



ICON™
SLIDING DOOR

General Documentation Disclaimer

This manual is intended as a manufacturing and installation advisory document. For correct specifications, sizing of profiles and structural information please consult the StarFront Application. If the information you require is not available through the StarFront Application, please contact your stockist before proceeding. It is advisable to have all sizing and performance criteria checked by a qualified structural engineer to ensure that the required criteria will be met.

All information, recommendations or advice contained in this documentation is given in good faith to the best of Wispeco's knowledge and is based on current procedures in effect.

Since the actual use of this documentation by the user is beyond the control of Wispeco, such use is within the exclusive responsibility of the user. Wispeco cannot be held responsible for any loss incurred through incorrect or faulty use of this documentation. Training of Wispeco systems is important for ensuring correct procedures in the manufacturing of products.

Great care has been taken to ensure that the information provided is correct.

Ensure that you have the latest available manual. The revision number and date can be checked on the latest StarFront version.

Wispeco will accept no responsibility for any errors and/or omissions, which may have inadvertently occurred.

Specifications concerning products and applications

This manual is based on standard configurations only. As there are many configurations not covered in this manual, contact your stockist with regards to a configuration not represented herein if required.

AutoDesk drawings (CAD Symbol Library) are available on request and can be issued with the consent of the Wispeco Technical Department.

All mechanical joints must be sealed with a **Crealco approved joint sealer**. Failure to correctly seal the joints can affect the performance of the system. Information on joint sealing can be found in the Cleaning & Maintenance Manual available for download from the Wispeco website or from StarFront.

All drawings in the Wispeco Documentation are NOT to scale and are used for illustrative purposes only.

Wispeco will not accept responsibility for the use of standard products since Wispeco does not know where these products are being installed.

The hardware recommended in this documentation is suitable for use in most atmospheric environments. When hardware is used in severe coastal environments the manufacturer of the hardware must be consulted.

For the coastal regions and any other high corrosion areas, the following is advised: to minimize phylliform corrosion use SurTec650 RTU spray during the manufacturing of aluminium profile systems. This should be applied, before assembly, on all pre-work aluminium where the powder coating covering has been removed thereby exposing the raw aluminium base.

The use of non-specified hardware or incorrect mechanical fasteners can adversely affect the mechanical and weathering performance of the system and we strongly advise against deviations. A Wispeco Consultant can advise you of any hardware issues and limitations with regard to this system.

The use of anti-magnetic stainless steel screws and aluminium pop rivets is recommended to reduce galvanic corrosion in harsh environments.

Fixing lugs on frames must be positioned as per the user manual and used in accordance to the AAMSA specifications. When profiles are screwed together the screw centres must also be according to the user manual or as specified by an engineer.

All glass used within Wispeco products must comply with SAGGA regulations. Laminated glass must not stand in water.

By continuing to use this documentation you acknowledge that you understand and accept the legal disclaimer.

This manual must be read in conjunction with the Installation, Cleaning & Maintenance Document and the Performance Certificates for the relevant system. The manual must also be used in conjunction with the design and cutting list from the latest version of StarFront.

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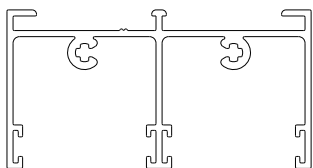
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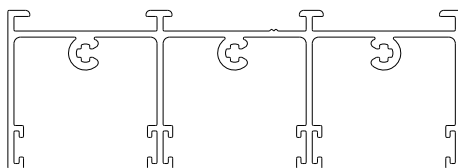
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Profile Identification

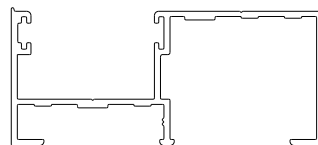
Icon Profiles



DIE No. W29720 Icon Frame Head Double Track



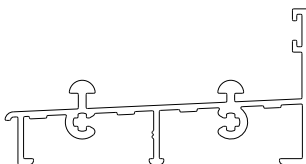
DIE No. W31426 Icon Frame Head Triple Track



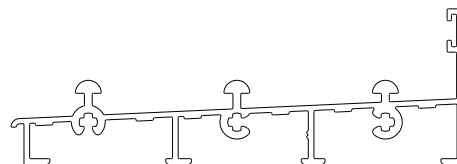
DIE No. W29719 Icon Frame Jamb Double Track



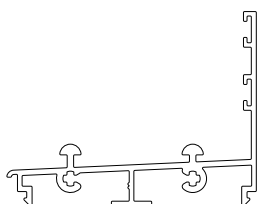
DIE No. W31425 Icon Frame Jamb Triple Track



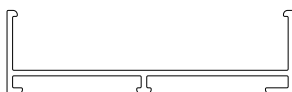
DIE No. W29721 Icon Frame Sill Double Track



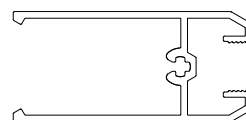
DIE No. W31427 Icon Frame Sill Triple Track



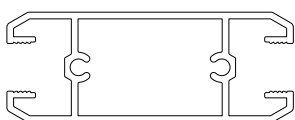
DIE No. W33998 Icon Boxed Sill Top Section



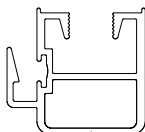
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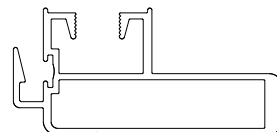
DIE No. W29718 Icon Sash Head & Sill Rail



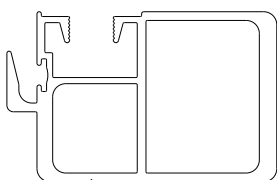
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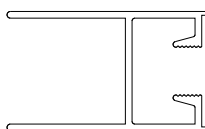
DIE No. W54408 Icon Interlocker



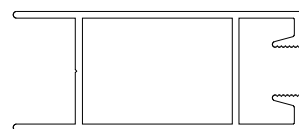
DIE No. W54535 Icon H/Duty Interlock



DIE No. W54987 Icon Extra H/Duty Interlock



DIE No. W29744 Icon OXXO Fixed Stile



DIE No. W54402 Icon Lock Stile

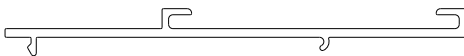
Profile Identification

Icon Profiles



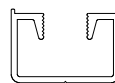
DIE No. W30656

Icon Head Cover



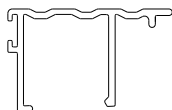
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Icon Adaptor Head
Triple Track 70mm



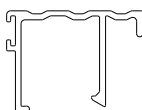
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Icon Fixed
Stile OX



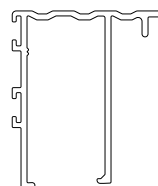
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Icon Cover Threshold
Double Track



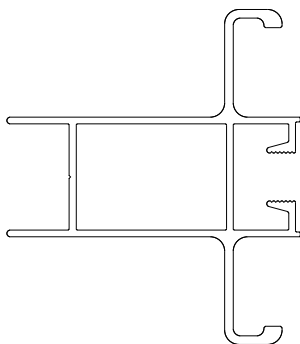
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Icon Cover Threshold
Triple Track



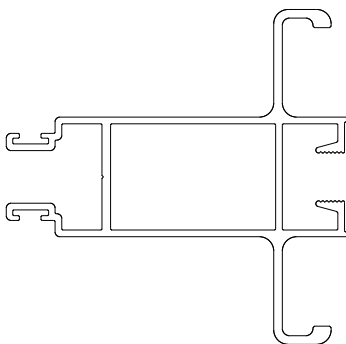
DIE No. W33654

Icon Extended
Sill Cover



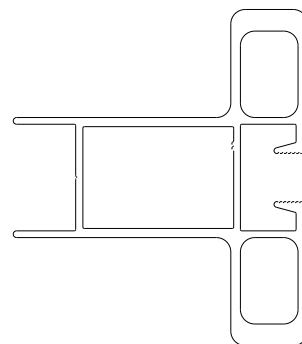
DIE No. W54572

Icon H/Duty Female
Meeting Stile



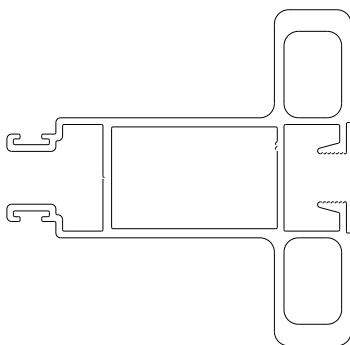
DIE No. W54571

Icon H/Duty Male
Meeting Stile



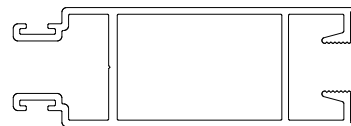
DIE No. W54989

Icon Extra H/Duty Female
Meeting Stile



DIE No. W54988

Icon Extra H/Duty Male
Meeting Stile

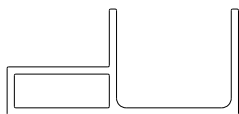


DIE No. W54403

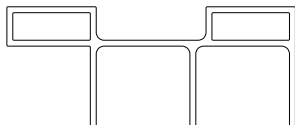
Icon OXXO
Male Meeting Stile

Profile Identification

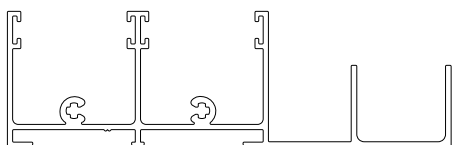
Tranquil Flyscreen Profiles



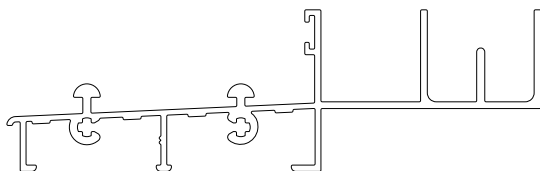
DIE No. W55134 Tranquil Insect Screen
Jamb/Head Rail



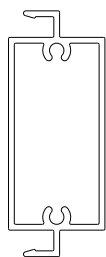
DIE No. W56813 Tranquil Insect Screen
Jamb/Head for Triple Track



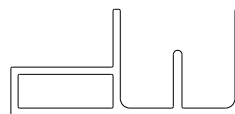
DIE No. W33165 Icon Head with
Flyscreen Frame



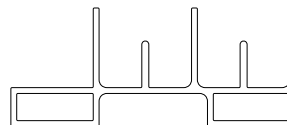
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Flyscreen Frame



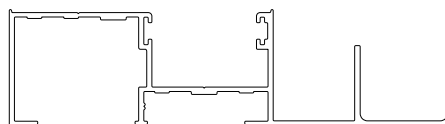
DIE No. W55035 Tranquil Insect Screen
Midrail



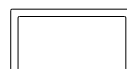
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Sill Rail



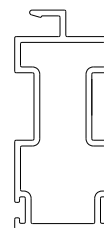
DIE No. W56814 Tranquil Insect Screen
Sill



DIE No. W33167 Icon Jamb With
Flyscreen Frame LH



DIE No. W19216 Channel



DIE No. W55036 Tranquil
Insect Sash

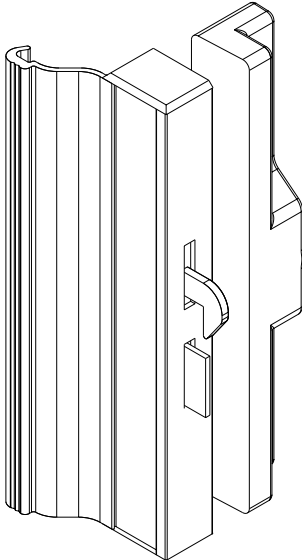


DIE No. W56707 Icon Jamb
with Flyscreen Frame RH

Hardware Components

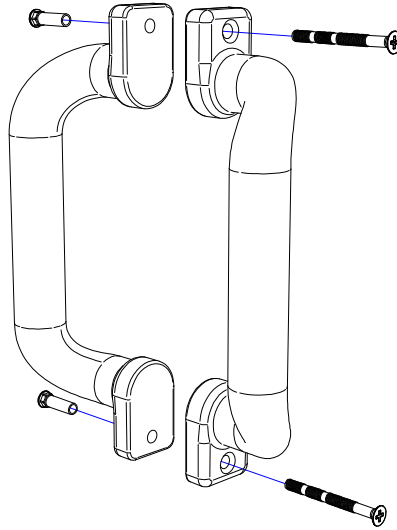
RECOMMENDED ICON SERIES COMPONENTS

All hardware is available through our Stockists as well as through Crealco Components, and can be viewed on www.crealco-components.com



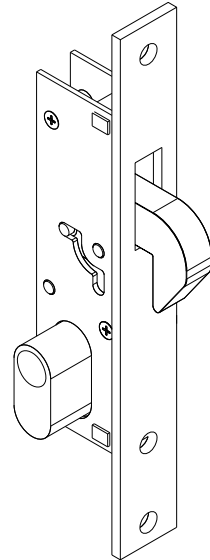
SDW-PDHU

Patio Door Standard
Single Handle



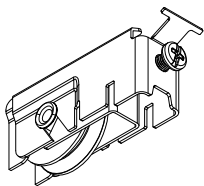
SDW-URH

Universal Regal
Handle



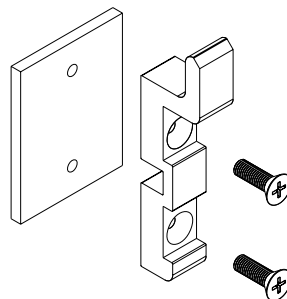
LCH-PD20n

Hooklock



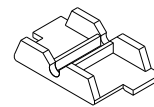
RSW-PD-YP

Patio Door Roller



HCC-KEXTn

Patio Door
Keep Kit



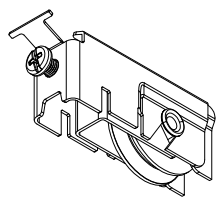
PPS-FJS700n

Frame Joint Seal
Series Icon



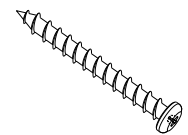
FSN-GI05-BLK

Grommets



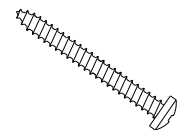
RSW-PD-SS

Patio Door Roller S/S



FSP-0830P-SS

P/Head POSI
8x30 S/S Screw



FSP-0820P-SS

Screw 8x20



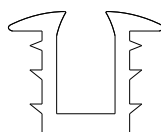
SGD-VST + FSP-0820P-SS

Stopper with Screw



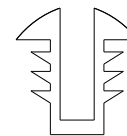
GFP-6750

Finpile



GCH-H41

Channel H41 (6mm or 6.38mm)



GCH-H41

Channel H21 (4mm)



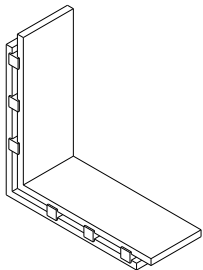
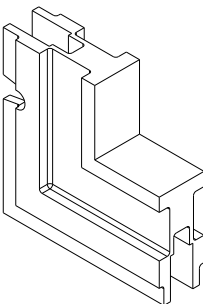



crealco

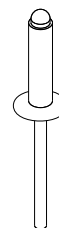
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Hardware Components

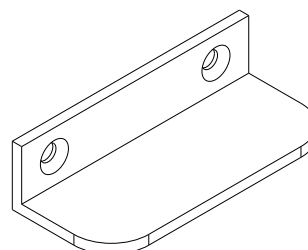
RECOMMENDED ICON SERIES FLYSCREEN COMPONENTS

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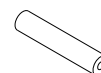
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	4 OFF	8 OFF
	2 OFF	4 OFF
	4 OFF	6 OFF
	4 OFF	8 OFF



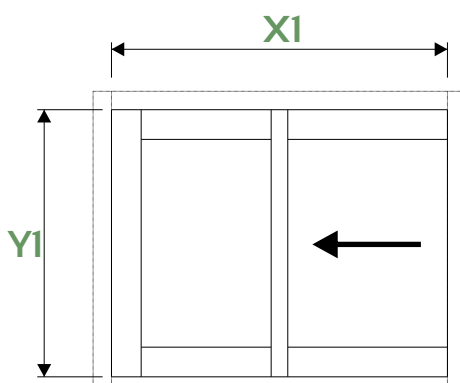
FRC-410
4x10 C/Sunk
Rivet



ISR-FSH
Handle



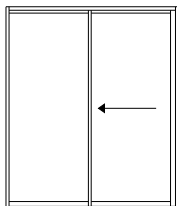
GSN-RS05
Flyscreen Spline



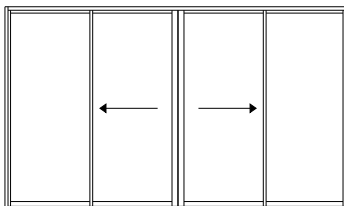
MAXIMUM DOOR LEAF WIDTH = 1500mm

MAXIMUM DOOR LEAF HEIGHT = 2100mm

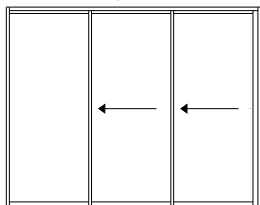
OX



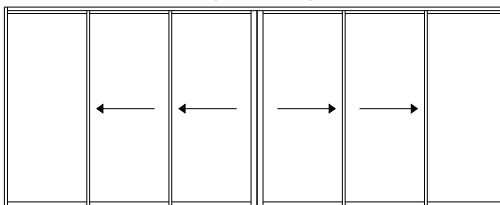
OXXO



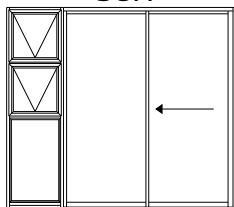
OXX



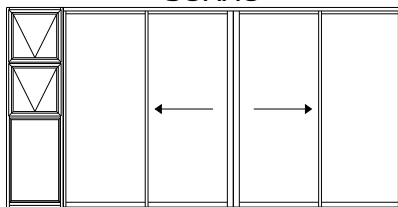
OXXXXO



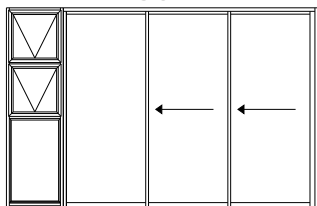
SOX



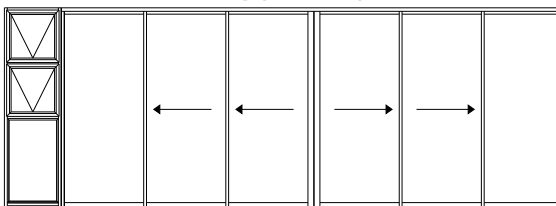
SOXXO



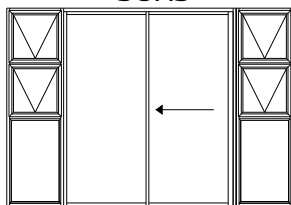
SOXX



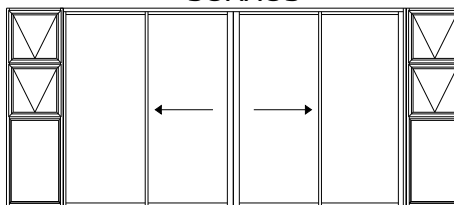
SOXXXXO



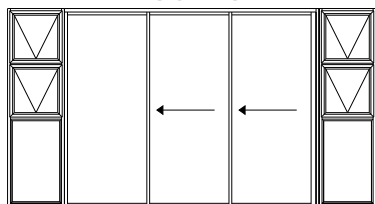
SOXS



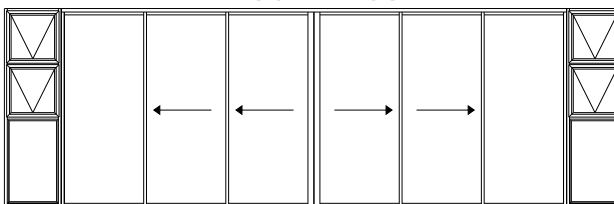
SOXXOS



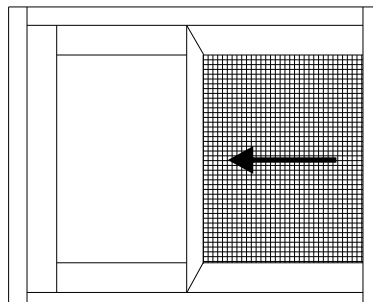
SOXXS



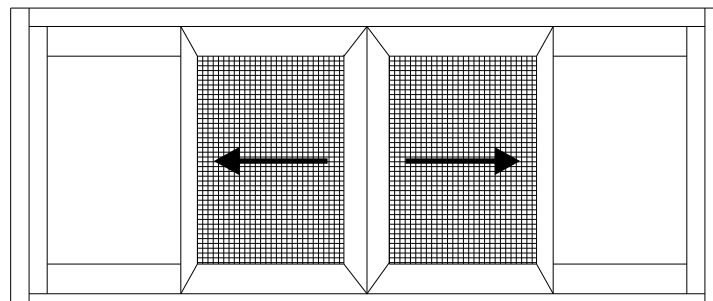
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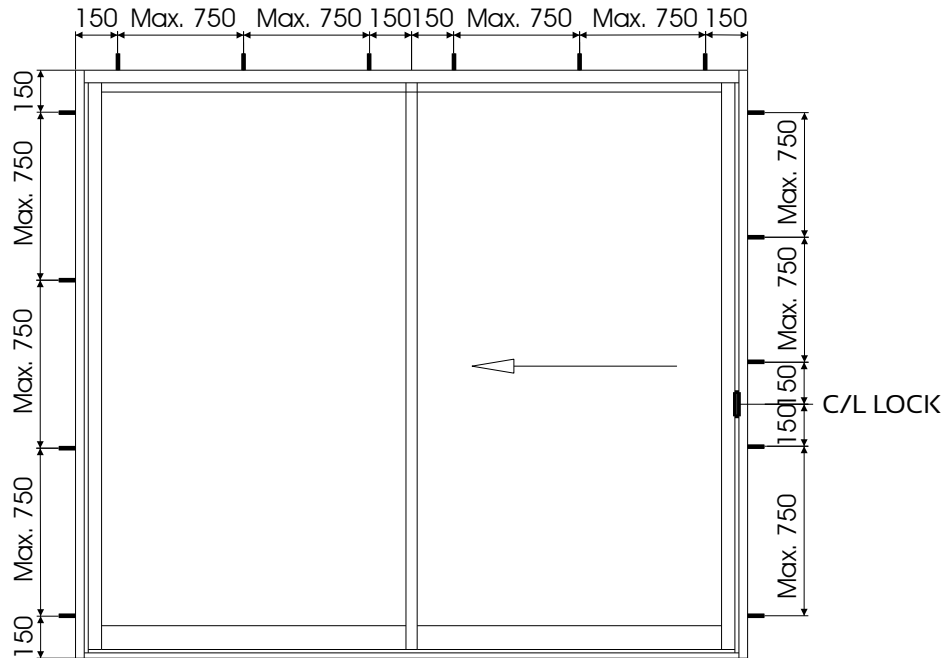


OX CONFIGURATION WITH FLYSCREEN

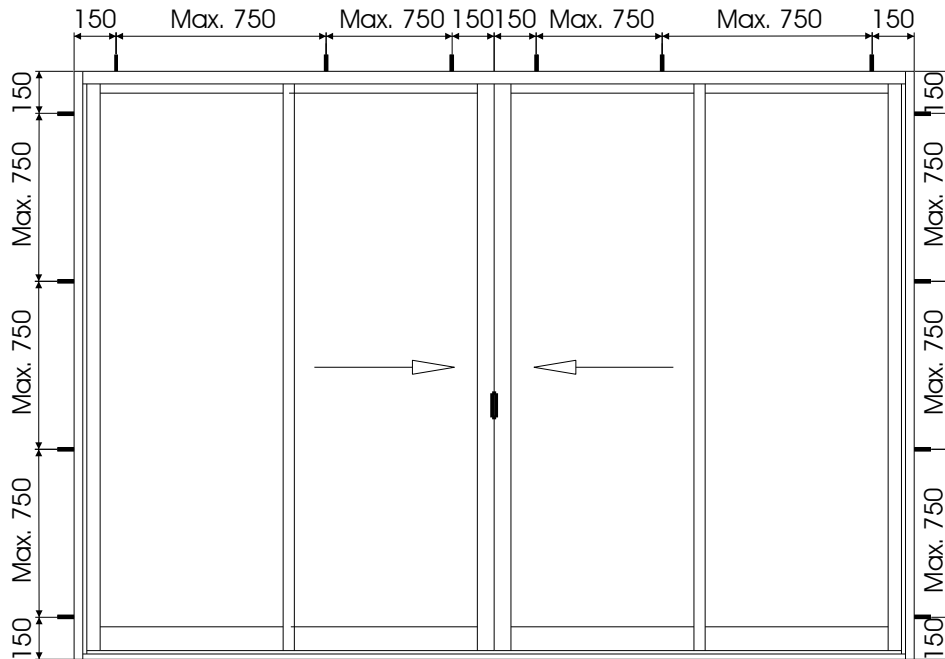


OXXO CONFIGURATION WITH FLYSCREEN





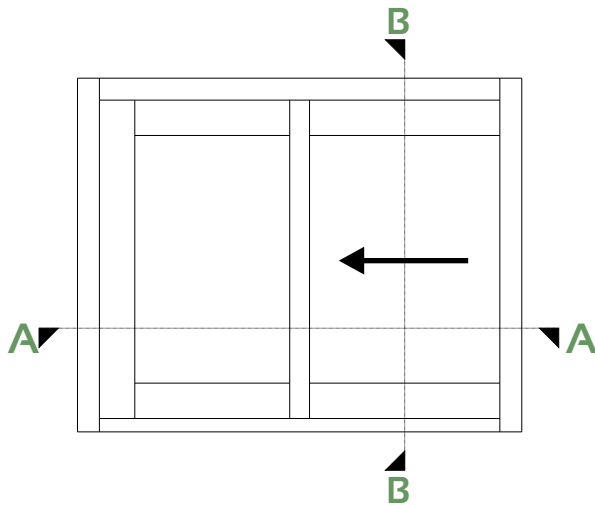
**TYPICAL OX SLIDING DOOR &
HORIZONTAL SLIDING WINDOW**



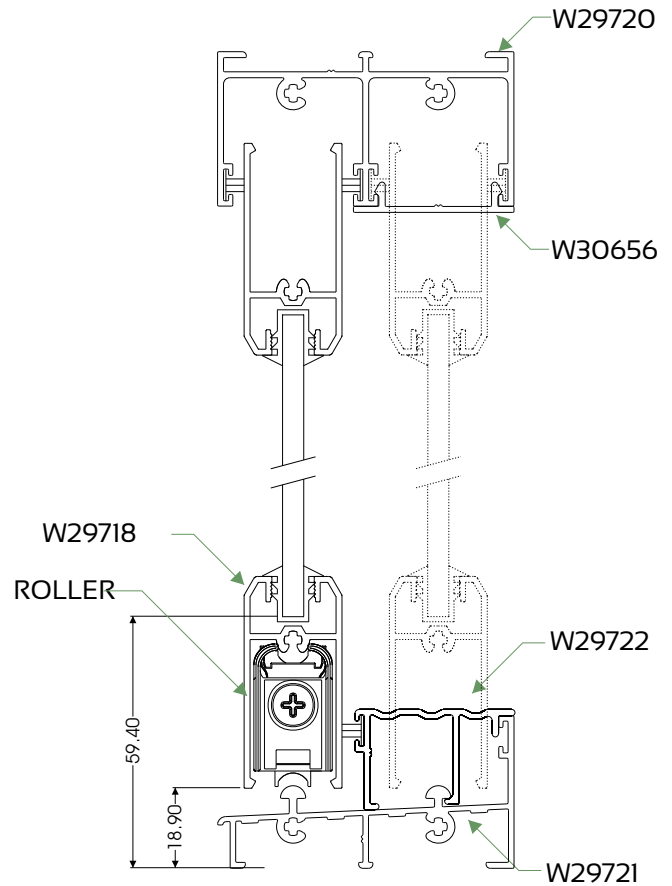
**TYPICAL OXXO SLIDING DOOR &
HORIZONTAL SLIDING WINDOW**

Typical Cross-Sectional Detail

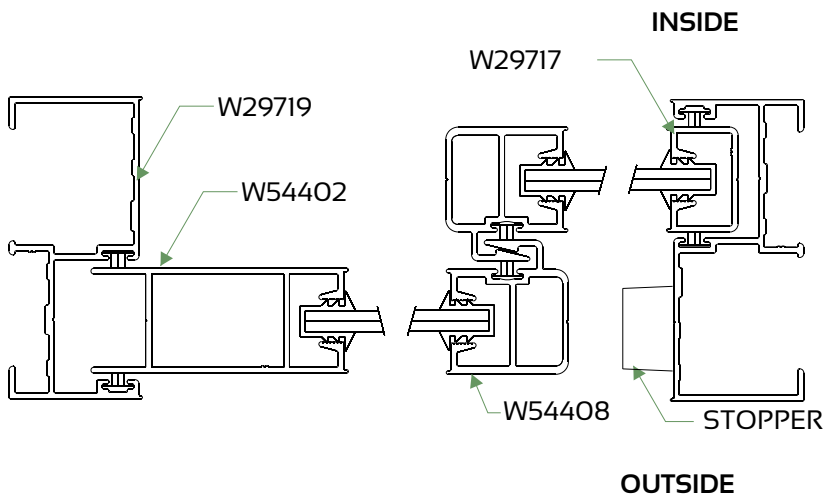
OX Configuration



SECTION B-B
Section not to scale



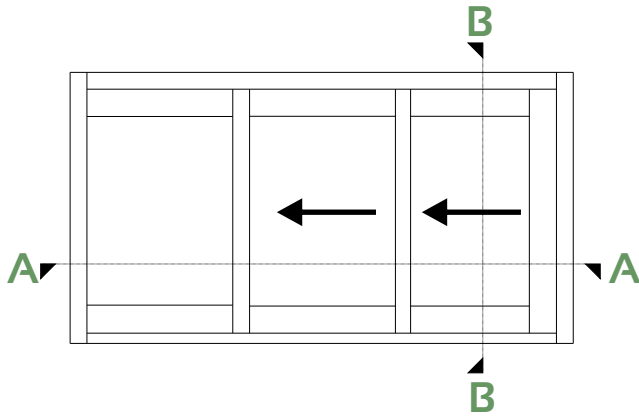
SECTION A-A
Section not to scale



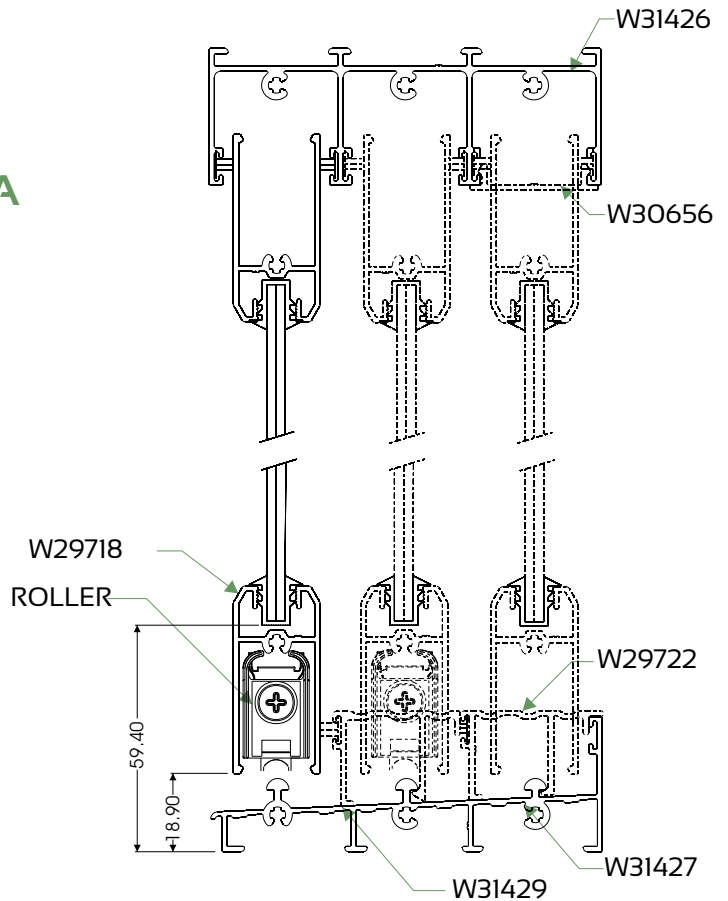
This manual must be read in conjunction with the Installation, Cleaning & Maintenance Document and the Performance Certificates for the relevant system. The manual must also be used in conjunction with the design and cutting list from the latest version of StarFront.

Typical Cross-Sectional Detail

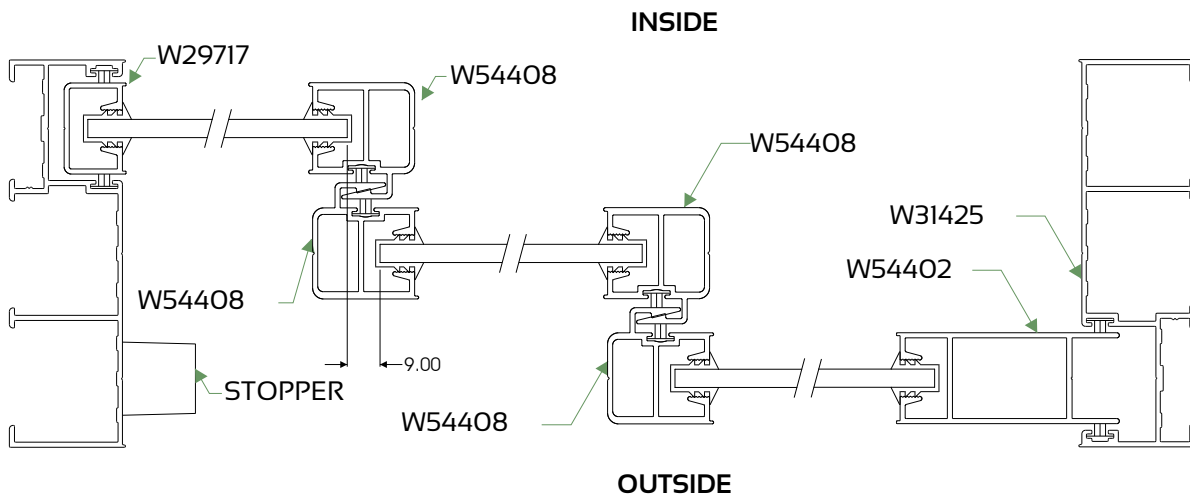
OXX Configuration



SECTION B-B
Section not to scale



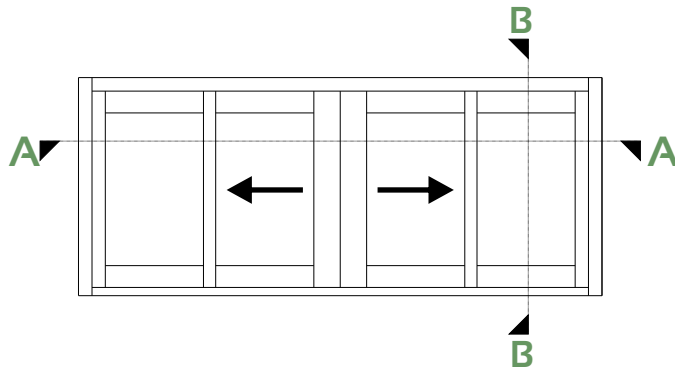
SECTION A-A
Section not to scale



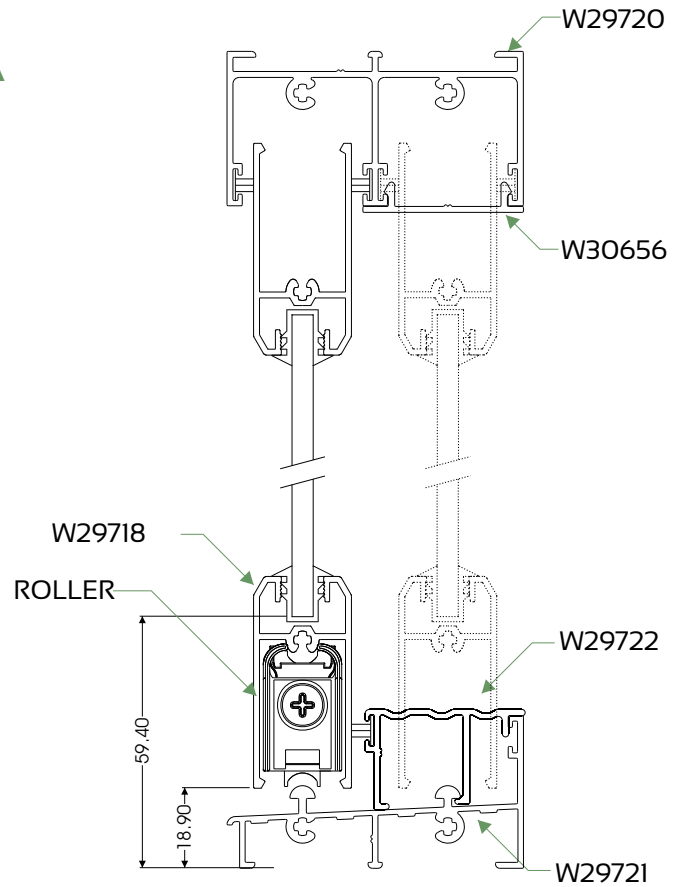
This manual must be read in conjunction with the Installation, Cleaning & Maintenance Document and the Performance Certificates for the relevant system. The manual must also be used in conjunction with the design and cutting list from the latest version of StarFront.

Typical Cross-Sectional Detail

OXXO Configuration

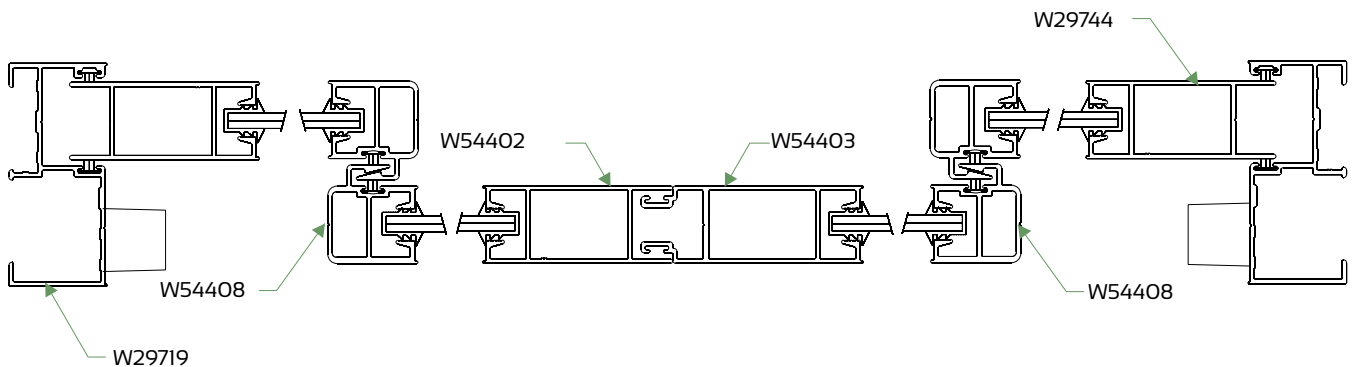


SECTION B-B
Section not to scale



SECTION A-A
Section not to scale

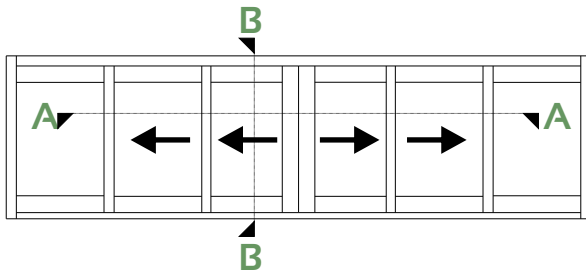
INSIDE



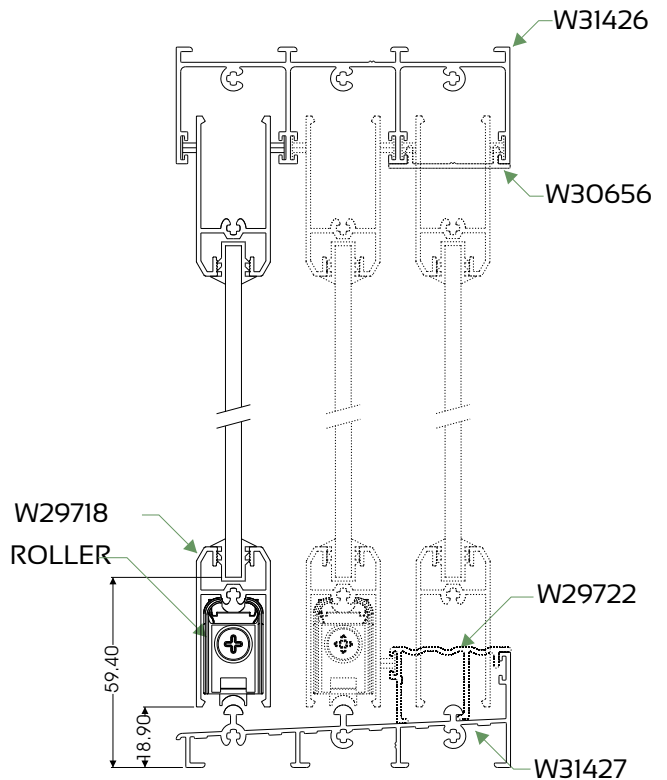
OUTSIDE

Typical Cross-Sectional Detail

OXXXO Configuration

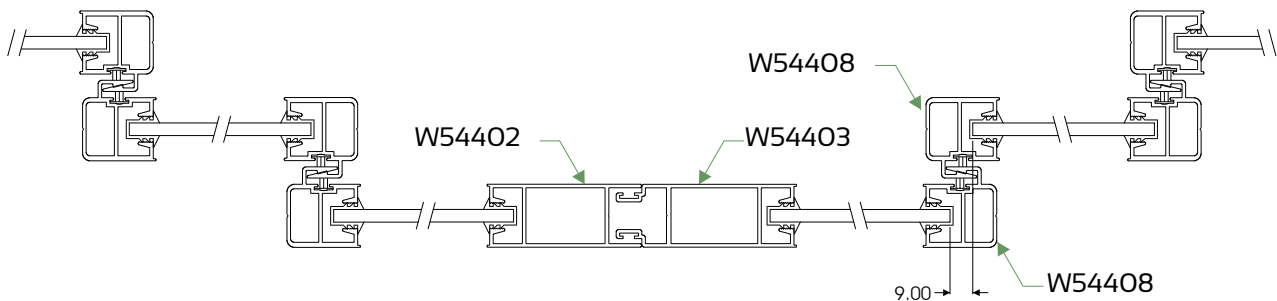


SECTION B-B
Section not to scale



SECTION A-A
Section not to scale

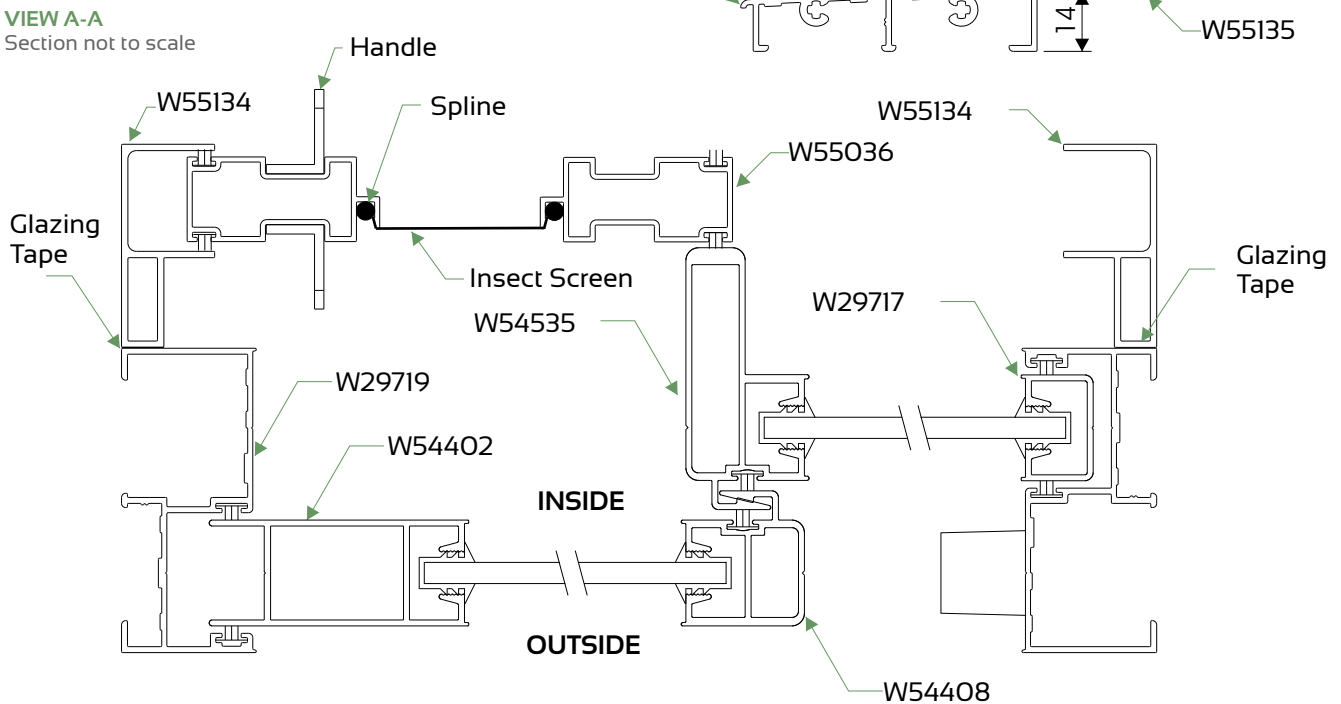
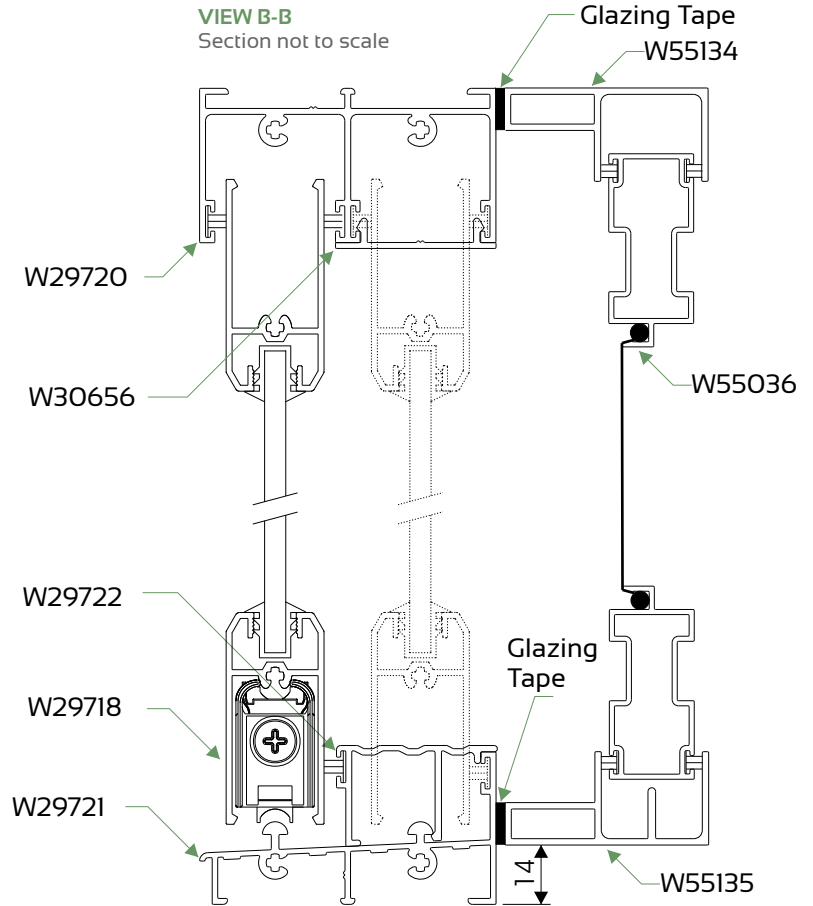
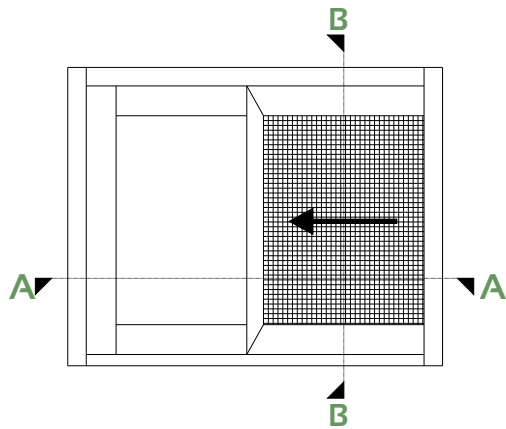
INSIDE



OUTSIDE

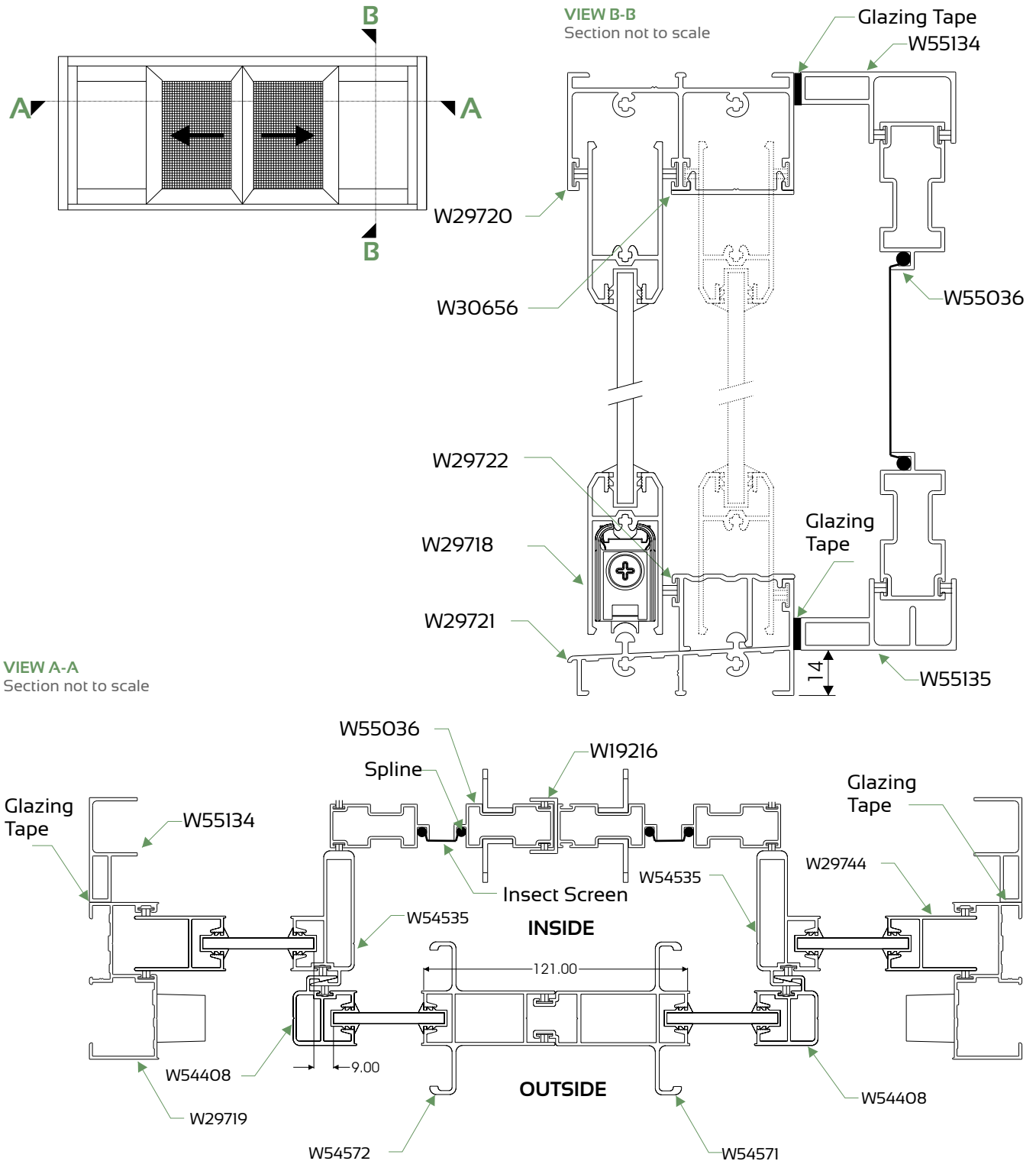
Typical Cross-Sectional Detail

on Flyscreen OX Configuration



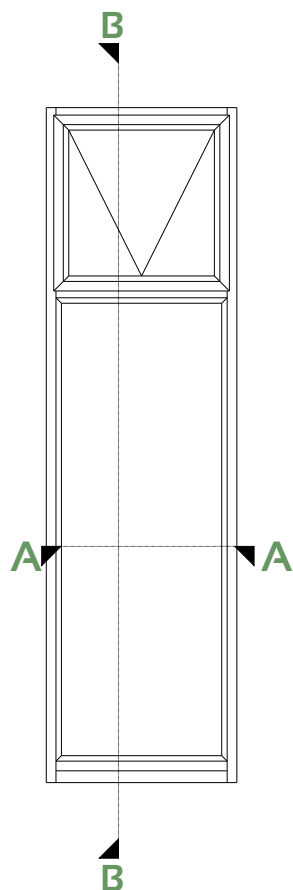
Typical Cross-Sectional Detail

on Flyscreen OXXO Configuration



Typical Cross-Sectional Detail

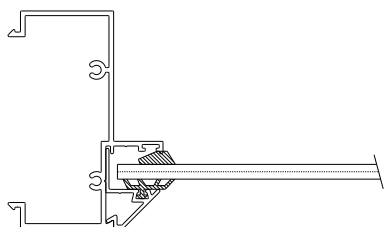
Sidelight



SECTION A-A

Section not to scale

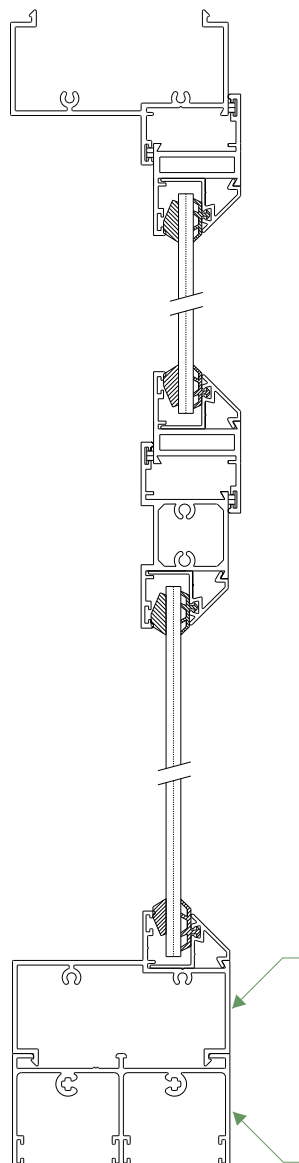
INSIDE



OUTSIDE

SECTION B-B

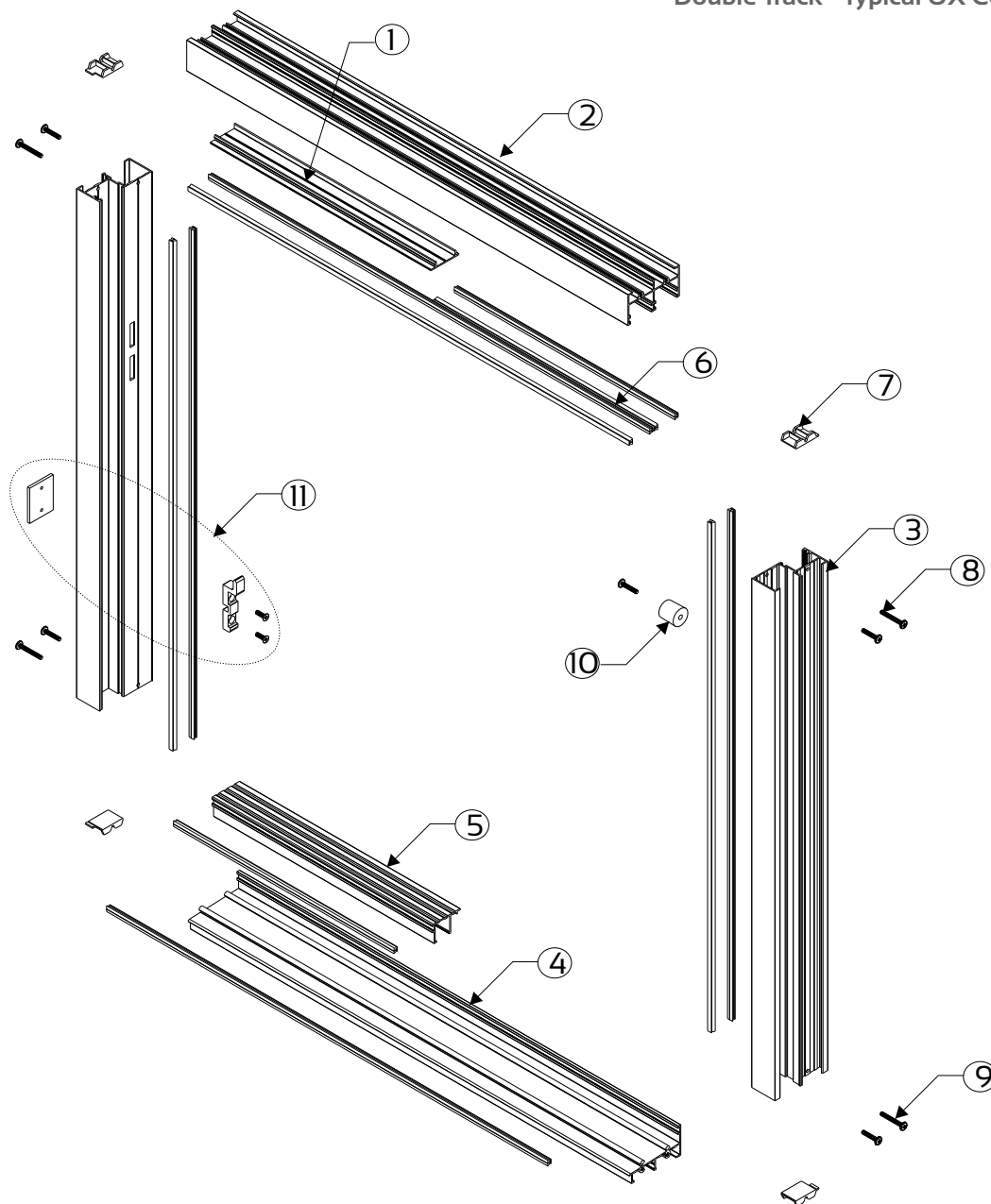
Section not to scale



See different
Casement
systems

Typical Outer Frame Construction

Double Track - Typical OX Configuration



System Profiles

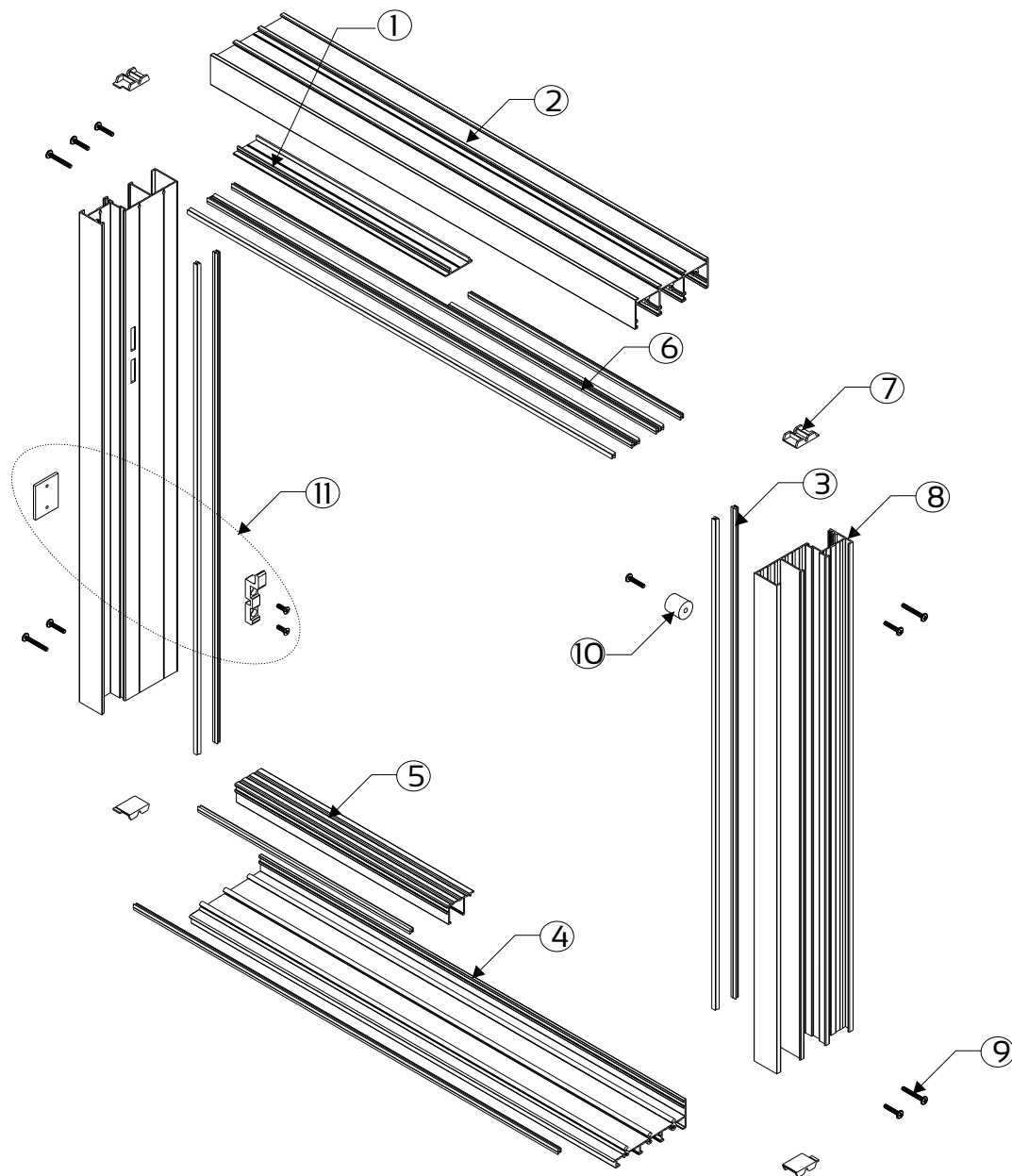
ITEM	QTY	DIE No.	DESCRIPTION
1	1	W30656	Icon Head Cover
2	1	W29720	Icon Frame Head
3	2	W29719	Icon Reversible Frame Jamb
4	1	W29721	Icon Frame Sill
5	1	W29722	Icon Threshold Cover

Hardware

ITEM	QTY	COMPONENT DESCRIPTION
6	7	Finpile
7	4	Frame Joint Seal Series Icon
8	5	Screw 8x20
9	4	Screw 8x30
10	1	Stopper
11	1	Patio Door Keep Kit

Typical Outer Frame Construction

Triple Track - Typical OXX Configuration



System Profiles

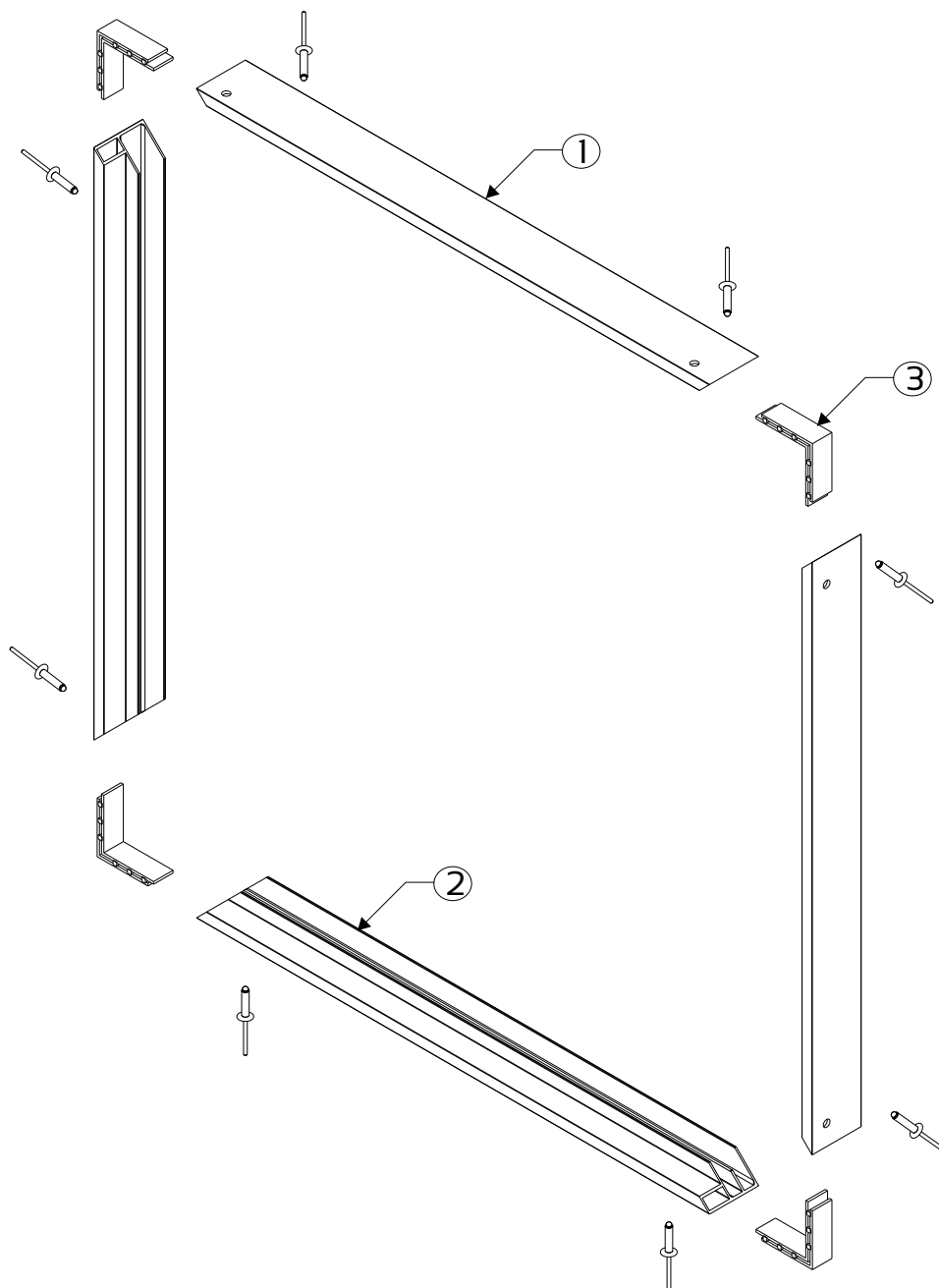
ITEM	QTY	DIE No.	DESCRIPTION
1	1	W30656	Icon Head Cover
2	1	W31426	Icon Triple Frame Head
3	2	W31425	Icon Triple Reversible Frame Jamb
4	1	W31427	Icon Triple Frame Sill
5	1	W29722	Icon Threshold Cover

Hardware

ITEM	QTY	COMPONENT DESCRIPTION
6	7	Finpile
7	4	Frame Joint Seal Series Icon
8	5	Screw 8x20
9	4	Screw 8x30
10	1	Stopper
11	1	Patio Door Keep Kit

Typical Outer Frame Construction

Assembly Detail

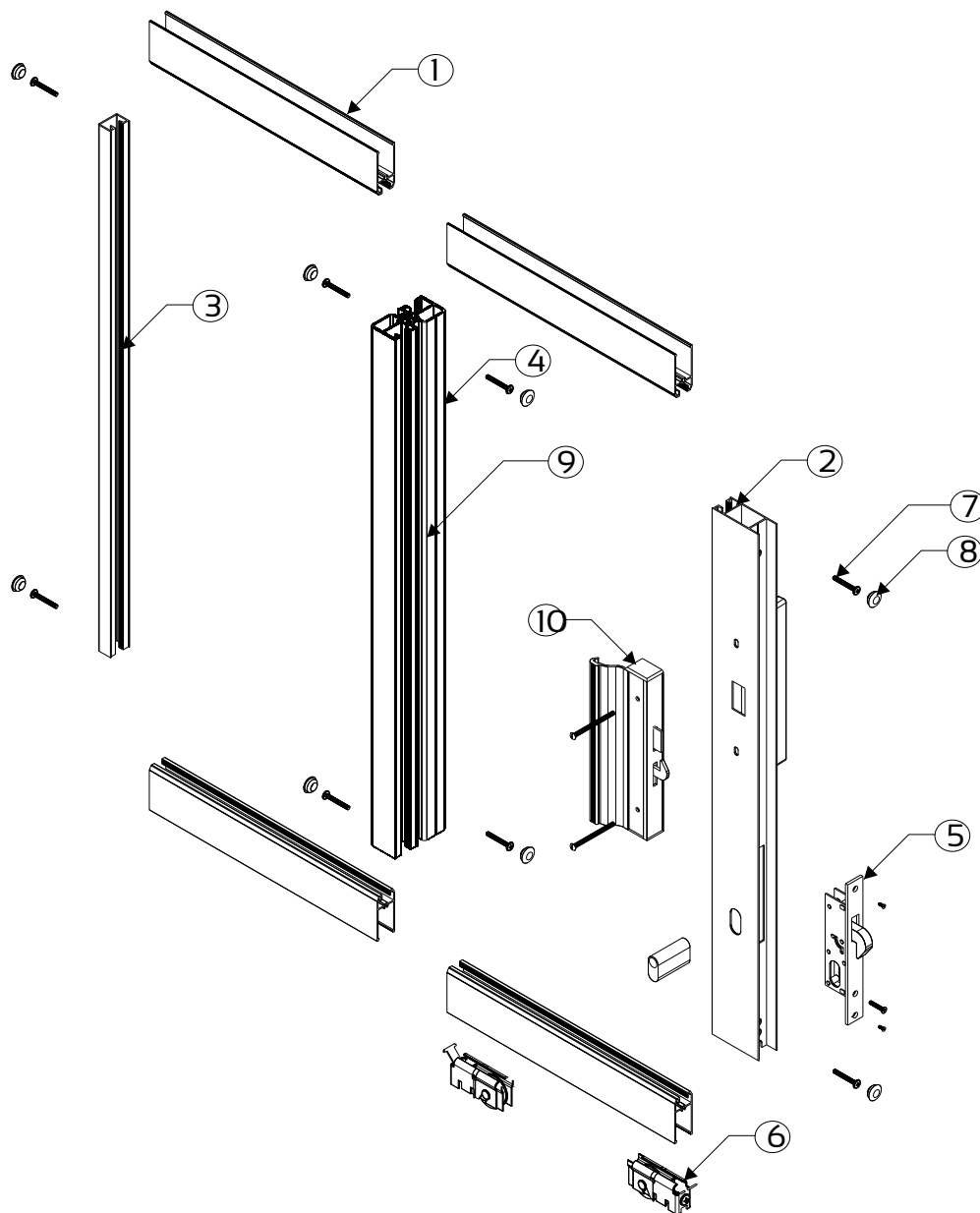


System Profiles

ITEM	QTY	DIE No.	DESCRIPTION
1	3	W55134	Icon Insect Screen Jamb/Head Rail
2	1	W55135	Icon Insect Screen Sill Rail

Hardware

ITEM	QTY	COMPONENT DESCRIPTION
3	4	Outer Frame Cleat



System Profiles

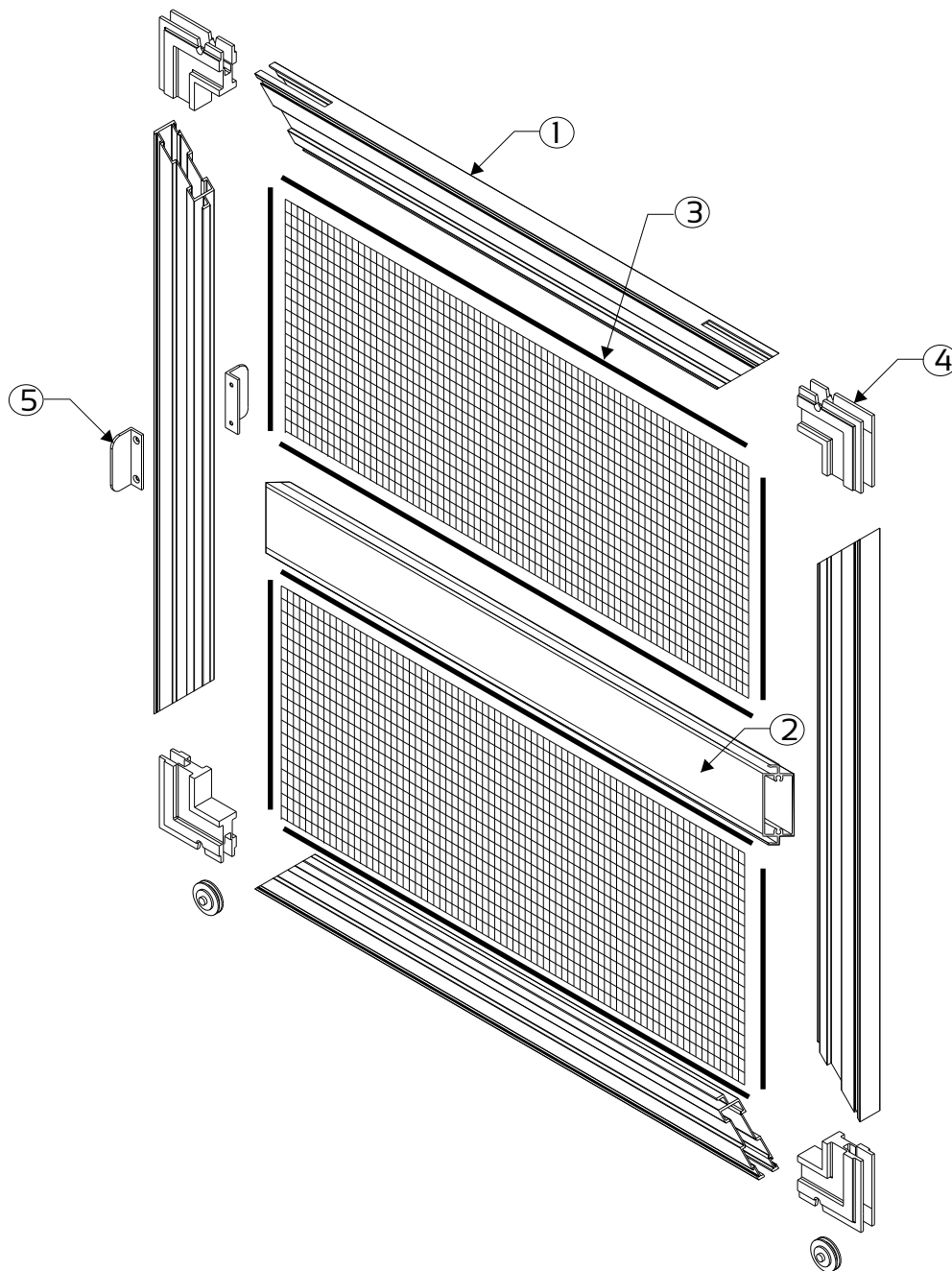
ITEM	QTY	DIE No.	DESCRIPTION
1	4	W29718	Icon Sash Head & Sill Rail
2	1	W54402	Icon Lock Stile
3	1	W29744	Icon Fixed Stile OX
4	1	W54408	Icon Interlocker

Hardware

ITEM	QTY	COMPONENT DESCRIPTION
5	1	Hooklock
6	2	Patio Door Roller S/S
7	8	Screw 8x30
8	8	Grommet
9	2	Finpile
10	1	Patio Door Std Single Handle

Typical Sash Frame Construction

Assembly Detail



System Profiles

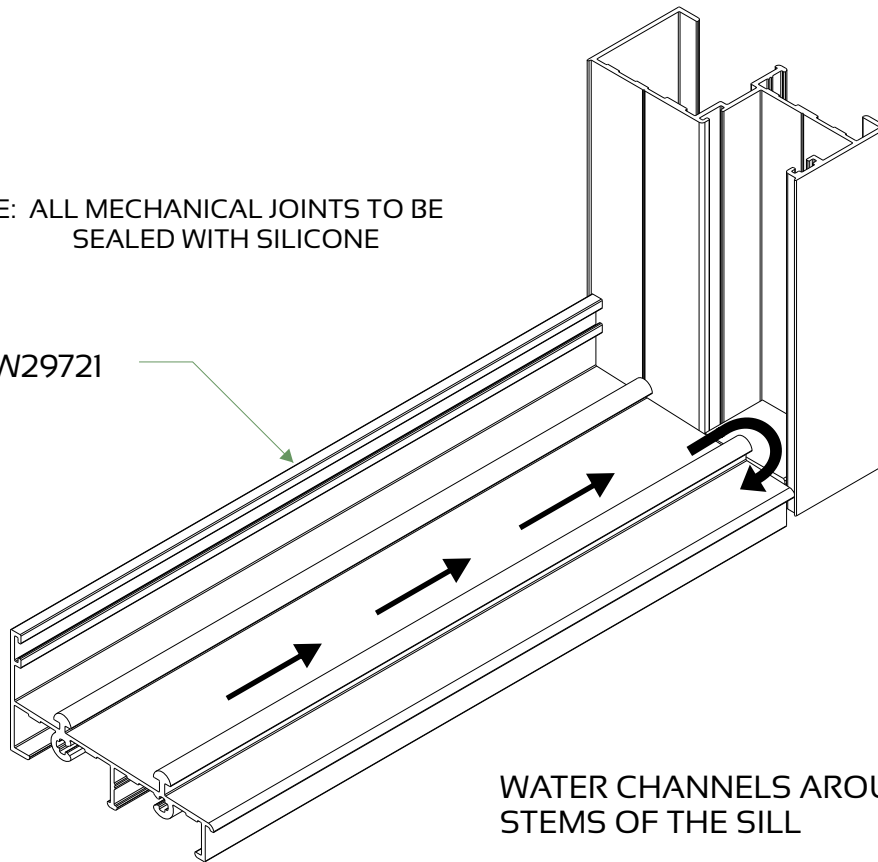
ITEM	QTY	DIE No.	DESCRIPTION
1	4	W55036	Icon Insect Sash
2	1	W55035	Icon Insect Screen Midrail

Hardware

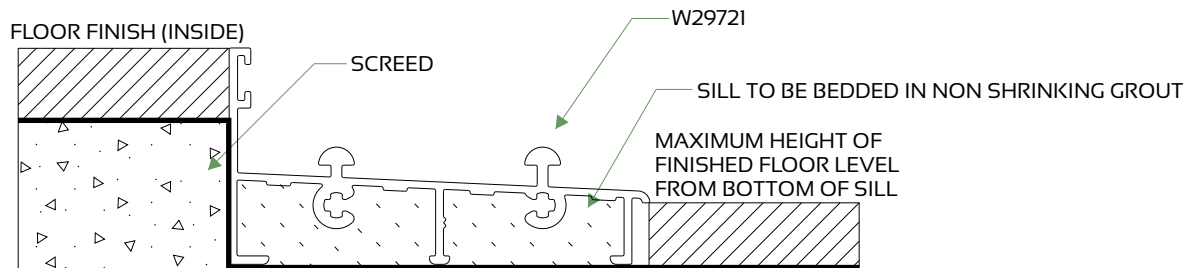
ITEM	QTY	COMPONENT DESCRIPTION
3	8	Flyscreen Spline
4	4	Sash Cleat
5	1	Handle

NOTE: ALL MECHANICAL JOINTS TO BE
SEALED WITH SILICONE

W29721



WATER CHANNELS AROUND
STEMS OF THE SILL

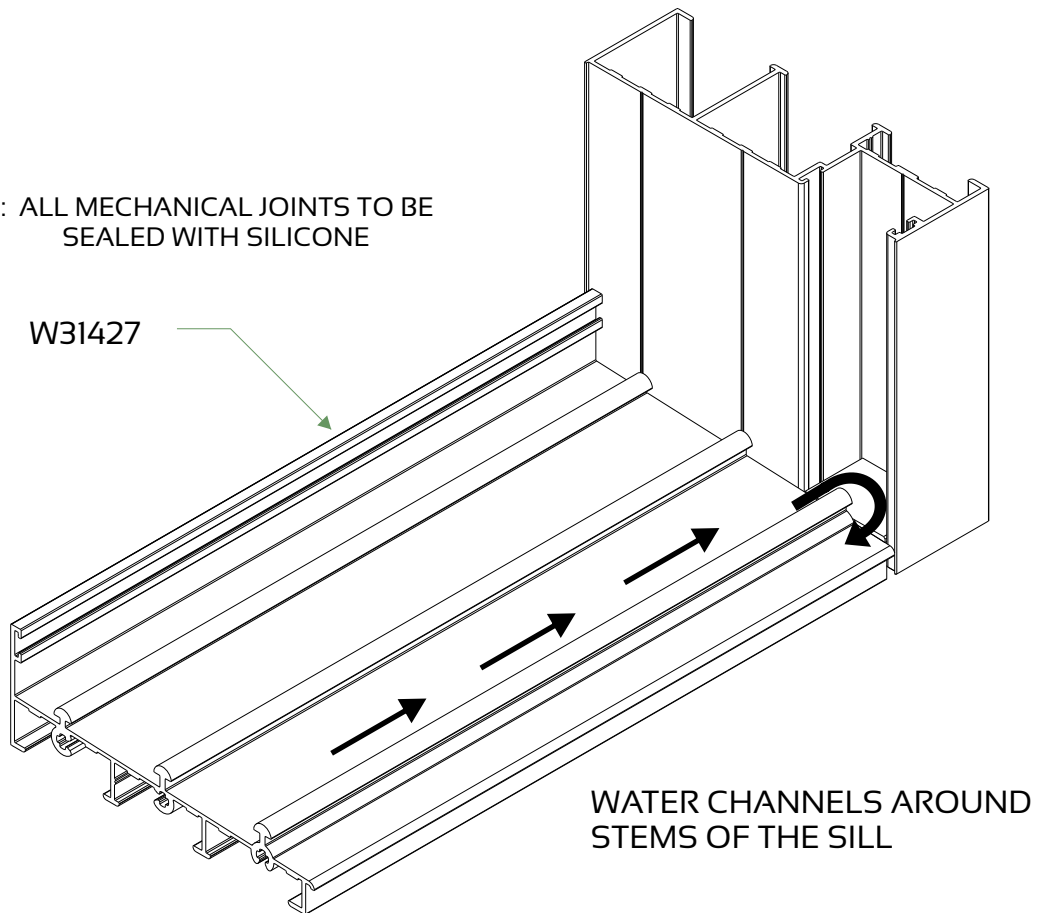


NOTE: Sill (bottom track) to be fixed to floor
with a non-shrinking grout.

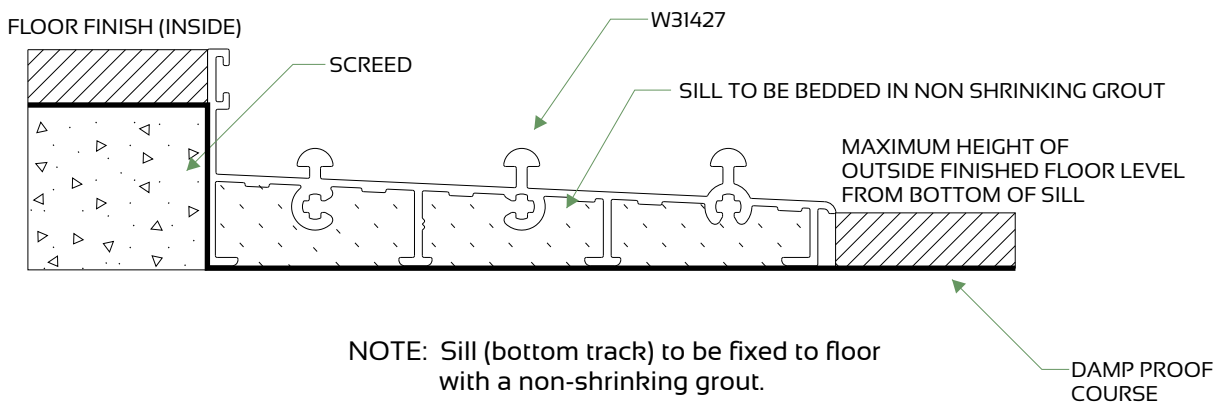
DAMP PROOF
COURSE

NOTE: ALL MECHANICAL JOINTS TO BE
SEALED WITH SILICONE

W31427



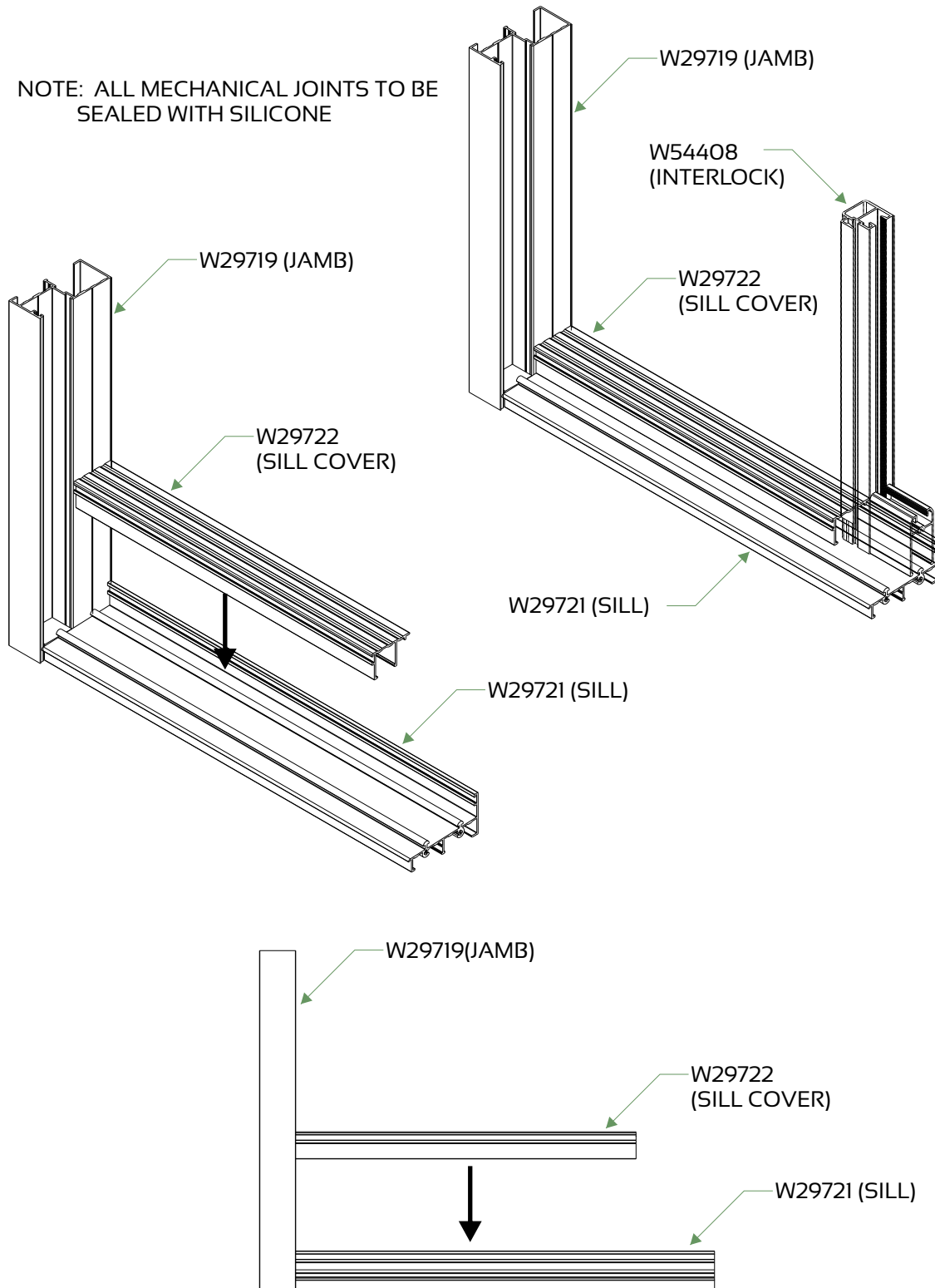
FLOOR FINISH (INSIDE)



Typical Sill Cover Insertion Detail

Double Track

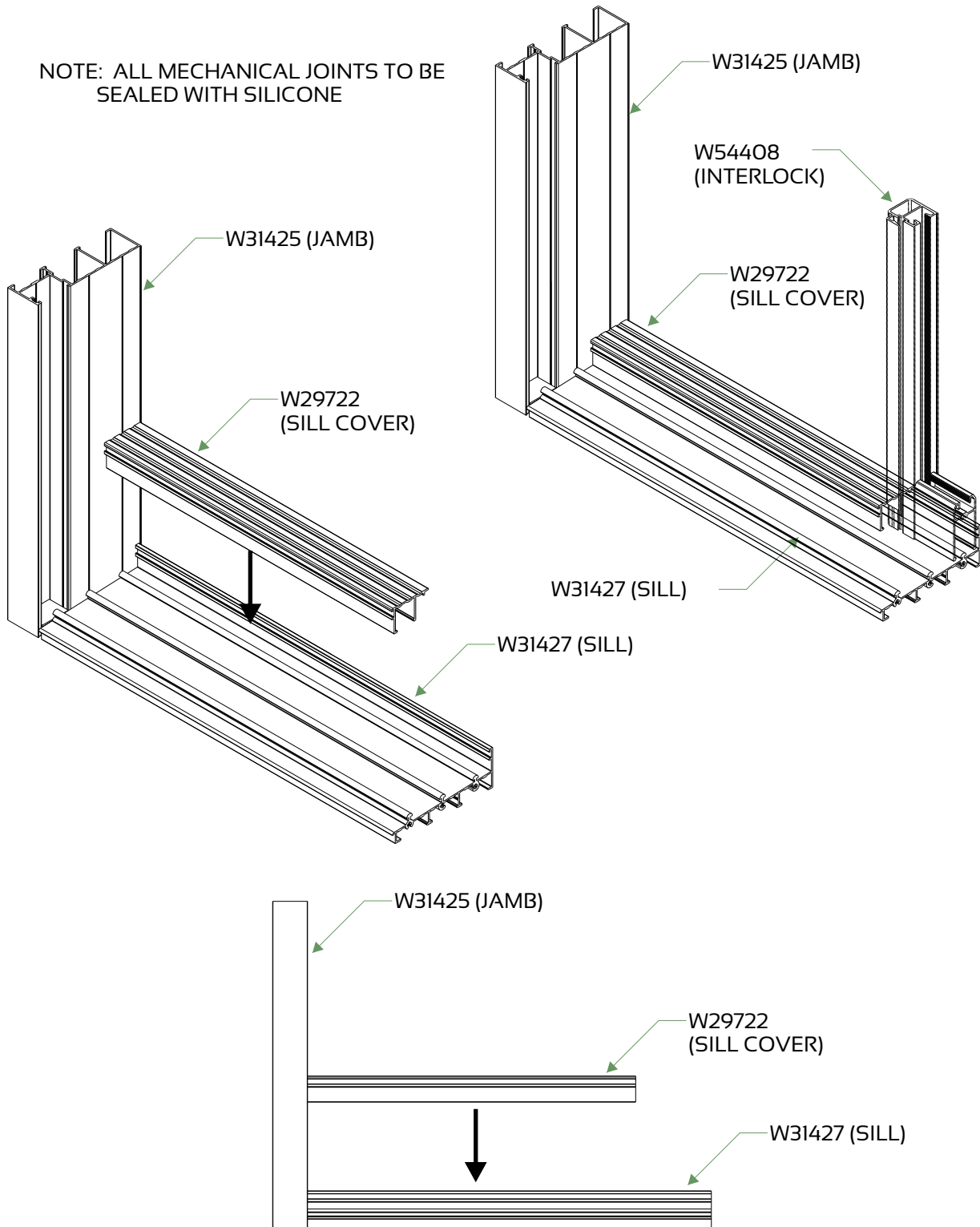
NOTE: ALL MECHANICAL JOINTS TO BE
SEALED WITH SILICONE



Typical Sill Cover Insertion Detail

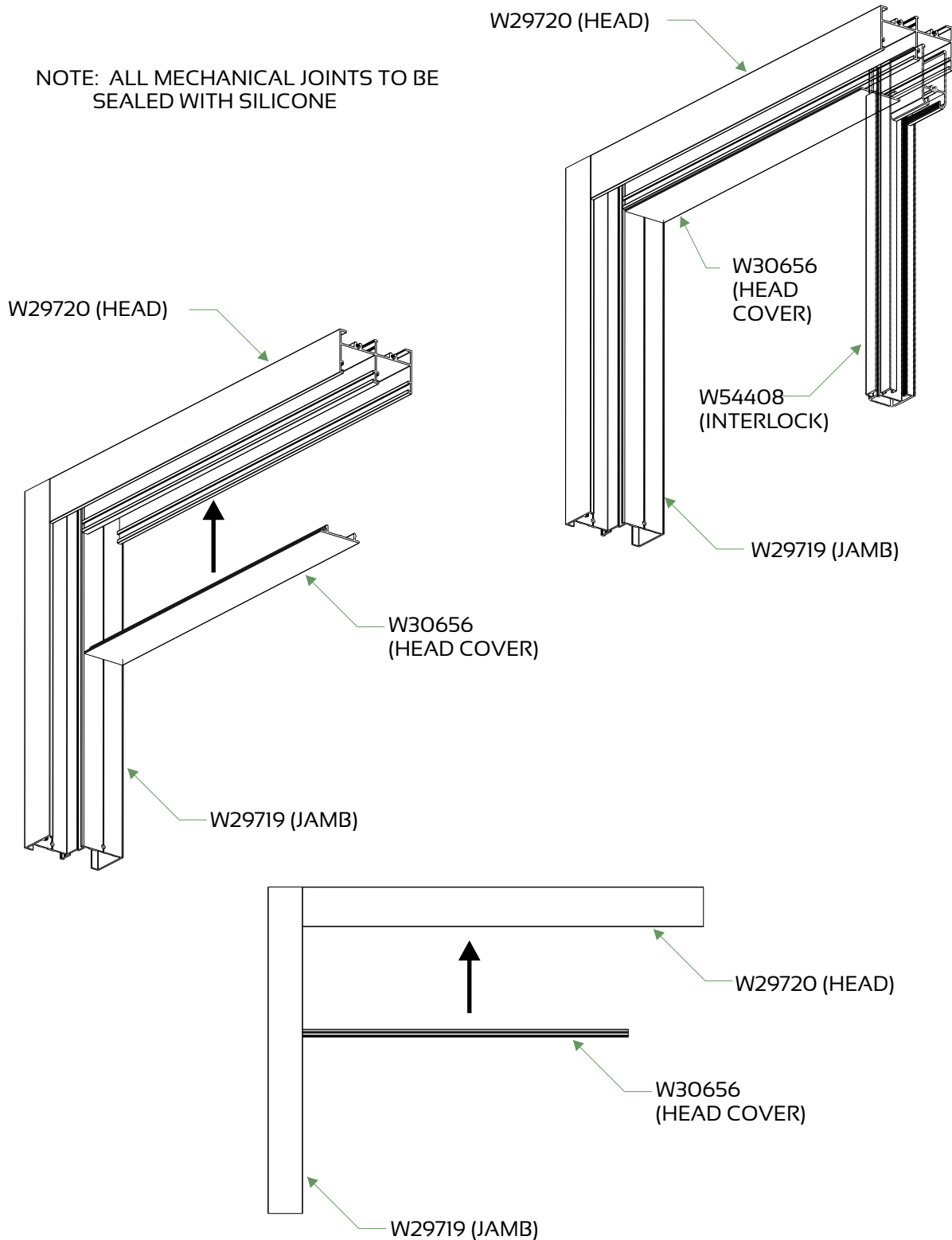
Triple Track

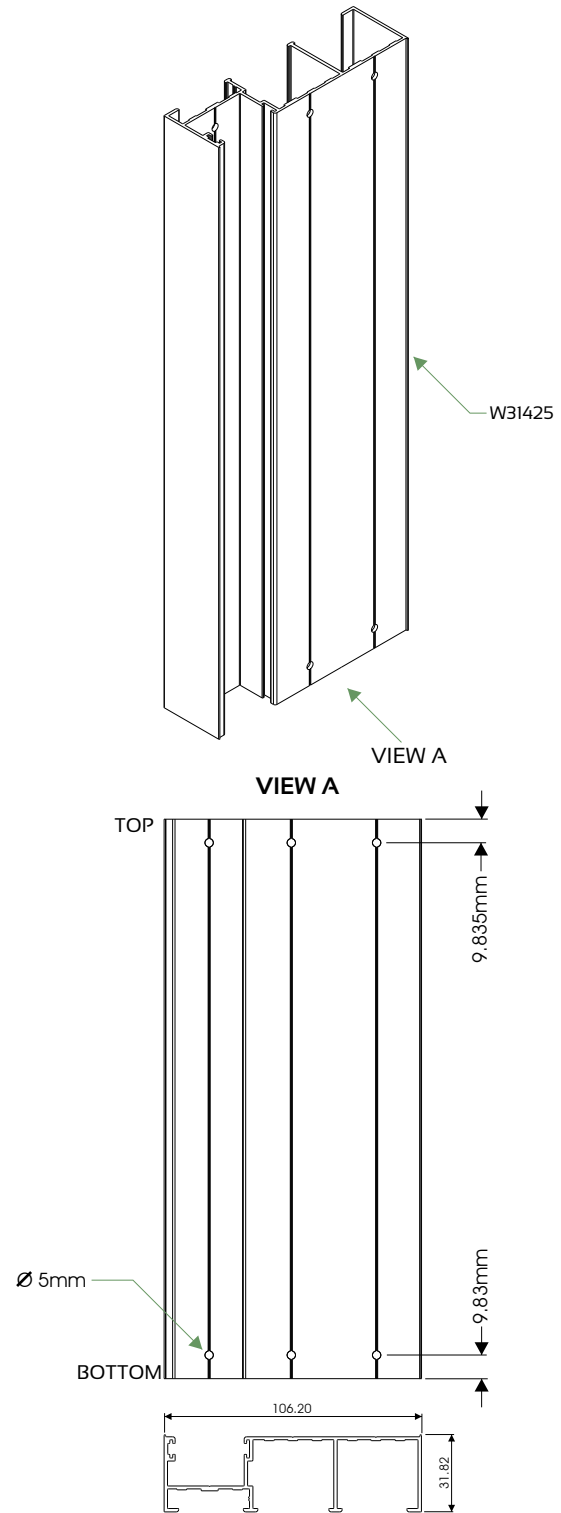
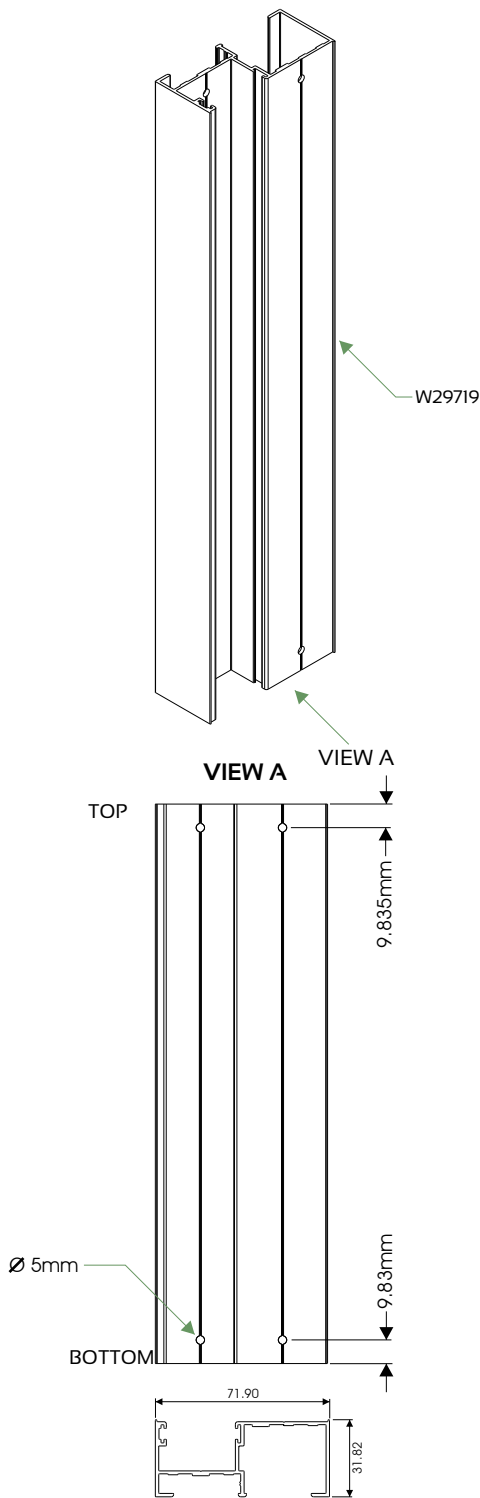
NOTE: ALL MECHANICAL JOINTS TO BE SEALED WITH SILICONE

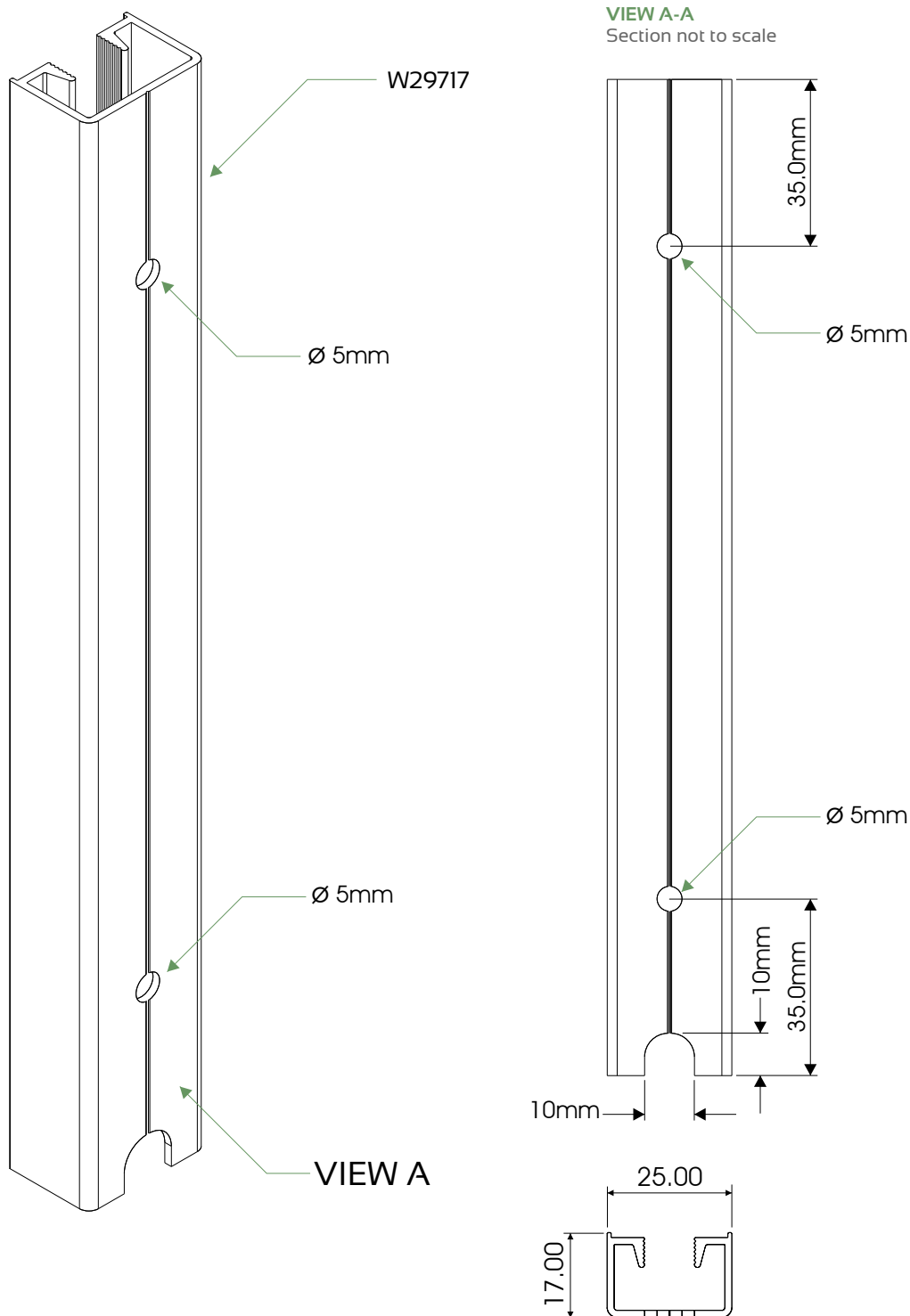


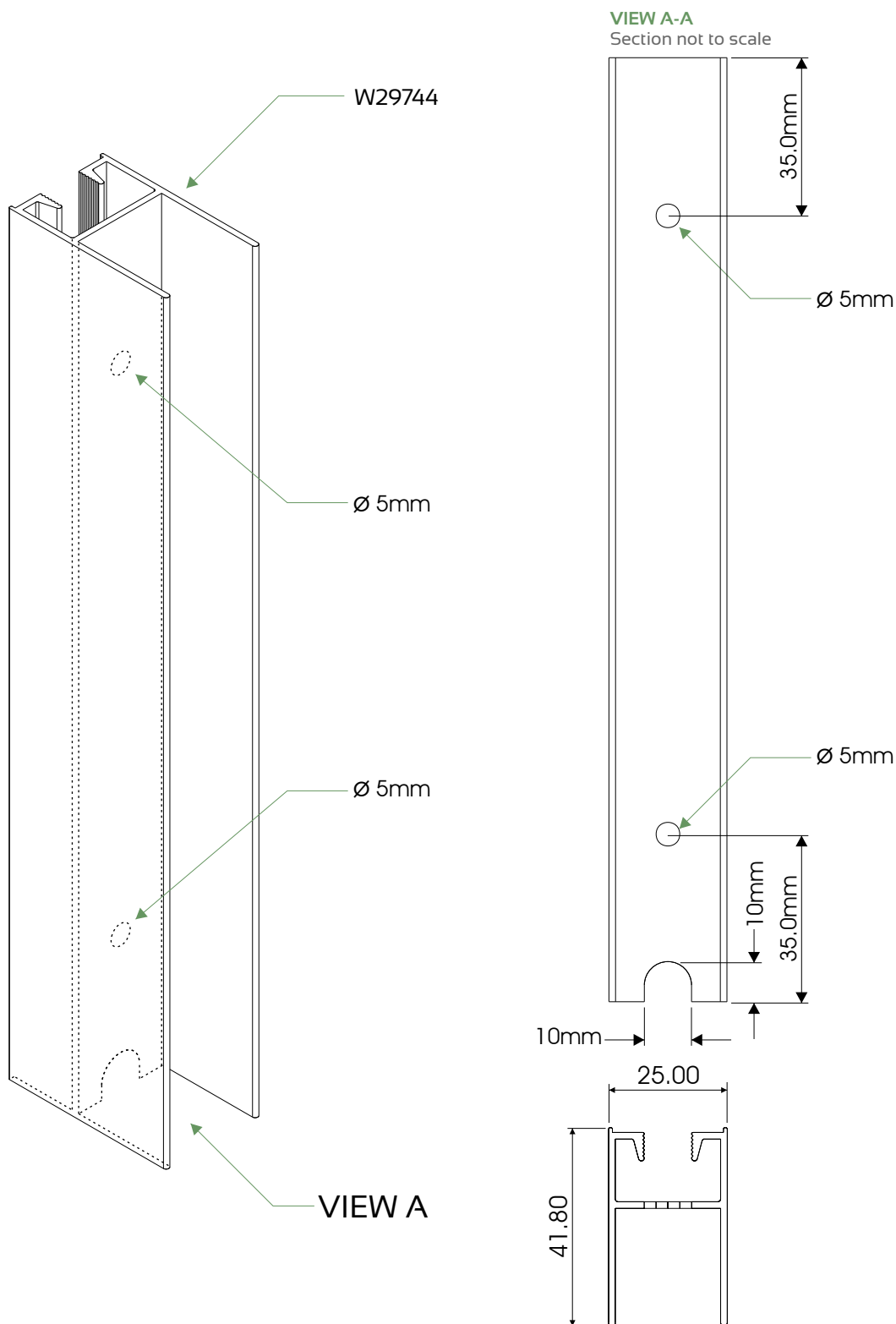
Typical Head Cover Insertion Detail

NOTE: ALL MECHANICAL JOINTS TO BE SEALED WITH SILICONE







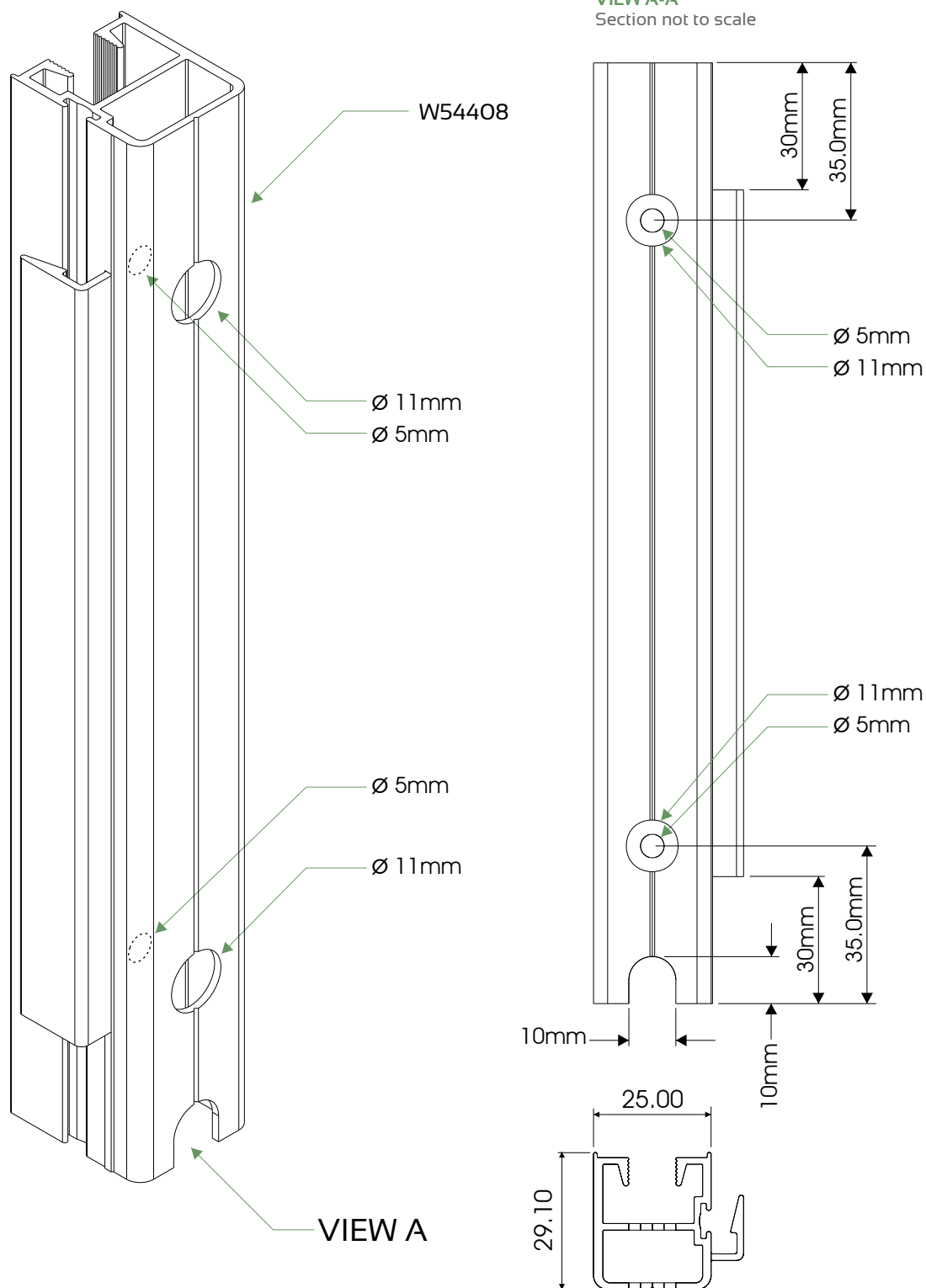


Typical Machining Details

Interlock on Fixed Panel

VIEW A-A

Section not to scale

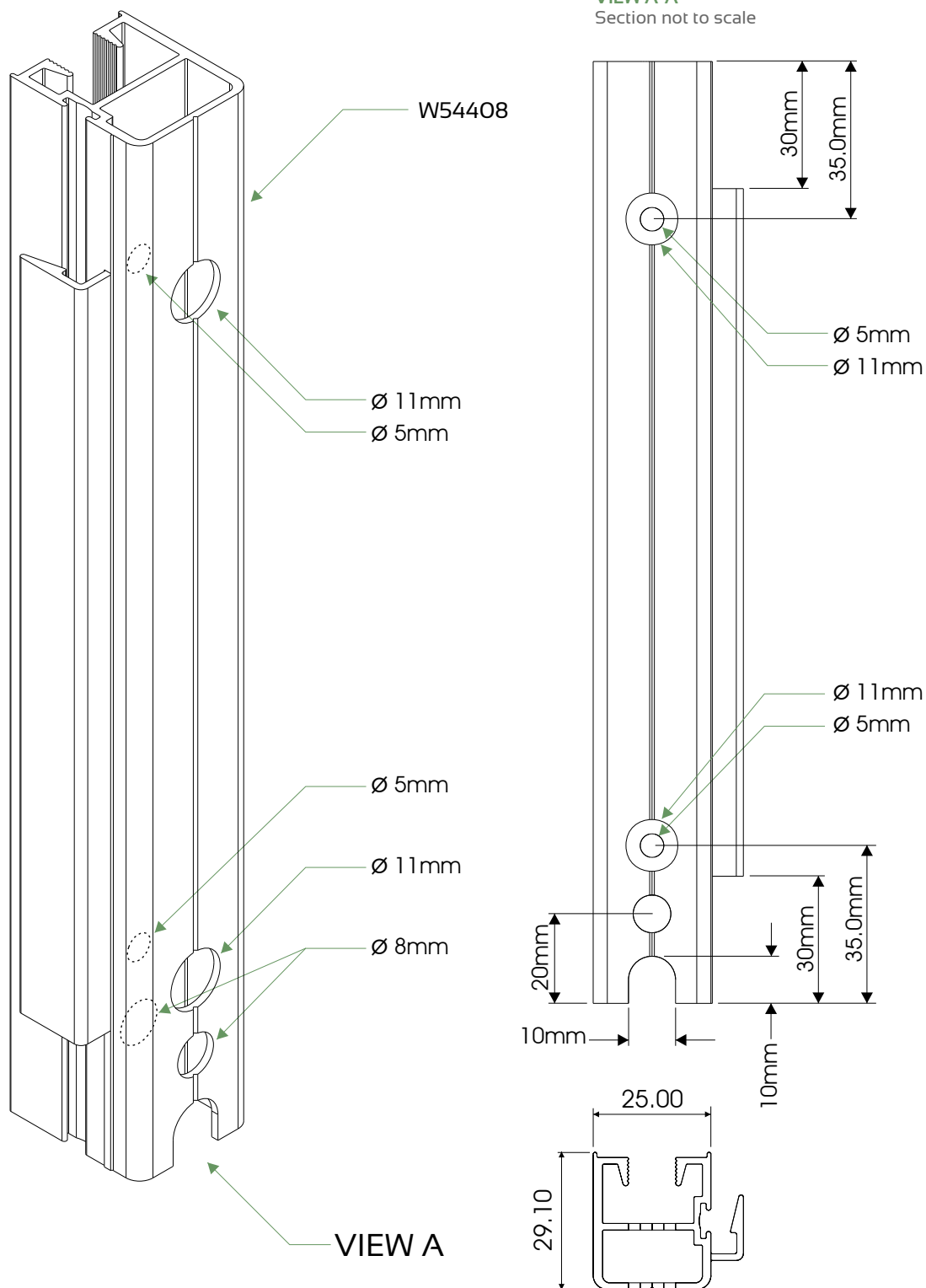


Typical Machining Details

Interlock on Sliding Panel

VIEW A-A

Section not to scale

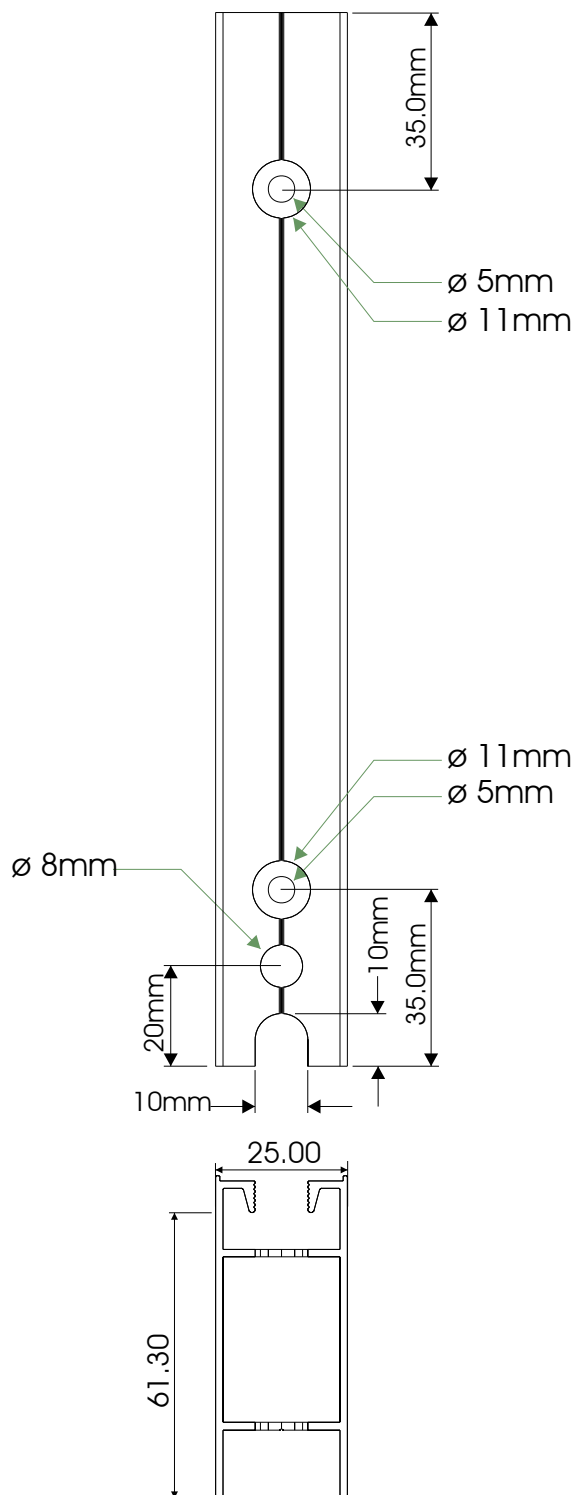
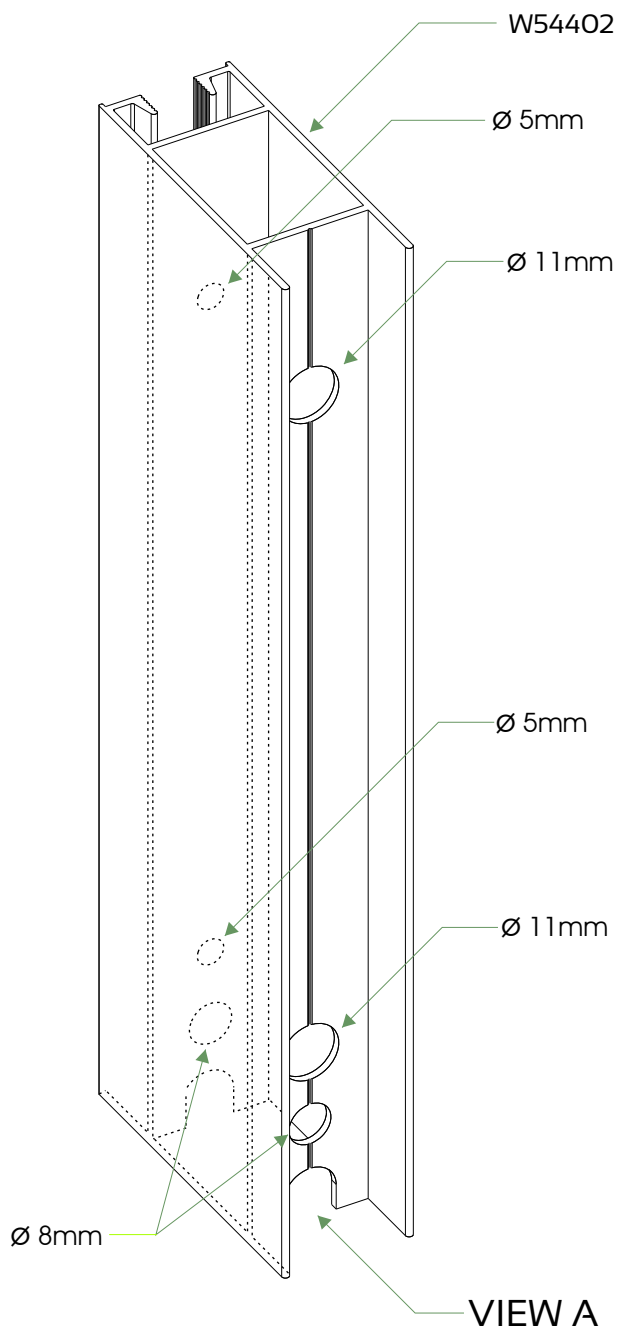


Typical Machining Details

OX Lock Stile and OXXO Meeting Stile

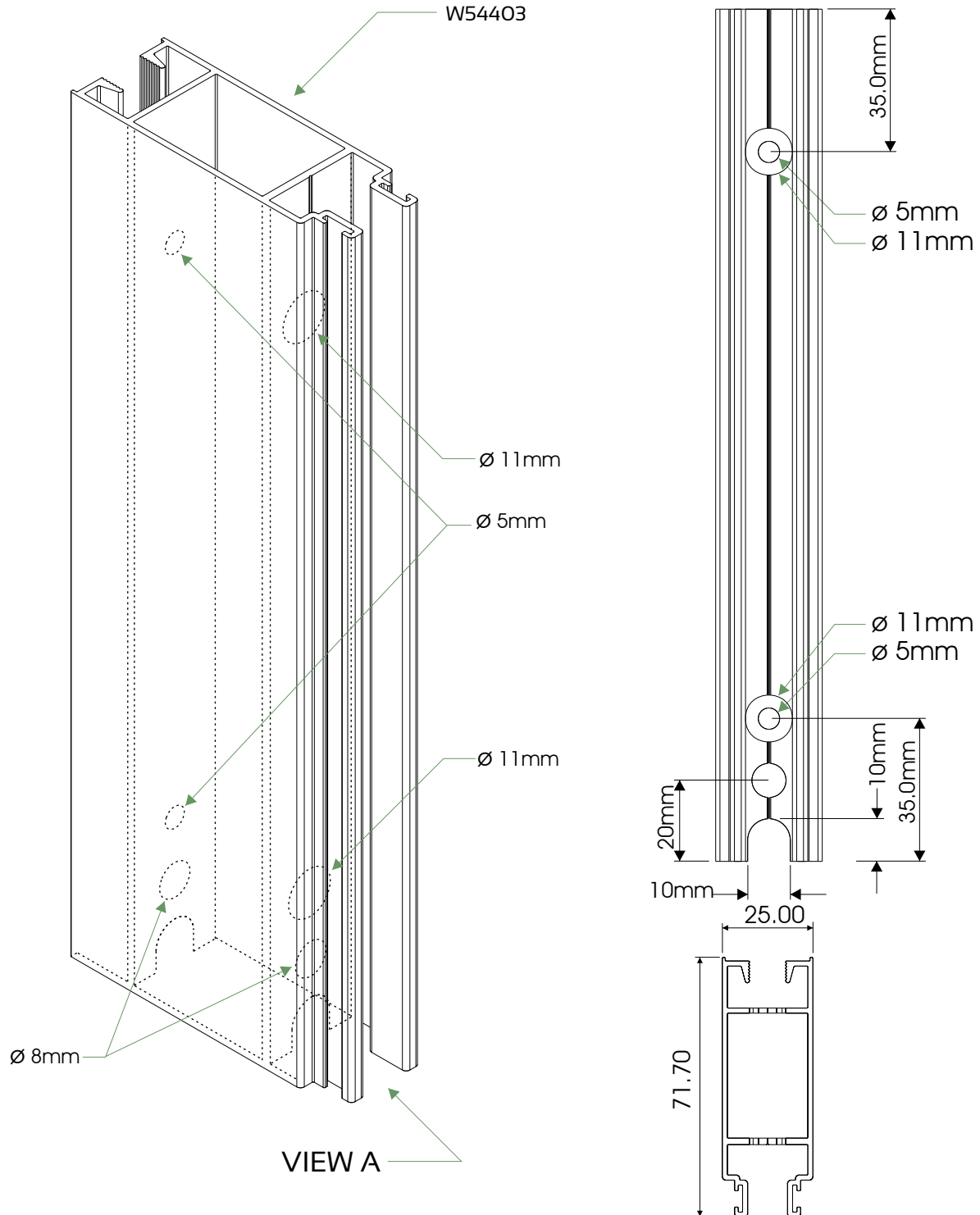
VIEW A-A

Section not to scale



VIEW A-A

Section not to scale

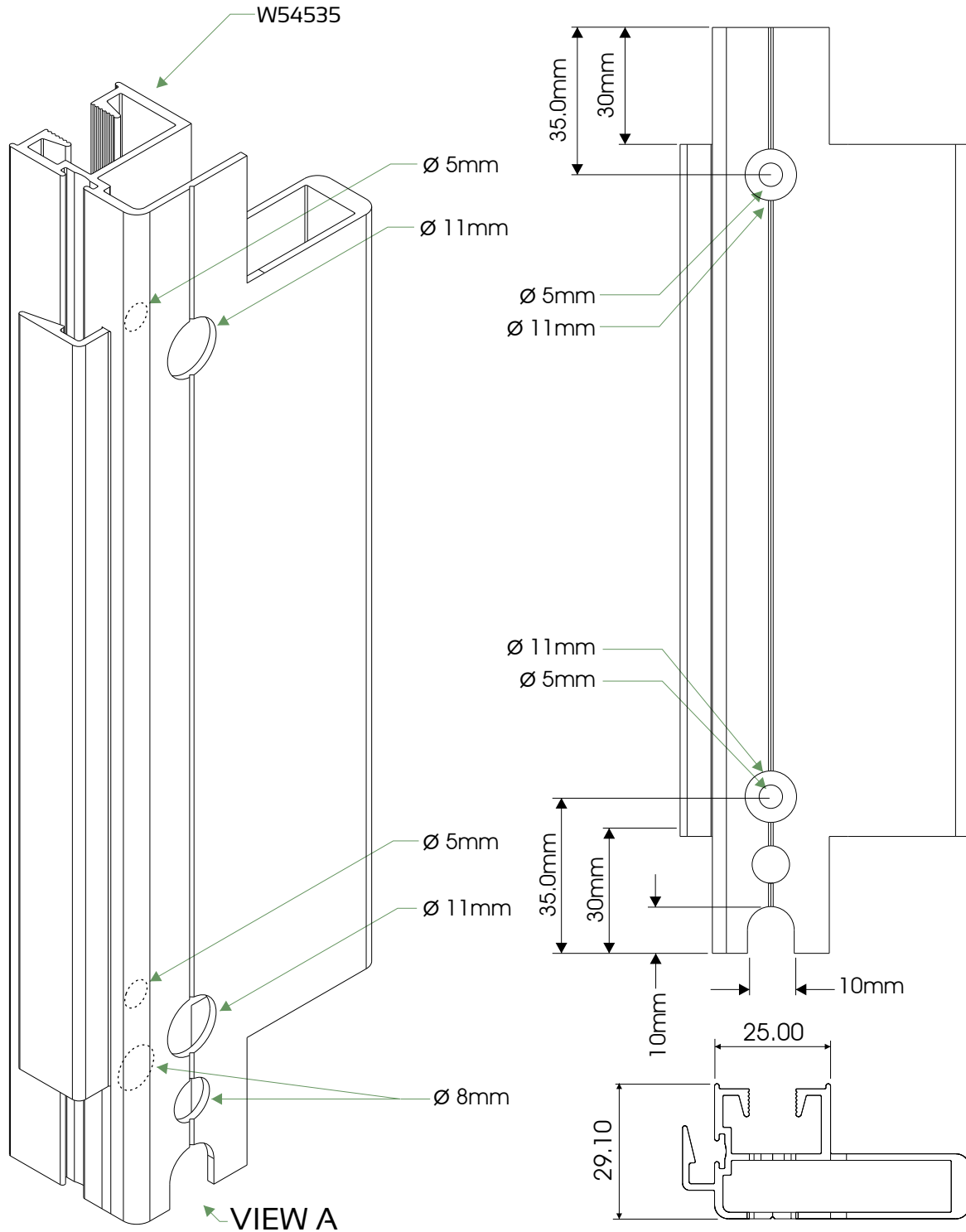


Typical Machining Details

H/D Interlock on Sliding Panel

VIEW A-A

Section not to scale

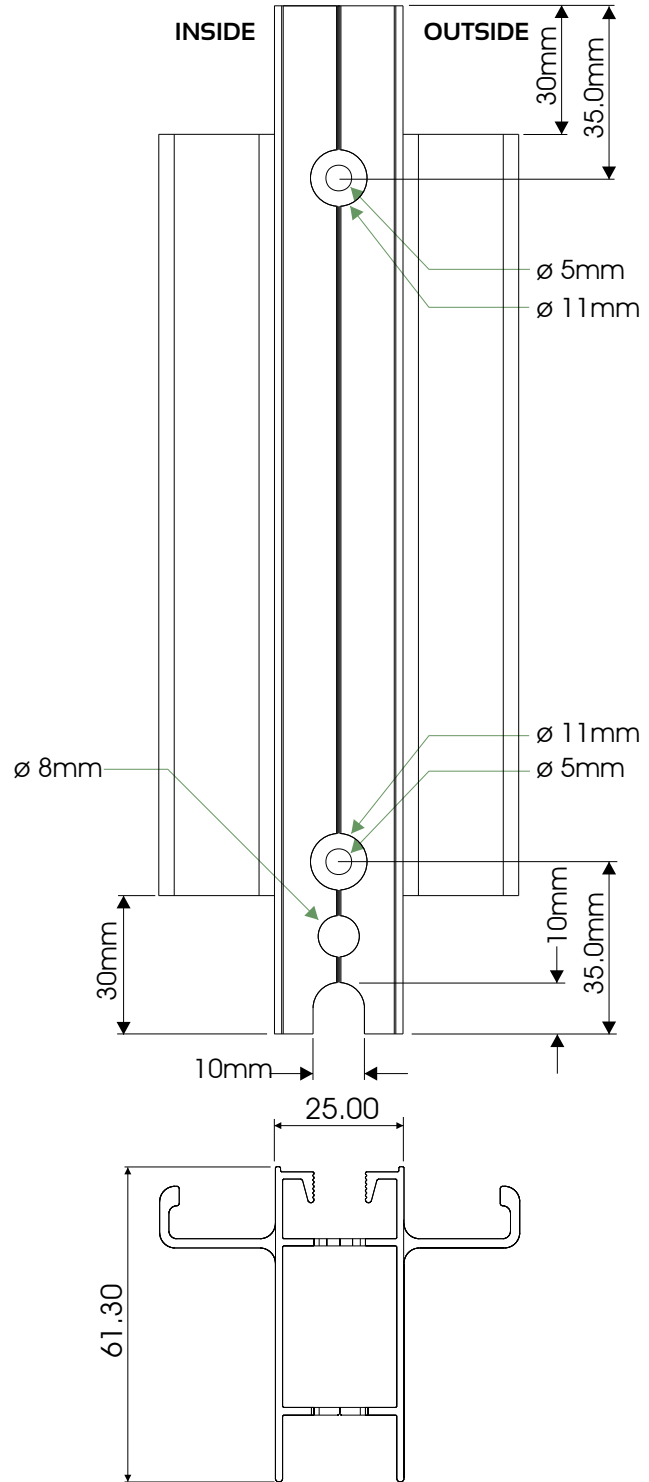
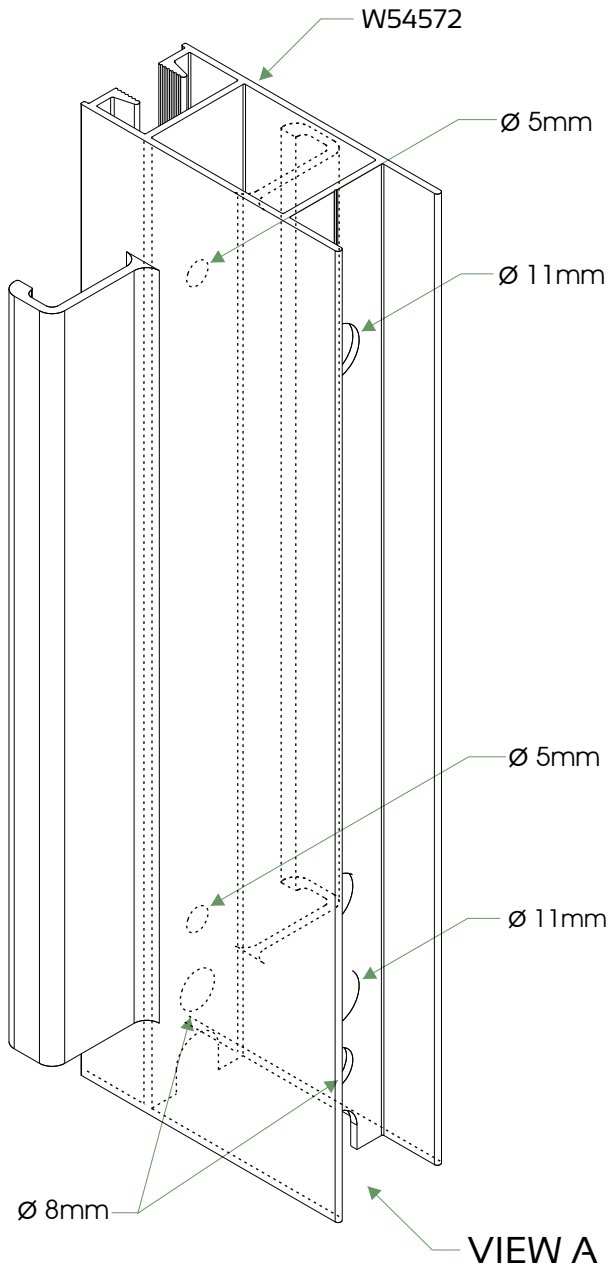


Typical Machining Details

OXXO H/D Female Meeting Stile

VIEW A-A

Section not to scale

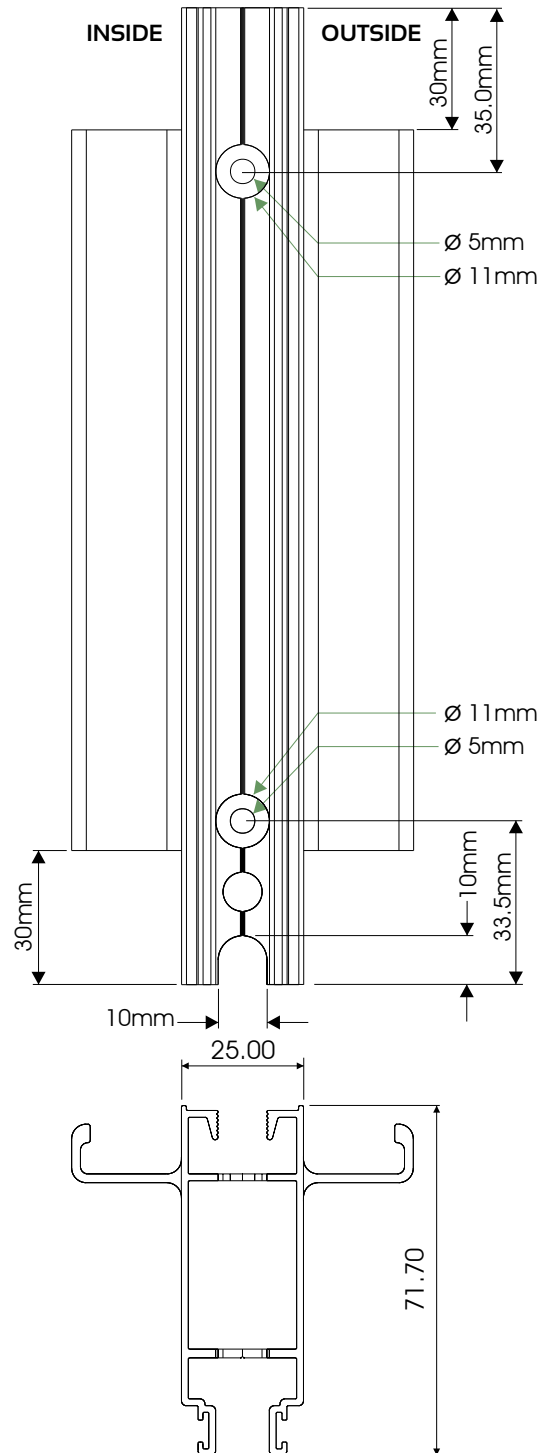
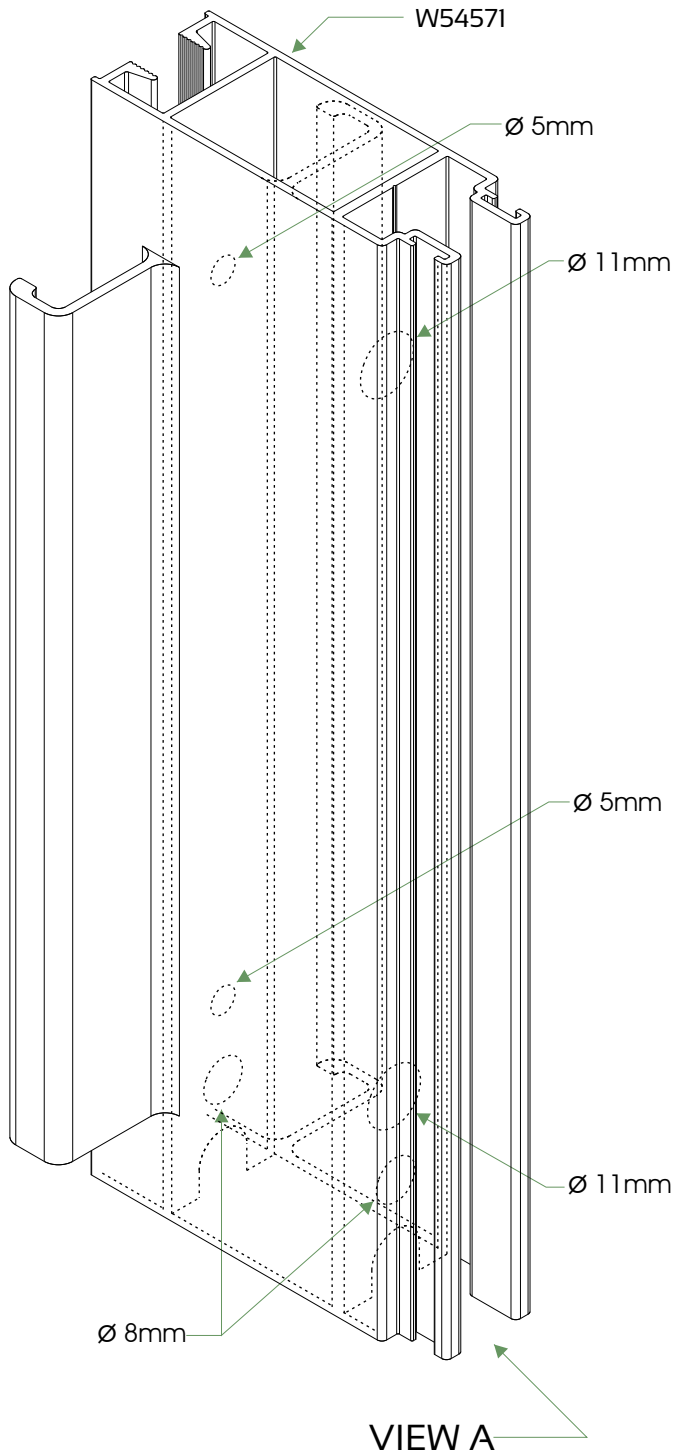


Typical Machining Details

OXXO H/D Meeting Stile

VIEW A-A

Section not to scale

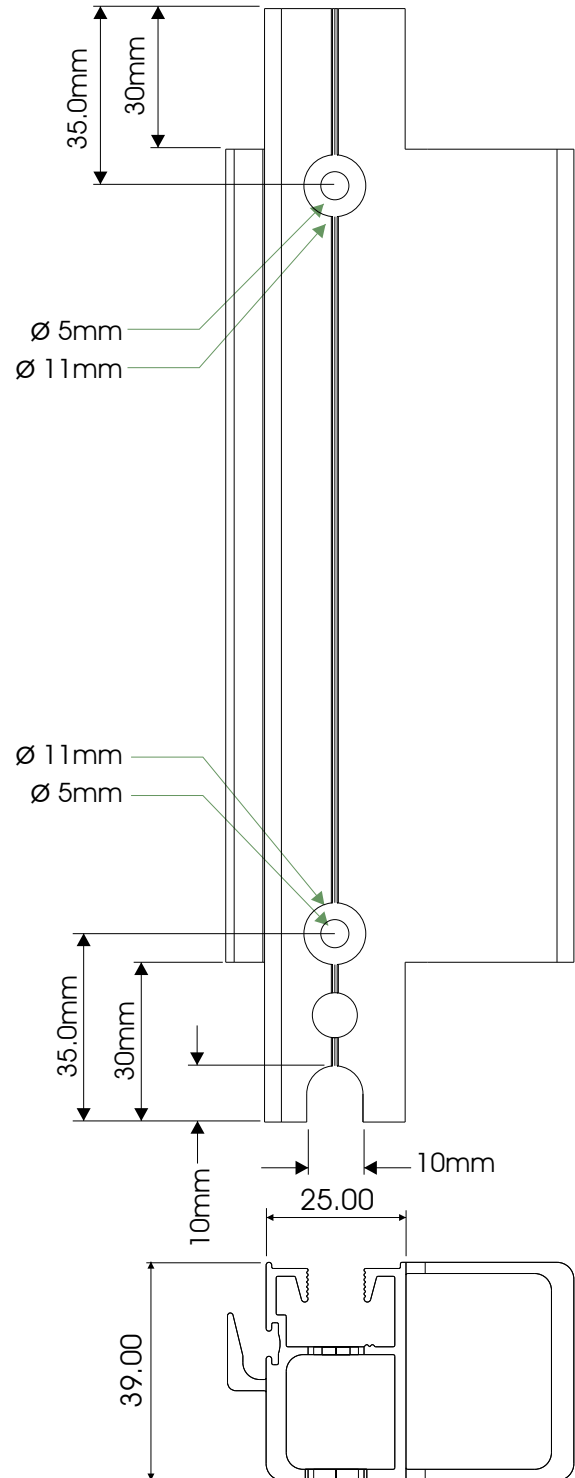
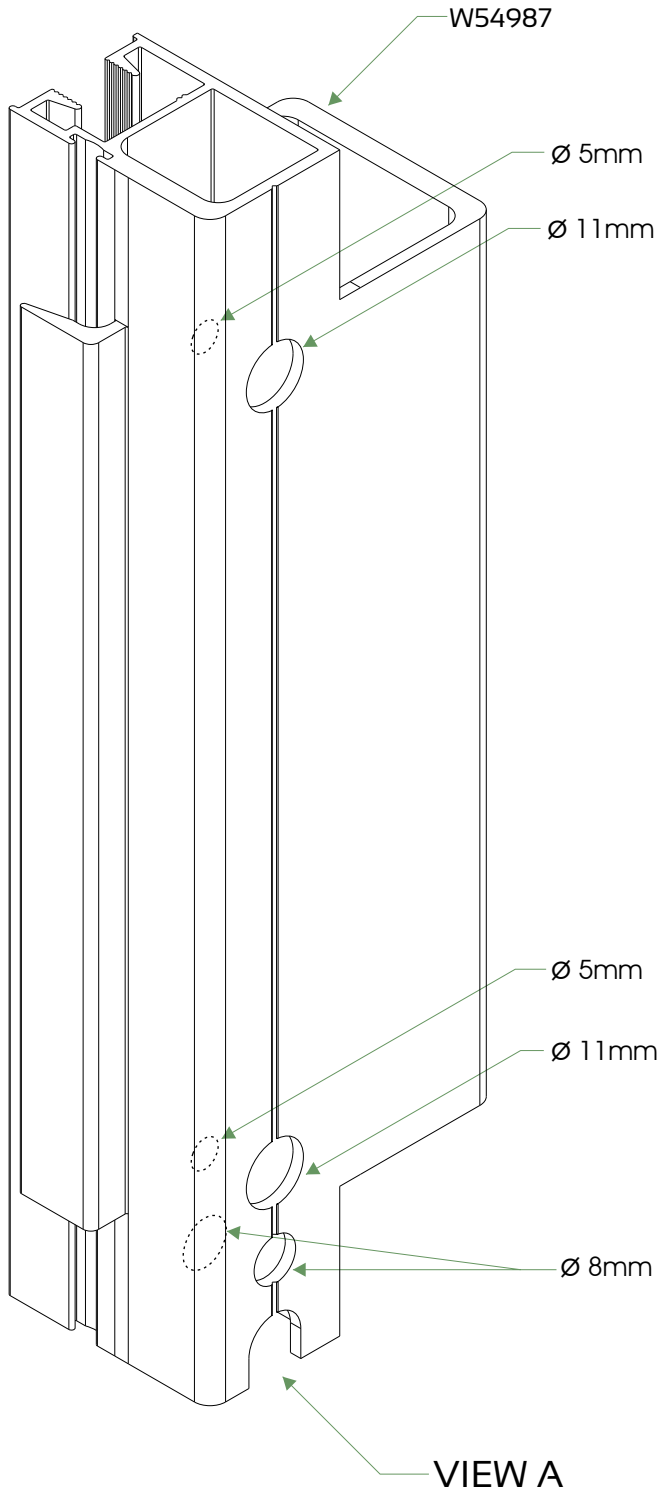


Typical Machining Details

Extra H/D Interlock on Sliding Panel

VIEW A-A

Section not to scale

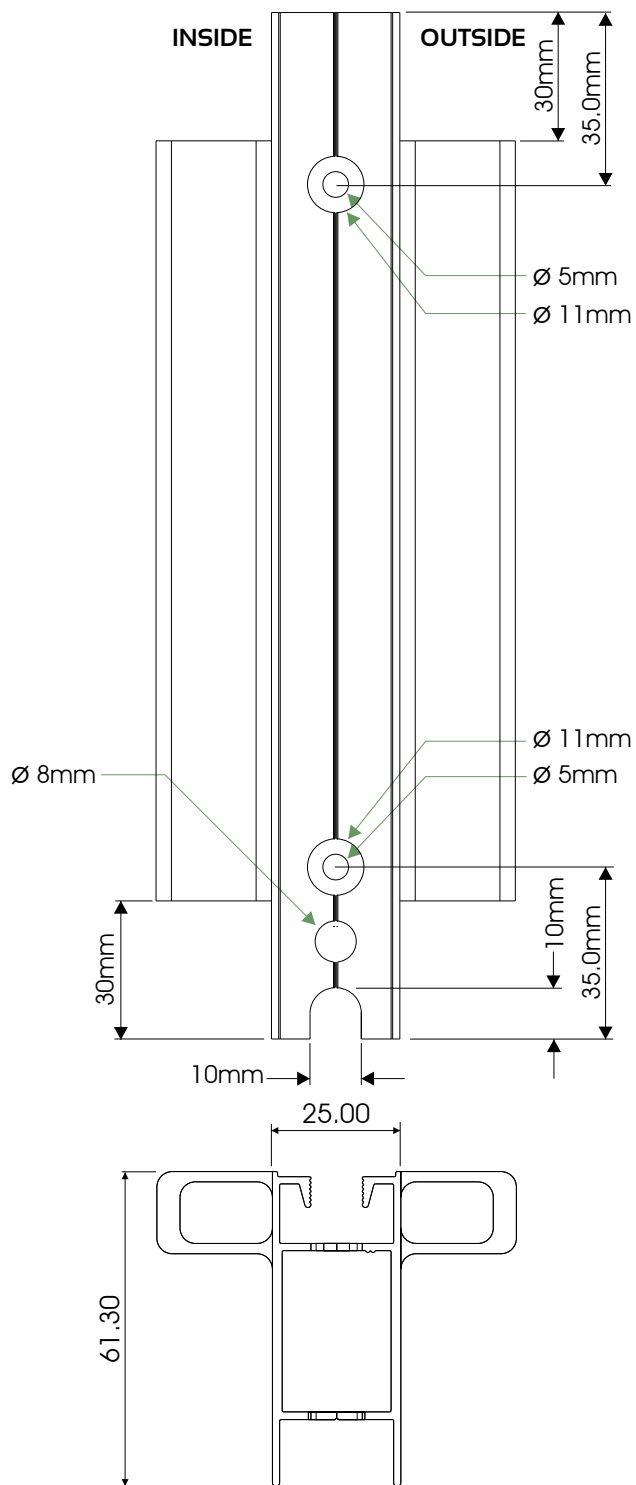
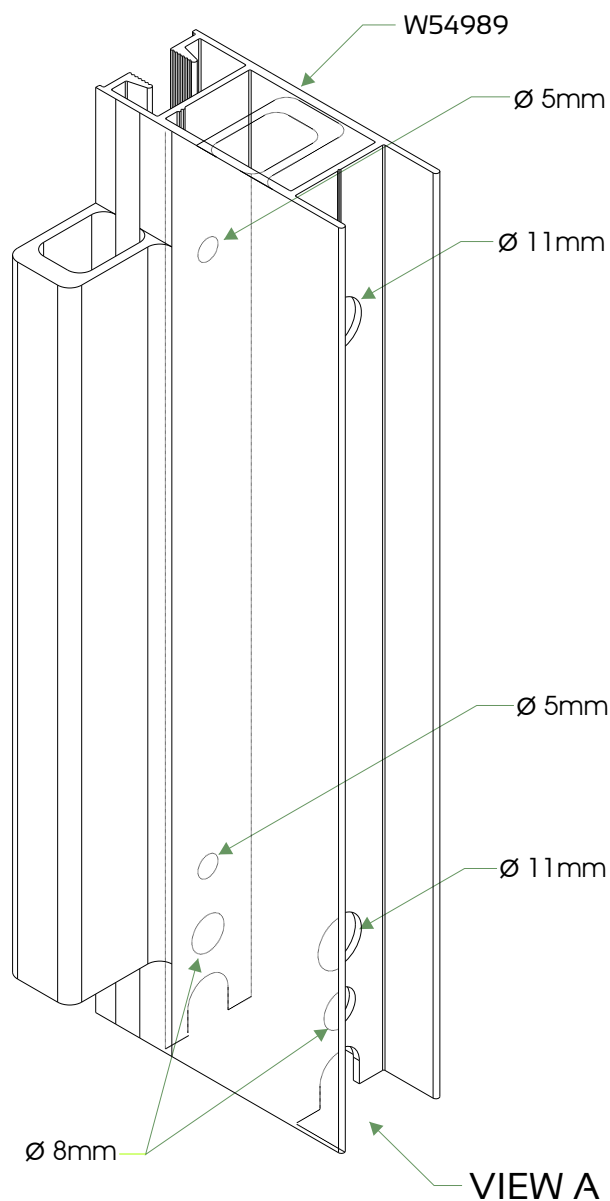


Typical Machining Details

OXXO Extra H/D Female

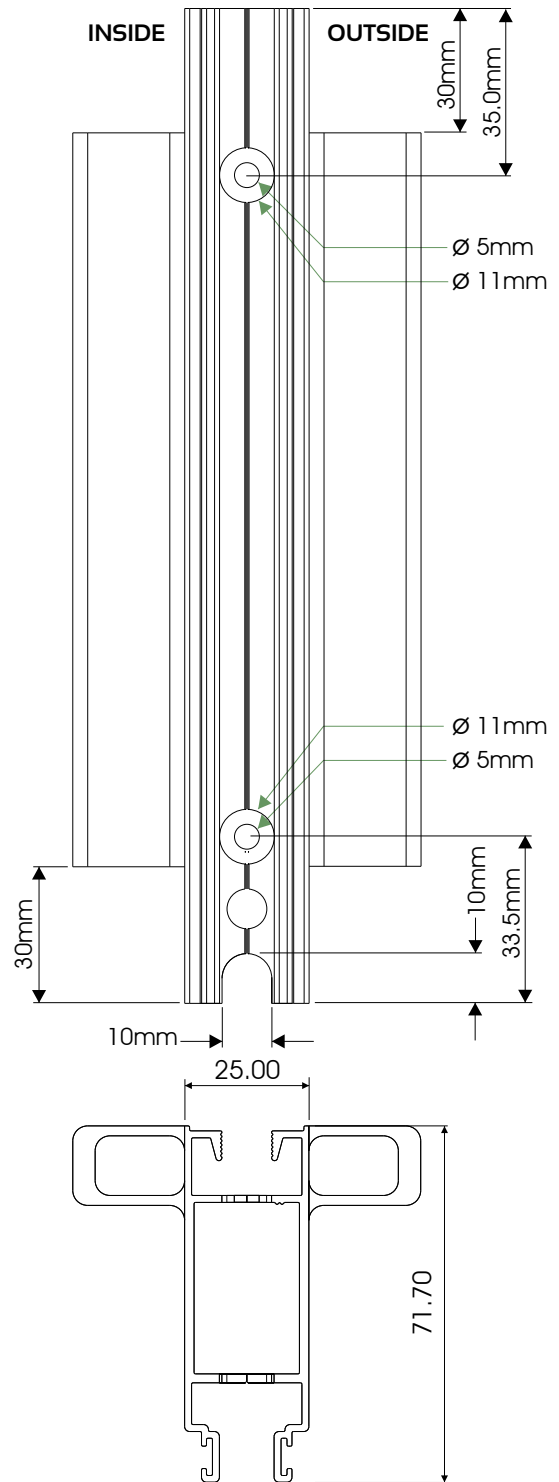
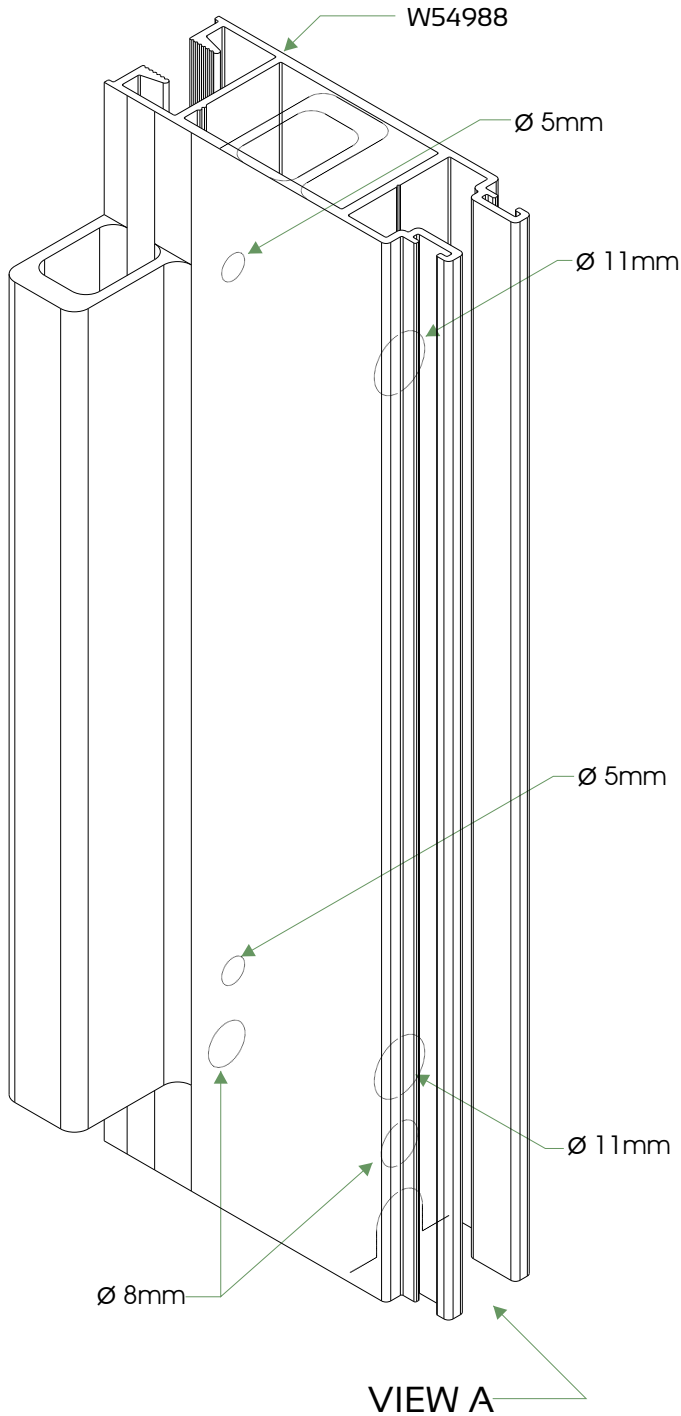
VIEW A-A

Section not to scale



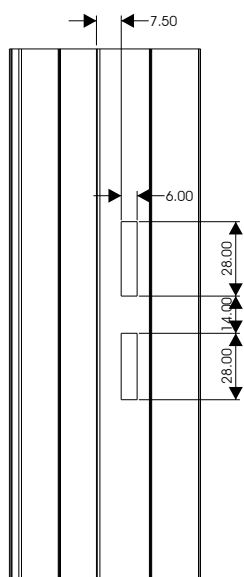
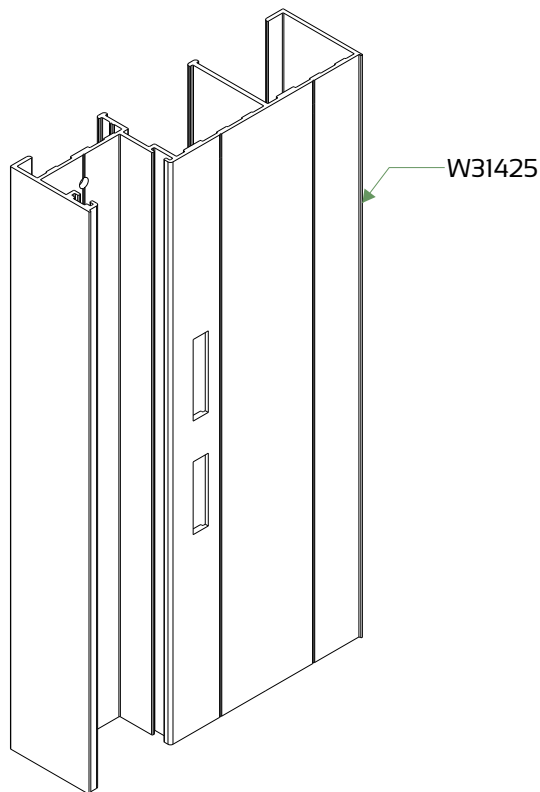
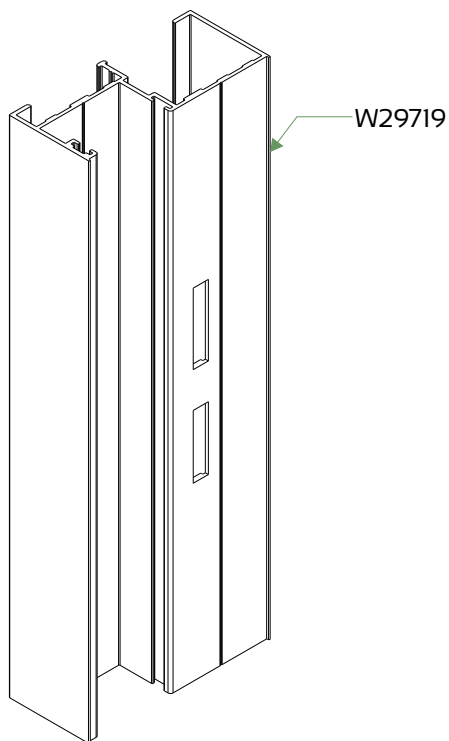
VIEW A-A

Section not to scale

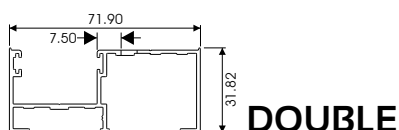


Typical Machining Details

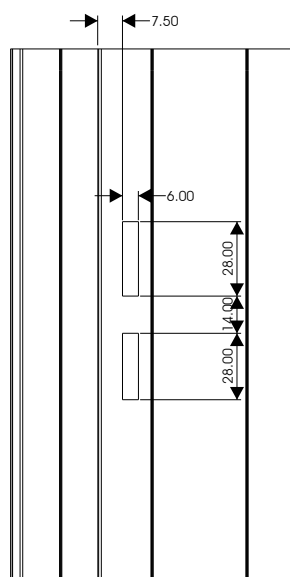
Handle on Jamb Frames



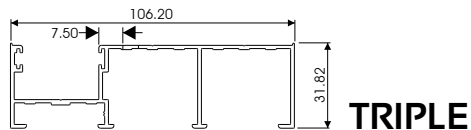
VIEW A



DOUBLE

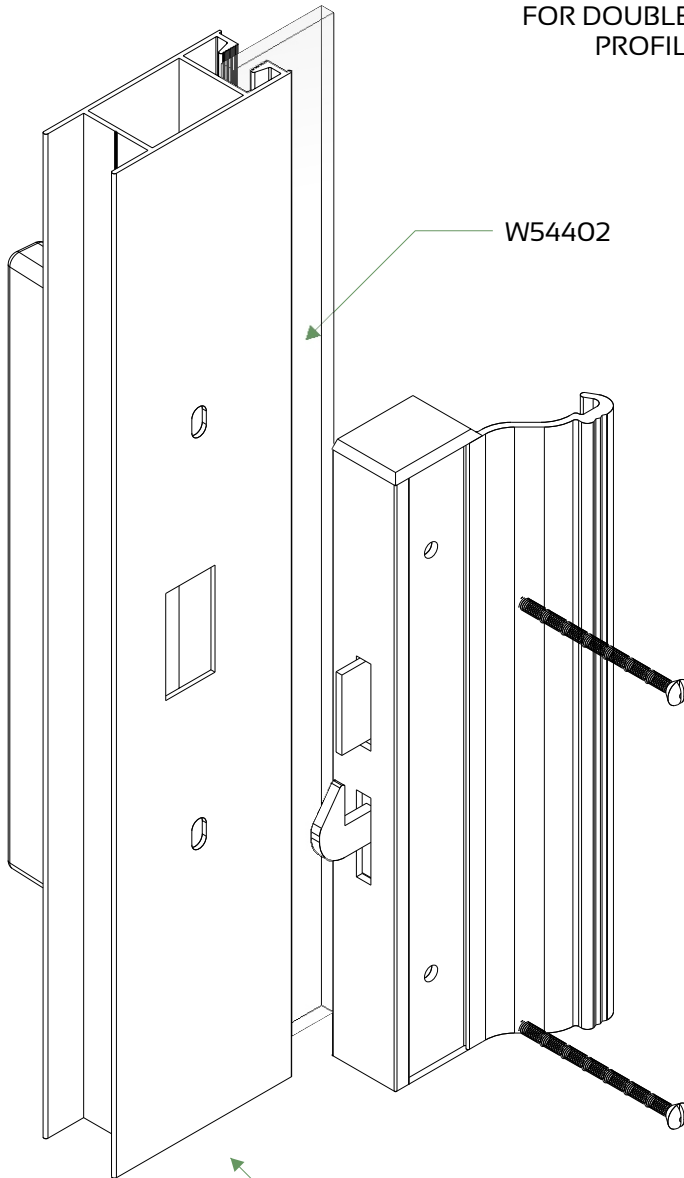


VIEW A



TRIPLE

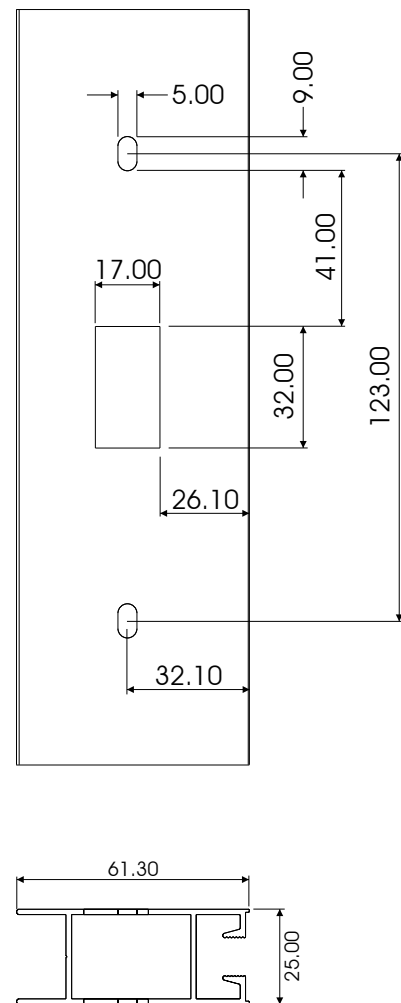
NOTE: FOR SINGLE PATIO DOOR HANDLE (PL1/CP4)
PROFILE IS NOT MACHINED THROUGH.
FOR DOUBLE PATIO DOOR HANDLE (PL1/CP4)
PROFILE IS MACHINED THROUGH.



VIEW A

VIEW A-A

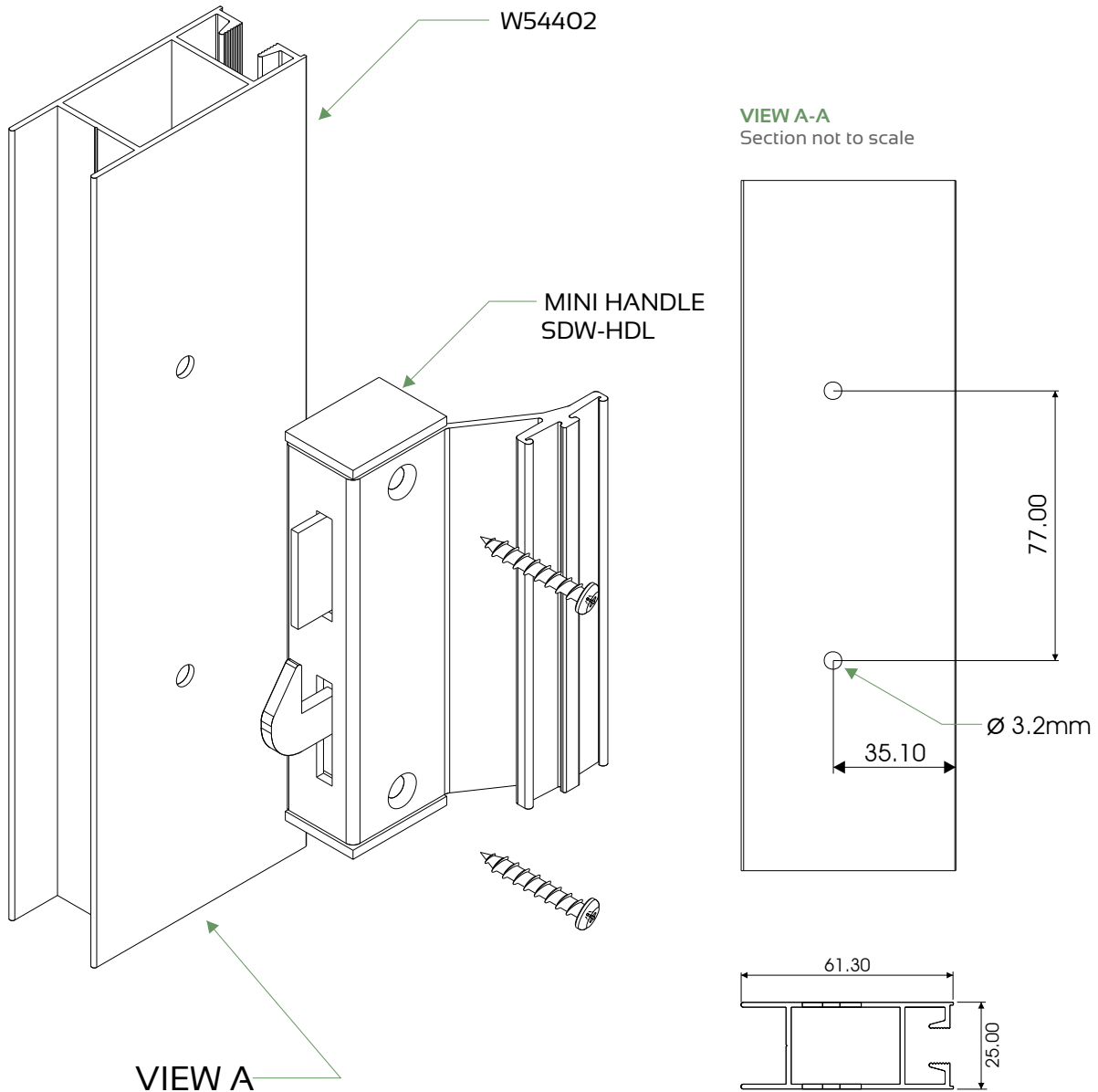
Section not to scale



Typical Machining Details

Mini Handle on Lock Stile

NOTE: FOR SINGLE PATIO DOOR MINI HANDLE
PROFILE IS NOT MACHINED THROUGH.
FOR DOUBLE PATIO DOOR MINI HANDLE
PROFILE IS MACHINED THROUGH.

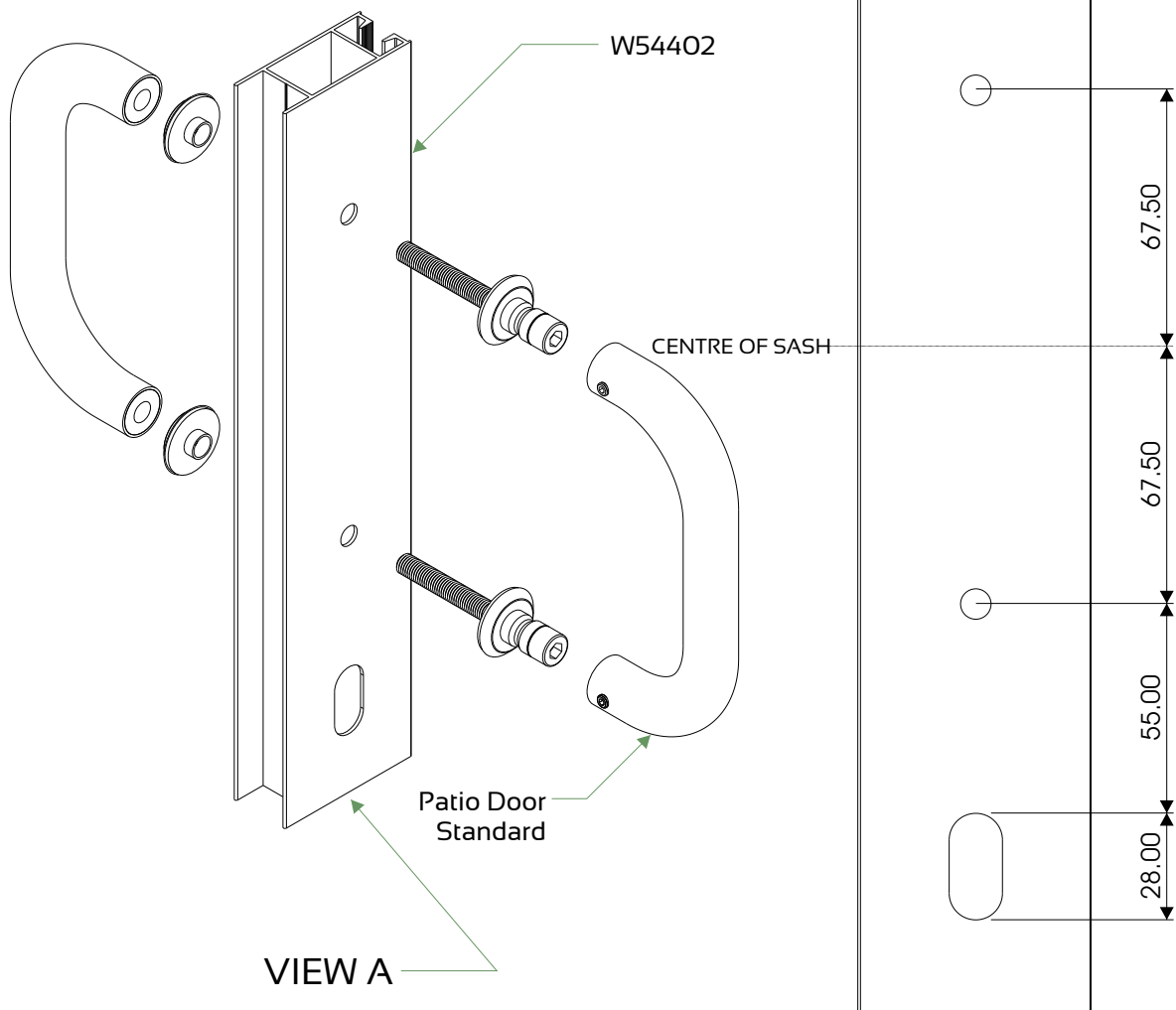


Typical Machining Details

D-Type Handle on Lock Stile

VIEW A-A

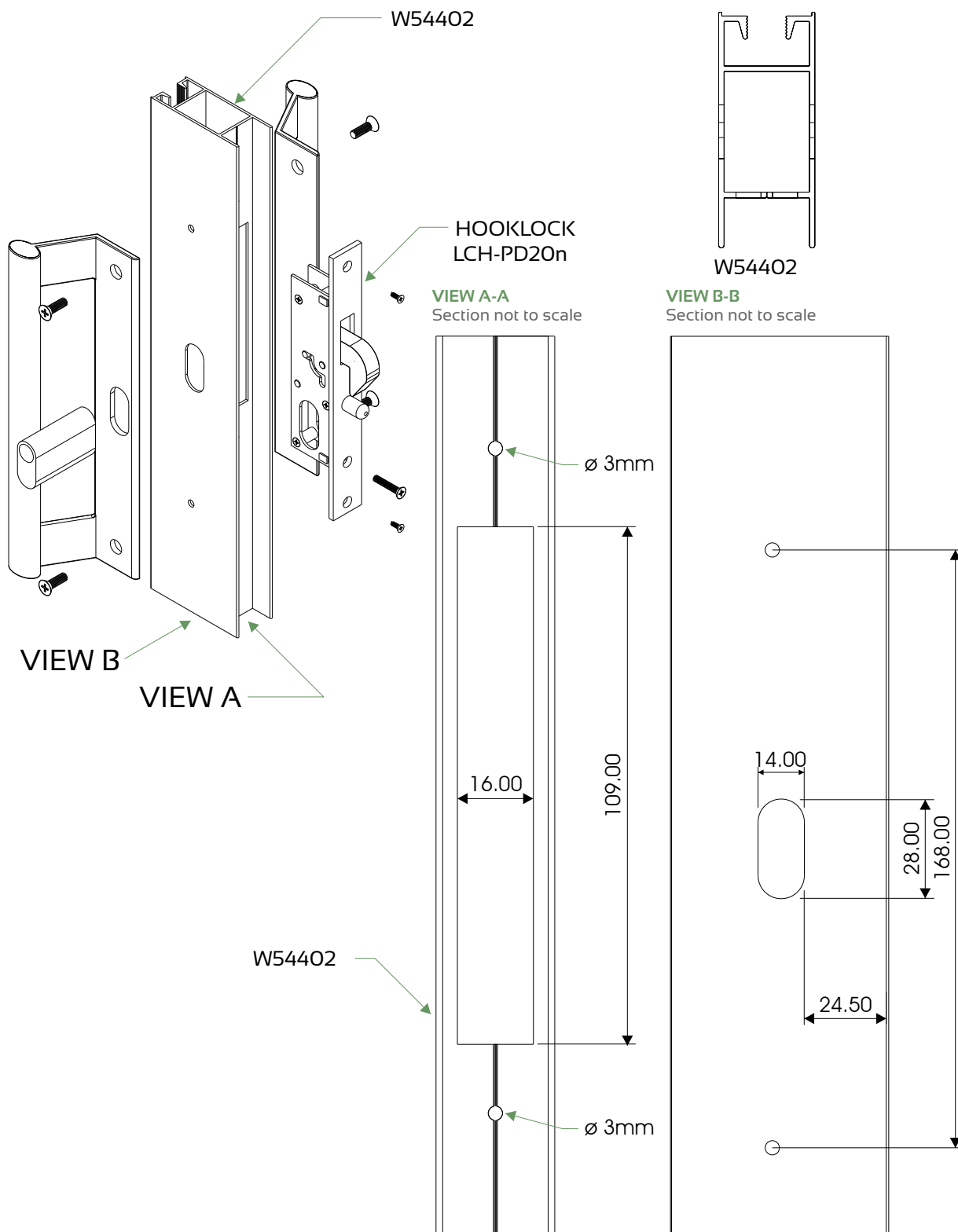
Section not to scale



NOTE: FOR SINGLE PATIO DOOR MINI HANDLE (SDW-HDL)
PROFILE IS NOT MACHINED THROUGH.
FOR DOUBLE PATIO DOOR MINI HANDLE (SDW-HDL)
PROFILE IS MACHINED THROUGH.

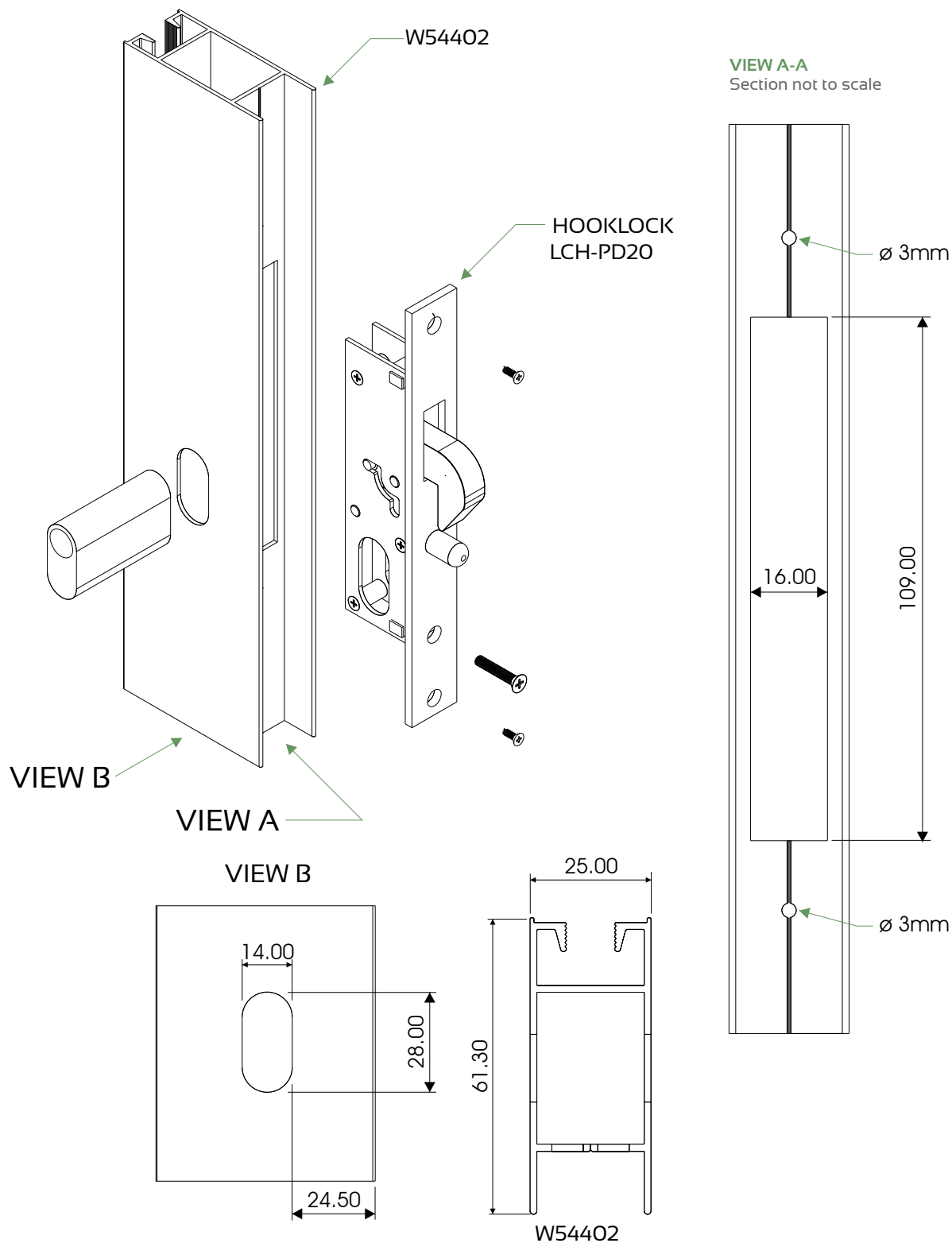
Typical Machining Details

Handle Lock Combo on Lock Stile



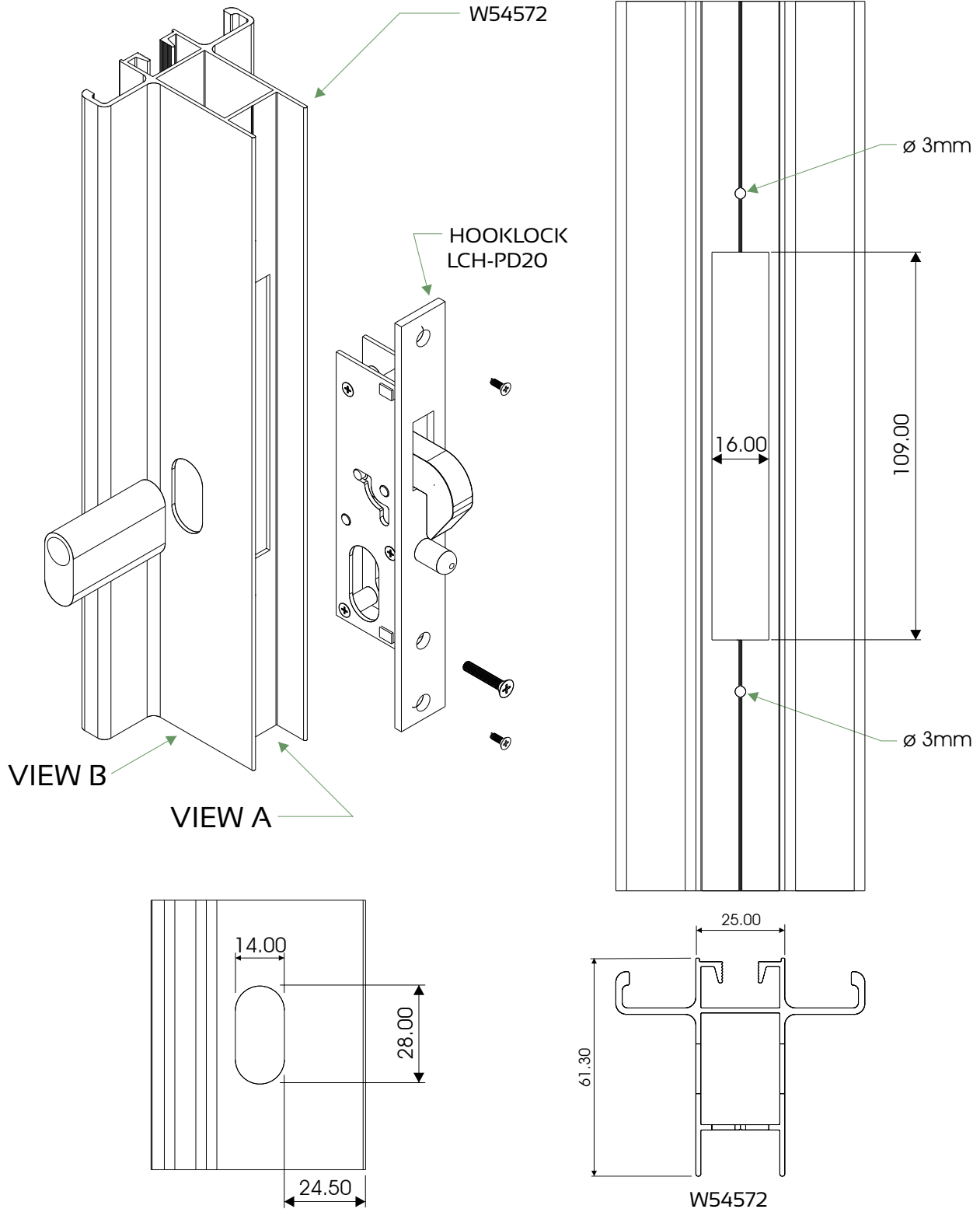
Typical Machining Details

Hook Lock on Lock Stile



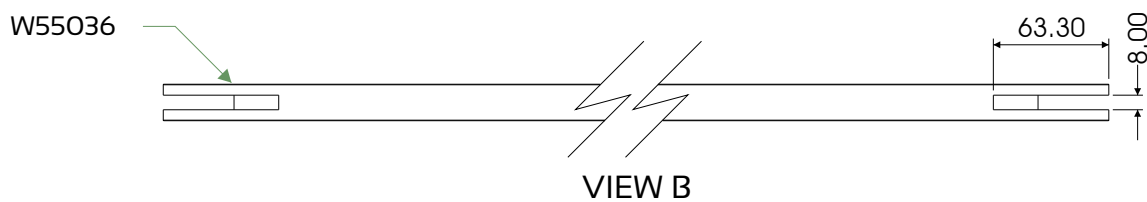
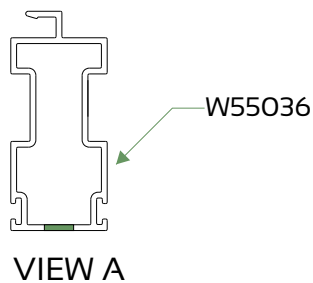
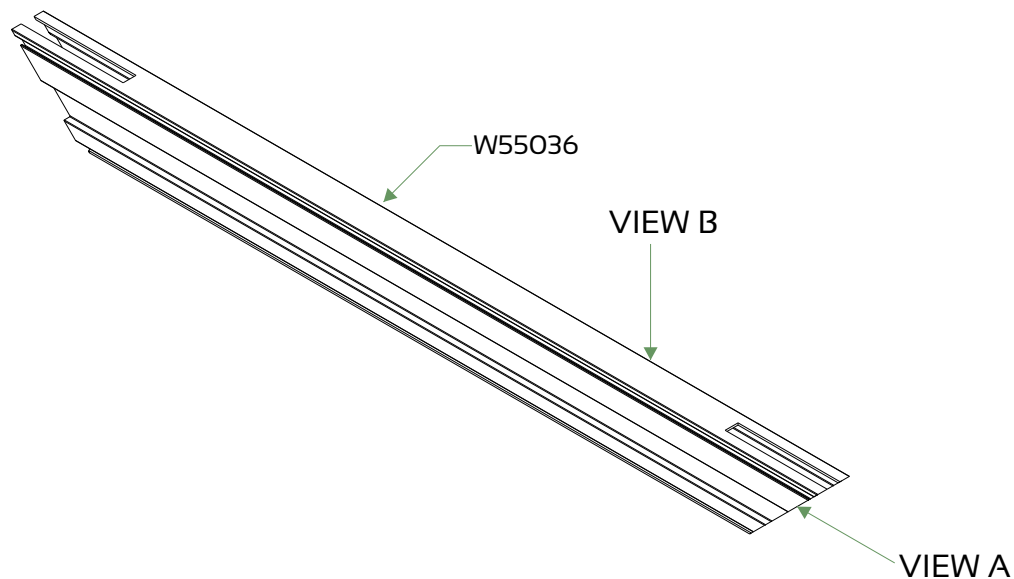
Typical Machining Details

Hook Lock on Heavy Duty Lock Stile



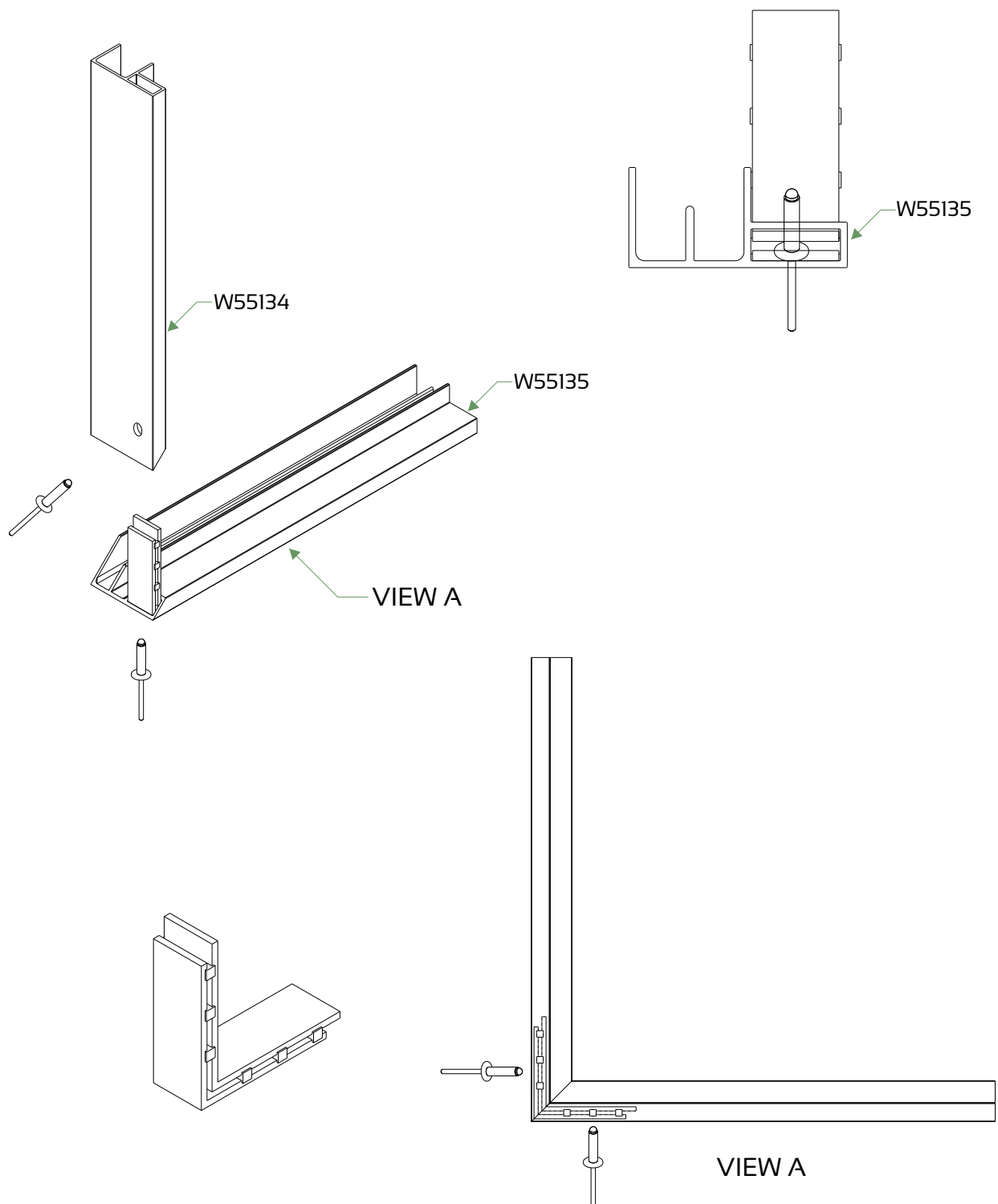
Typical Machining Details

Sash Detail for Wheel Positioning



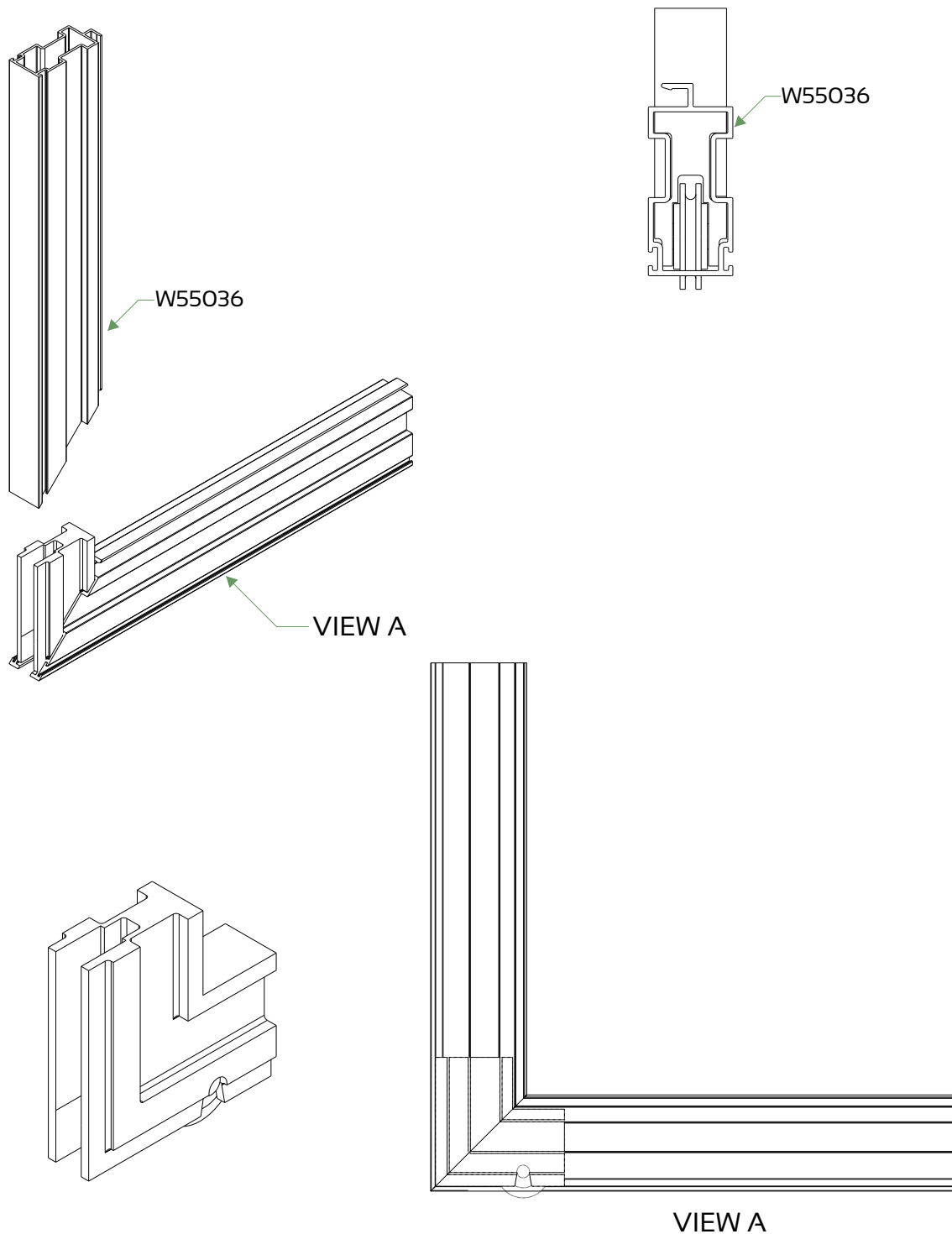
Typical Assembly Details

Outer Frame Corner Cleat



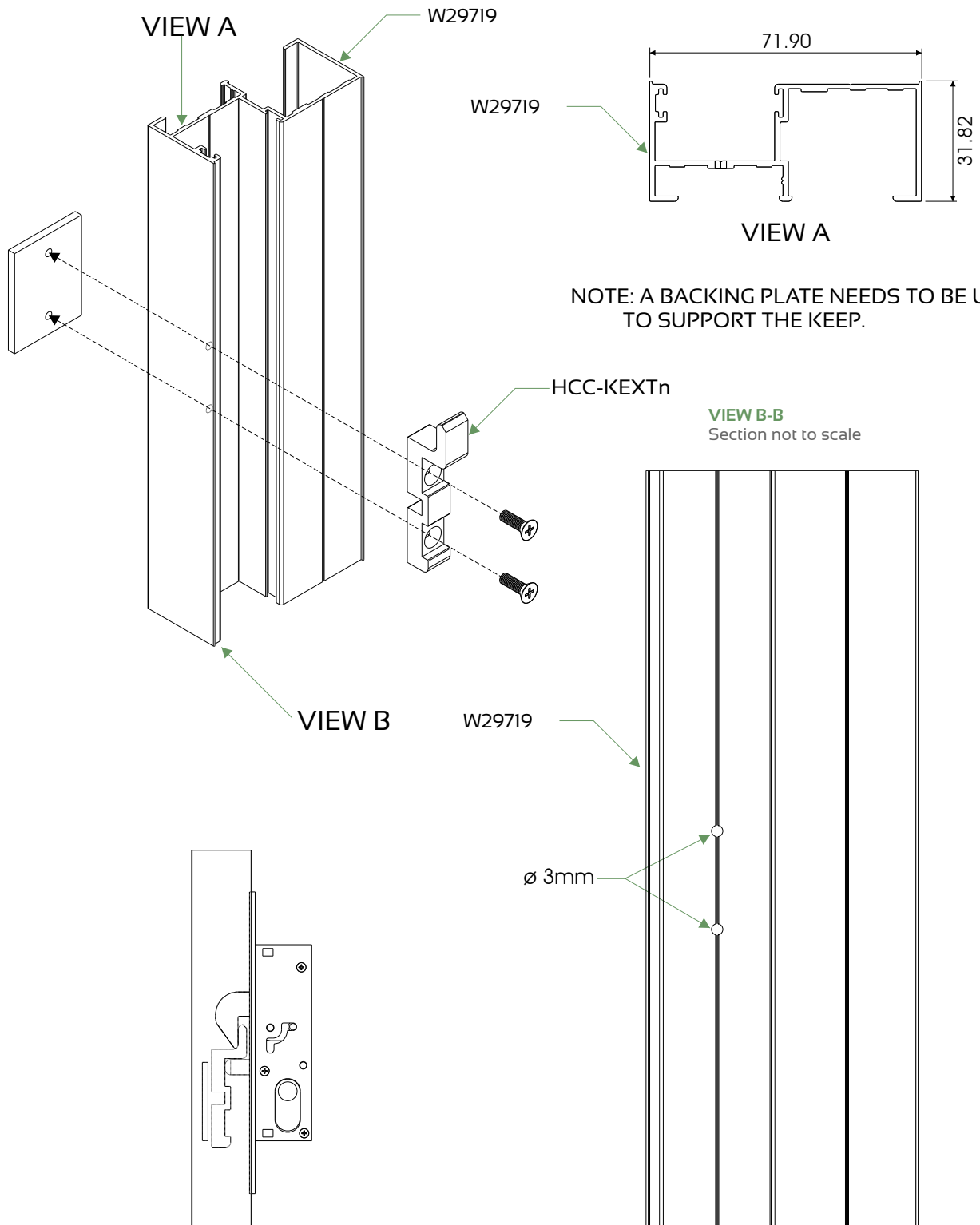
Typical Assembly Details

Sash Corner Cleat



Typical OX Keep Assembly

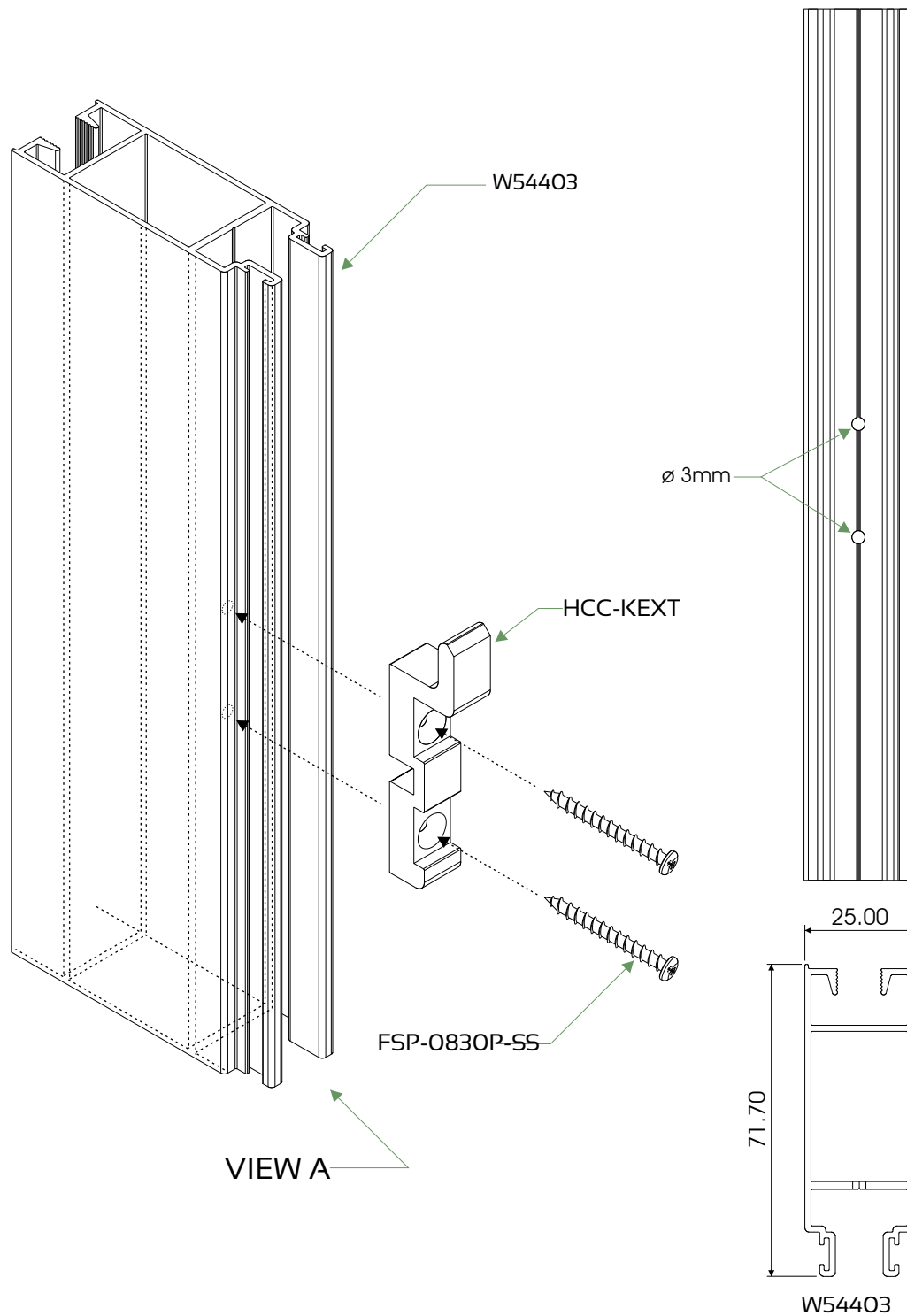
on Frame Jamb when Installing Hook Lock



Typical OXXO Keep Assembly

when Installing Hook Lock

VIEW B-B
Section not to scale

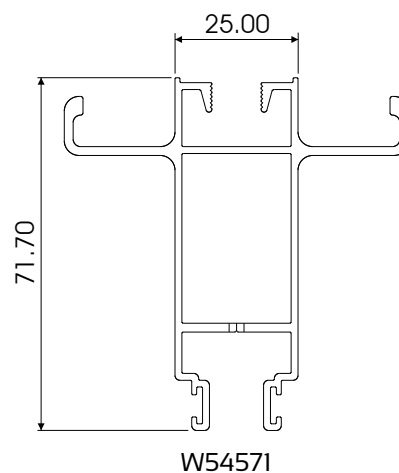
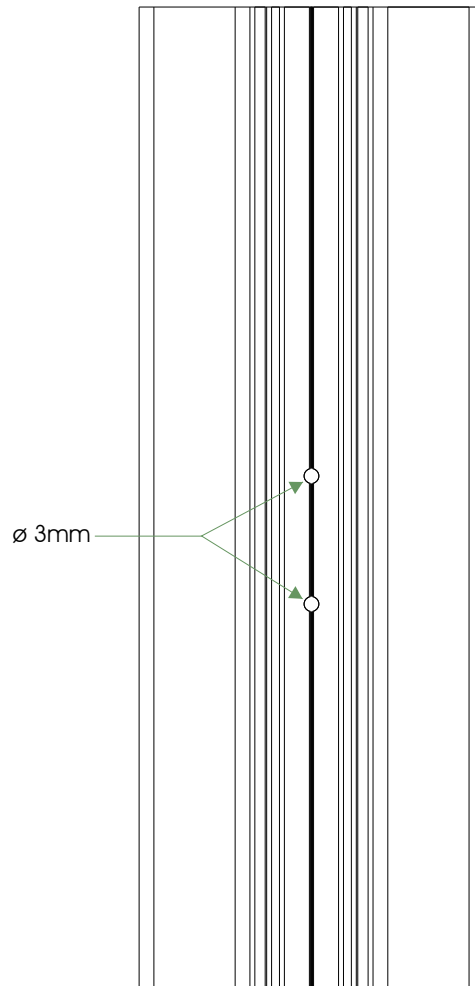
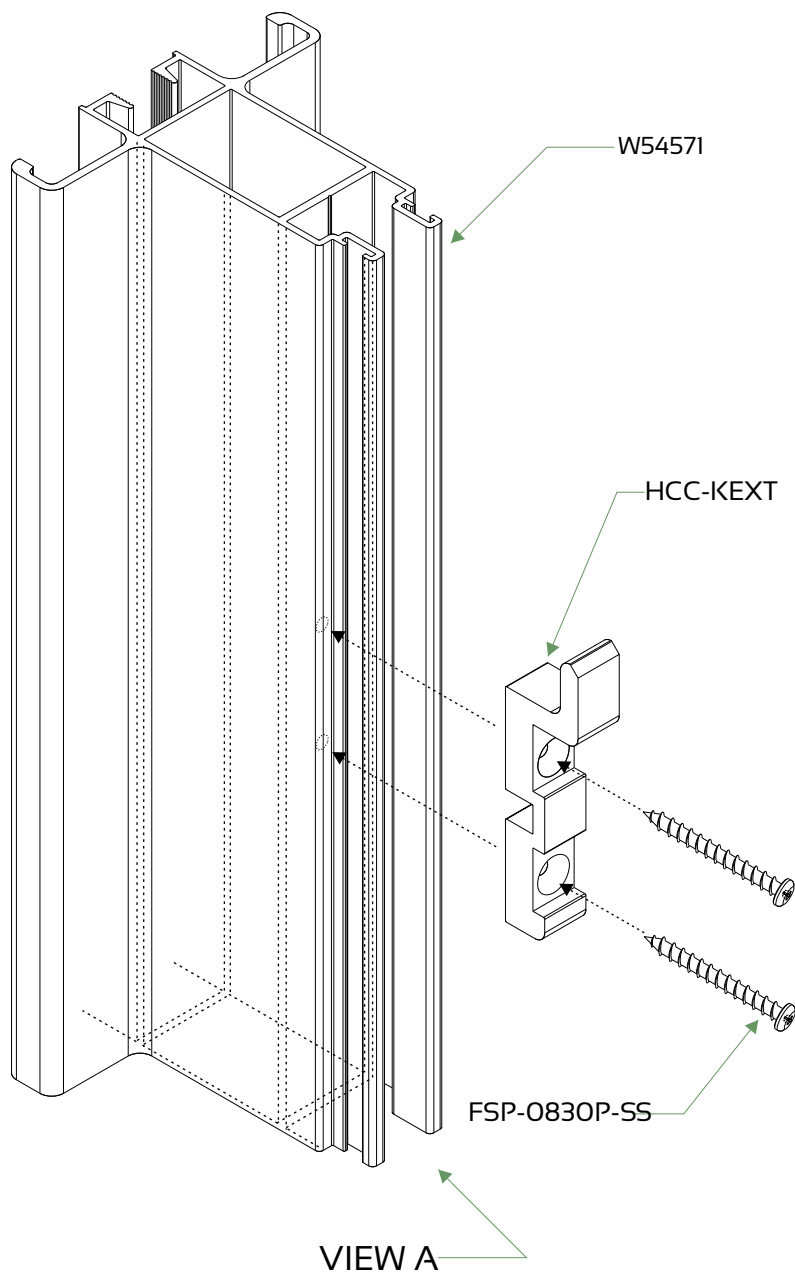


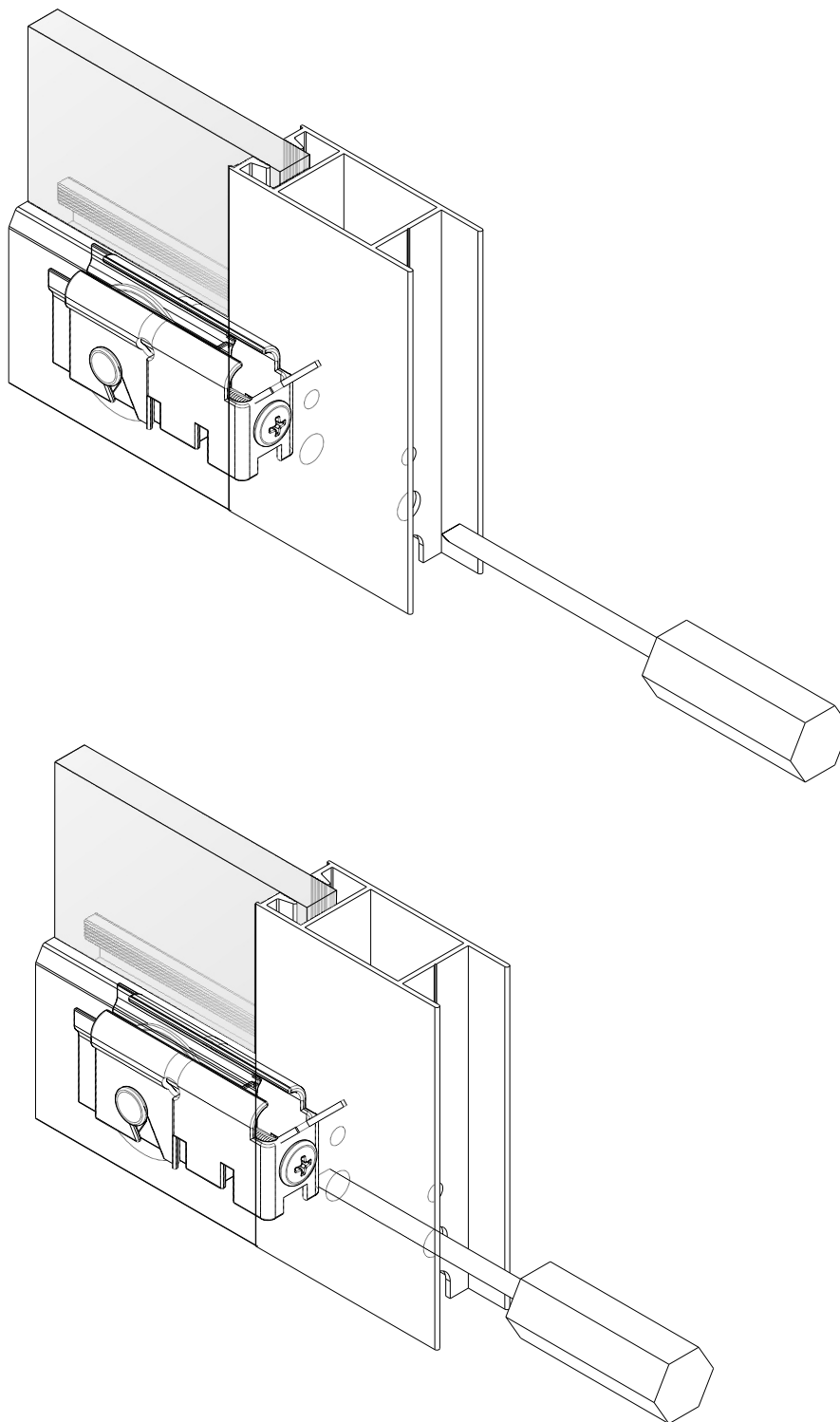
Typical OXXO Keep Assembly

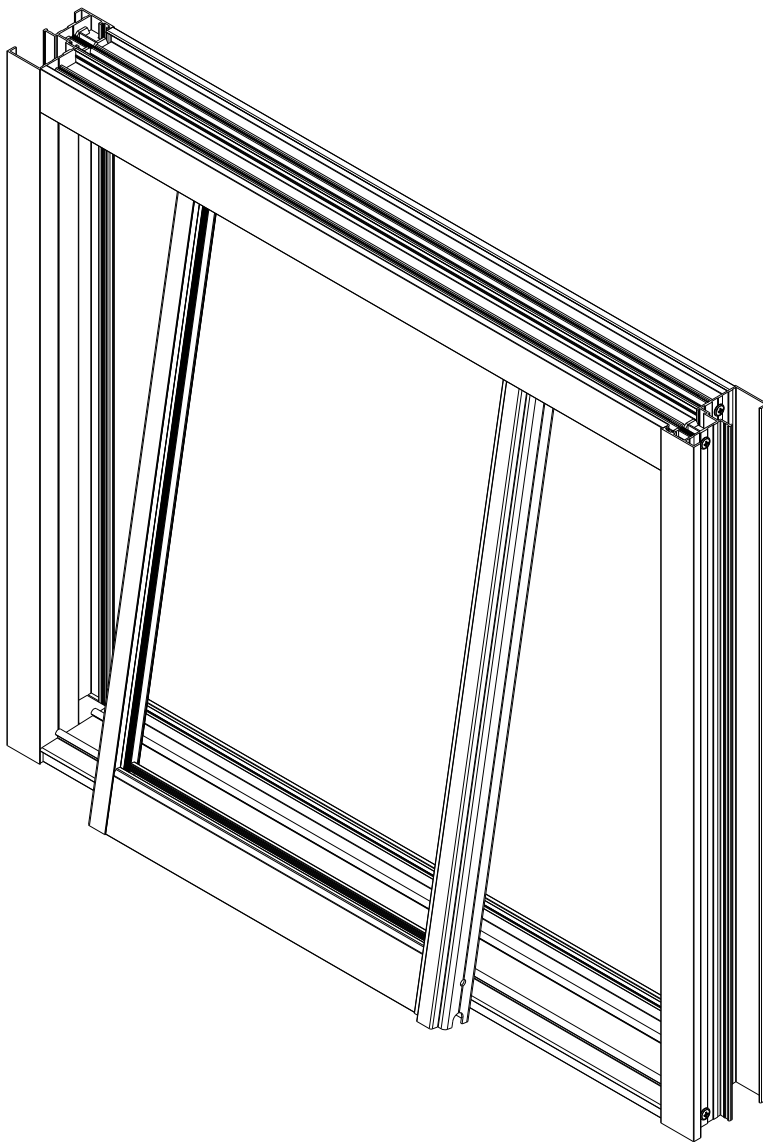
H/D Detail when Installing Hook Lock

VIEW A-A

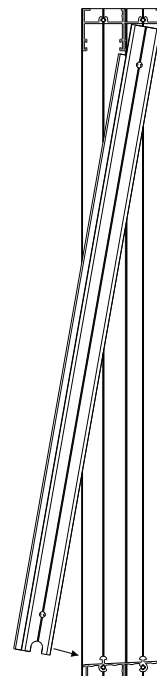
Section not to scale

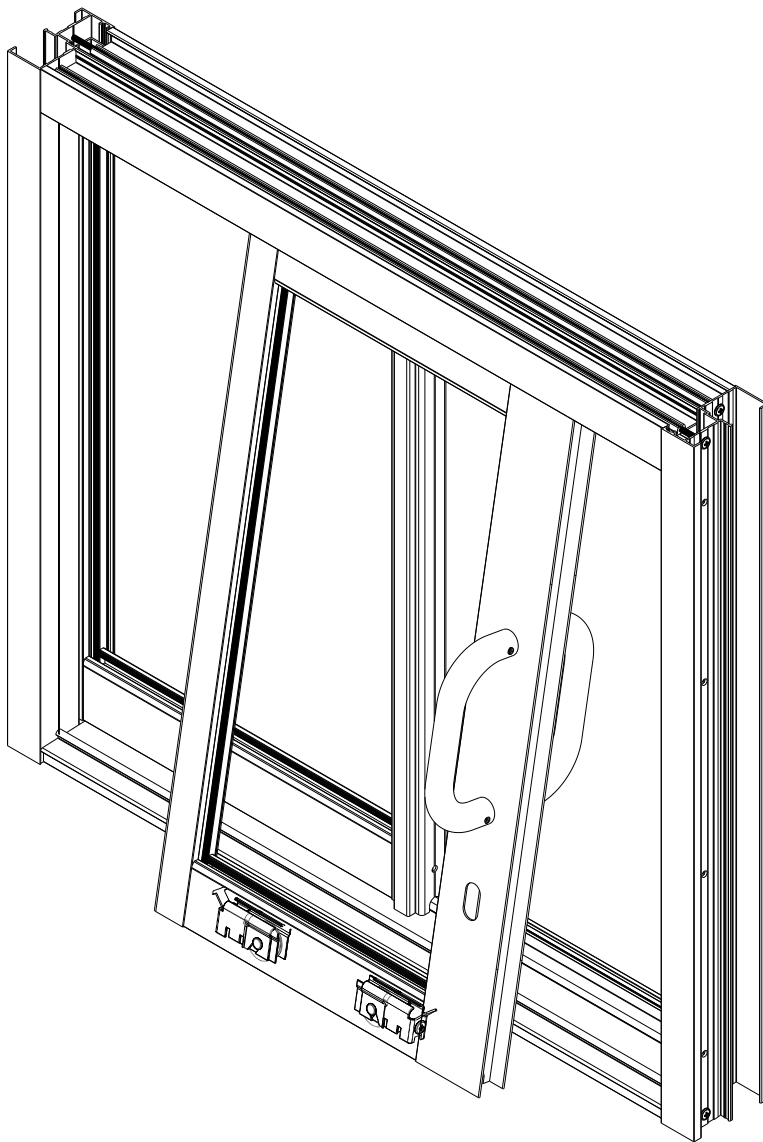






SASH IS INSERTED INTO THE TOP





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