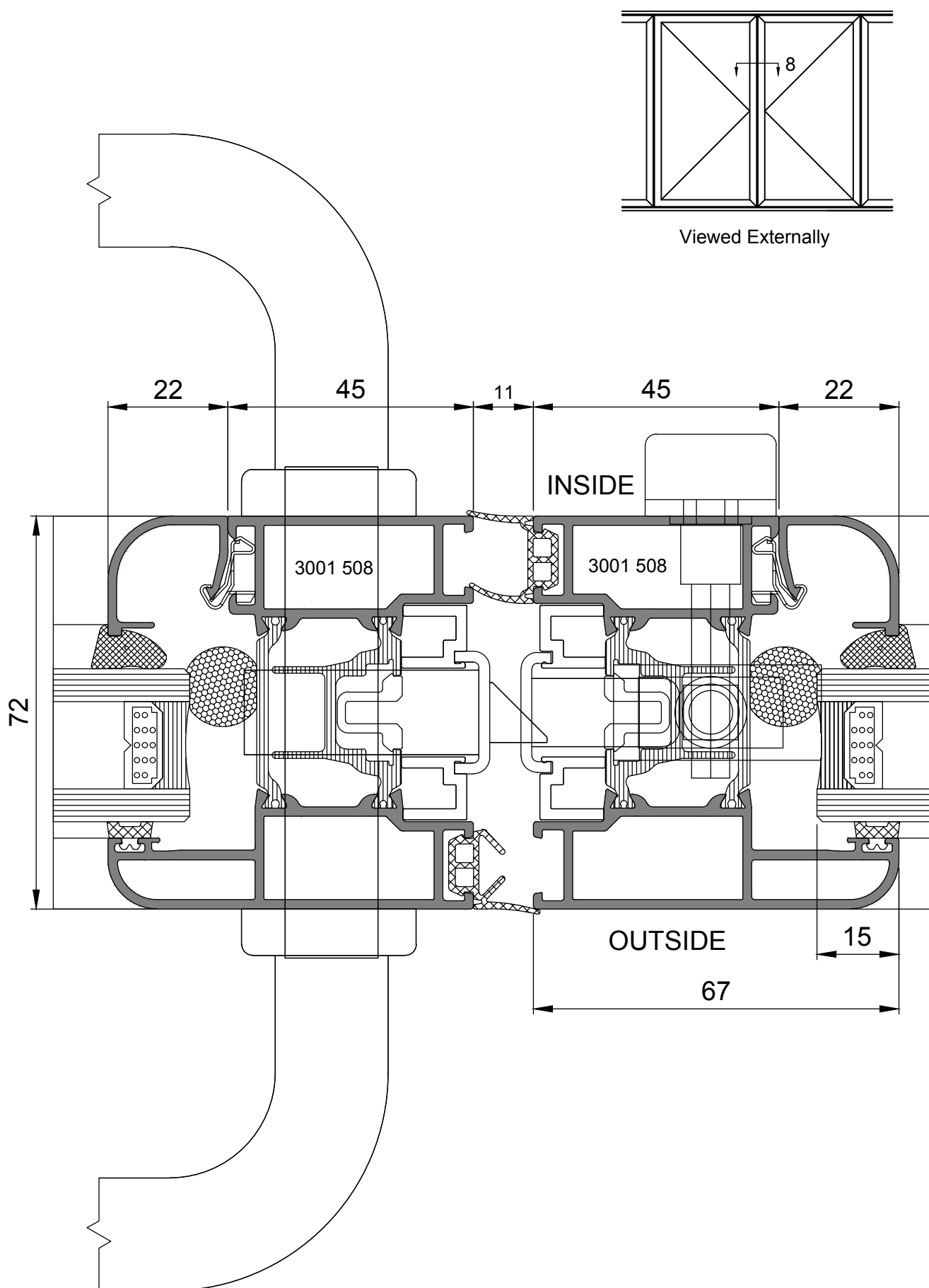
Open-Out (3001 509), Panel/panel, roller set double and hinge external. *Issue A*
 Thermally enhanced detail.



Viewed Externally



Open-Out (3001 508), Panel/panel, latch lock/handles/shoot bolt.

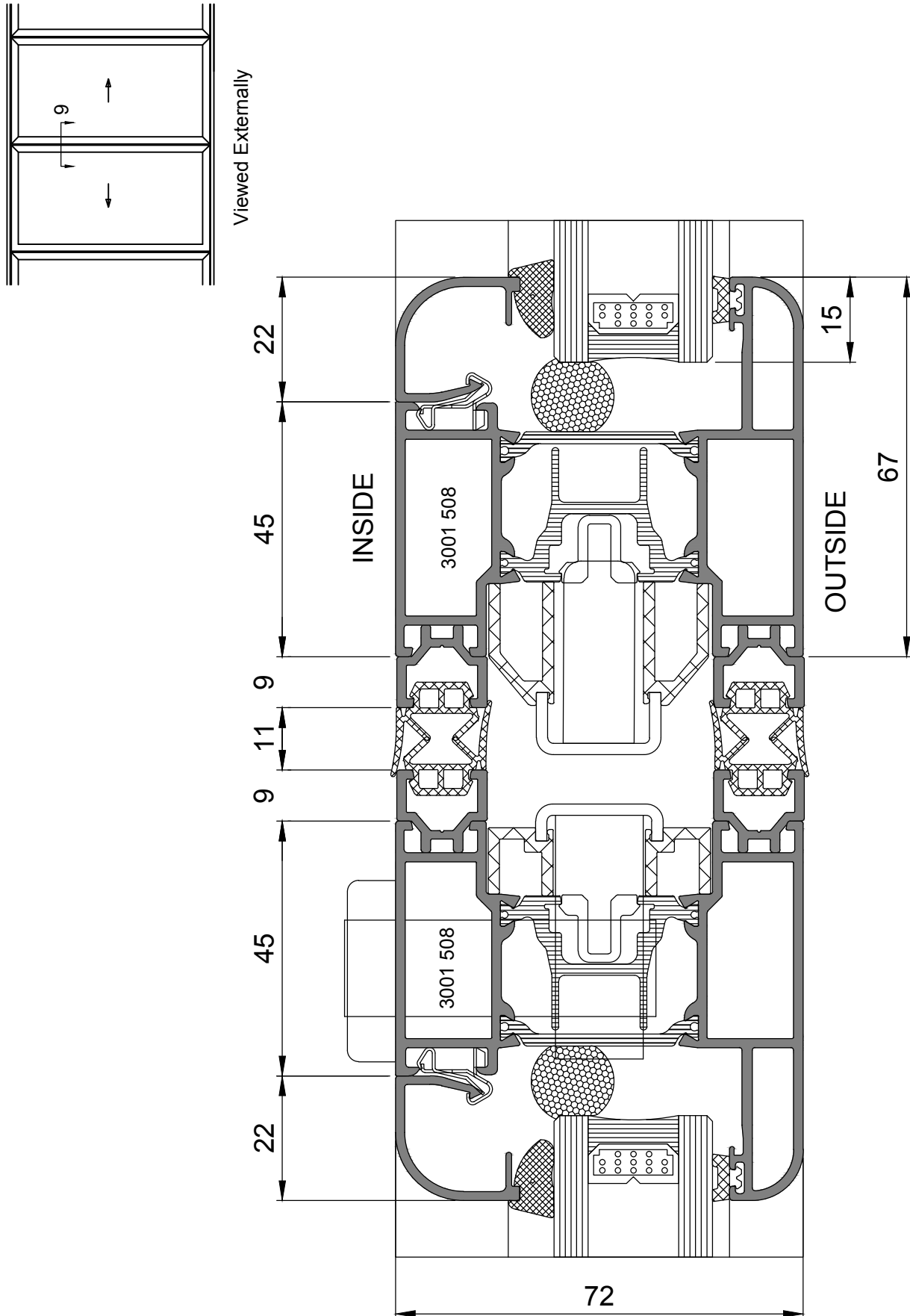


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Open-Out (3001 508), Panel/panel, latchless lock.

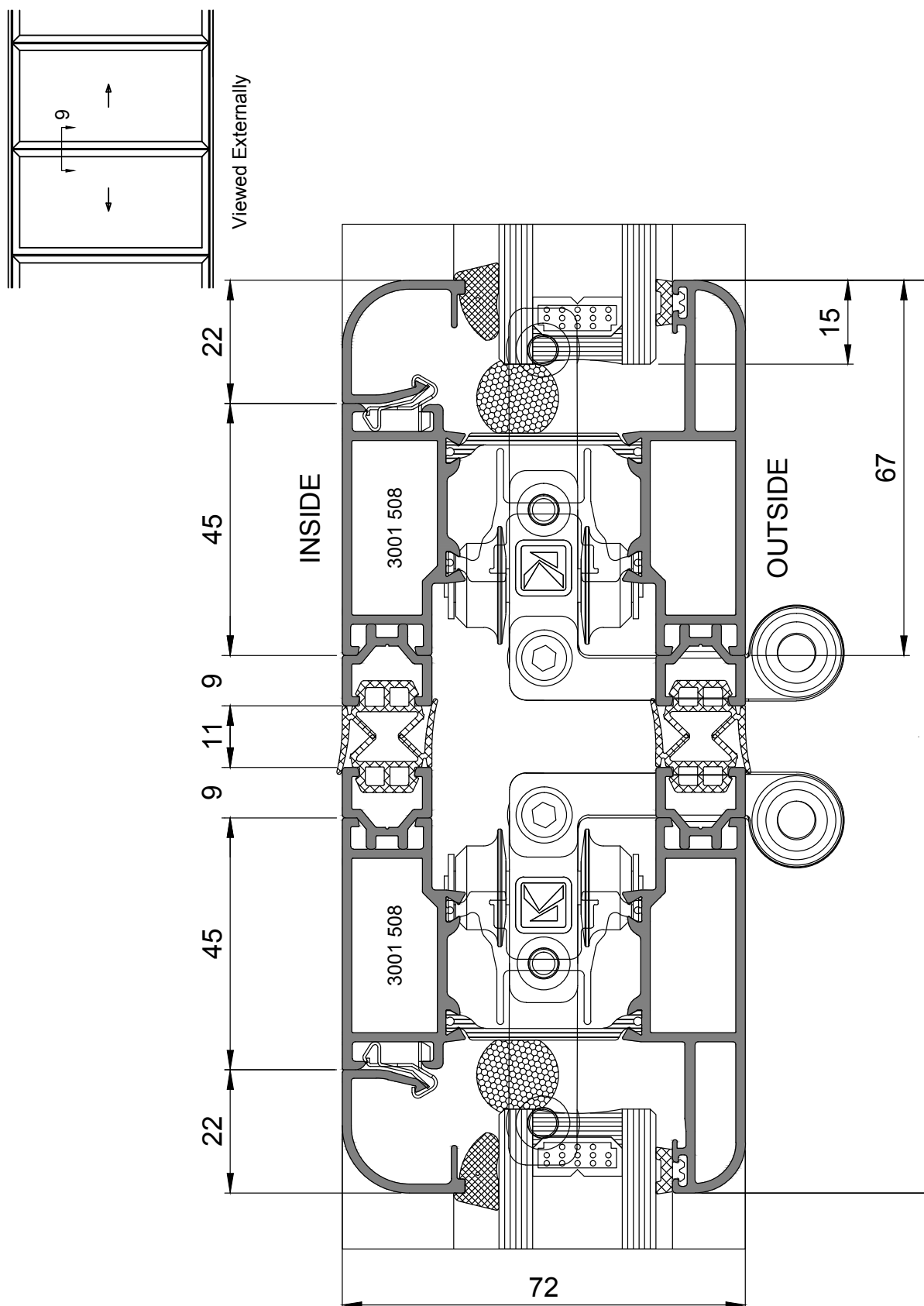
Issue A



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Open-Out (3001 508), Panel/panel, roller set single (both sides).

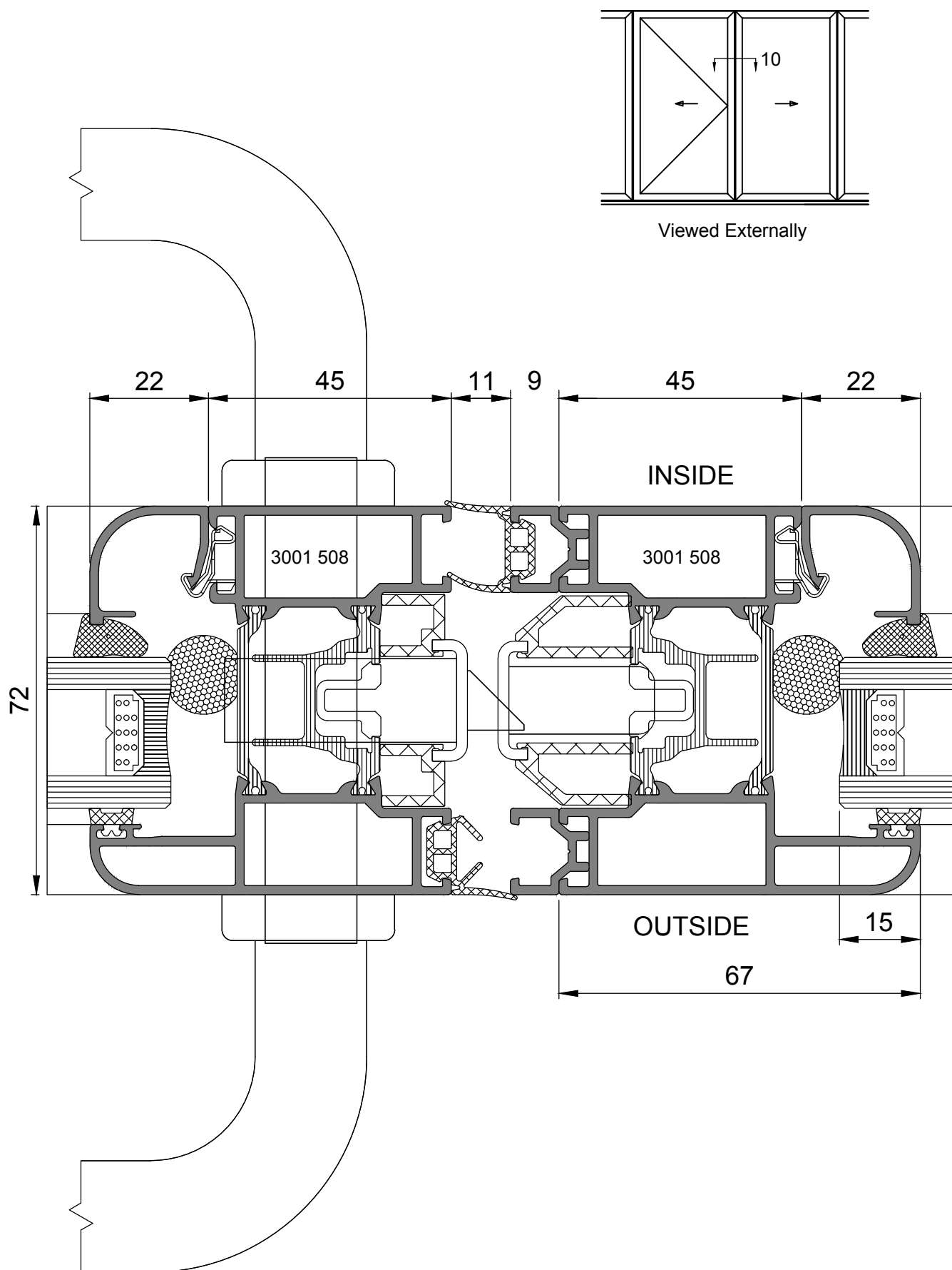


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Open-Out (3001 508), Panel/panel, latch lock.

Issue A

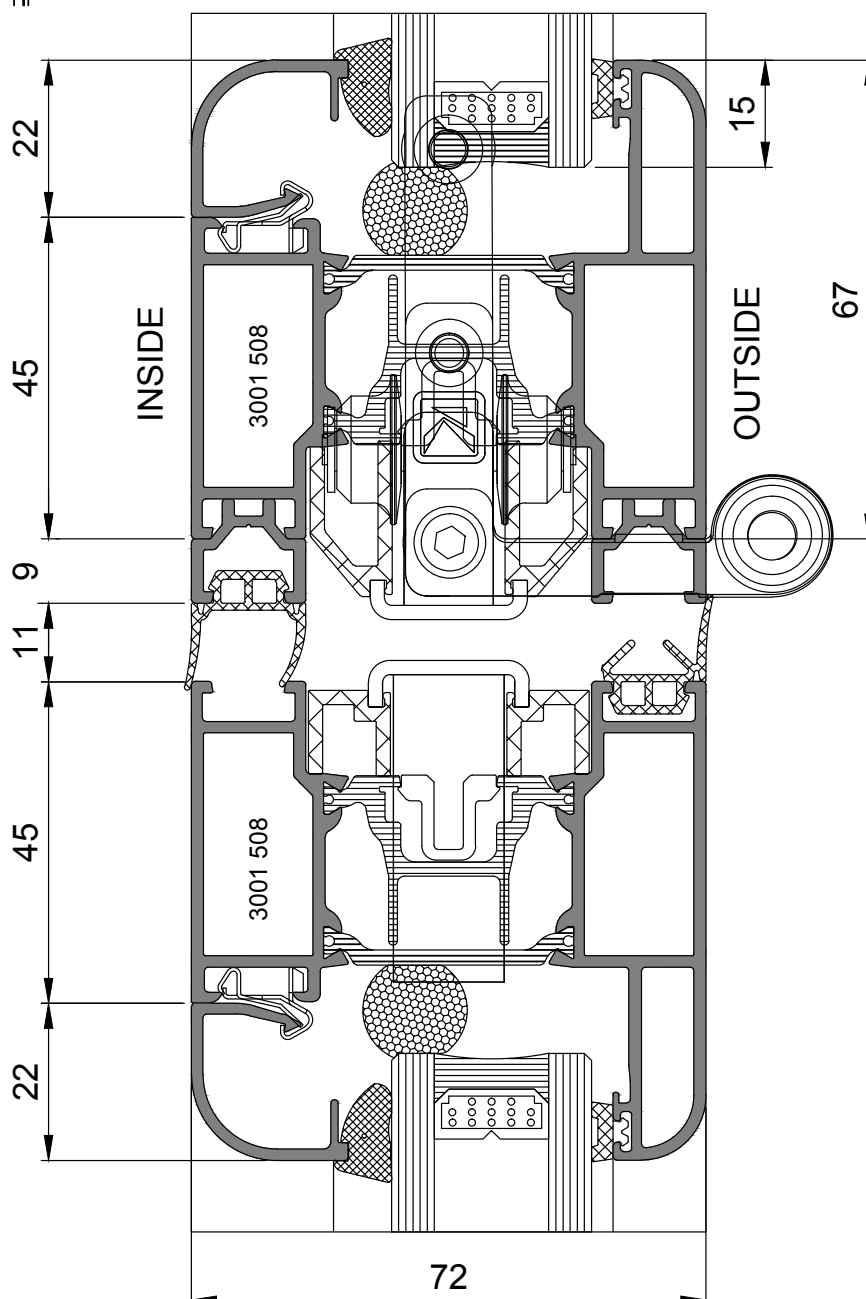
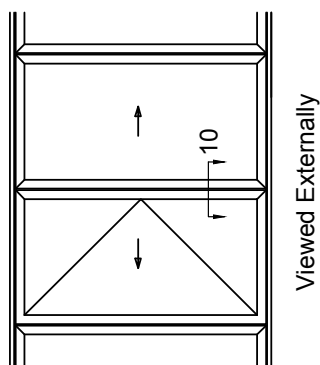


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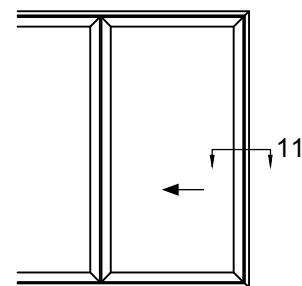
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Open-Out (3001 508), Roller set single.

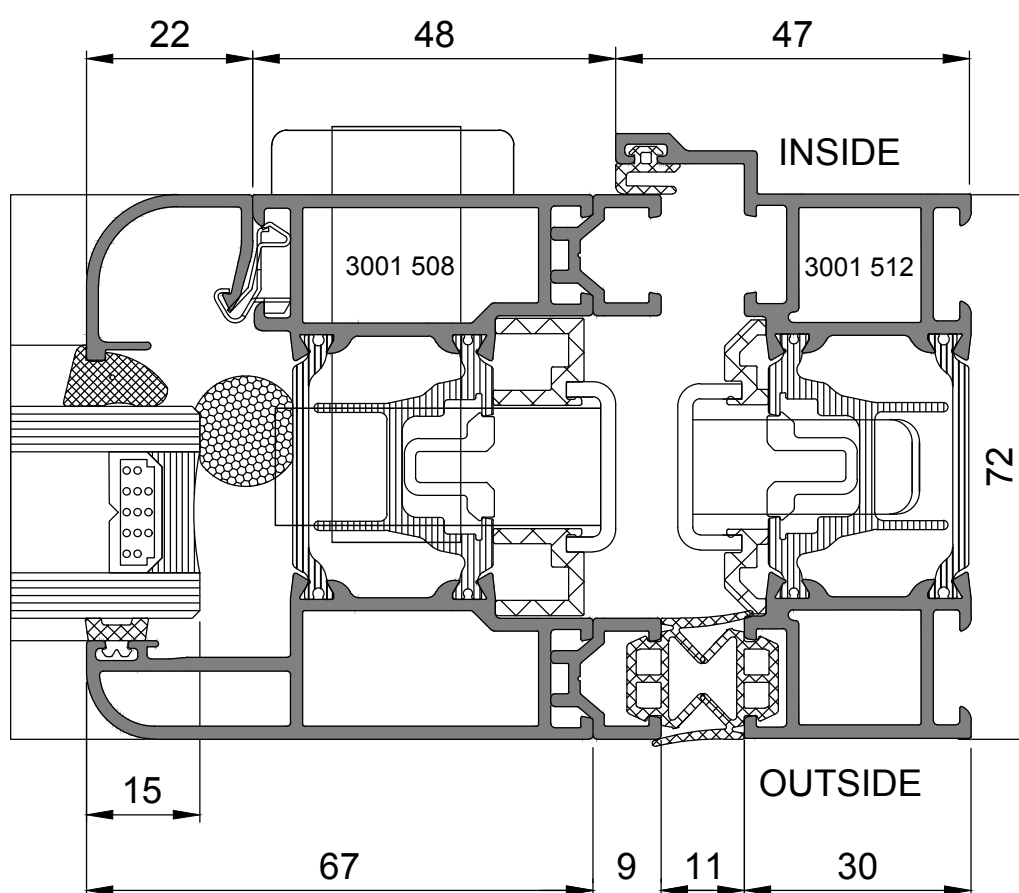


Open-Out (3001 508), Frame/panel with latchless lock.

Issue A



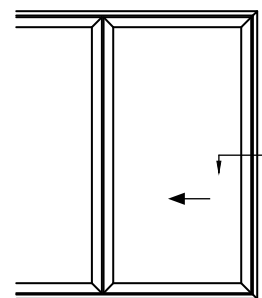
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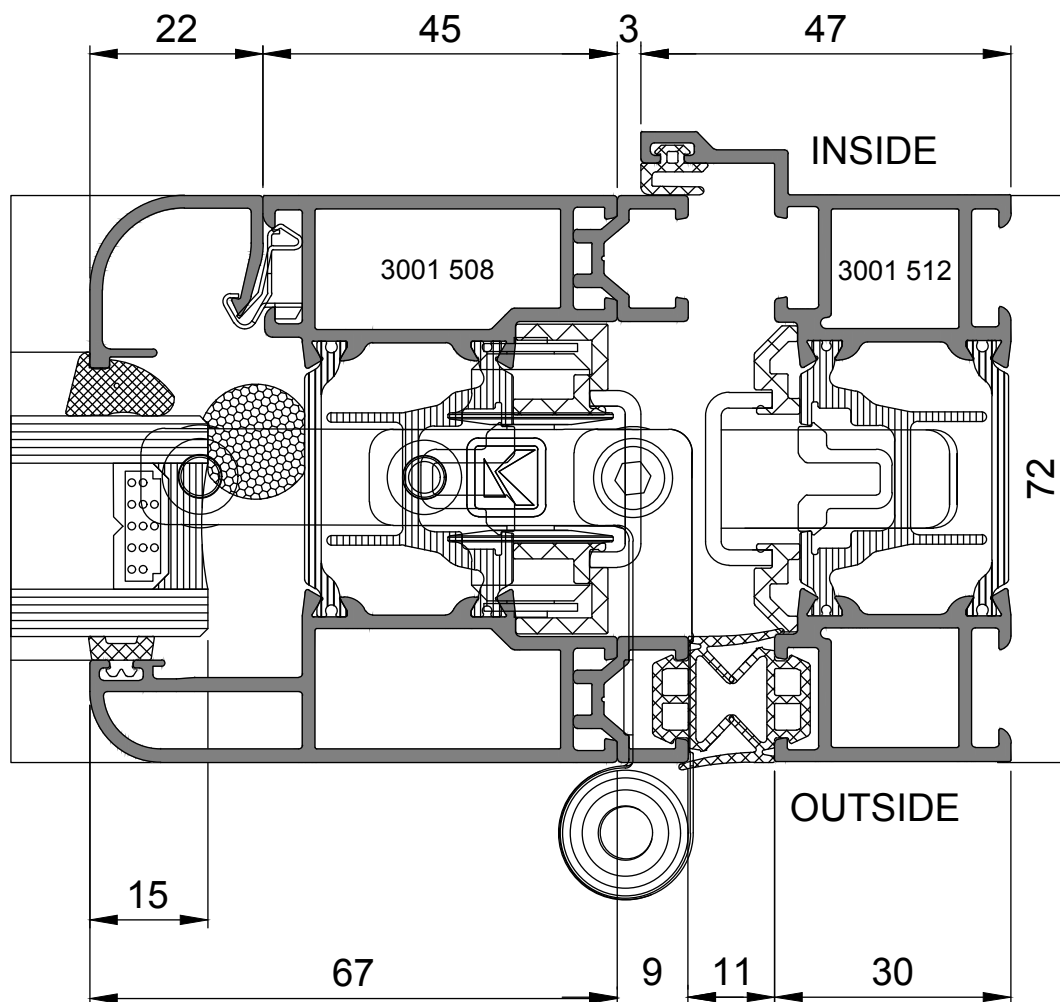
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Open-Out (3001 508), Frame/panel with roller set single.



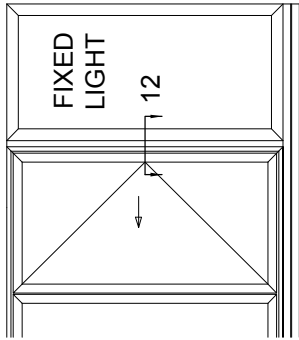
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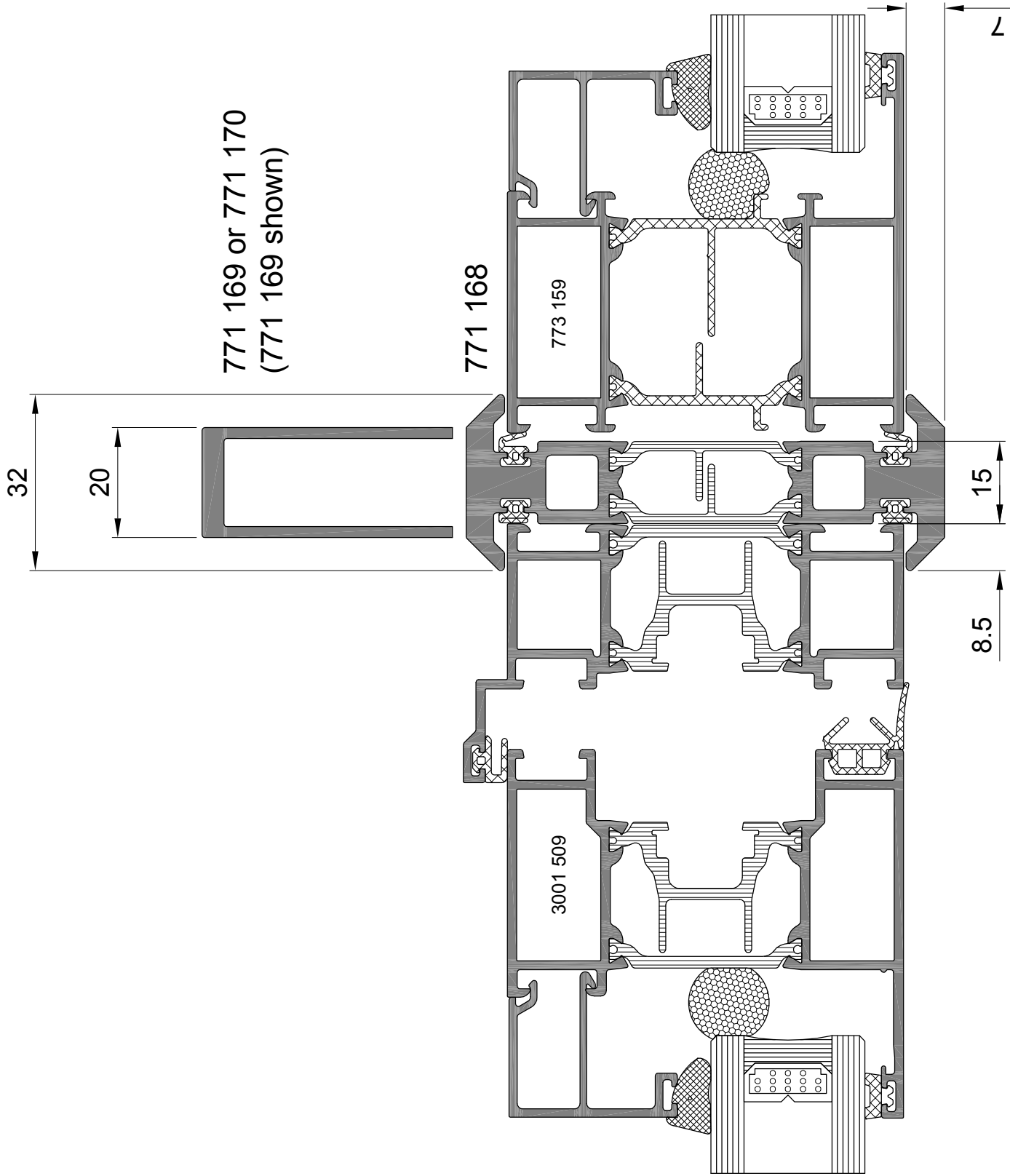
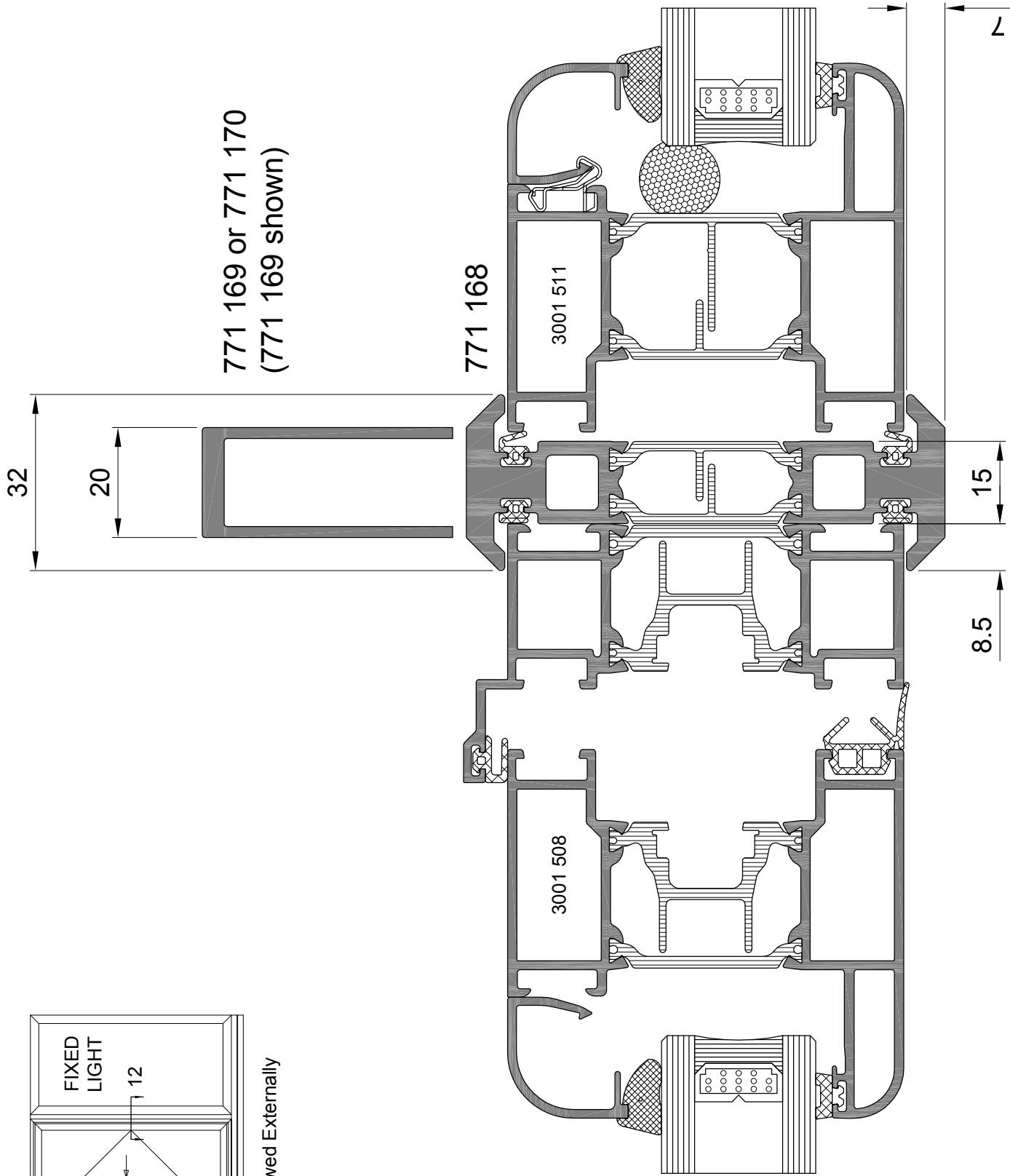
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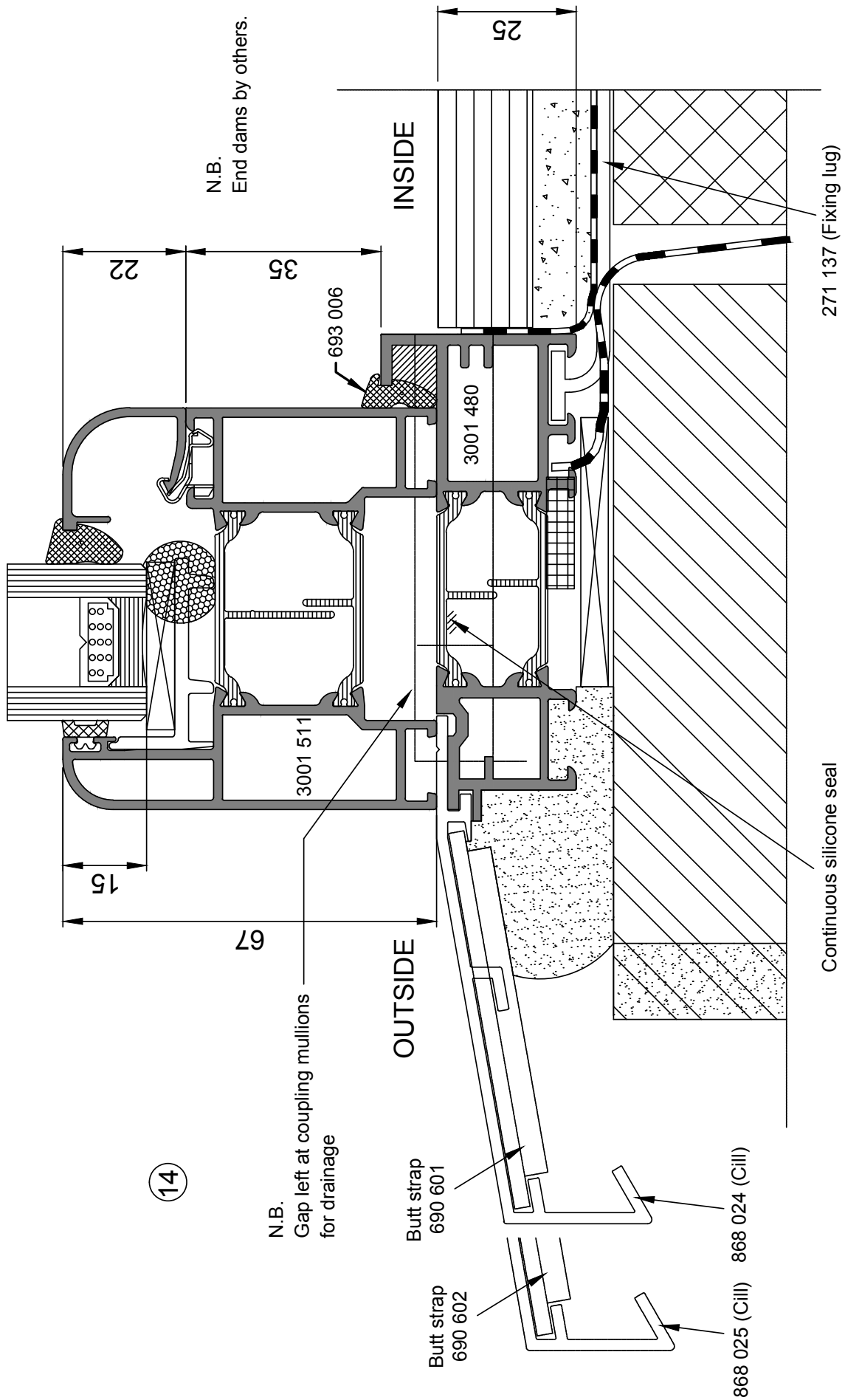
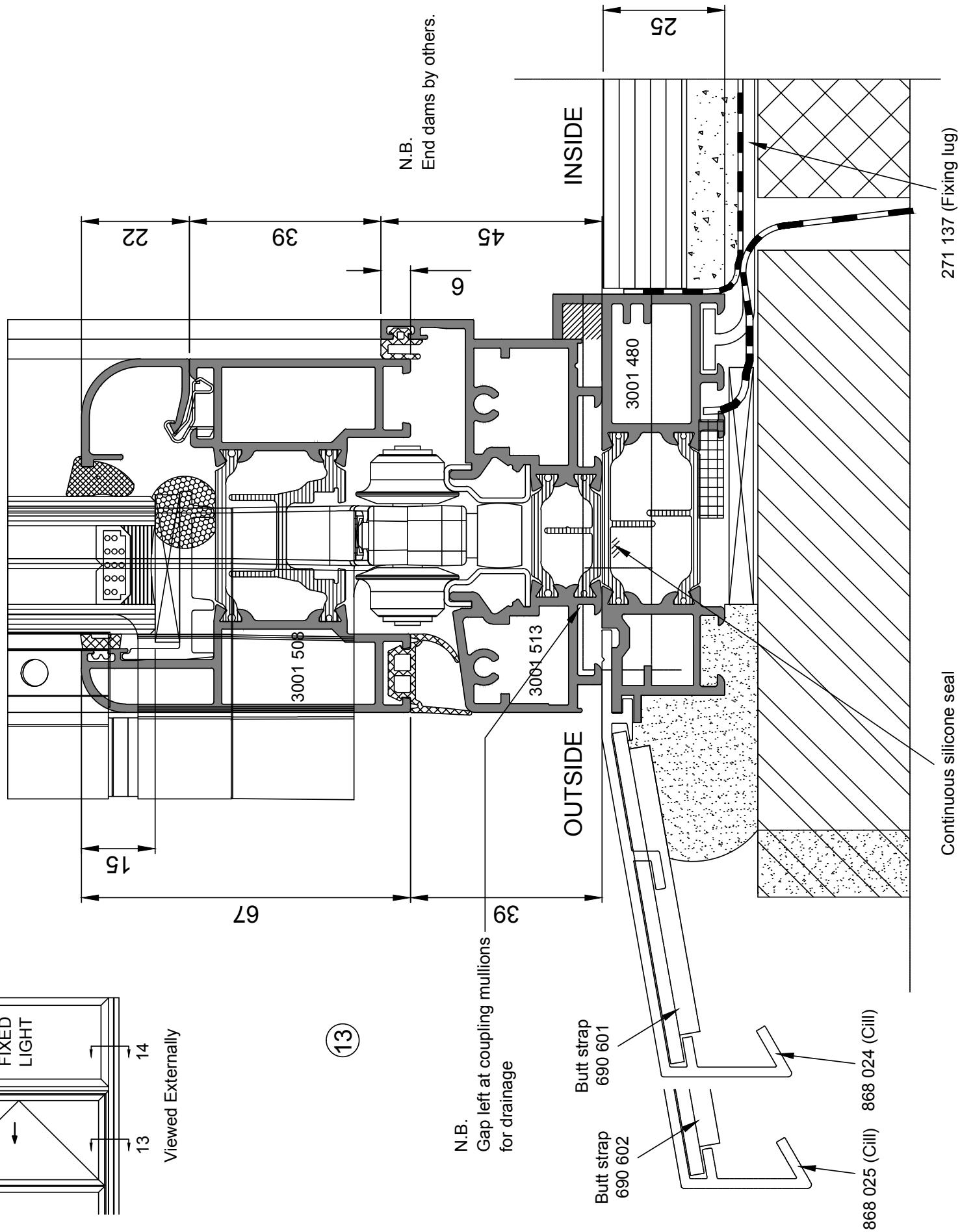
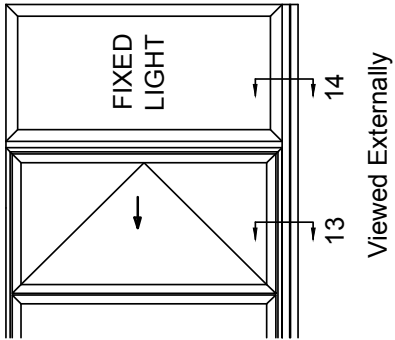
Open-Out (3001 508 and 3001 509), Coupling arrangements.



Viewed Externally

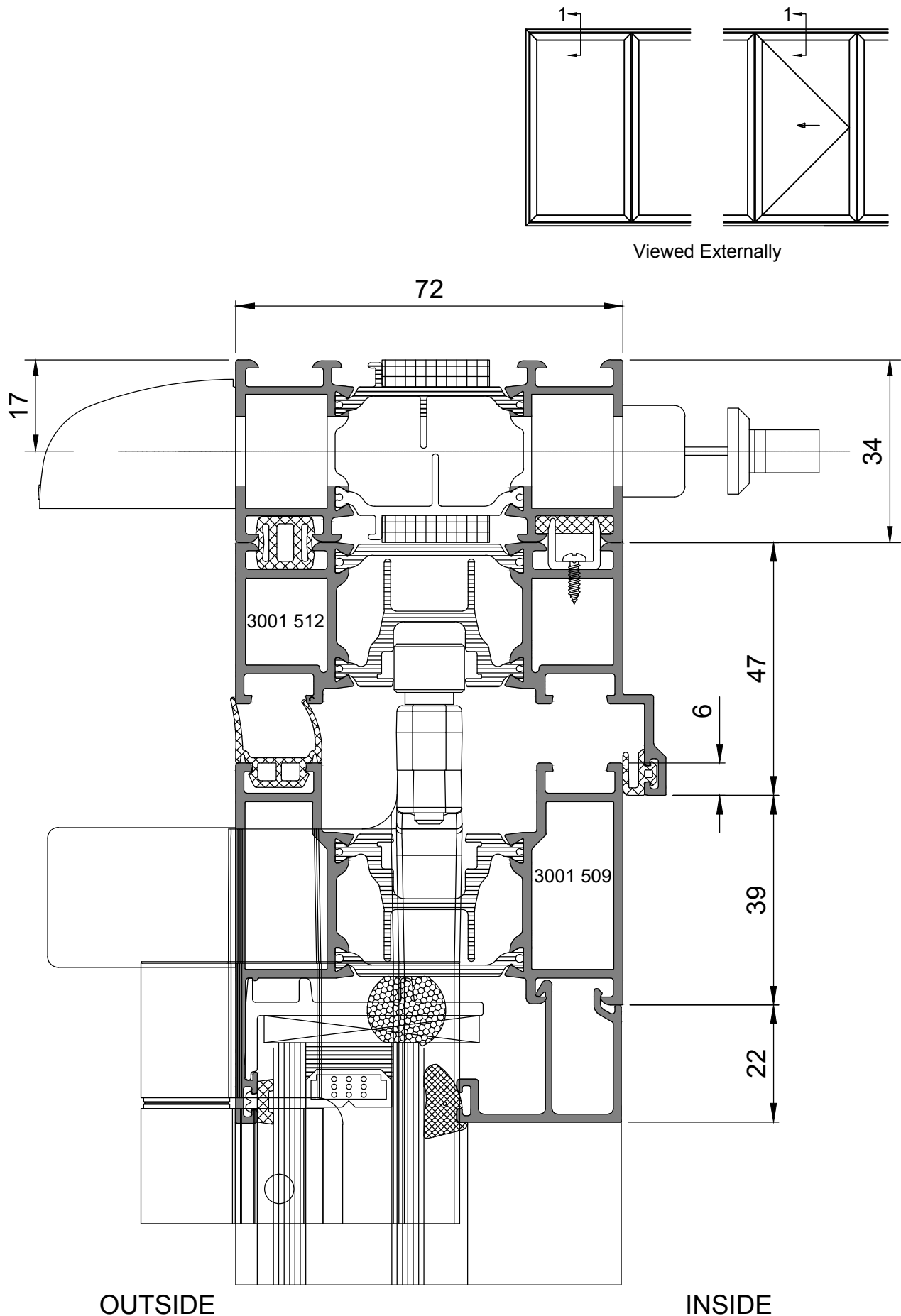


Open-Out (3001 508 and 3001 509) - Cill arrangements.



Open-Out (3001 509), Trickle vent arrangement.

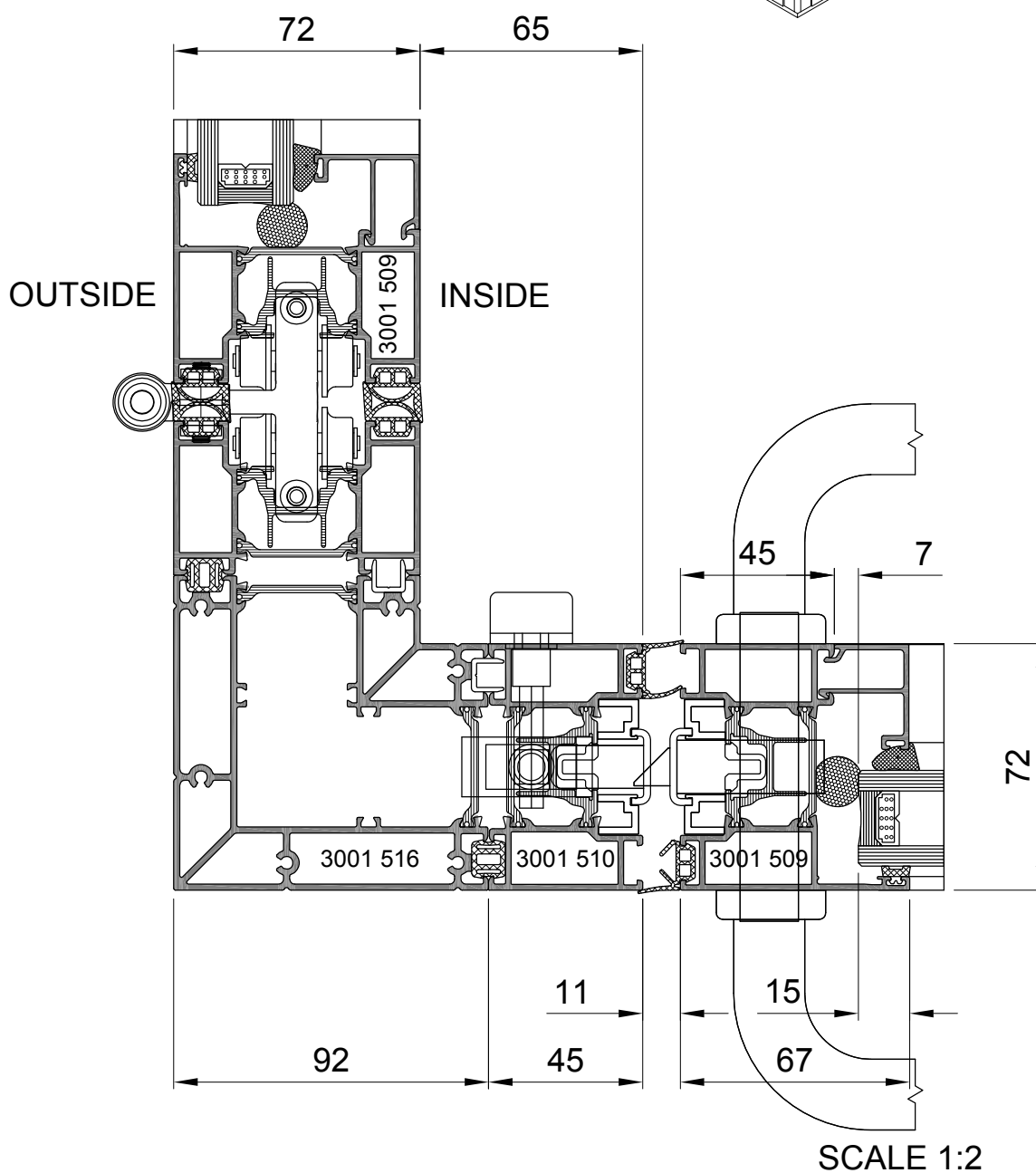
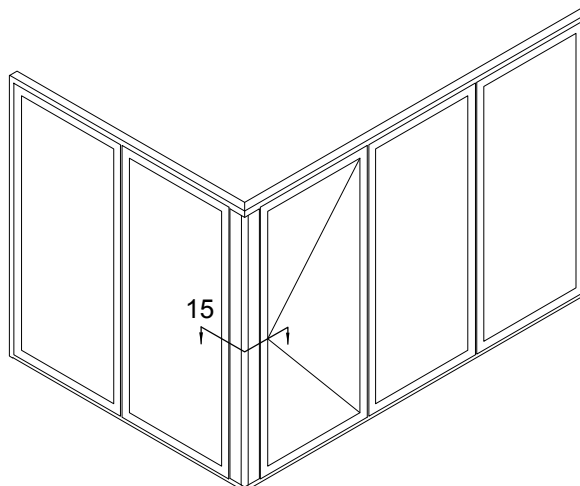
Issue A



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Open-Out (3001 509), Panel Corner Post 90°.



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page	issue	description
H2-1	A	Open In - Window elevations & references.
H2-2	A	Open In - Window elevations & references.
H2-3	A	Open-In (3001 508), Head with guide.
H2-4	A	Open-In (3001 508), Rebated Threshold with roller gear and track.
H2-5	A	Open-In (3001 508), Low Threshold with roller gear and track.
H2-6	A	Open-In (3001 508), Rebated Threshold with roller gear and track.
H2-7	A	Open-In (3001 508), Sunken Threshold with roller gear and track.
H2-8	A	Open-In (3001 508), Head with magnet.
H2-9	A	Open-In (3001 508), Frame, panel with hinge (internal).
H2-10	A	Open-In (3001 509), Frame, panel with hinge (internal). Thermally enhanced detail.
H2-11	A	Open-In (3001 508), Frame, panel with latch lock/handles.
H2-12	A	Open-In (3001 508), External hinge/handle with shoot bolt.
H2-13	A	Open-In (3001 509), External hinge/handle with shoot bolt. Thermally enhanced detail.
H2-14	A	Open-In (3001 508), Panel/panel, roller set double and hinge internal.
H2-15	A	Open-In (3001 509), Panel/panel, roller set double and hinge internal. Thermally enhanced detail.
H2-16	A	Open-In (3001 508), Panel/panel, latch lock/handles/shoot bolt.
H2-17	A	Open-In (3001 508), Panel/panel, latchless lock.

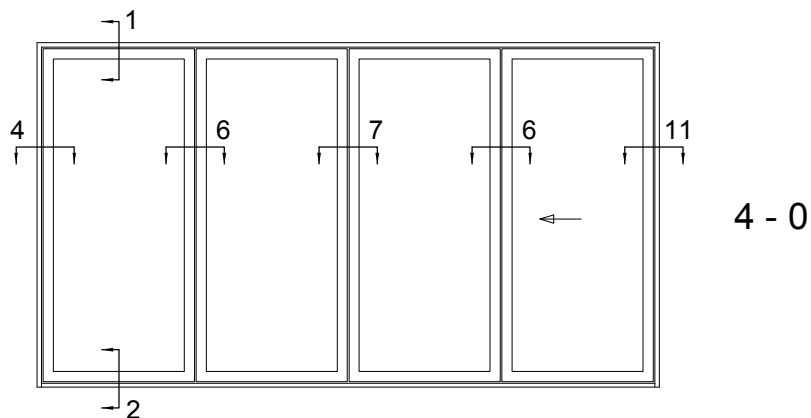
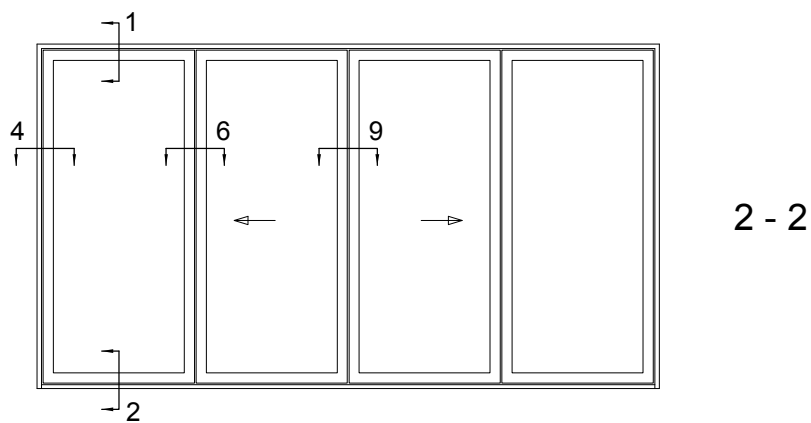
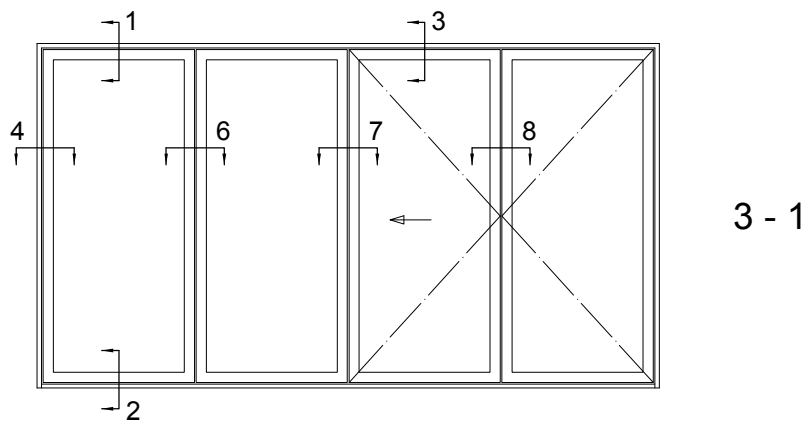
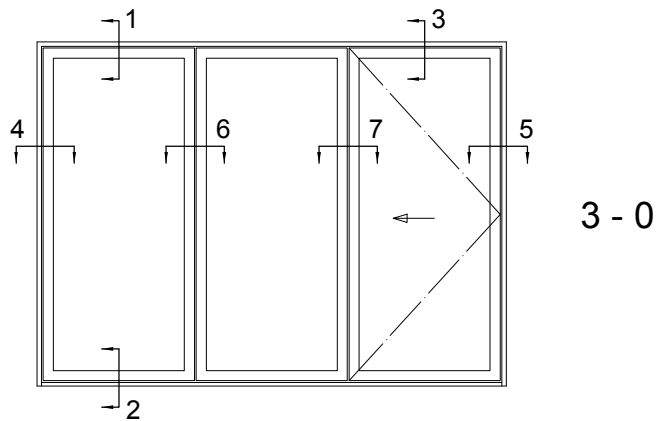
page	issue	description
H2-18	A	Open-In (3001 508), Panel/panel, roller set single (both sides).
H2-19	A	Open-In (3001 508), Panel/panel with latch lock.
H2-20	A	Open-In (3001 508), Roller set single.
H2-21	A	Open-In (3001 508), Frame/panel, latchless lock.
H2-22	A	Open-In (3001 508), Frame/panel with roller set single.
H2-23	A	Open-In (3001 508 and 3001 509), Coupling arrangements.
H2-24	A	Open-In (3001 508 and 3001 509), Cill arrangements.
H2-25	A	Open-In (3001 509), Trickle vent arrangement.

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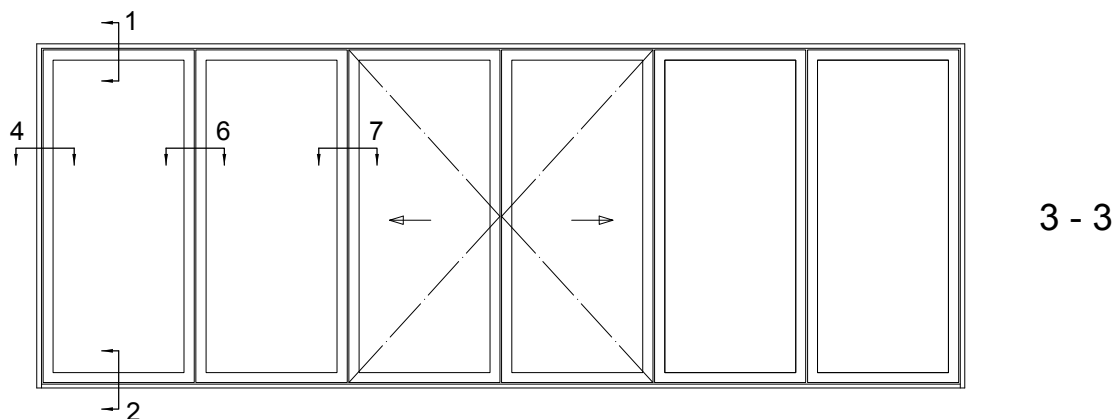
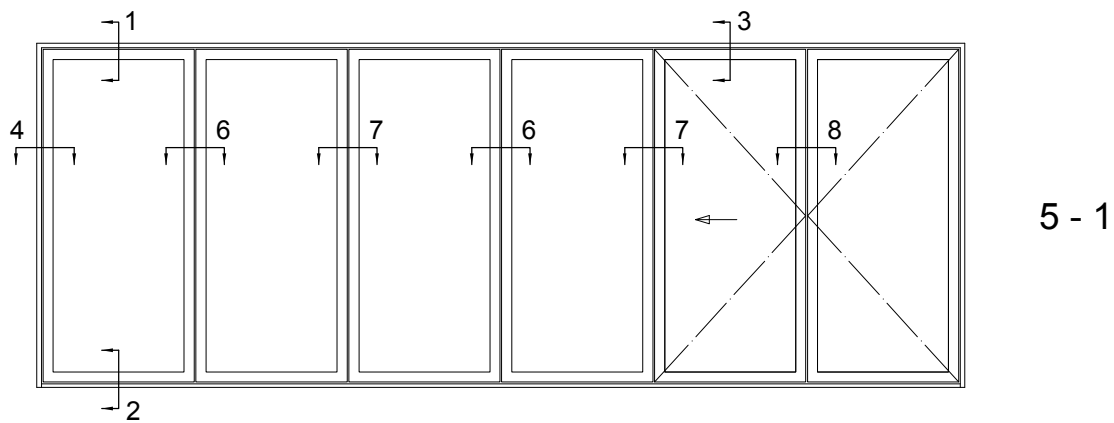
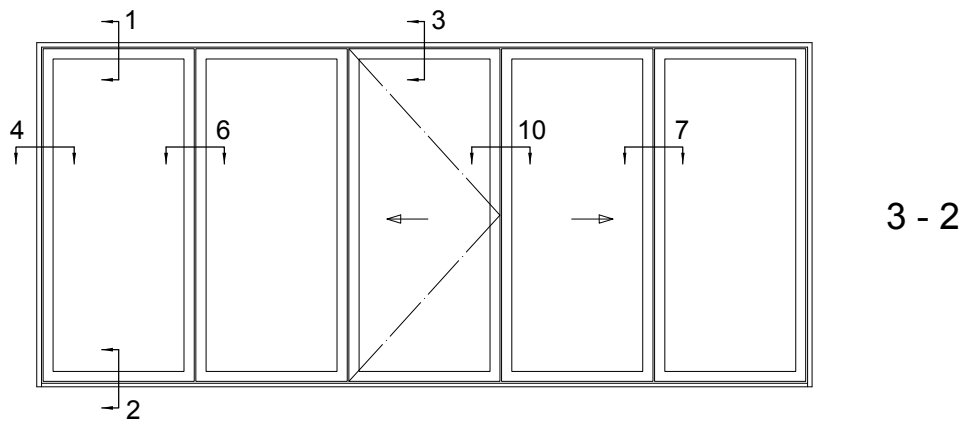
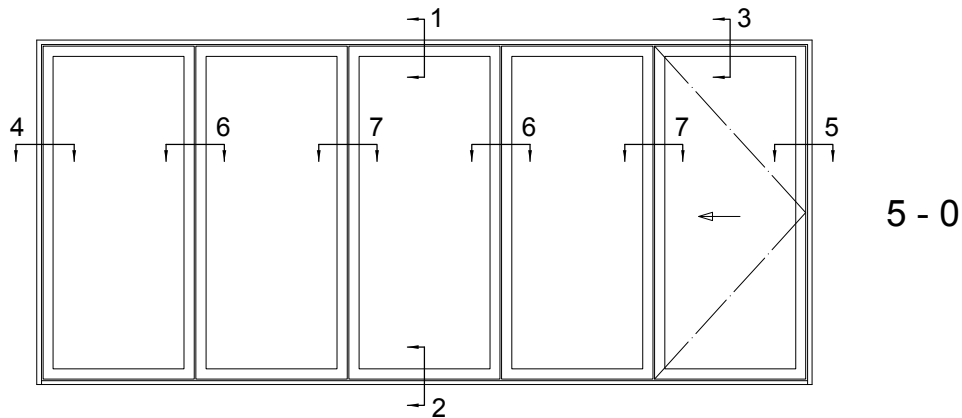
Open In - Window elevations & references.

Configurations shown below are for detail reference purposes only.



Open In - Window elevations & references.

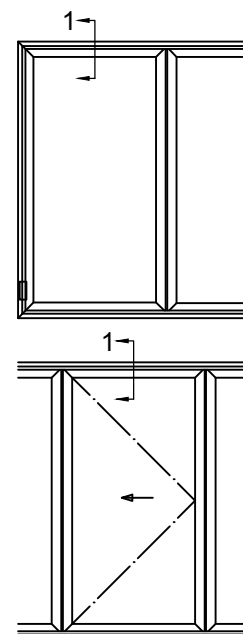
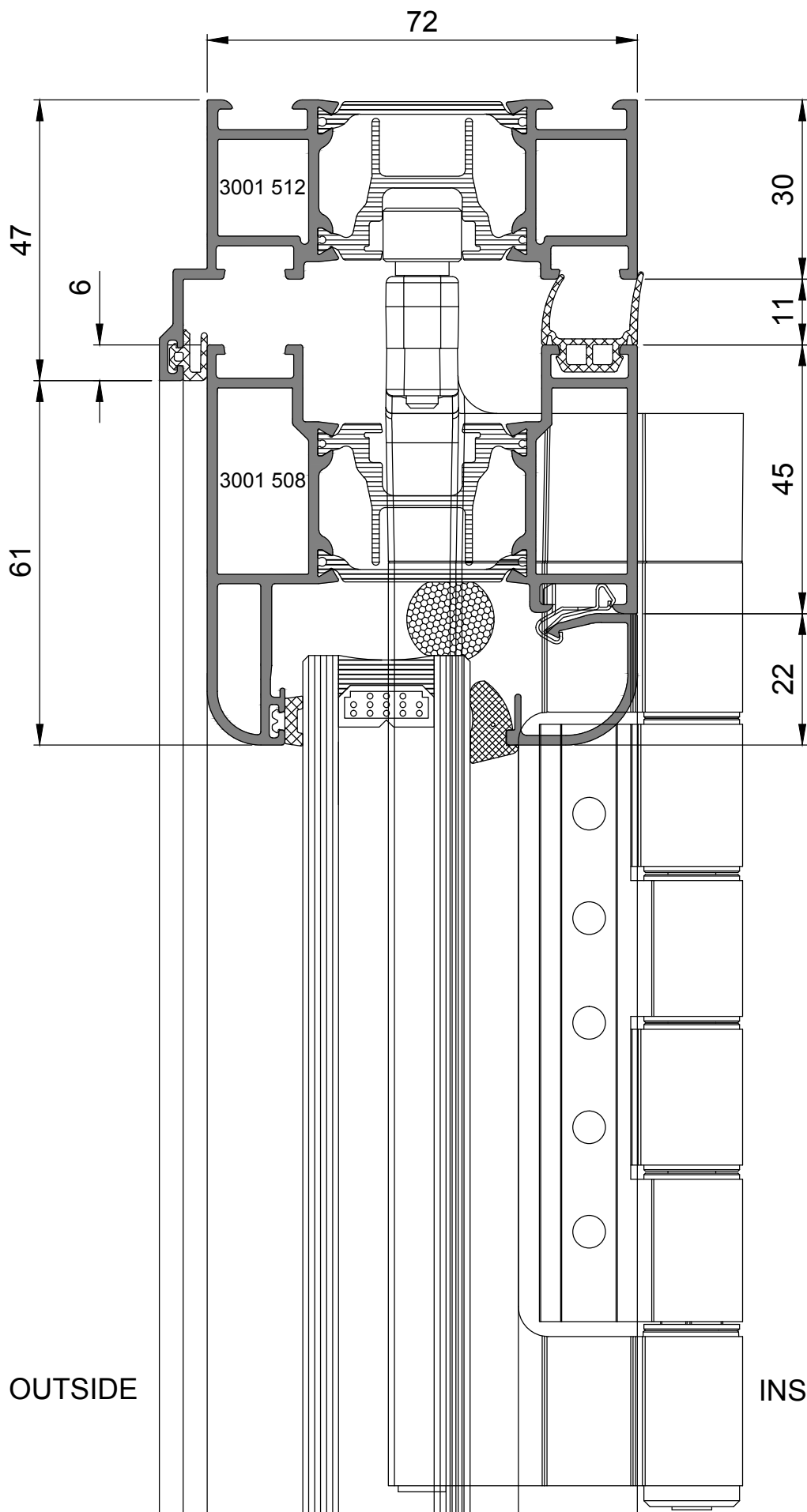
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Open-In (3001 508), Head with guide.



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OUTSIDE

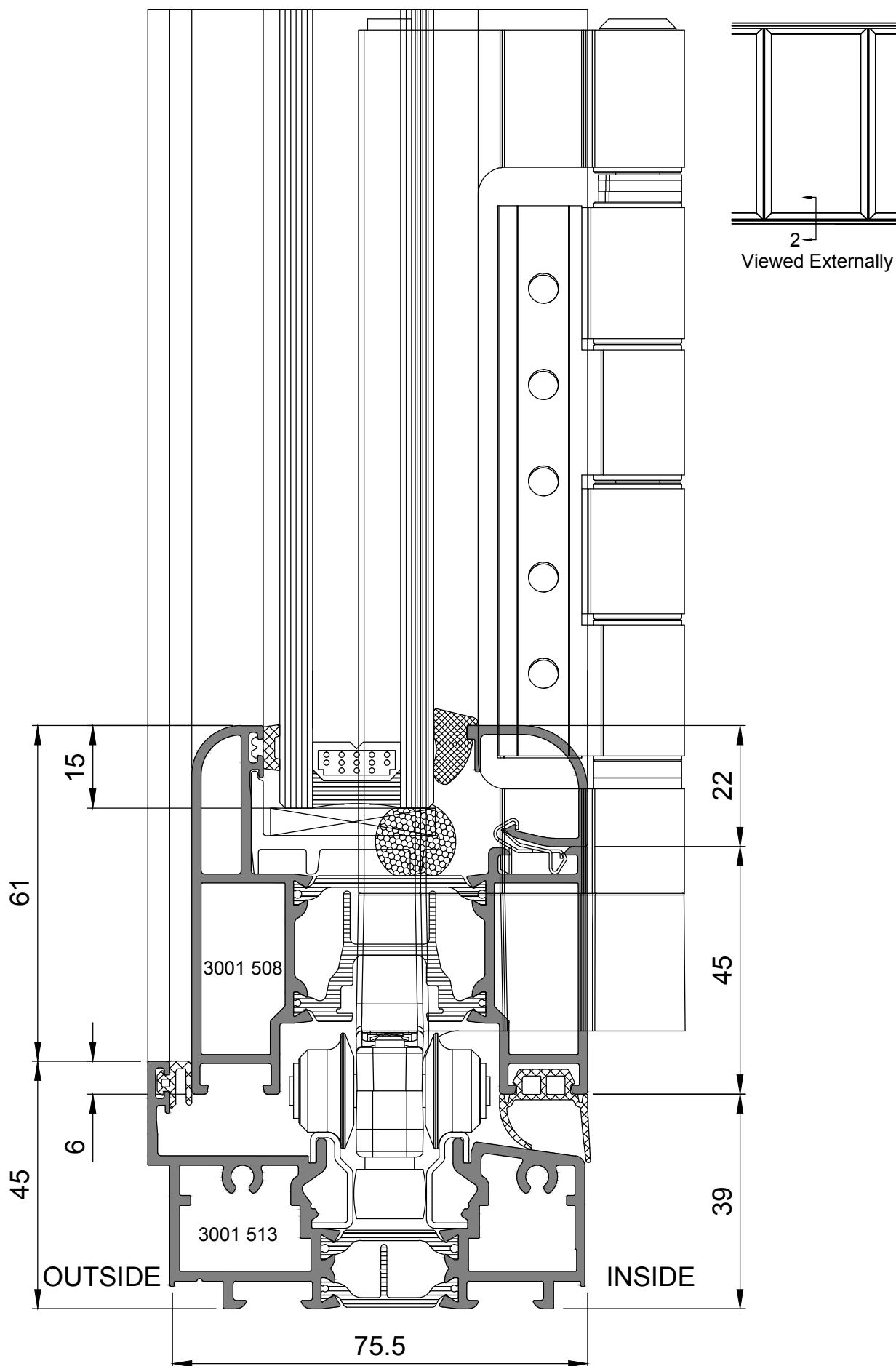
INSIDE

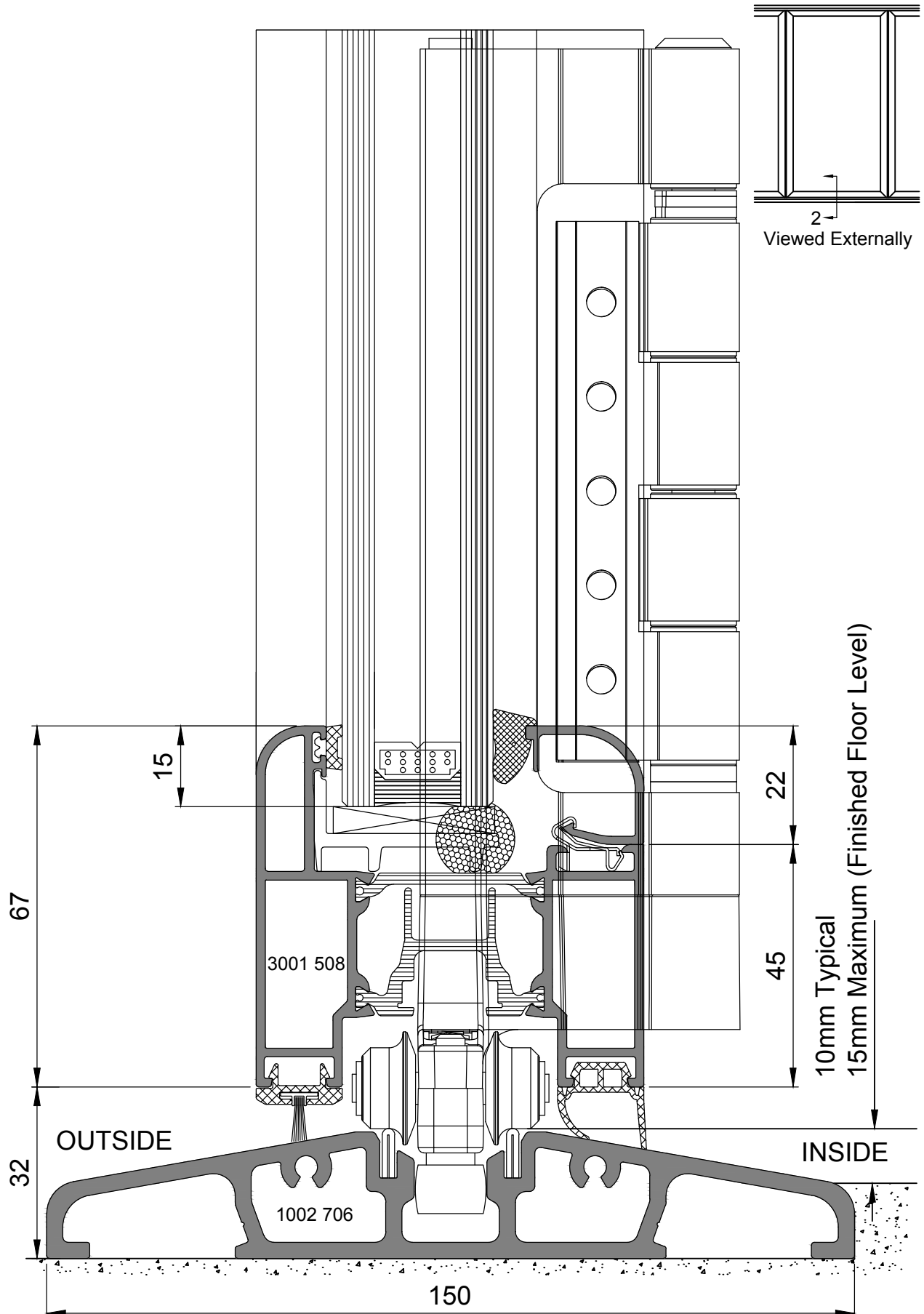
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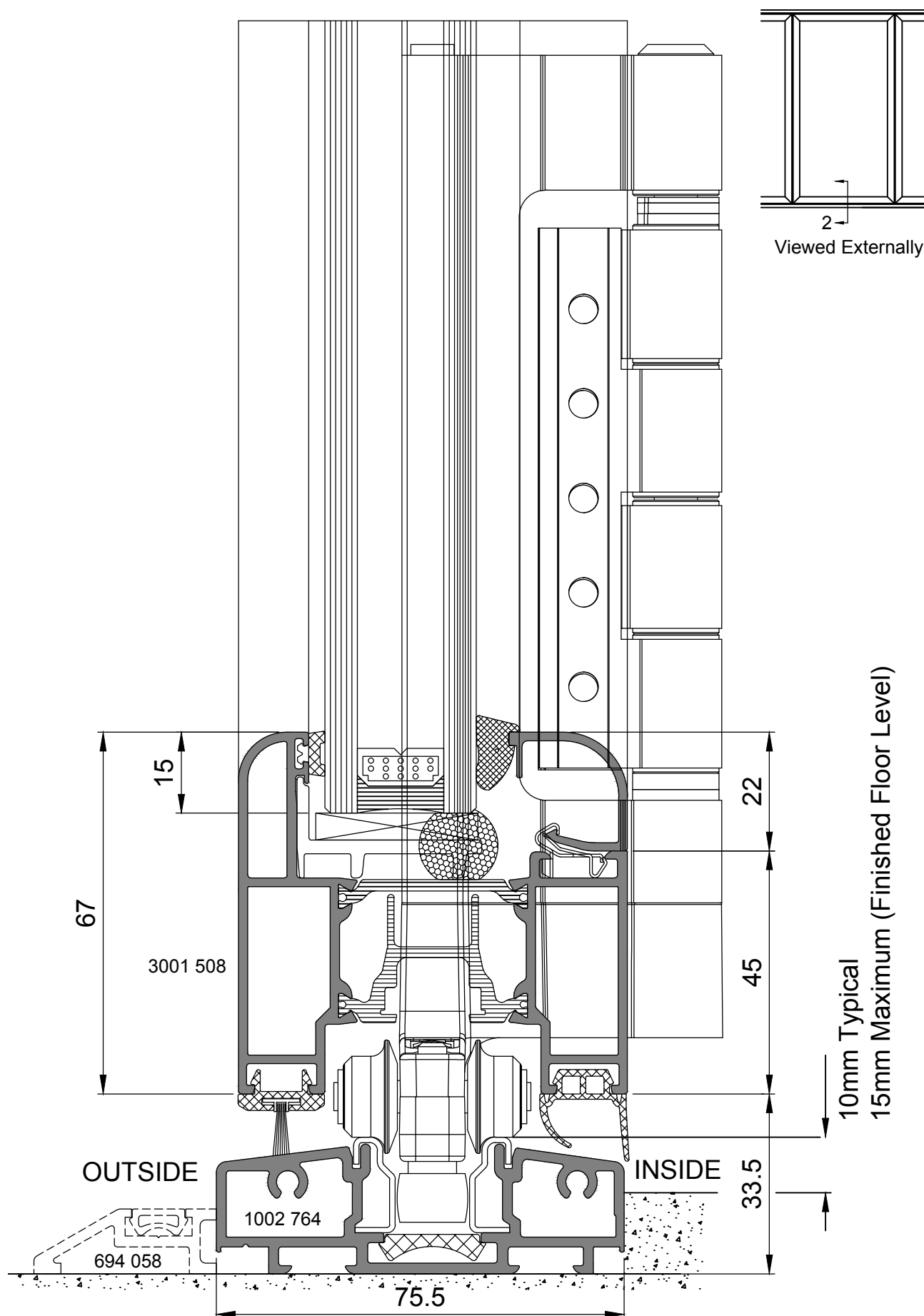
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Open-In (3001 508), Rebated Threshold with roller gear and track.





Open-In (3001 508), Rebated Threshold with roller gear and track.

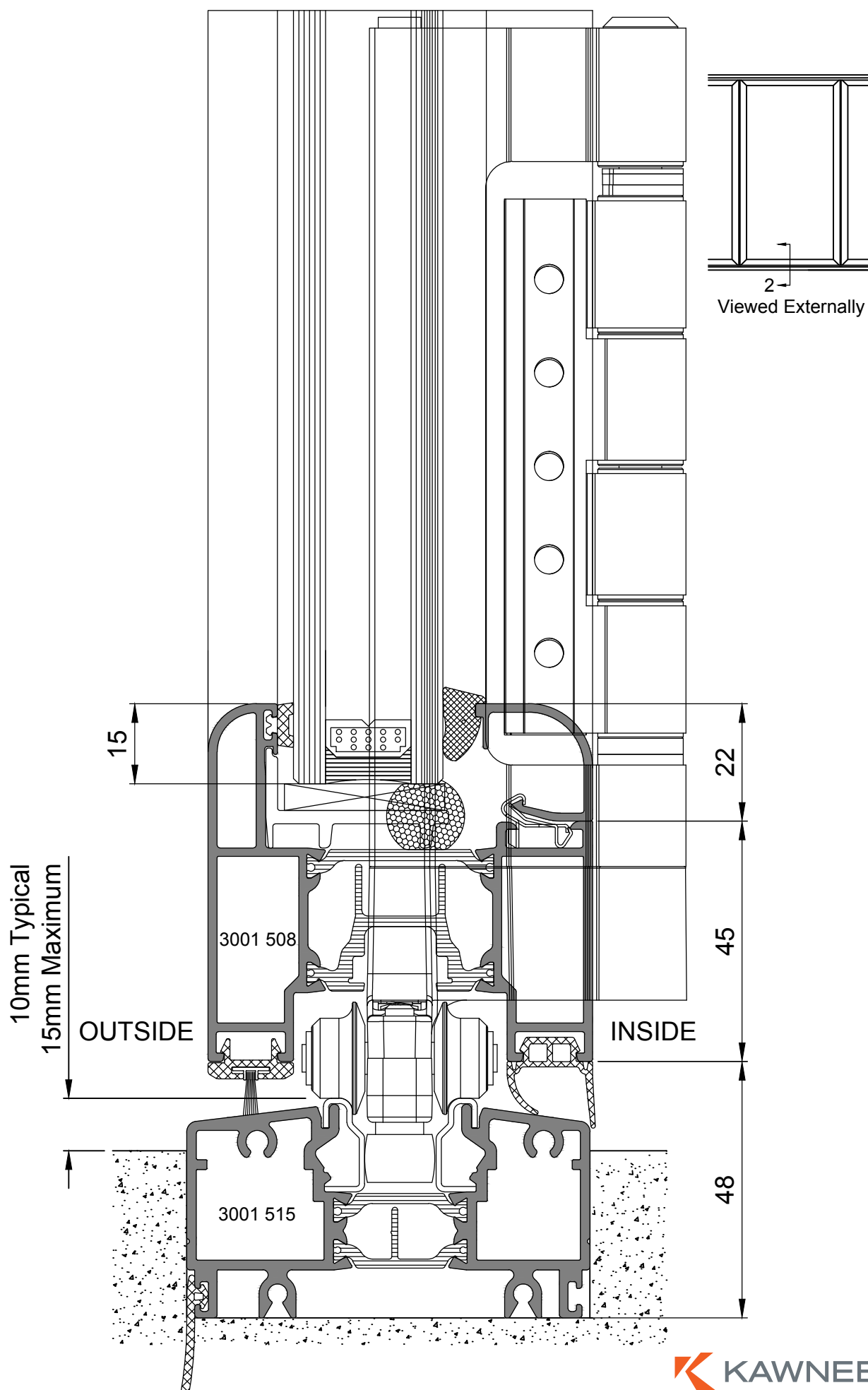


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Open-In (3001 508), Sunken Threshold with roller gear and track.

Issue A

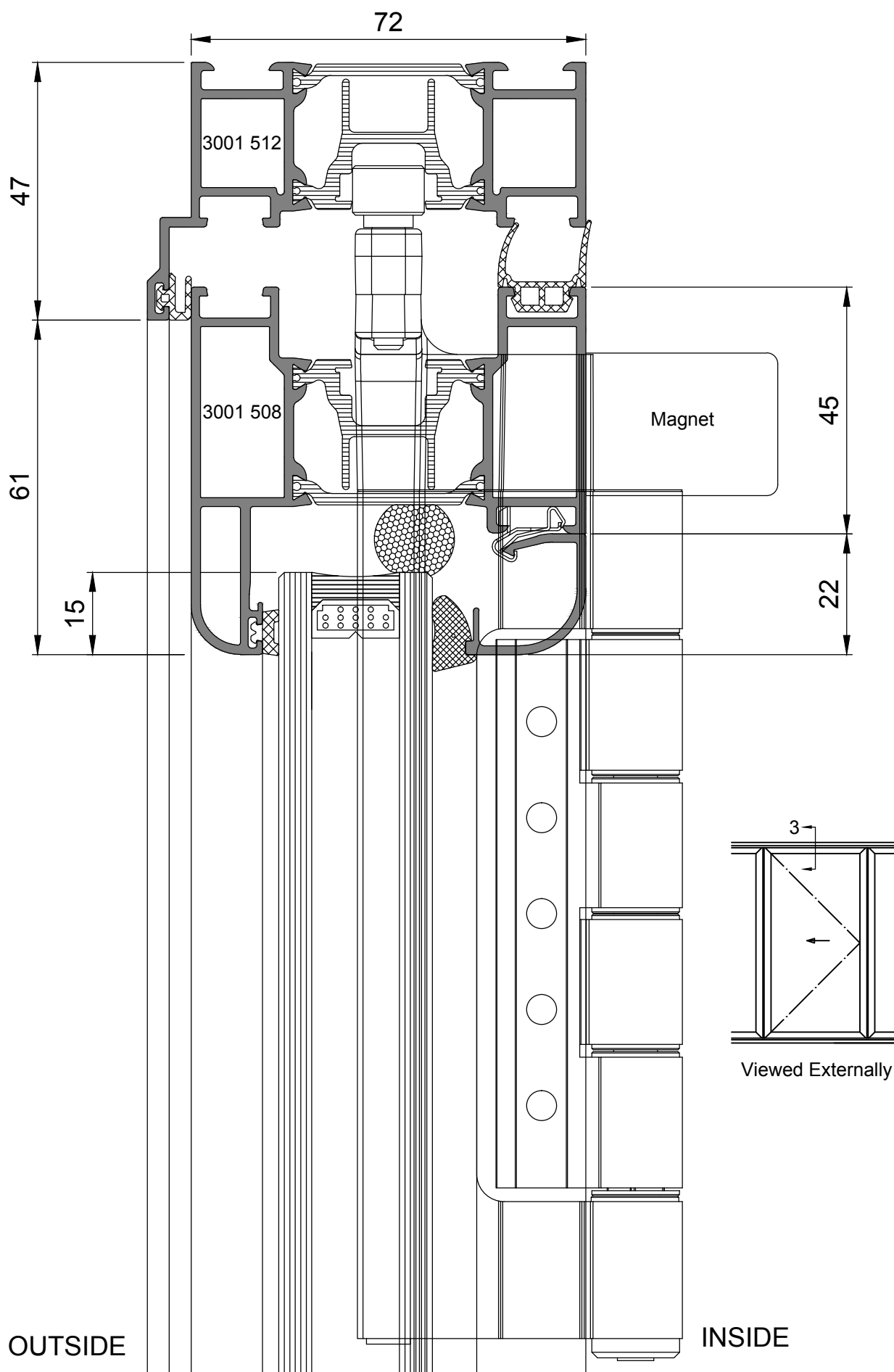


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Uk_AA3720_PMH2_006

Open-In (3001 508), Head with magnet.

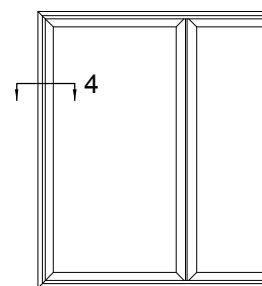


Kawneer's continuous development and engineering programmes may bring about product changes. Kawneer reserve the right to introduce without notice such changes which will not detract from the product's performance.

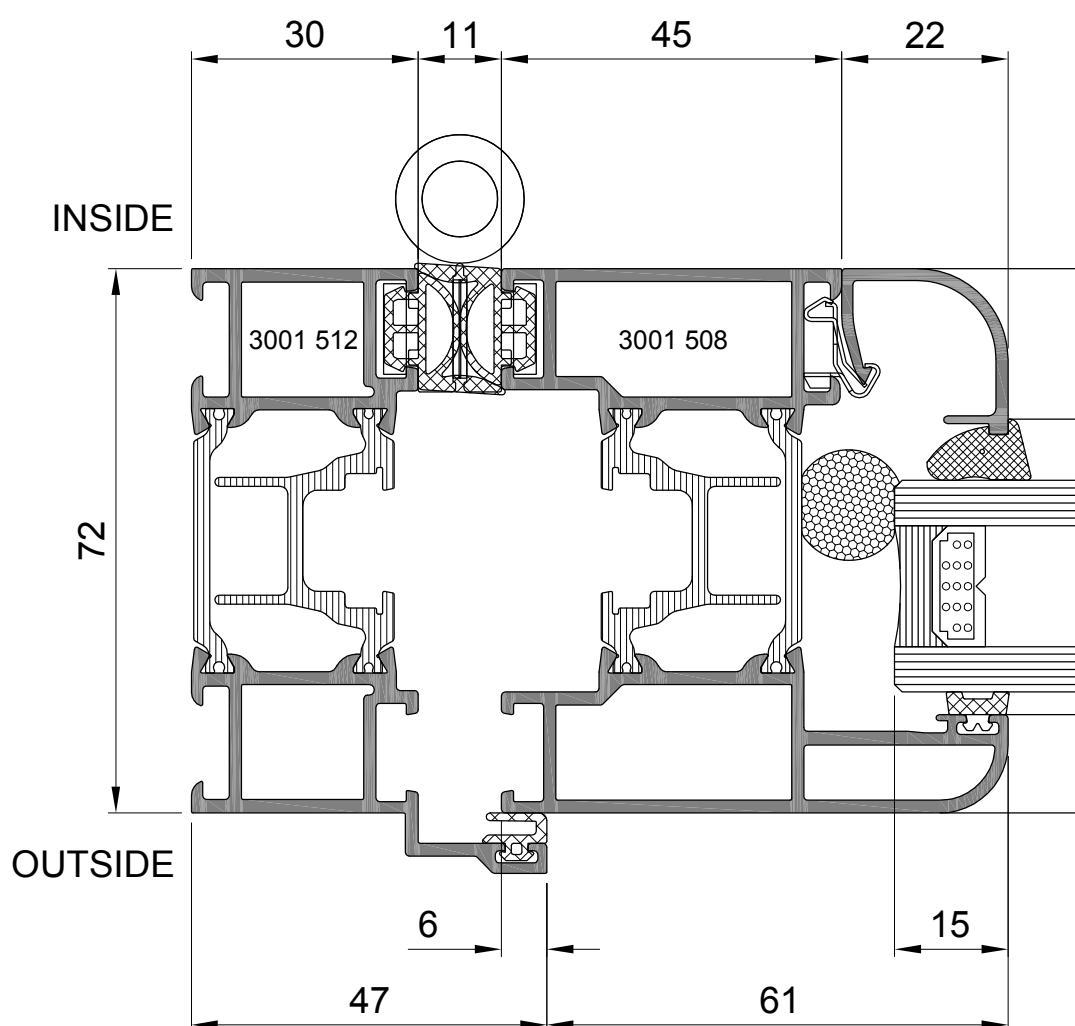
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Open-In (3001 508), Frame, panel with hinge (internal).

Issue A



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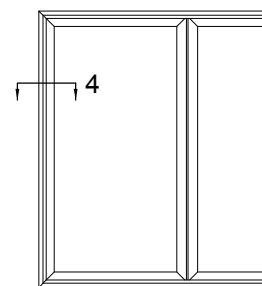


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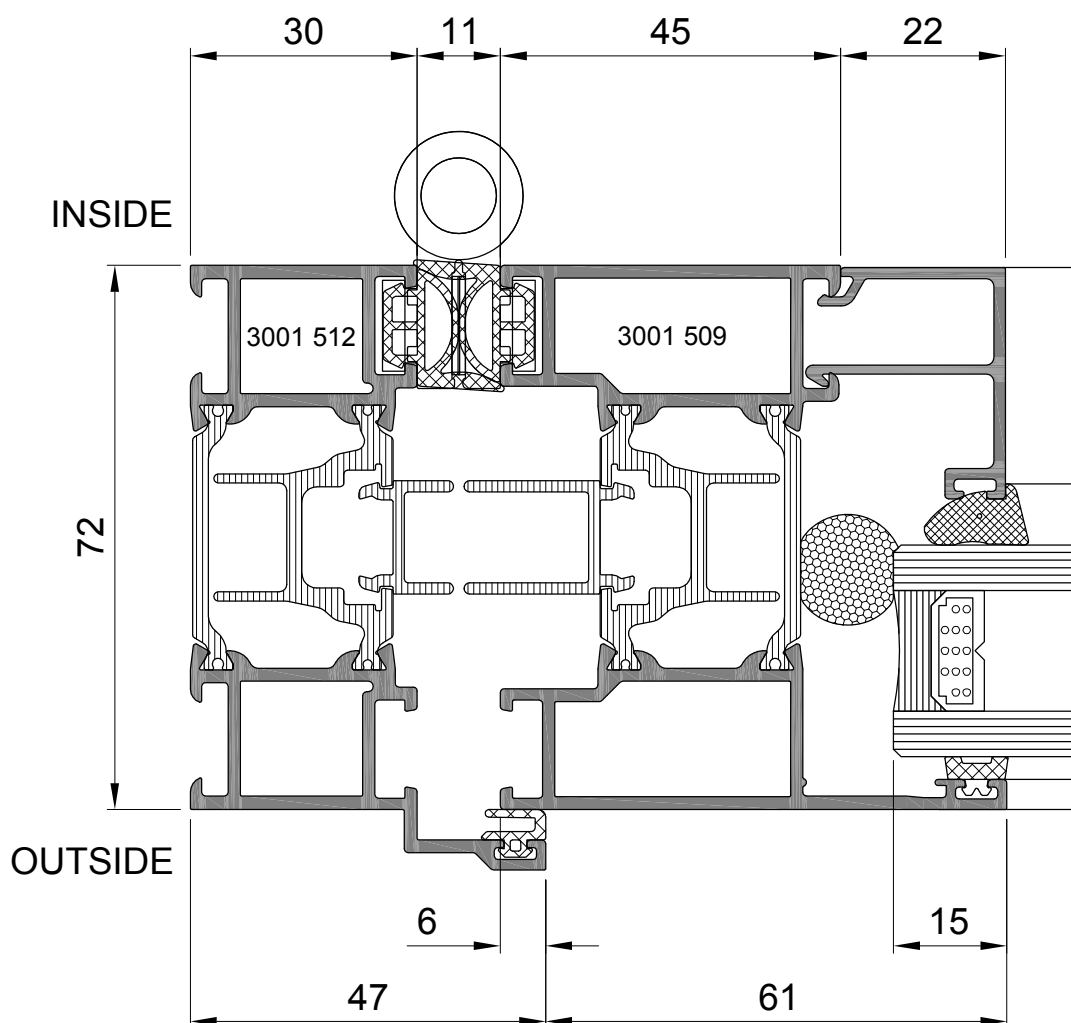
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Open-In (3001 509), Frame, panel with hinge (internal).
Thermally enhanced detail.



Viewed Externally

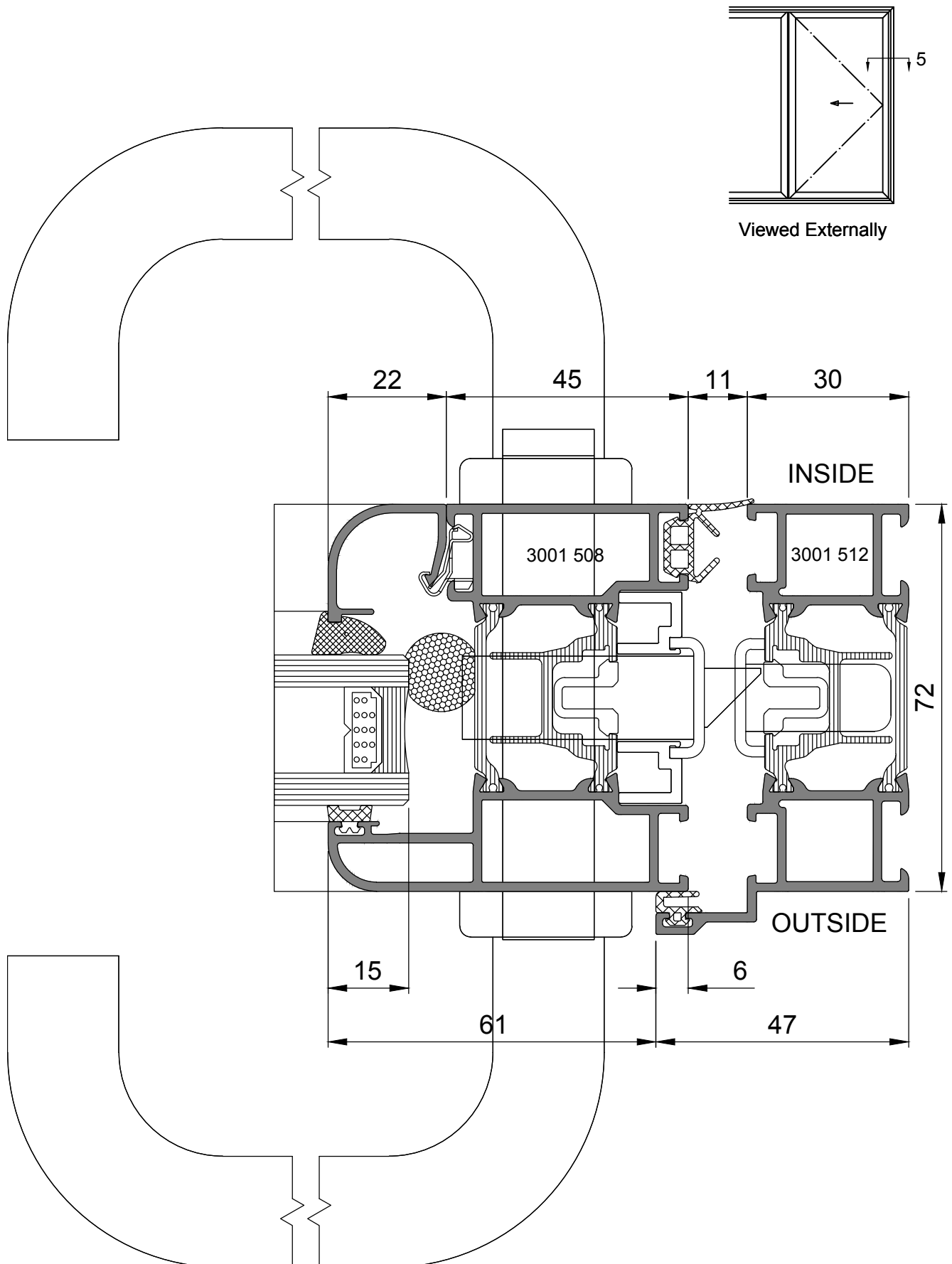


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Open-In (3001 508), Frame, panel with latch lock/handles.

Issue A

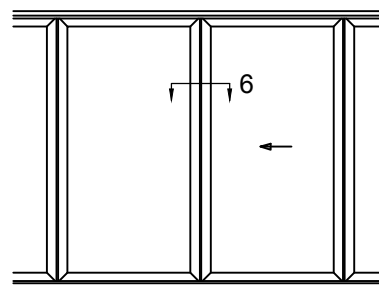


Kawneer's continuous development and engineering programmes may bring about product changes. Kawneer reserve the right to introduce without notice such changes which will not detract from the product's performance.

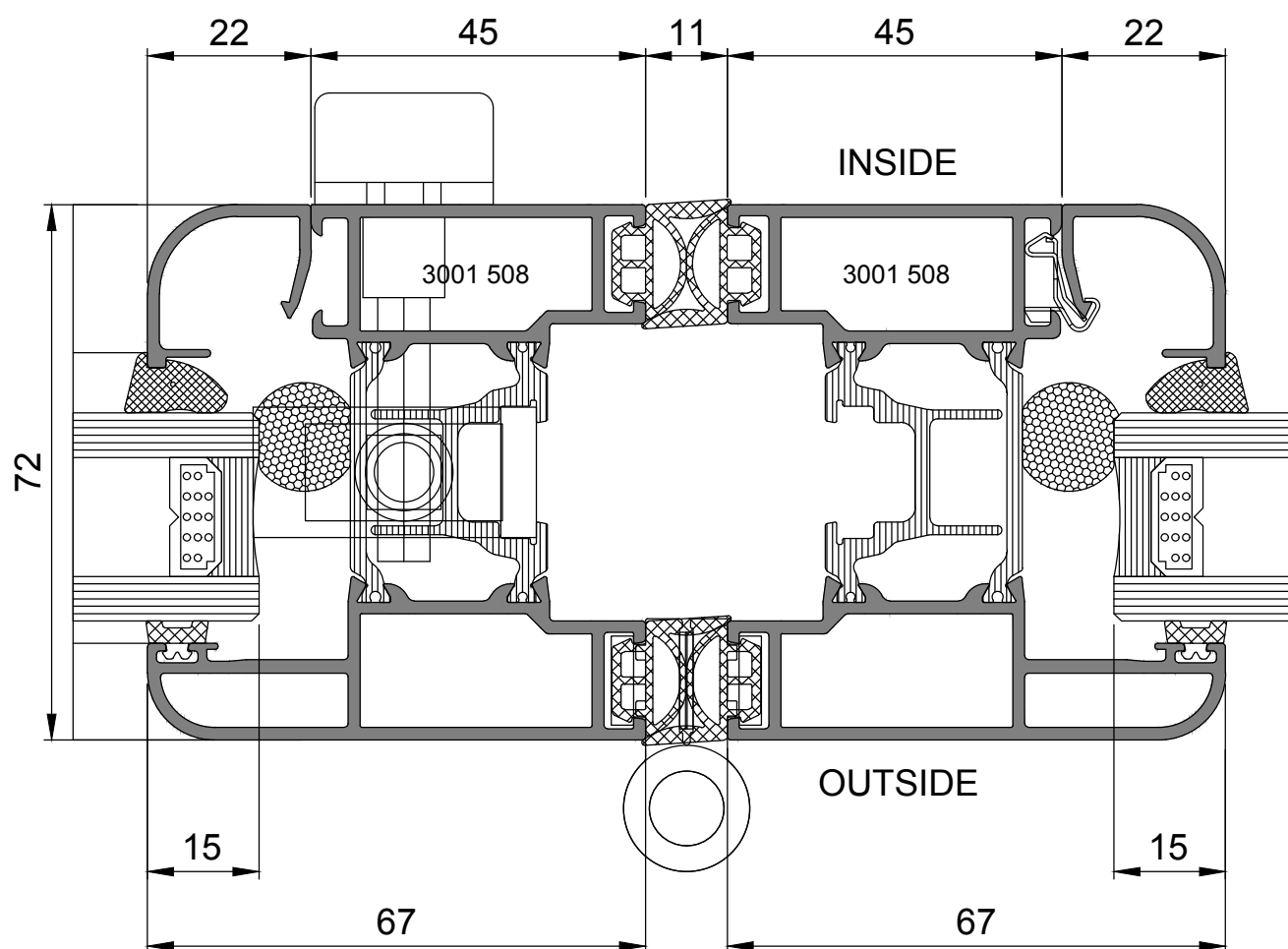
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Open-In (3001 508), External hinge/handle with shoot bolt.



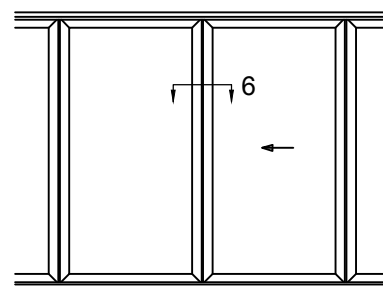
Viewed Externally



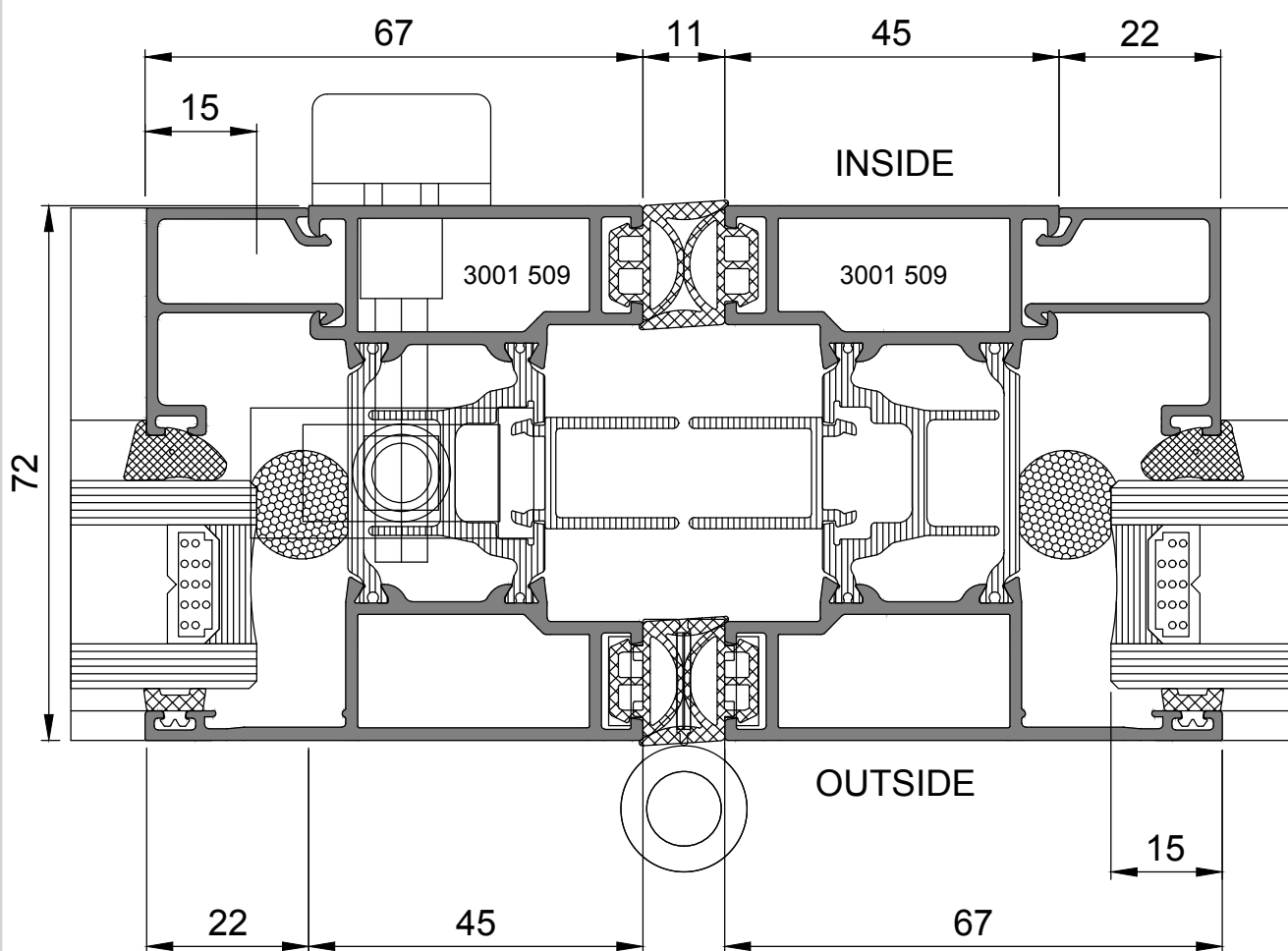
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Open-In (3001 509), External hinge/handle with shoot bolt.
Thermally enhanced detail.



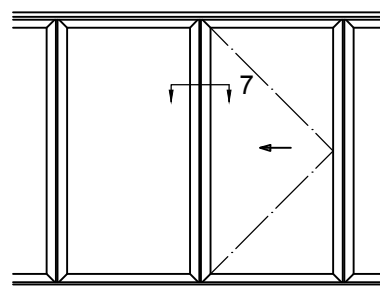
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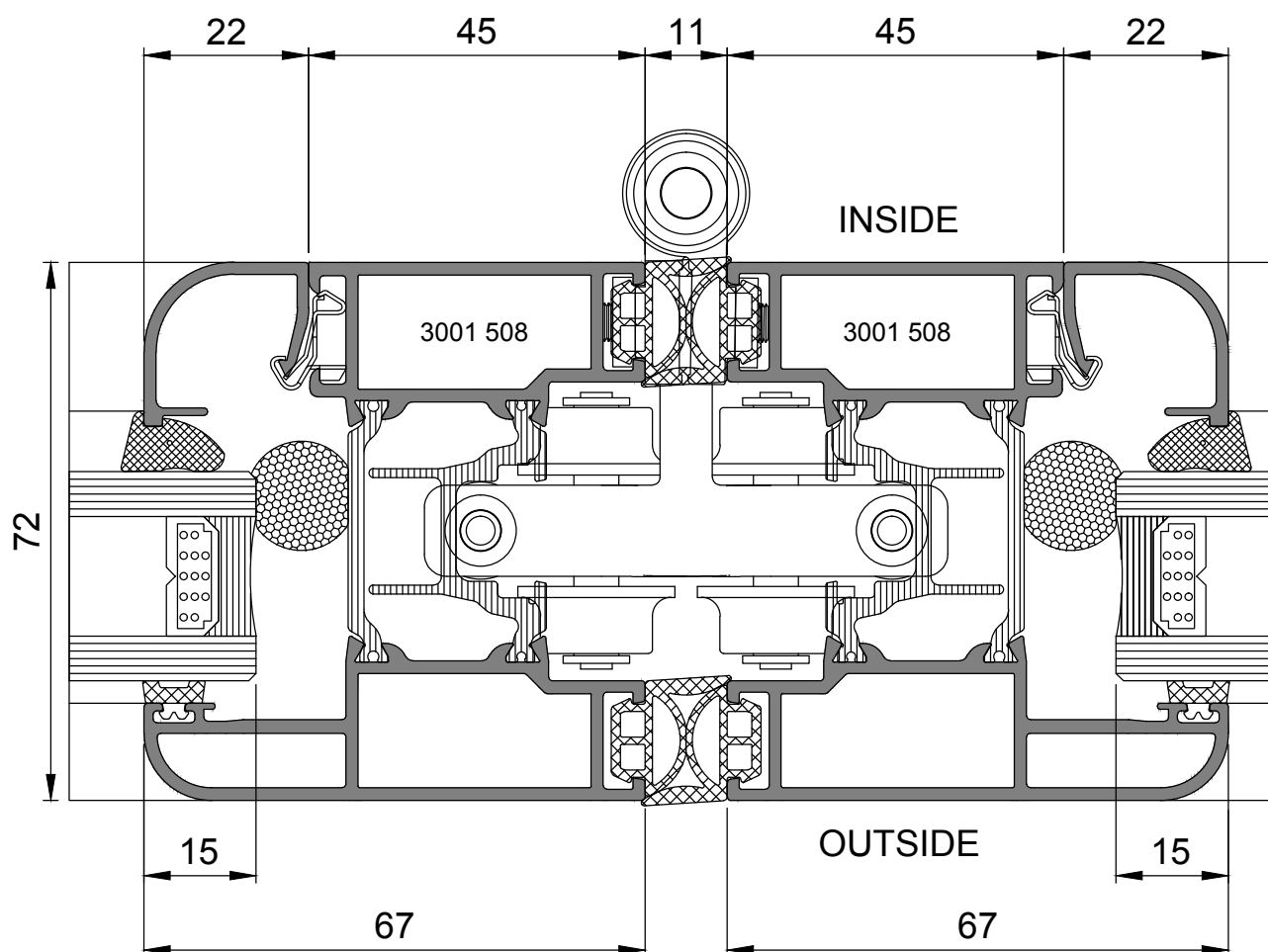
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Open-In (3001 508), Panel/panel, roller set double and hinge internal.



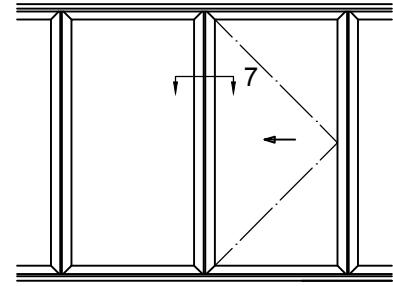
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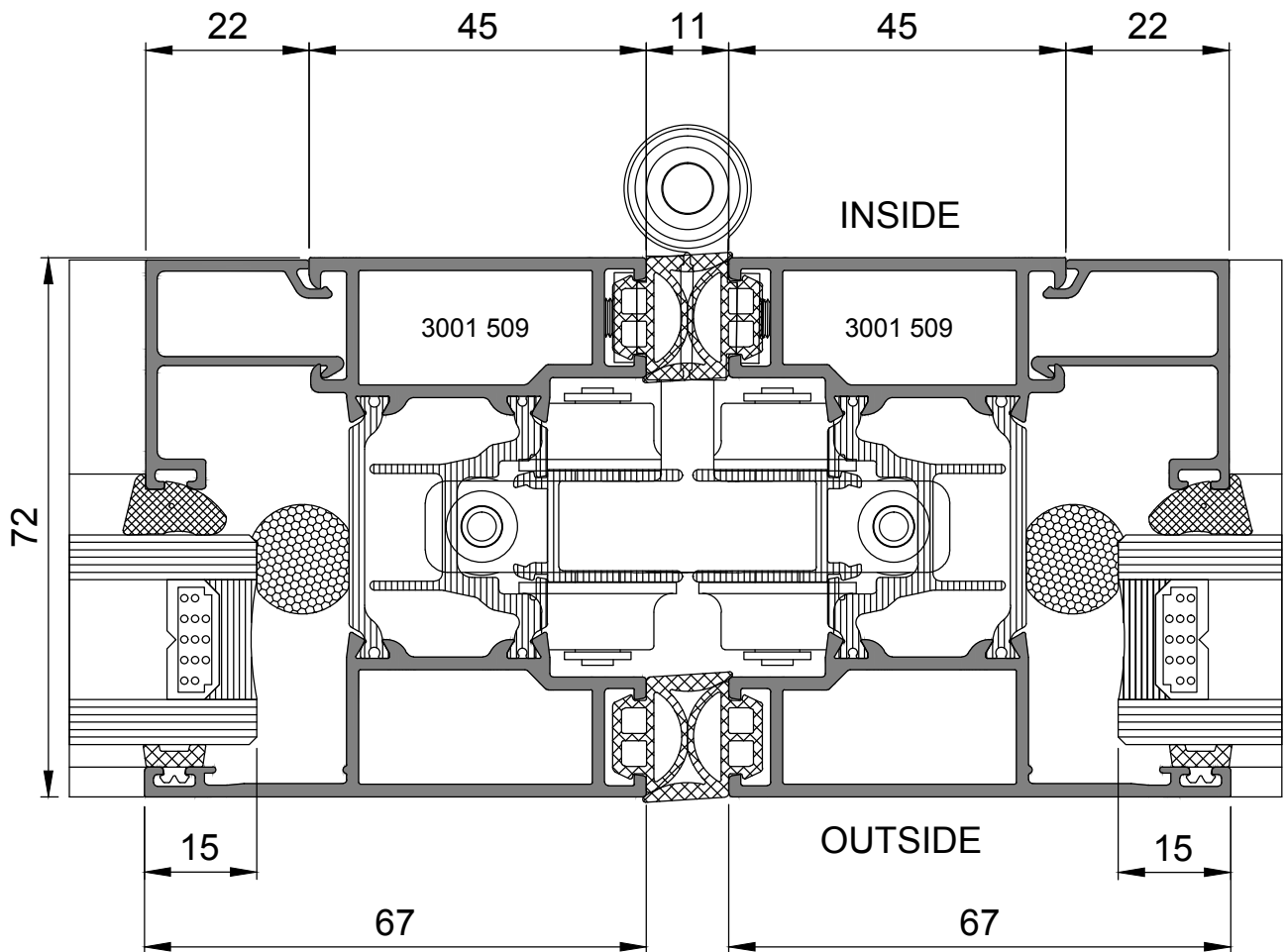
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Open-In (3001 509), Panel/panel, roller set double and hinge internal.
Thermally enhanced detail.



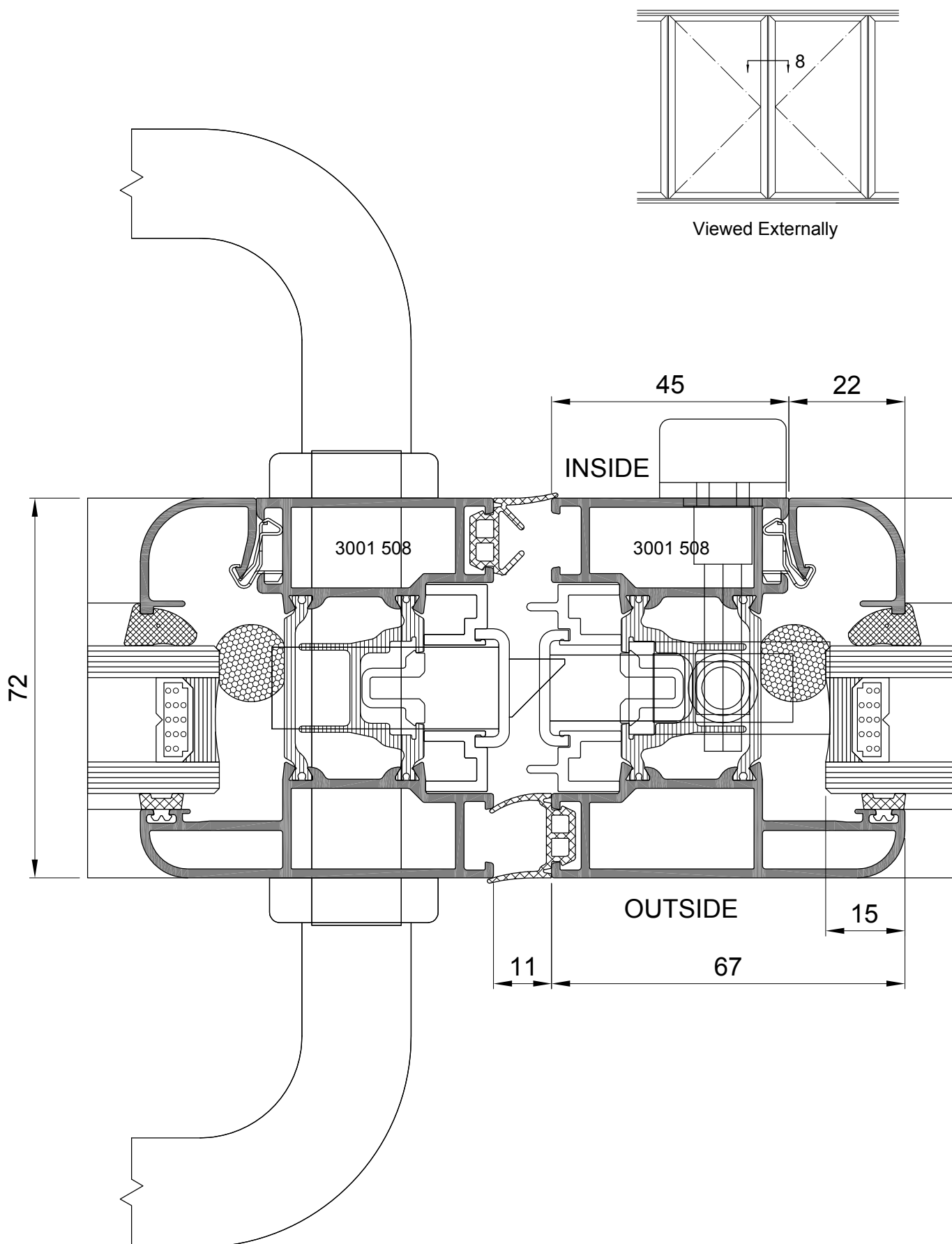
Viewed Externally



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Open-In (3001 508), Panel/panel, latch lock/handles/shoot bolt.

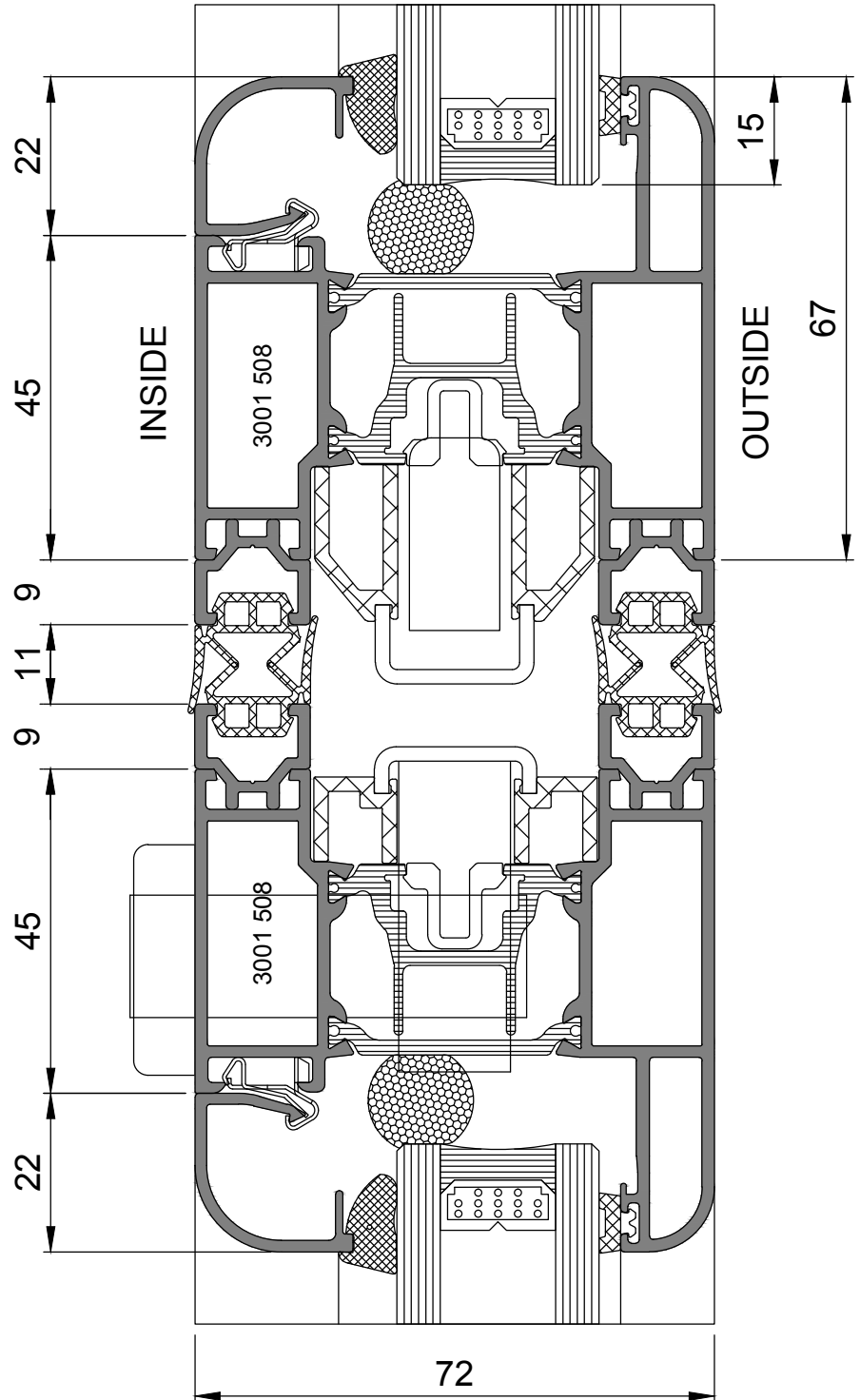
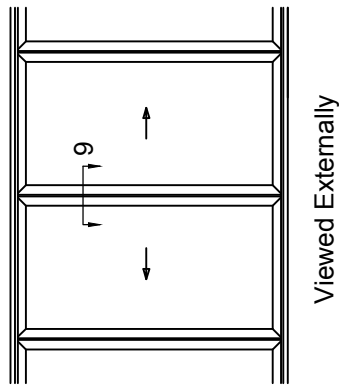


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Open-In (3001 508), Panel/panel, latchless lock.

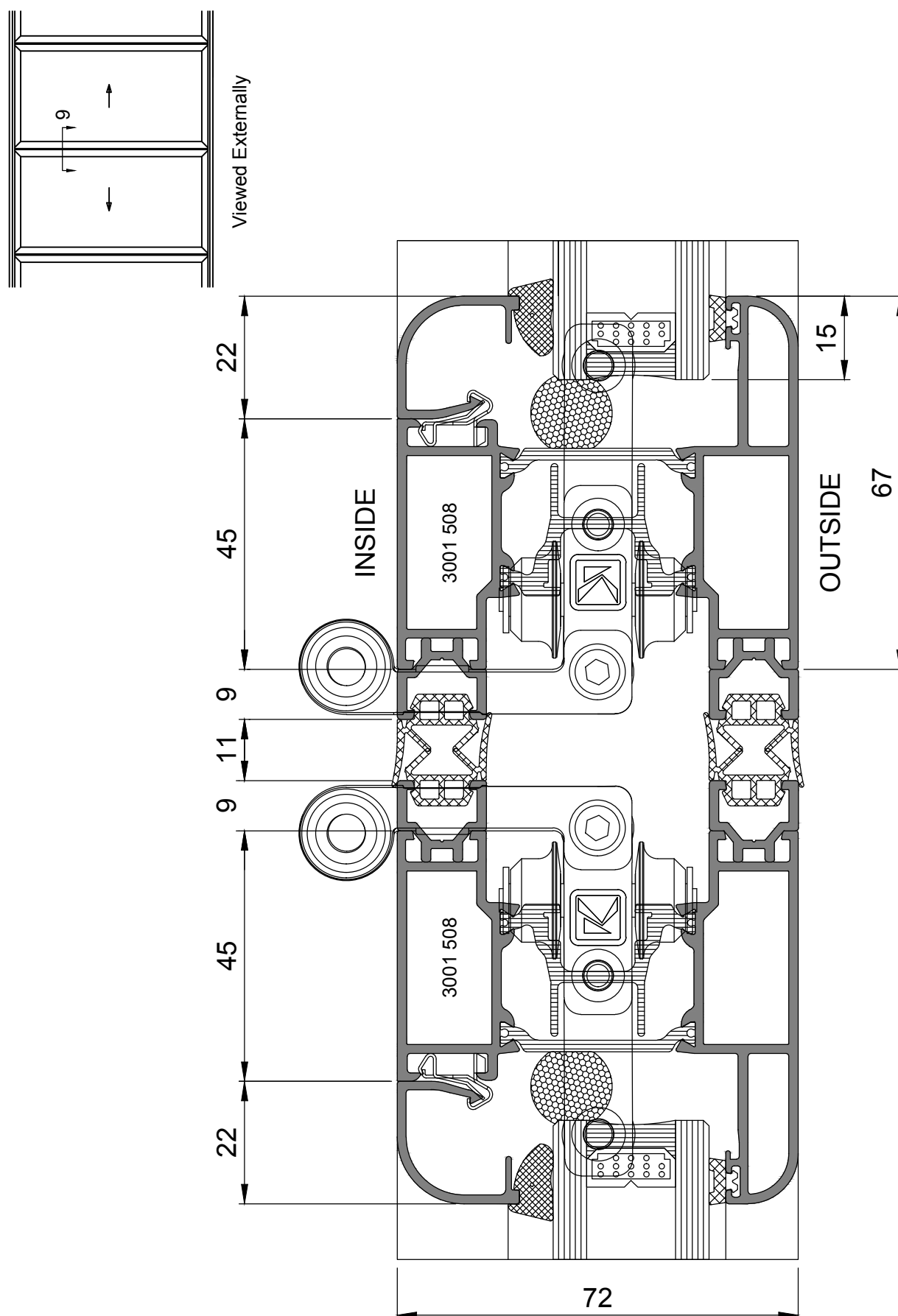
Issue A



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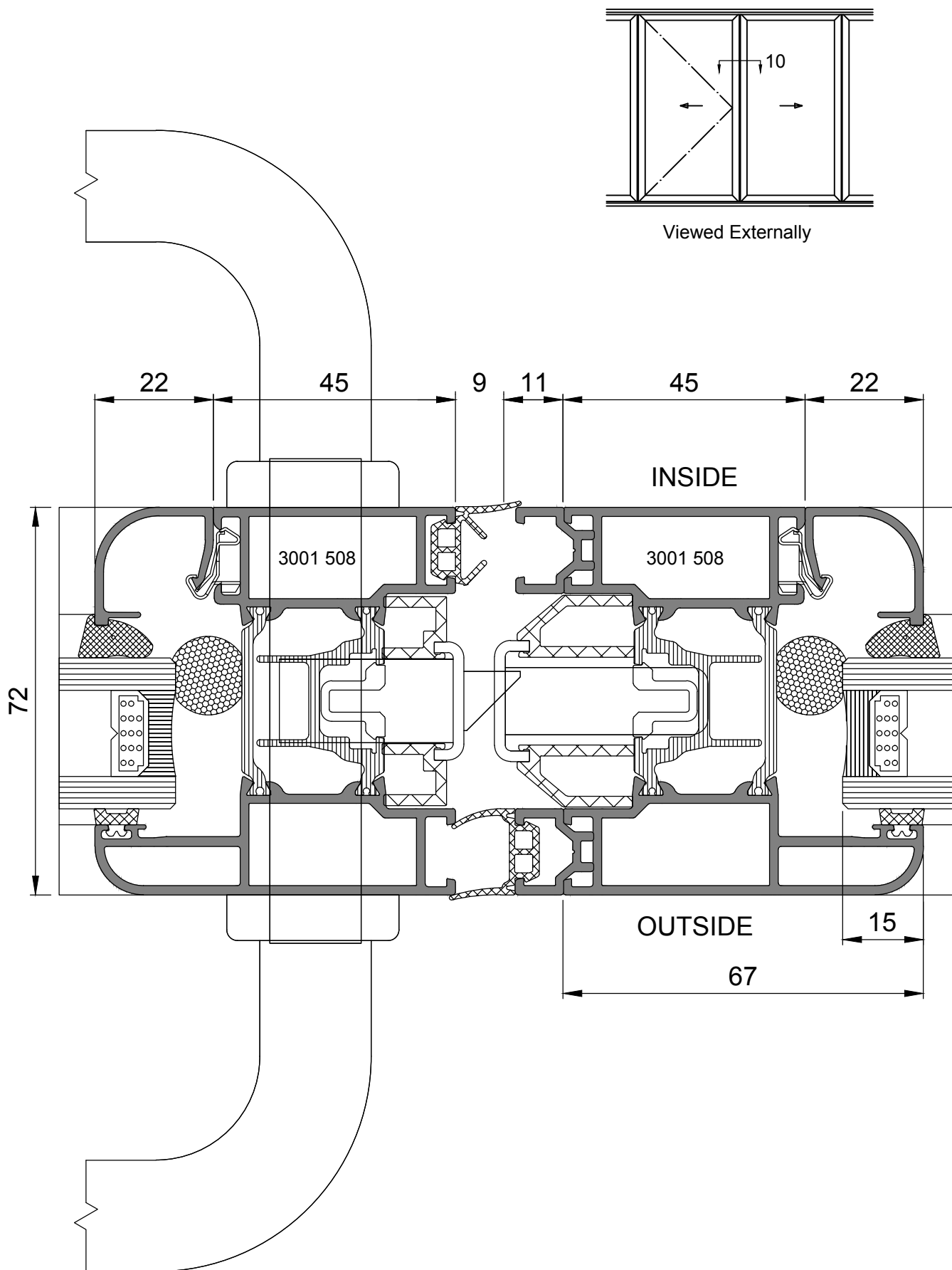
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Open-In (3001 508), Panel/panel, roller set single (both sides).



Open-In (3001 508), Panel/panel with latch lock.

Issue A

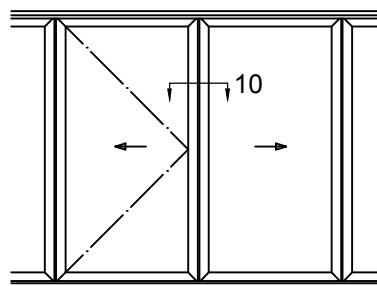


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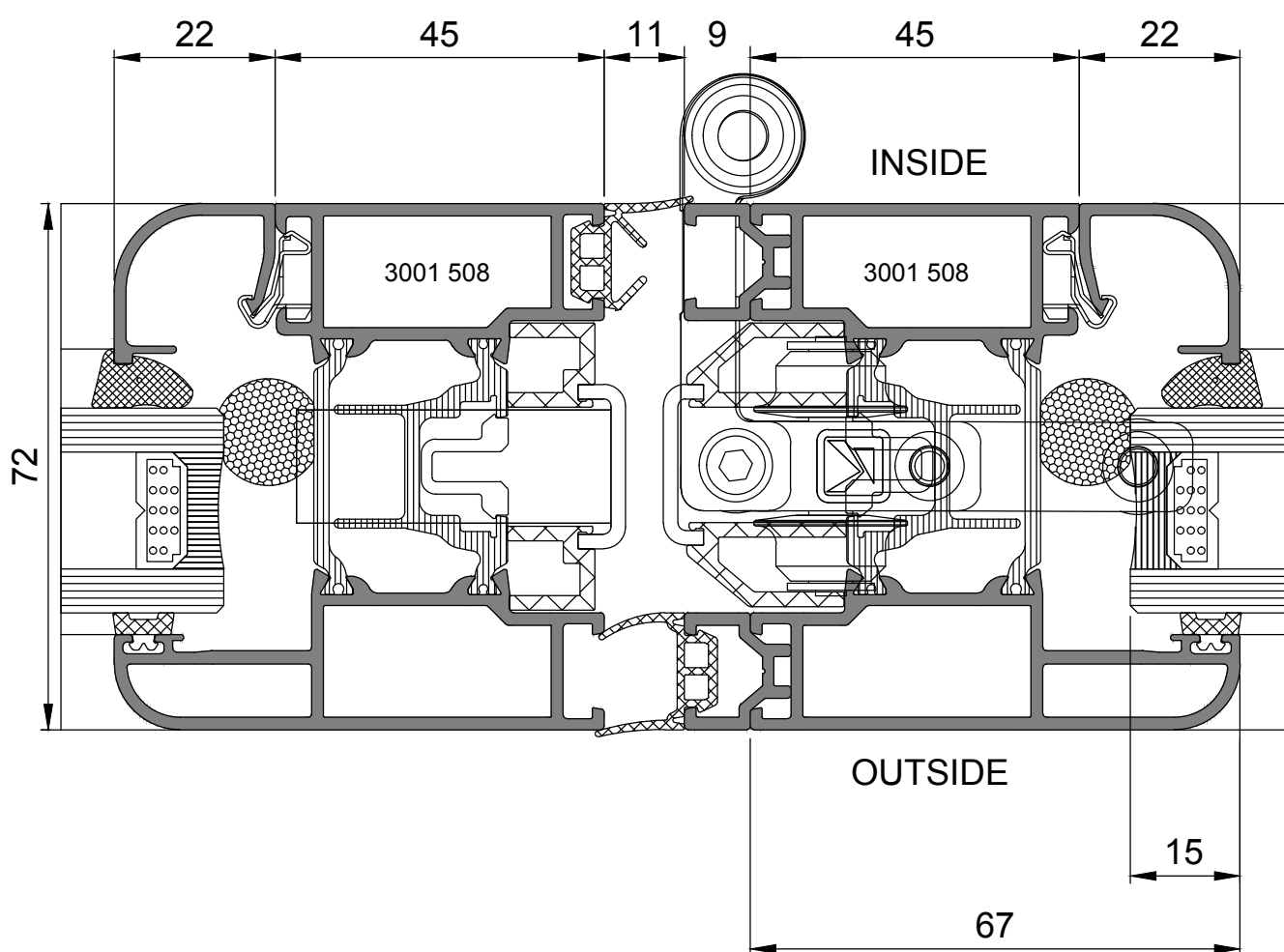
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Open-In (3001 508), Roller set single.



Viewed Externally

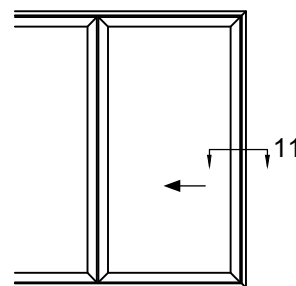


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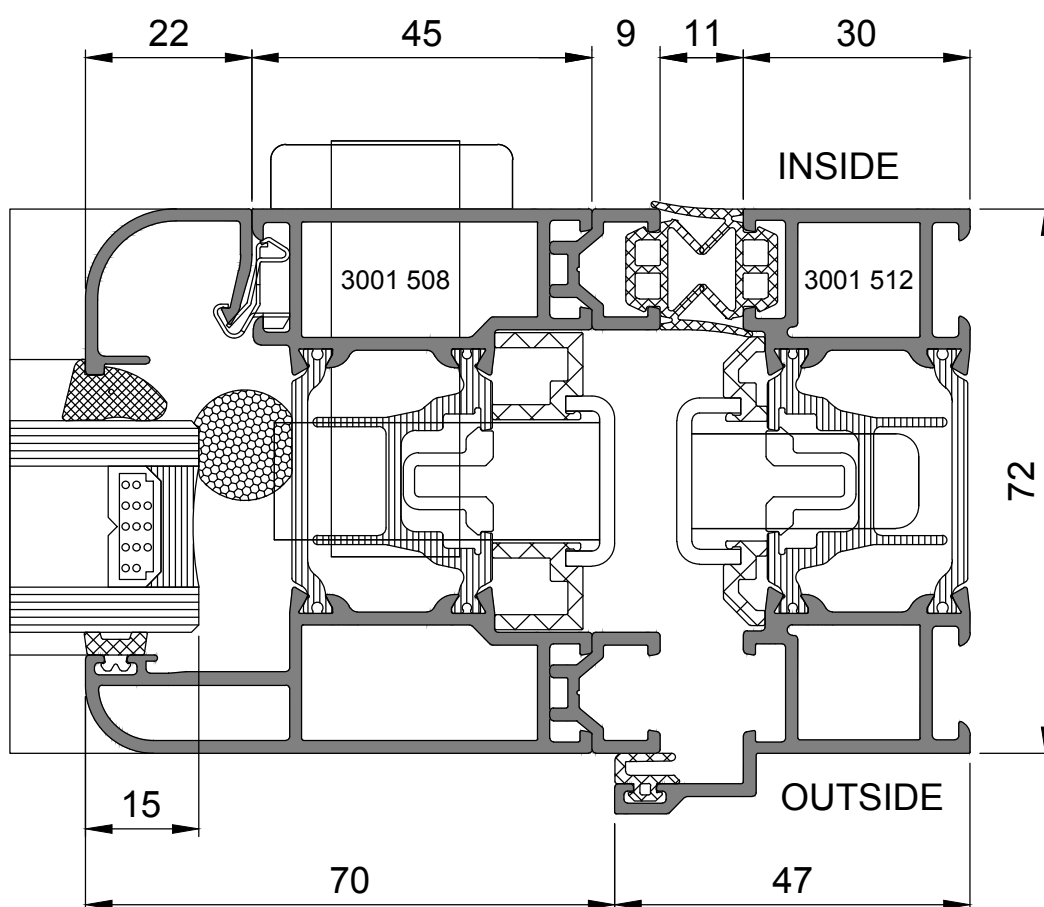
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Open-In (3001 508), Frame/panel, latchless lock.

Issue A



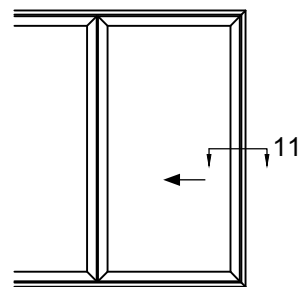
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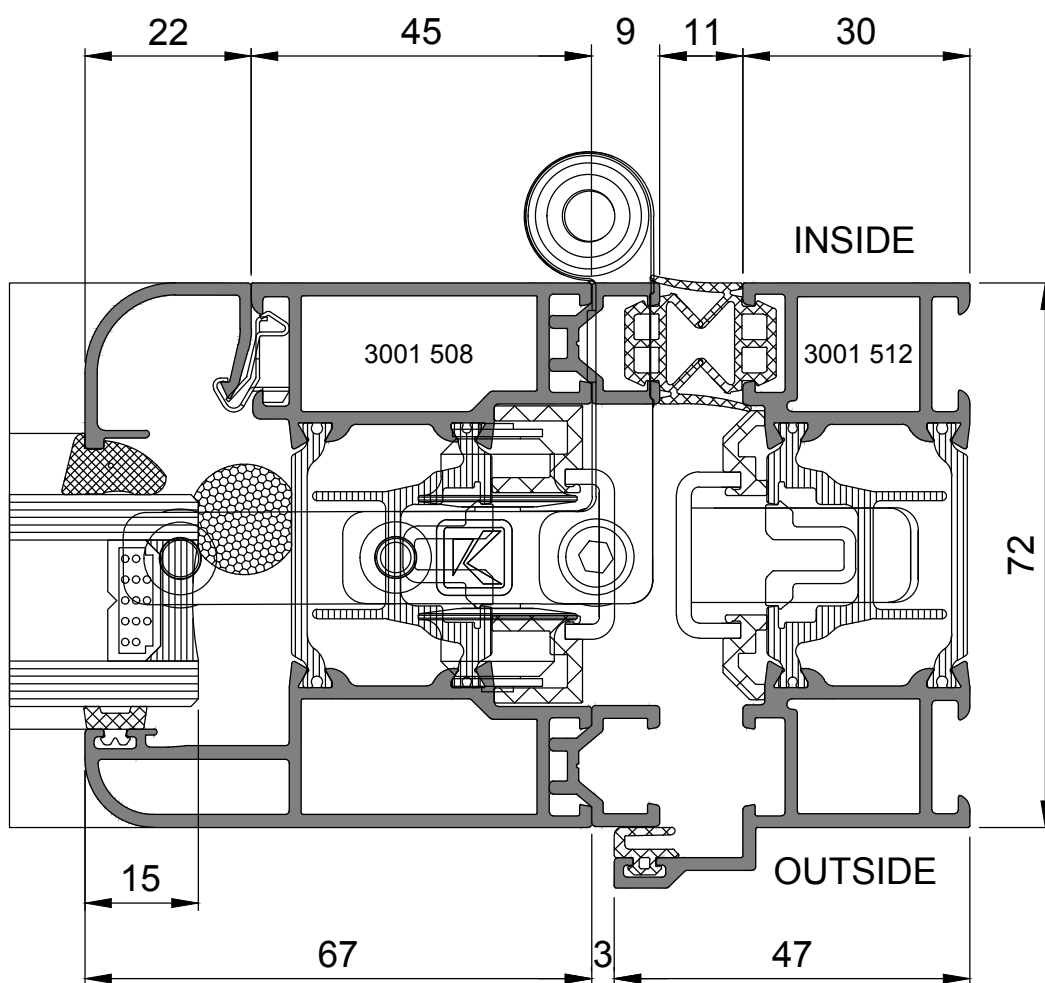
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Open-In (3001 508), Frame/panel with roller set single.



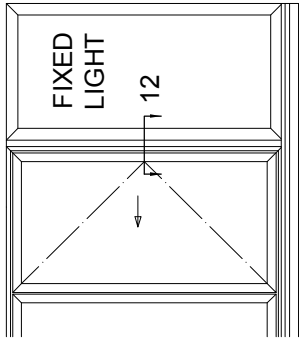
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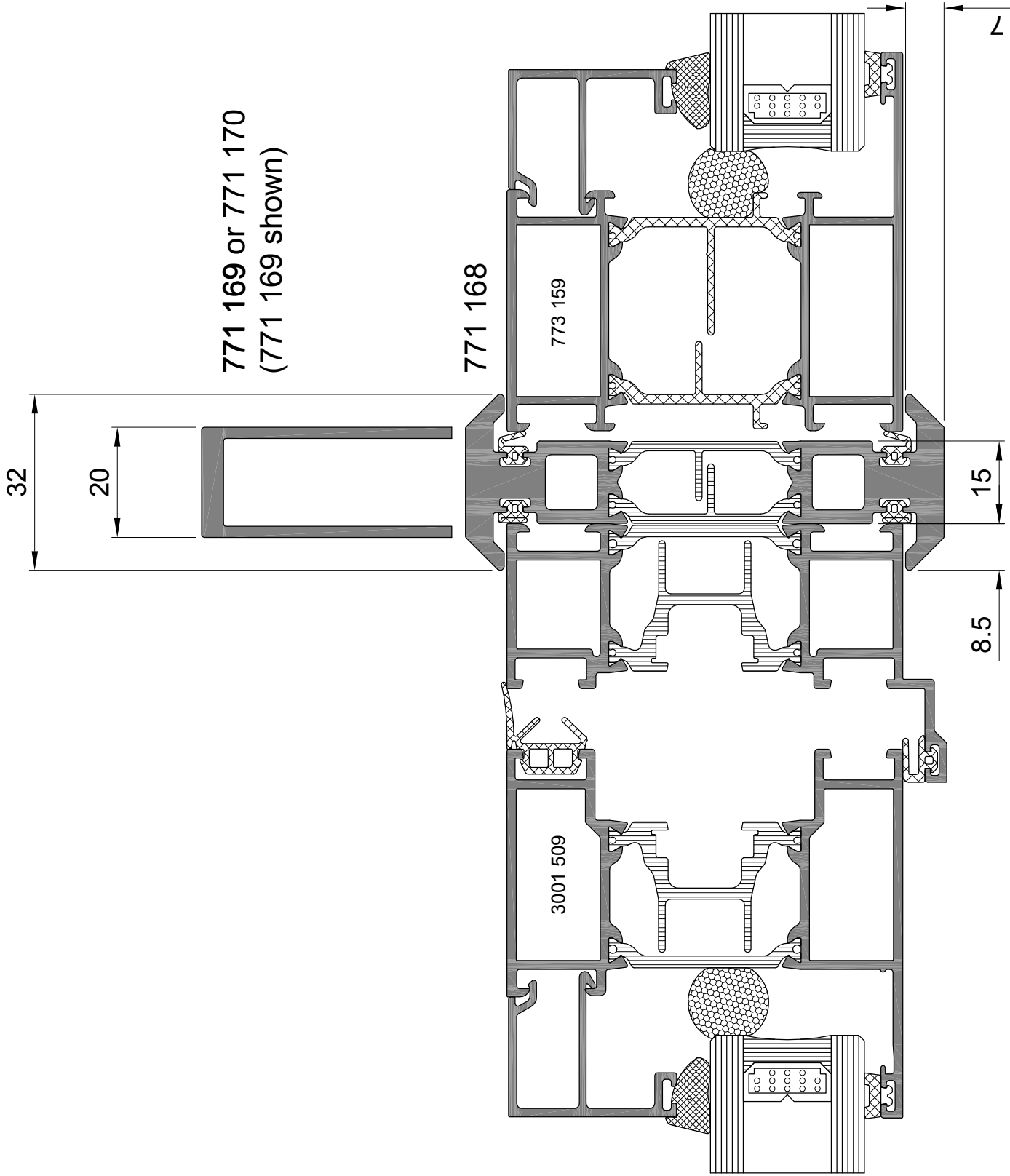
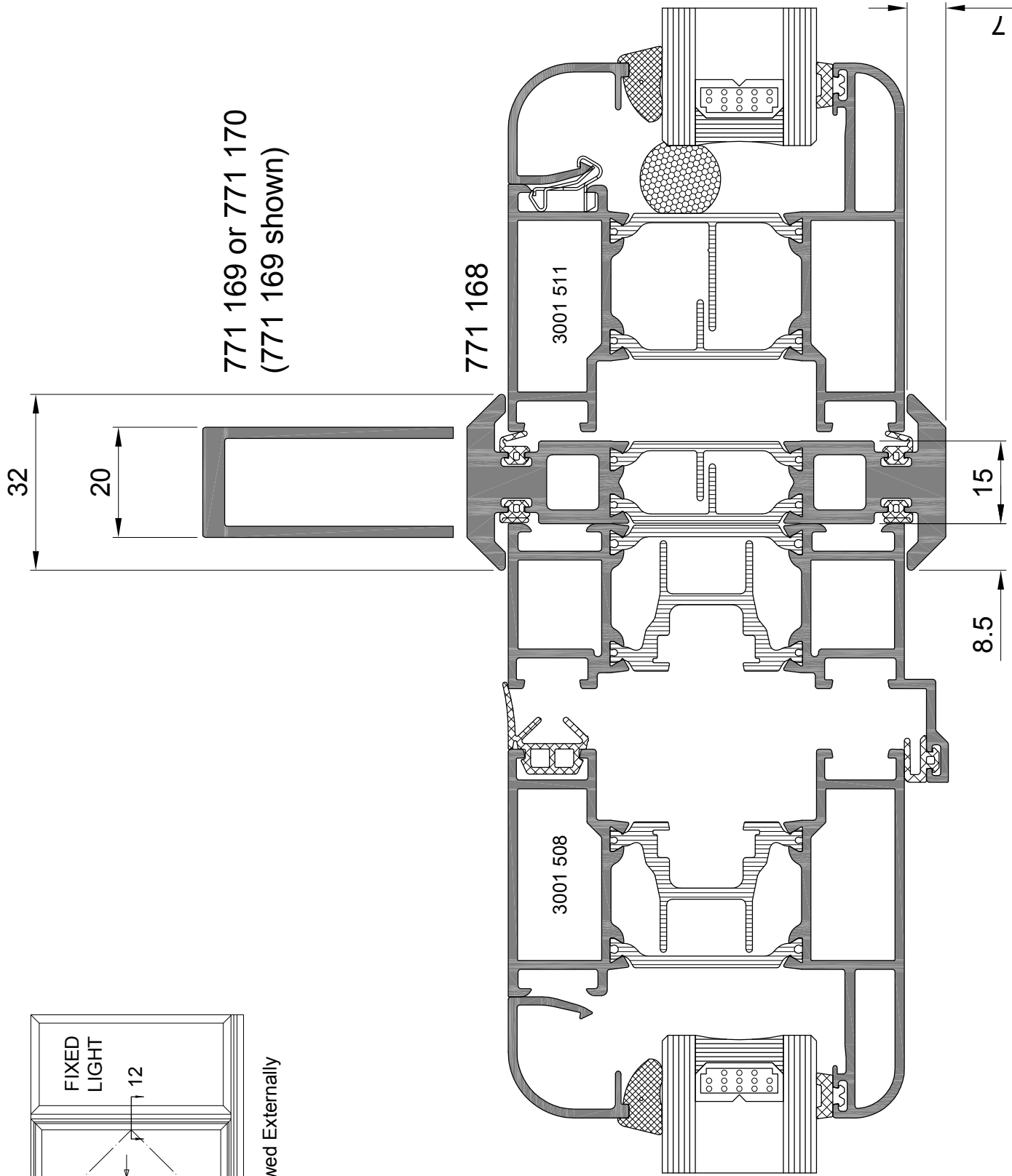
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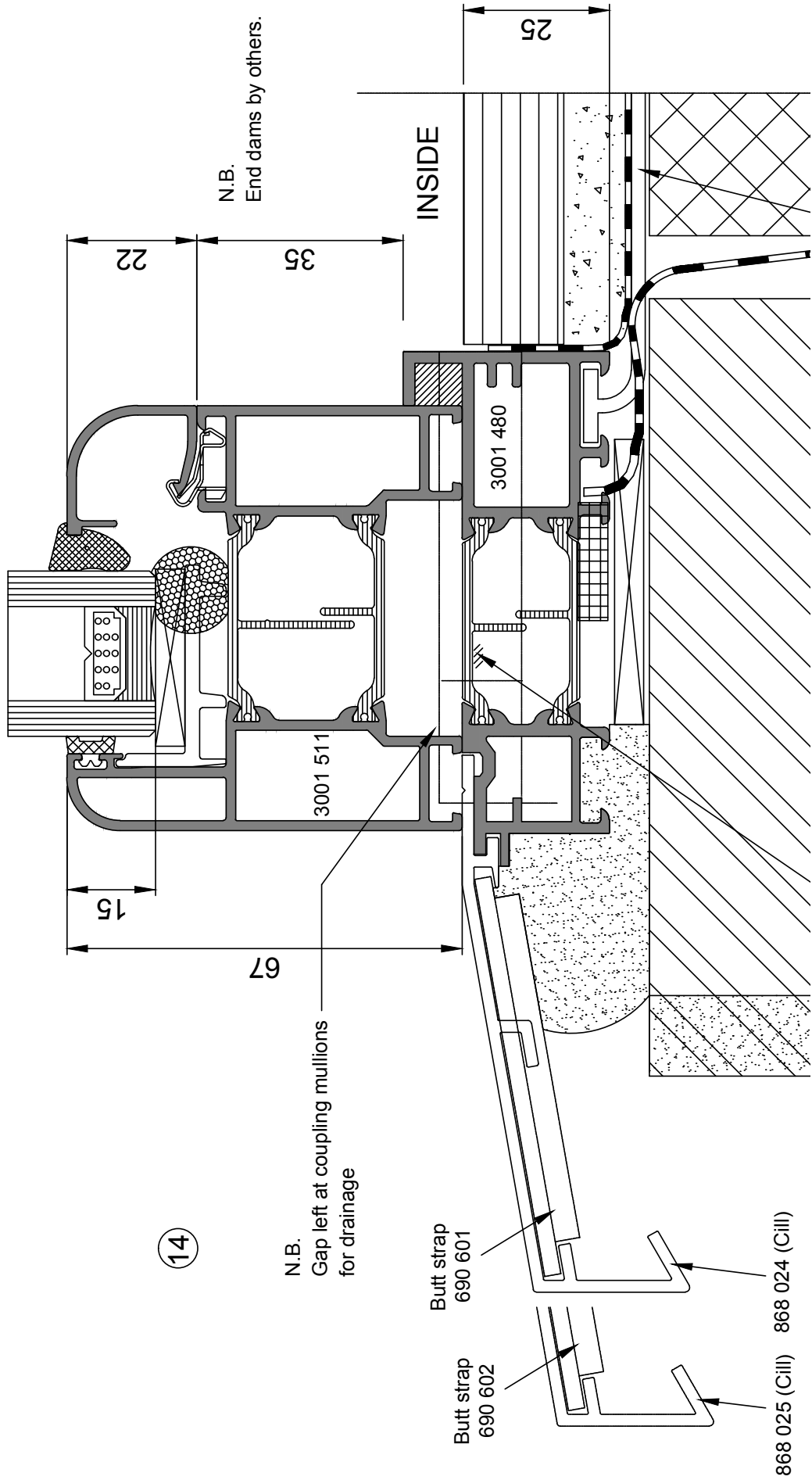
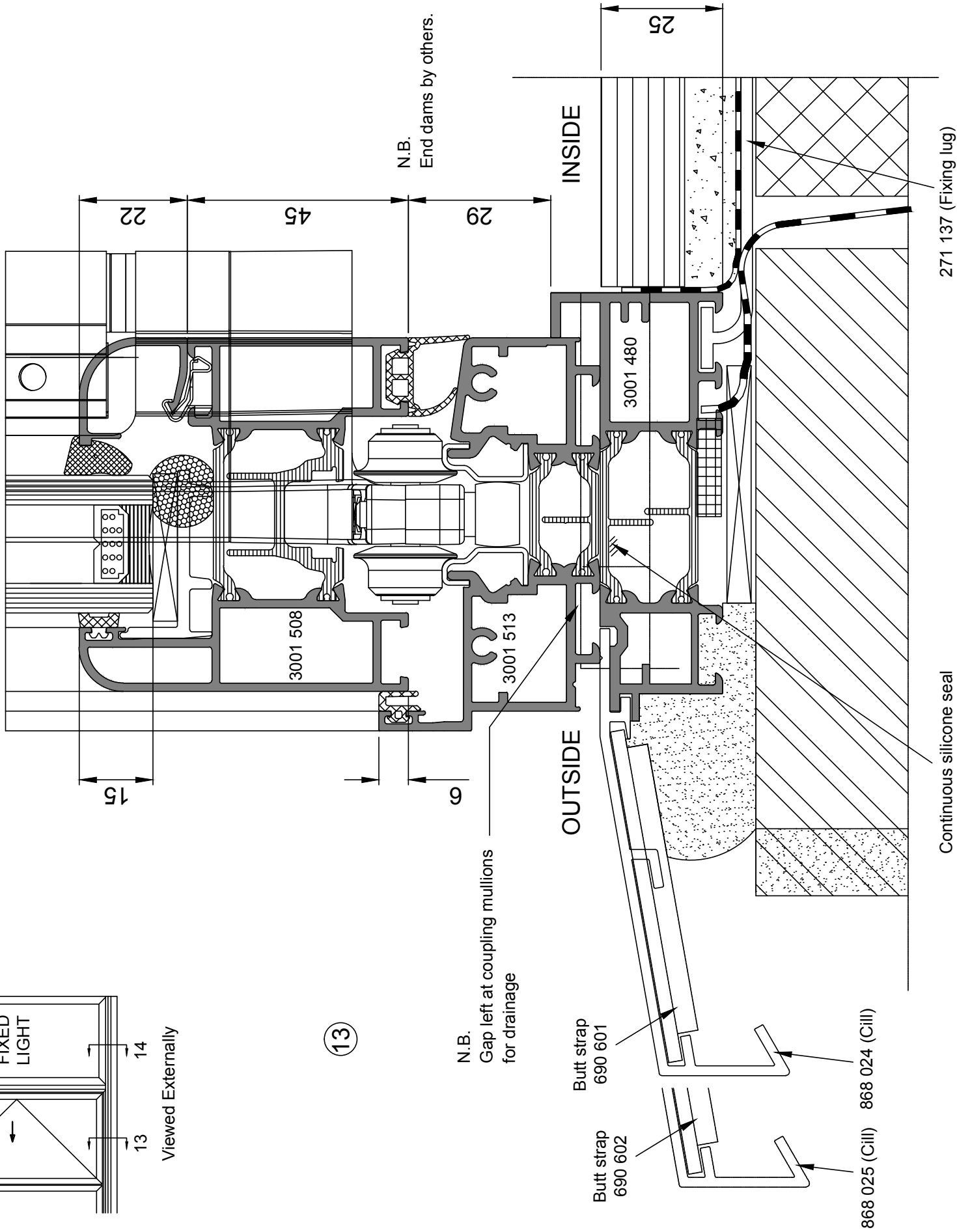
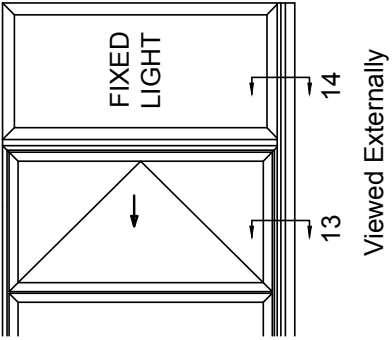
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Open-In (3001 508 and 3001 509), Coupling arrangements.



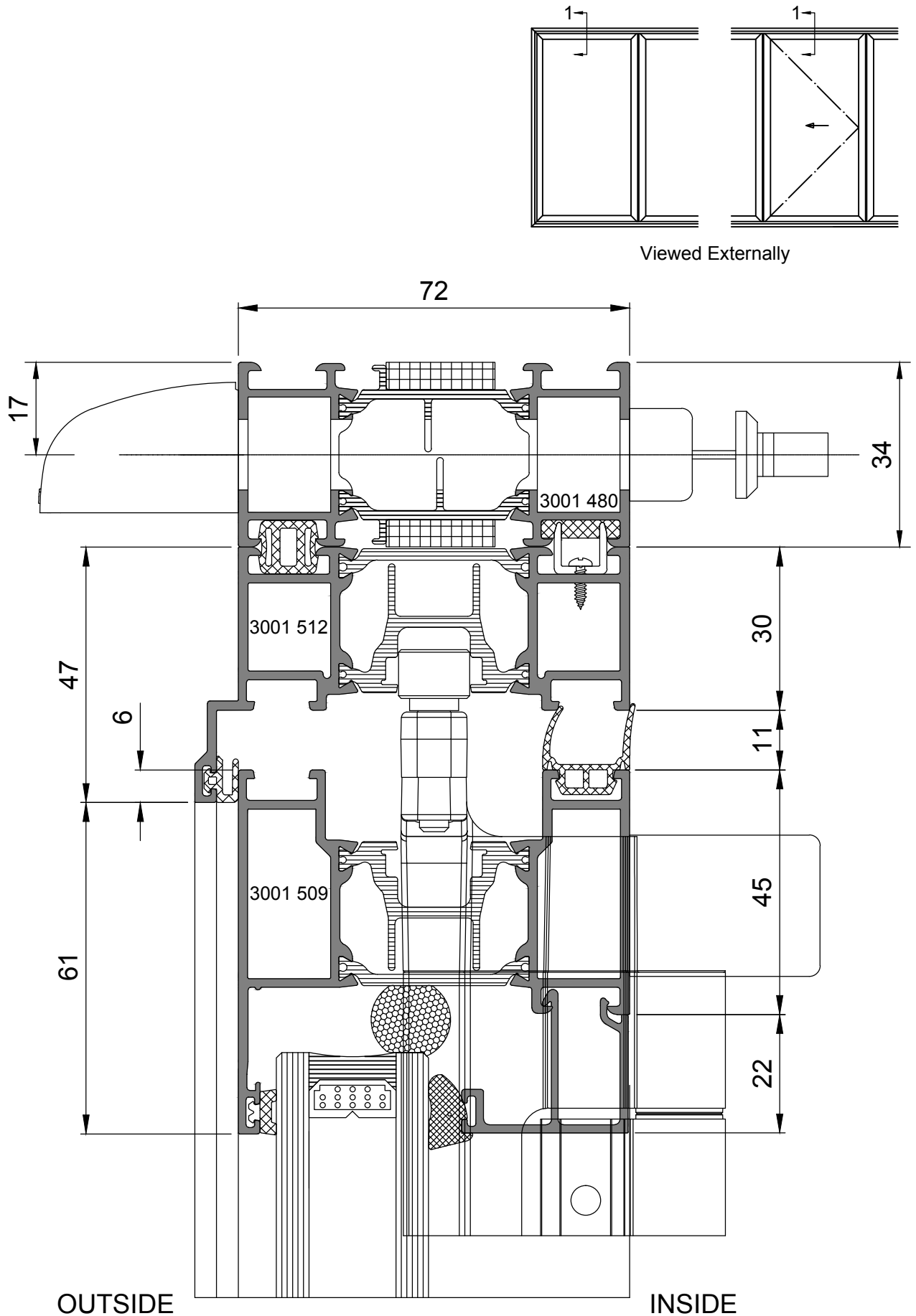
Viewed Externally





Open-In (3001 509), Trickle vent arrangement.

Issue A



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