PRODUCT MANUAL
REVISION 2.0

PIVOT 38
WINDOW (38mm)

crealco
creative aluminium

WISPECO
Aluminium

WISPECO Aluminium

LEGAL DISCLAIMER

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 a Wispeco Technical Representative before proceeding. It is advisable to have all sizing and performance criteria checked by a qualified structural engineer to ensure that all performance and compliance 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.

This Guide may be reproduced in whole or in part in any form or by any means provided the reproduction or transmission acknowledges the origin, revision number and copyright date.

Specifications concerning products and applications
This manual is based on standard configurations only. As there are many configurations not covered in this manual, contact a Wispeco Technical Consultant with regard to a configuration not represented herein.

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 Crealco Silicon. 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.

All drawings in the Wispeco Documentation are shown NOT to scale are used for illustrative purposes only. For correct sizing and machining of system profiles refer to the Wispeco StarFront Aplication.

Wispeco cannot 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.

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 centrers 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.

PIVOT 38 WINDOW (38mm)

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Profile Identification

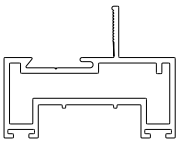
Clip38 Pivot Profiles

Note: StarFront can only do single glazing configurations at the moment, for double glazing panels please see chart as shown.

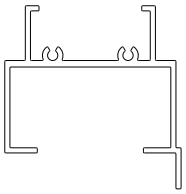
DIE No. W31141 | Clip38 38B
Bevel Bead 4mm-6mm

DIE No. W30468 | Clip38 38SB
Bevel Bead 8mm-10mm

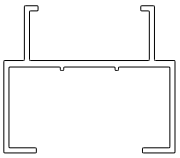
DIE No. W70214 | Clip38 28S
Square Bead 4mm-6mm



DIE No. W54787 | Clip38 PW1
Pivot Sash



DIE No. W70222 | Clip38 PW2
Pivot Frame



DIE No. W70223 | Clip38 PW3
Pivot Frame

DIE No. W32041 | Clip38 DG Bead
Double Glazing

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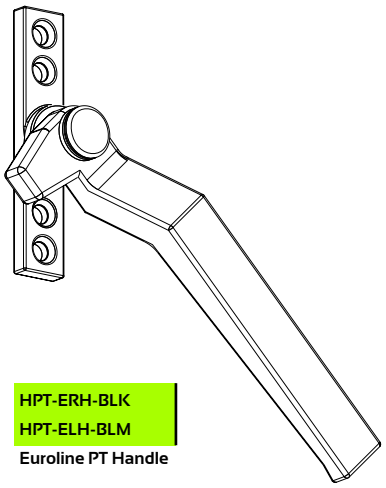
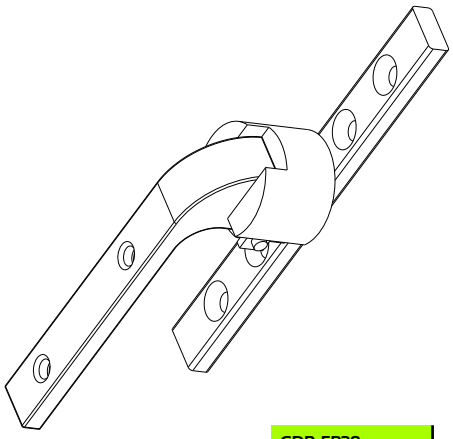
Hardware Components

RECOMMENDED CLIP38 PIVOT COMPONENTS

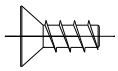
All hardware is available through our Stockists as well as through Crealco Components, and can be viewed on www.crealco-components.com



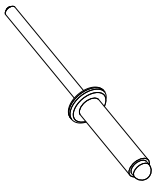
HPT-ERH-BLK
HPT-ELH-BLM
Euroline PT Handle



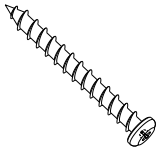
CDP-FP38
Handle



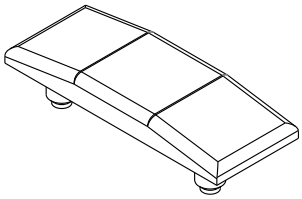
FSC-0809HBP
8x9 C/S Handle Screw Blunt Point



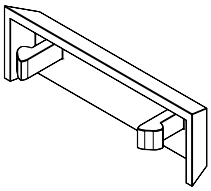
FRC-4812
Dome Rivet 4.8x10mm



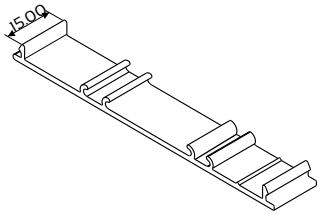
FSP-0840P-SS
P/Head POSI 8x40 S/S Screw



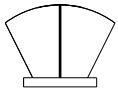
HPT-WG-BLK
Wedge For PT Handle



PEX-WDC
Weephole Cover



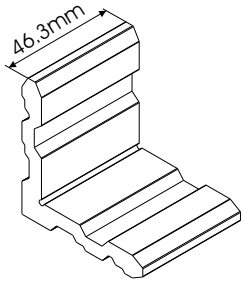
W30607
Multi Fixing Lug Alum 15mm



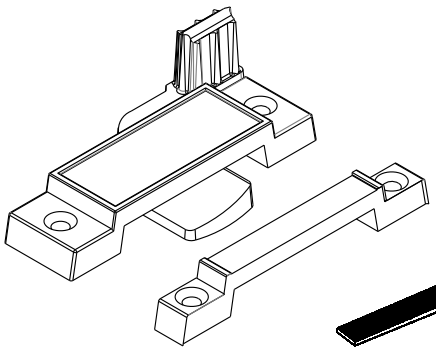
GFP-6796
Finseal

GWG-01G
GWG-02B
GWG-03R
GWG-04Y
GWG-05P
Wedge Gasket

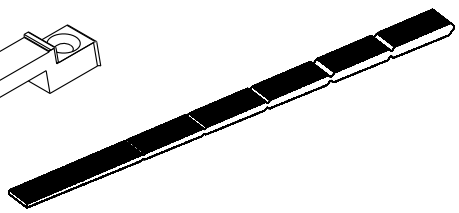
GBF-ORG
Butterfly Gasket



W24919
Corner Cleat 46.3mm



HCC-FCK
Fitch Catch



FSN-GSB
Glass Setting Blocks

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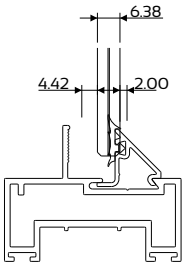
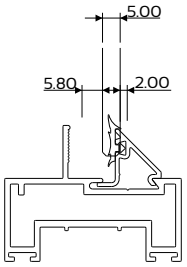
Butterfly Gasket & Wedge Codes

BUTTERFLY GASKET
B010

CLIP38 ANGLED BEAD 13mm GAP
W31141



● -GWG-01G



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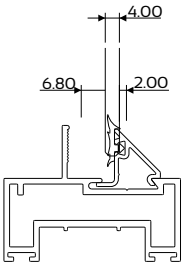
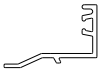
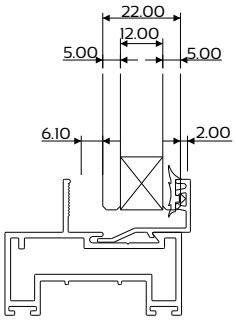


● -GWG-03R

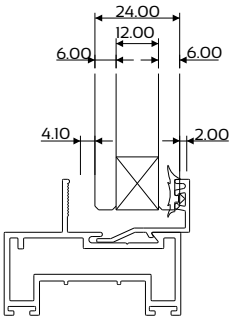
BUTTERFLY GASKET
GBF-ORG



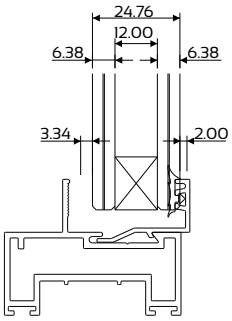
BEAD DOUBLE GLAZING
W32041



● -GWG-02B



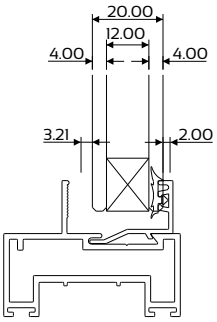
● -GWG-01G



● -GWG-04Y

BUTTERFLY GASKET
GBF-ORG

BEAD DOUBLE GLAZING
W32041



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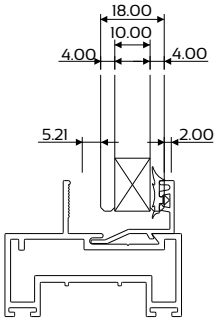

● -GWG-01G

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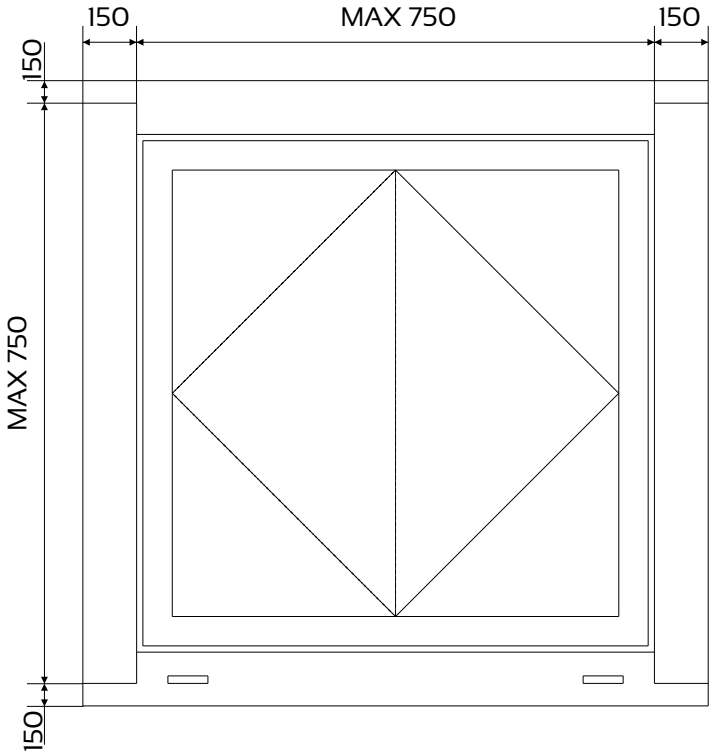
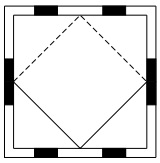
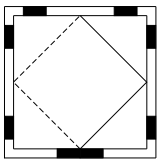


Setting Block Location

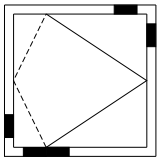
All glazing methods require setting and location blocks as illustrated below to ensure proper performance of all elements of the finished products.



Horizontally Pivoted



Vertically Pivoted
Hung Centrally



Vertically Pivoted
Hung Off Centre

POSITION OF SETTING AND LOCATION BLOCKS
AS RECOMMENDED BY
SOUTH AFRICAN STANDARD - SABS 0137-1984
CODE OF PRACTISE FOR
THE INSTALLATION OF GLAZING MATERIALS IN BUILDINGS

GLAZING

1. SELECTION OF GLAZING METHODS

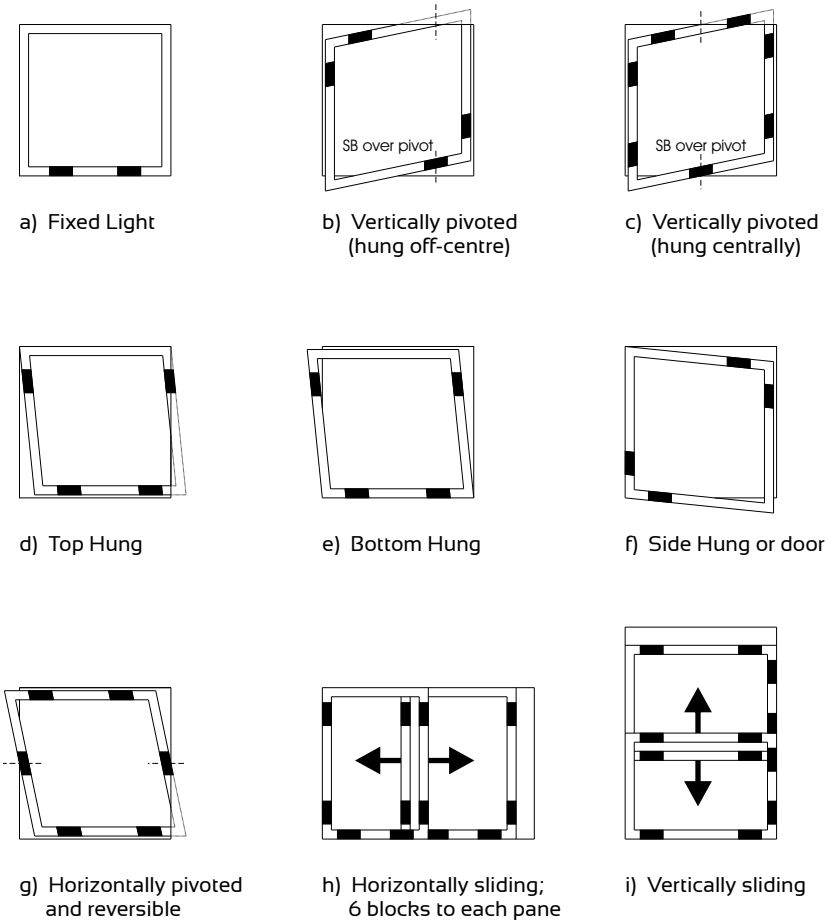
1.1 SETTING AND LOCATION BLOCKS

Glass-to-metal contact must be avoided at all times by using setting and location blocks having a hardness of 50° to 90° shore A durometer. Use only blocks made of Neoprene, EPDM, Silicone or other elastomeric material.

Setting blocks are to have a minimum thickness of 3mm and must be at least 27mm in length per square metre of glass area.

In the event of laminated glass and/or sealed insulated glass units drainage is to be provided to prevent the glass edge to be submerged. Two or more 7mm diameter holes or 5mm x 9mm slotted holes, or larger, are to be equally spaced in the sill section of sash or frame to allow for such ventilation/drainage.

The position of the setting and location blocks is illustrated in Figure 2.



a) Fixed Light
b) Vertically pivoted (hung off-centre)
c) Vertically pivoted (hung centrally)
d) Top Hung
e) Bottom Hung
f) Side Hung or door
g) Horizontally pivoted and reversible
h) Horizontally sliding; 6 blocks to each pane
i) Vertically sliding

FIGURE 2 - POSITION OF SETTING AND LOCATION BLOCKS

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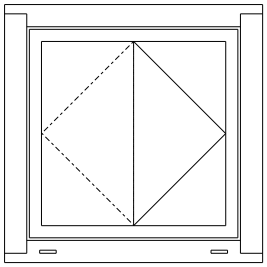
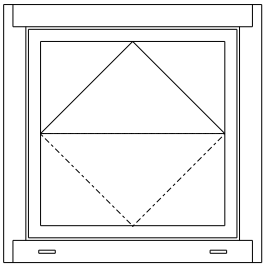
Sash Limitation Chart

VERTICAL PIVOT WINDOW



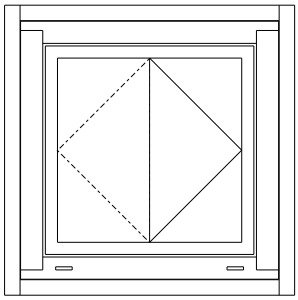
HORIZONTAL PIVOT WINDOW



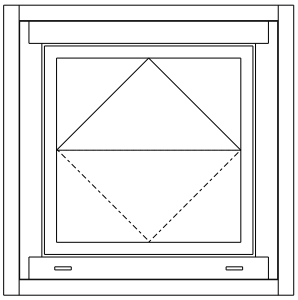
OPEN IN

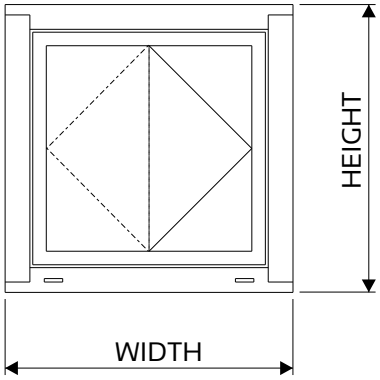
OPEN OUT

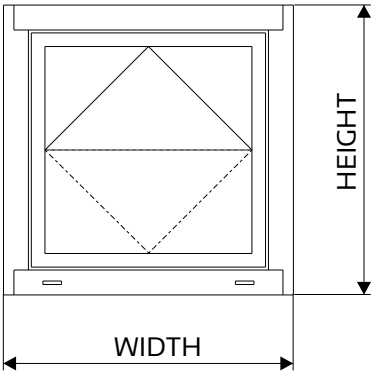
VERTICAL PIVOT WINDOW IN SHOPFRONT FRAME



HORIZONTAL PIVOT WINDOW IN SHOPFRONT FRAME







		Maximum Vent Width in mm	Maximum Vent Height in mm
PIVOT SASH	W54787	1200	1500

* USE 2 HANDLES AND 2 FITCH CATCHES ON SASH OVER 900 mm WIDE

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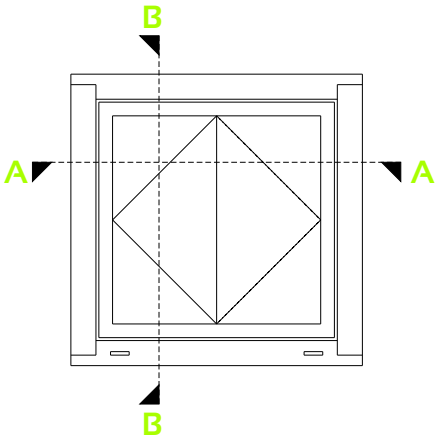
Cross Sectional Detail

Vertical Opening



SECTION B-B
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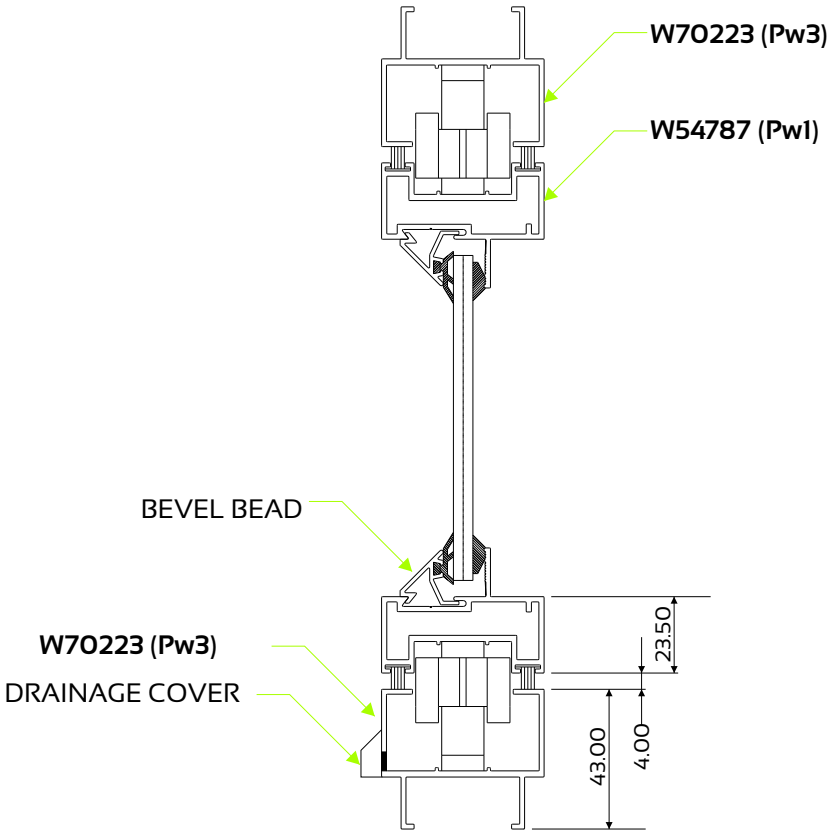

SECTION A-A
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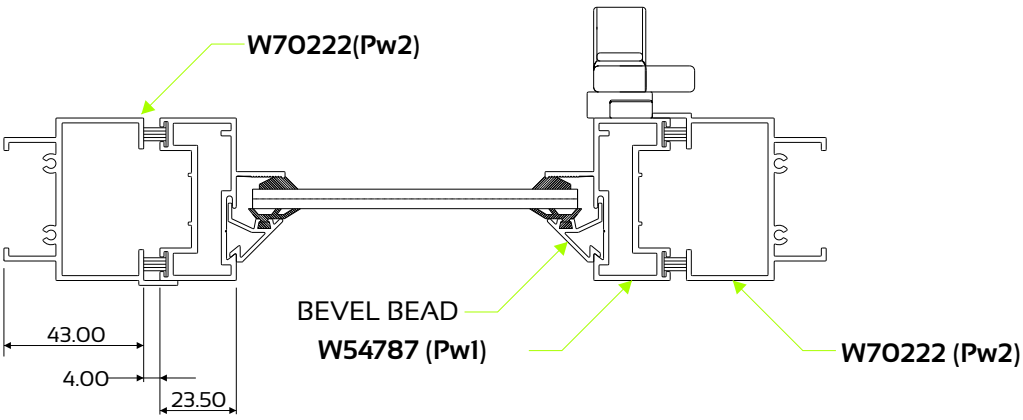

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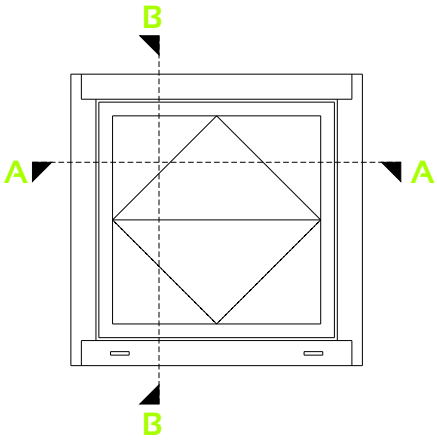
Cross Sectional Detail

Horizontal Opening



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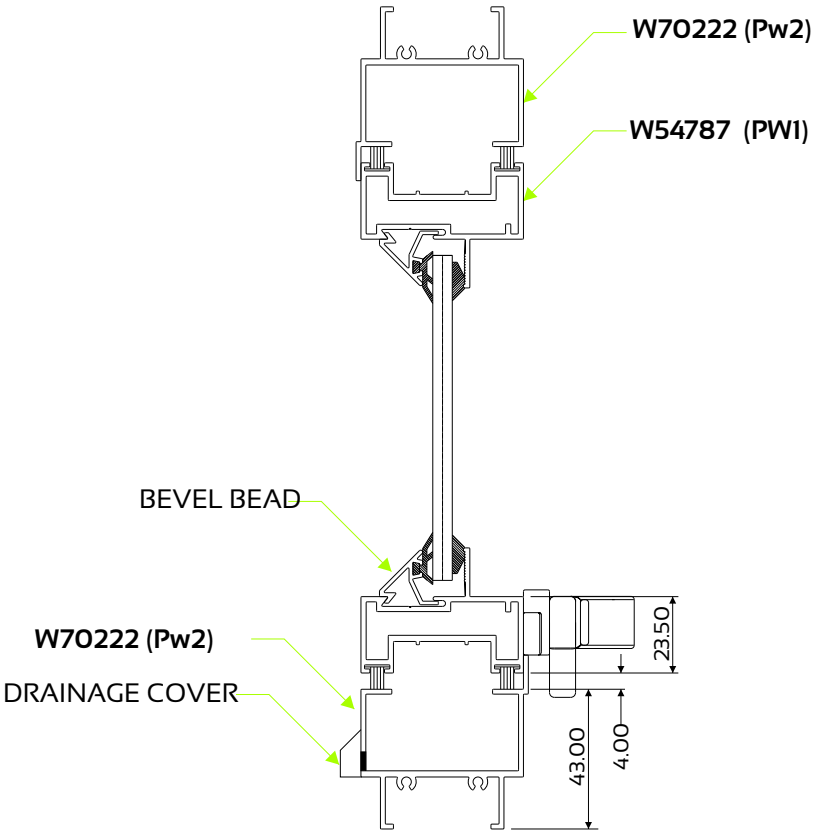

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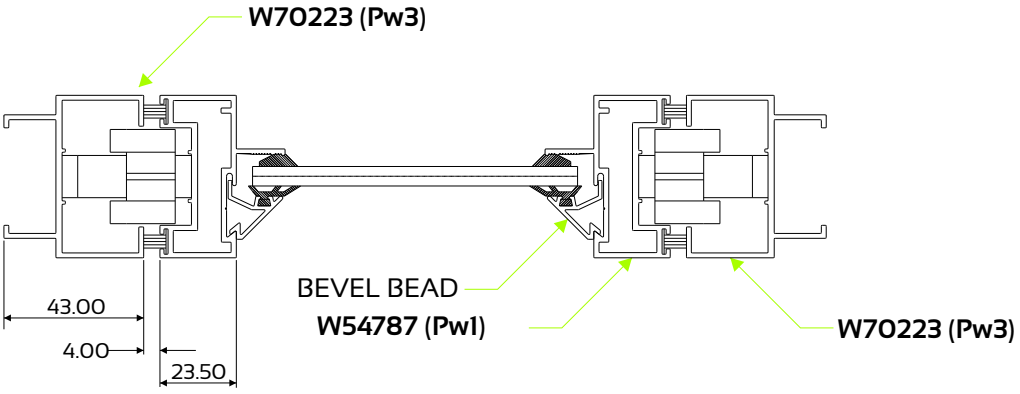

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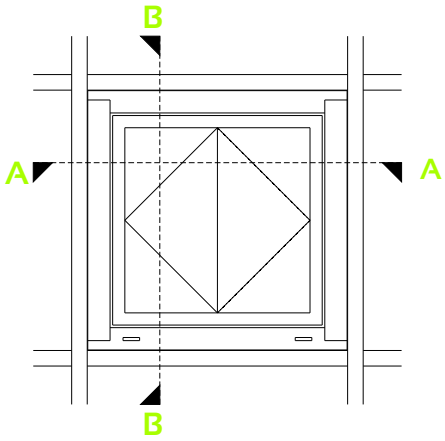
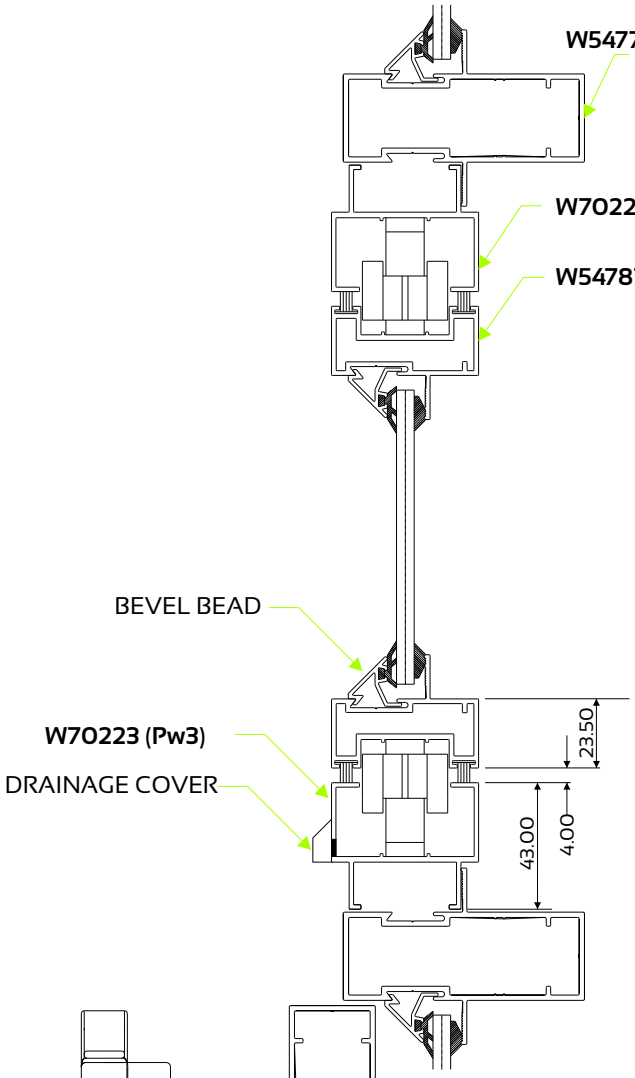
Cross Sectional Detail

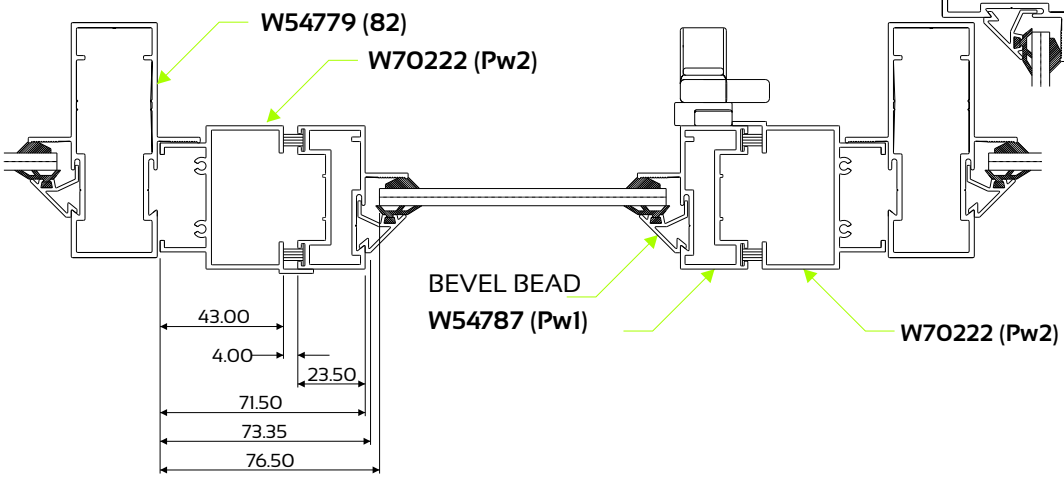
Vertical Frame



SECTION B-B
Section not to scale



SECTION A-A
Section not to scale



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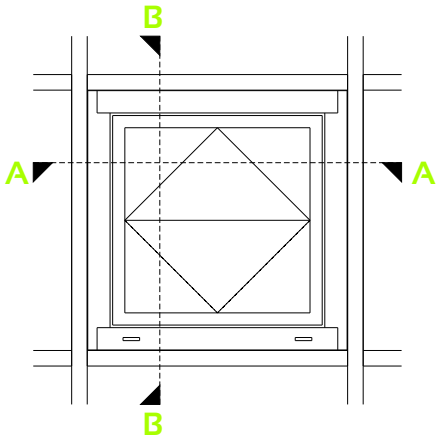
WISPECO Aluminium

Cross Sectional Detail

Horizontal Frame



SECTION B-B
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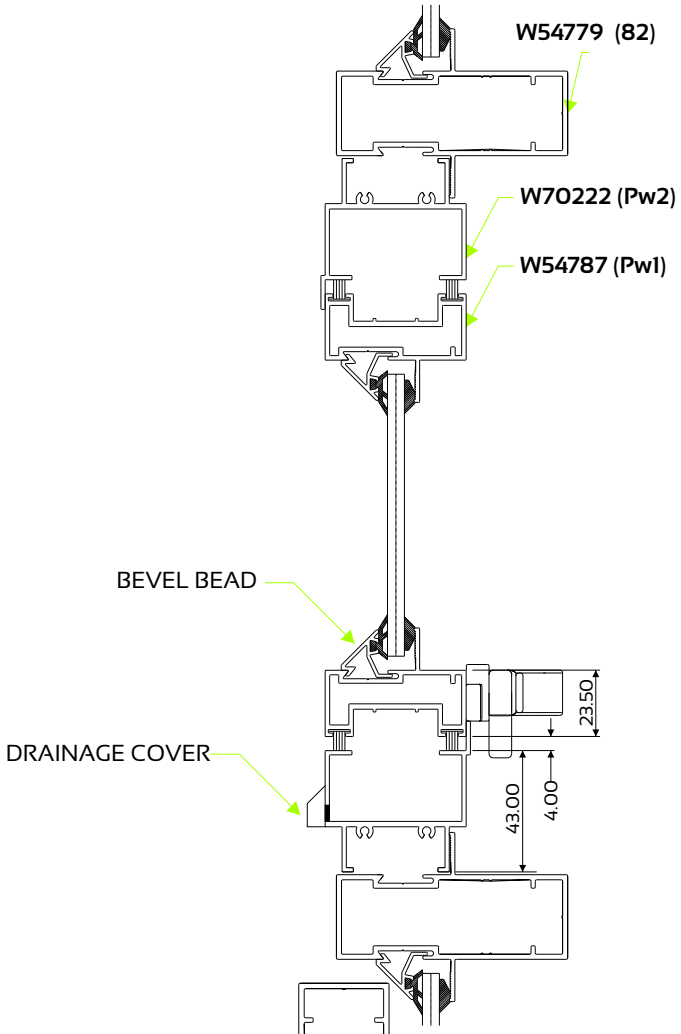
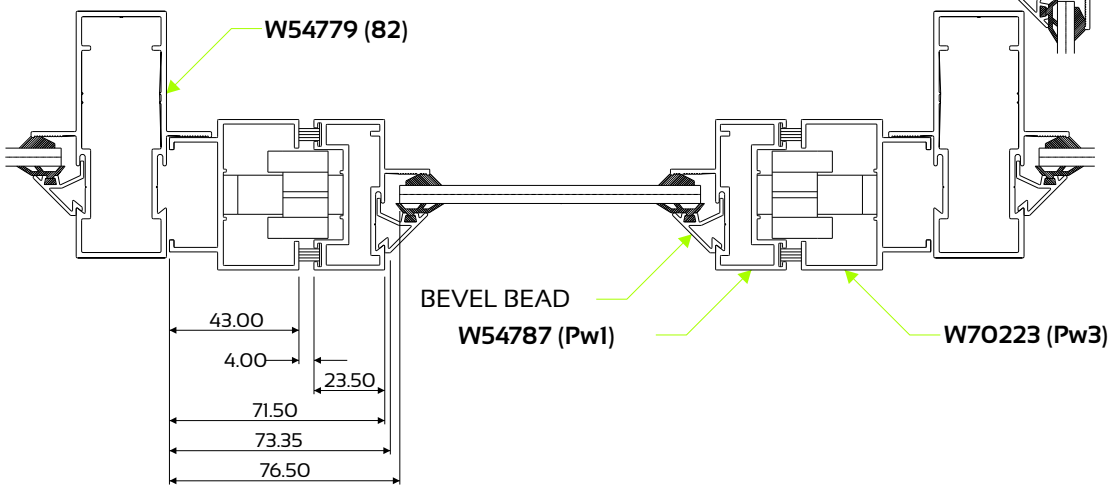


SECTION A-A
Section not to scale



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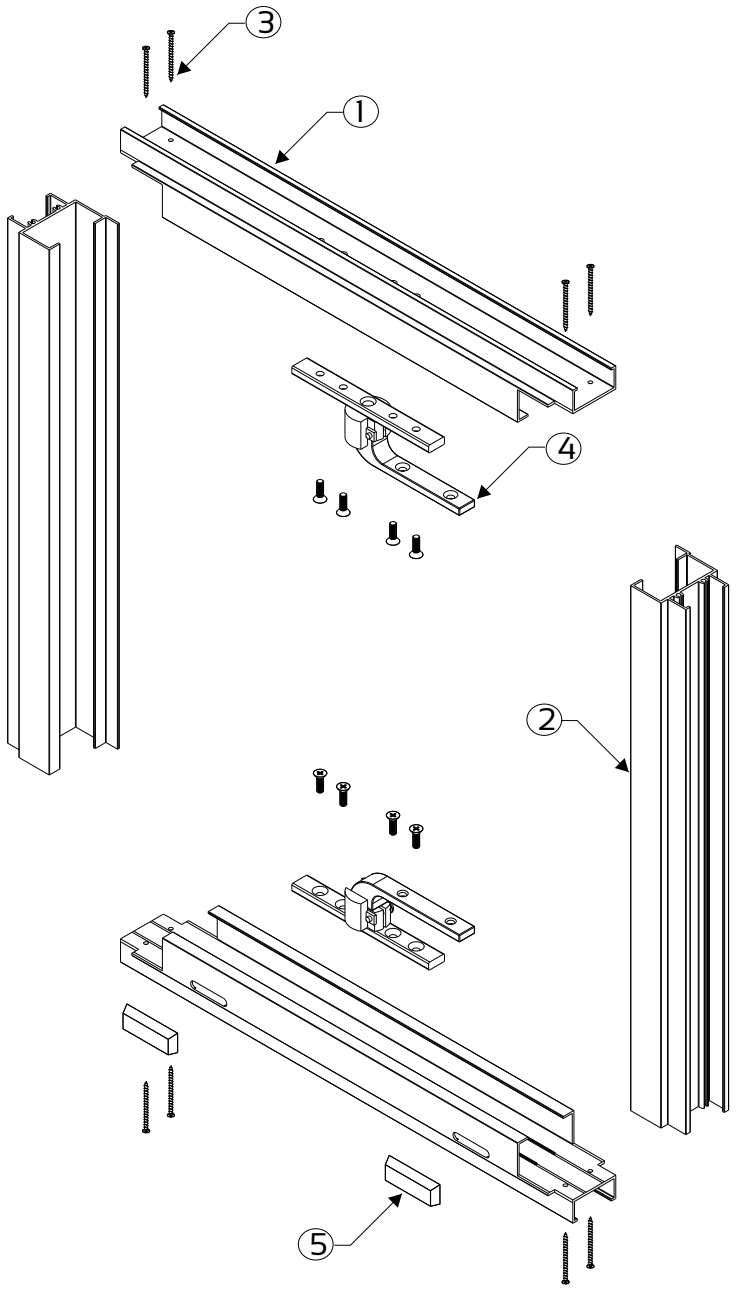
WISPECO Aluminium

Component Assembly Detail

Pivot Frame

Add centre drainage hole and covers on widths over 700mm



System Profiles

ITEM	QTY	DIE No.	DESCRIPTION
1	2	W70223	Clip38 PW3 Pivot Frame
2	2	W70222	Clip38 PW2 Pivot Frame

Hardware

ITEM	QTY	COMPONENT DESCRIPTION
3	8	Self Tapping Screw
4	2	Friction Pivot
5	2	Weephole Cover

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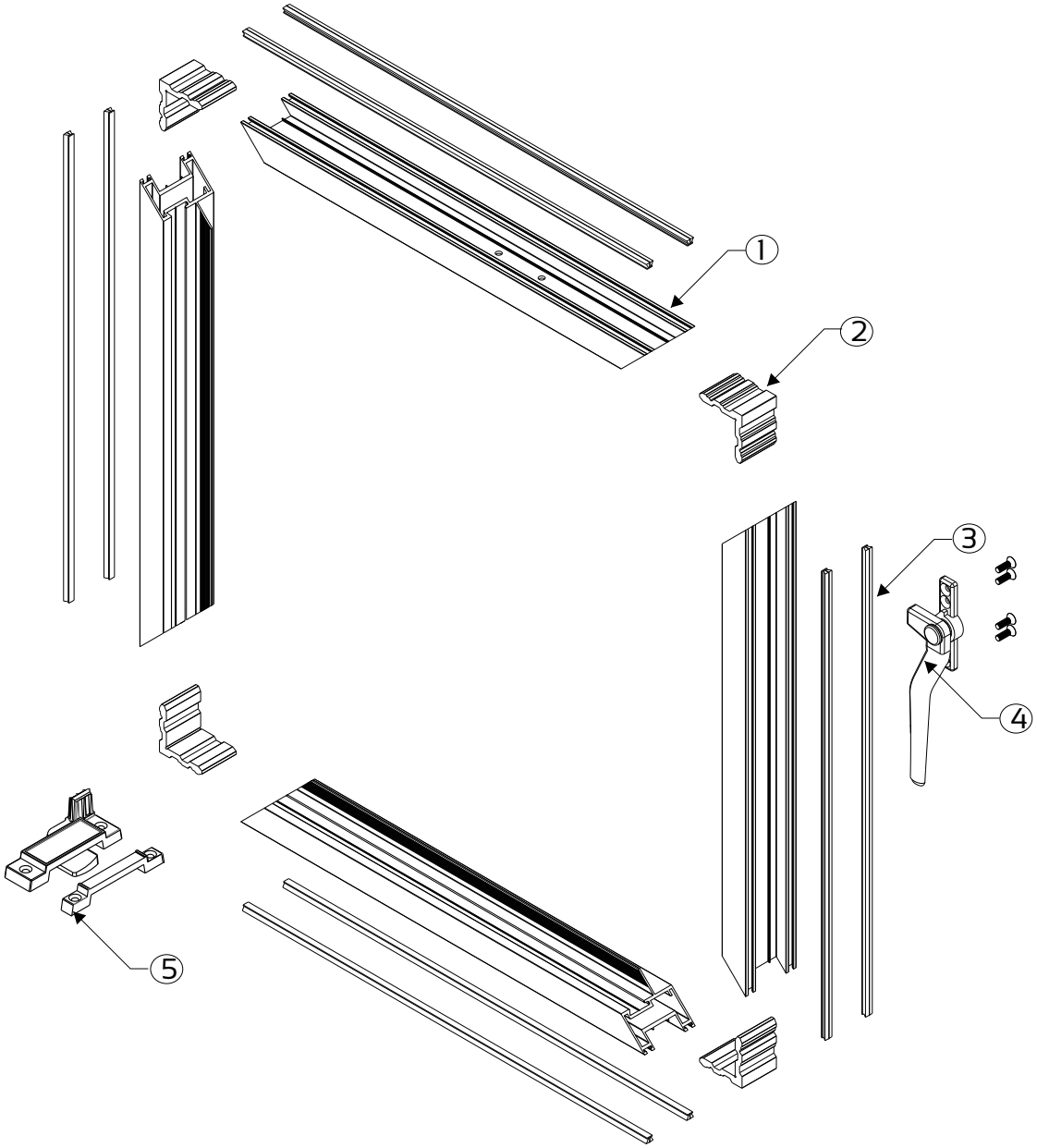
Component Assembly Detail

Pivot Sash

Insert finseal before fixing sash frame together



System Profiles

ITEM	QTY	DIE No.	DESCRIPTION
1	4	W54787	Clip38 PW1 Pivot Sash

Hardware

ITEM	QTY	COMPONENT DESCRIPTION
2	4	Corner Cleat
3	8	Finseal
4	1	Euroline PT Handle
5	1	Fitch Catch

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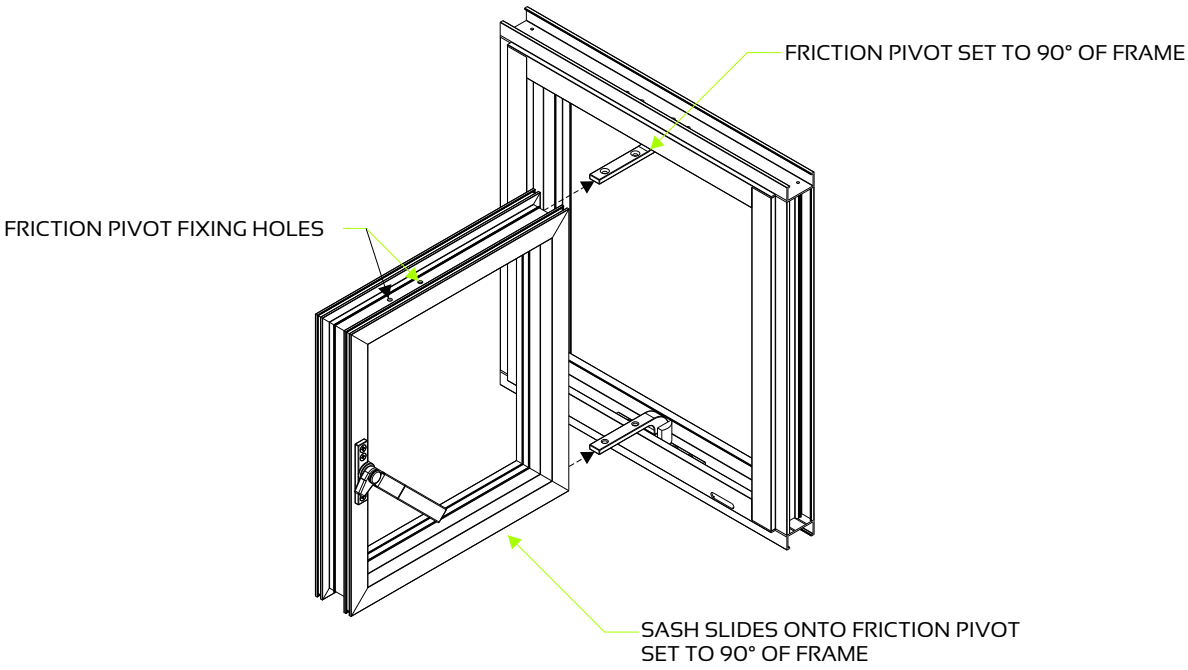
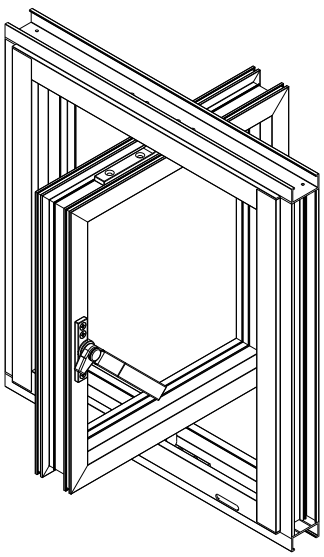
WISPECO Aluminium

Sash Installation Detail





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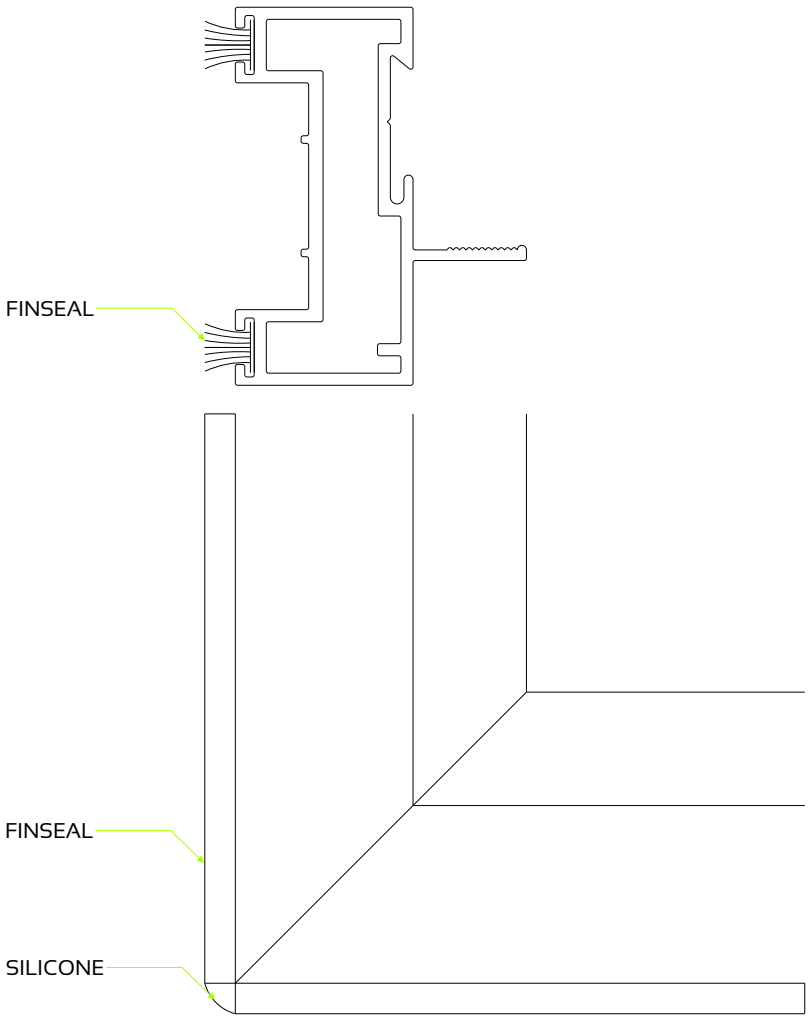
WISPECO Aluminium

Siliconing Seal of Finseal

on Corners of Pivot Sash



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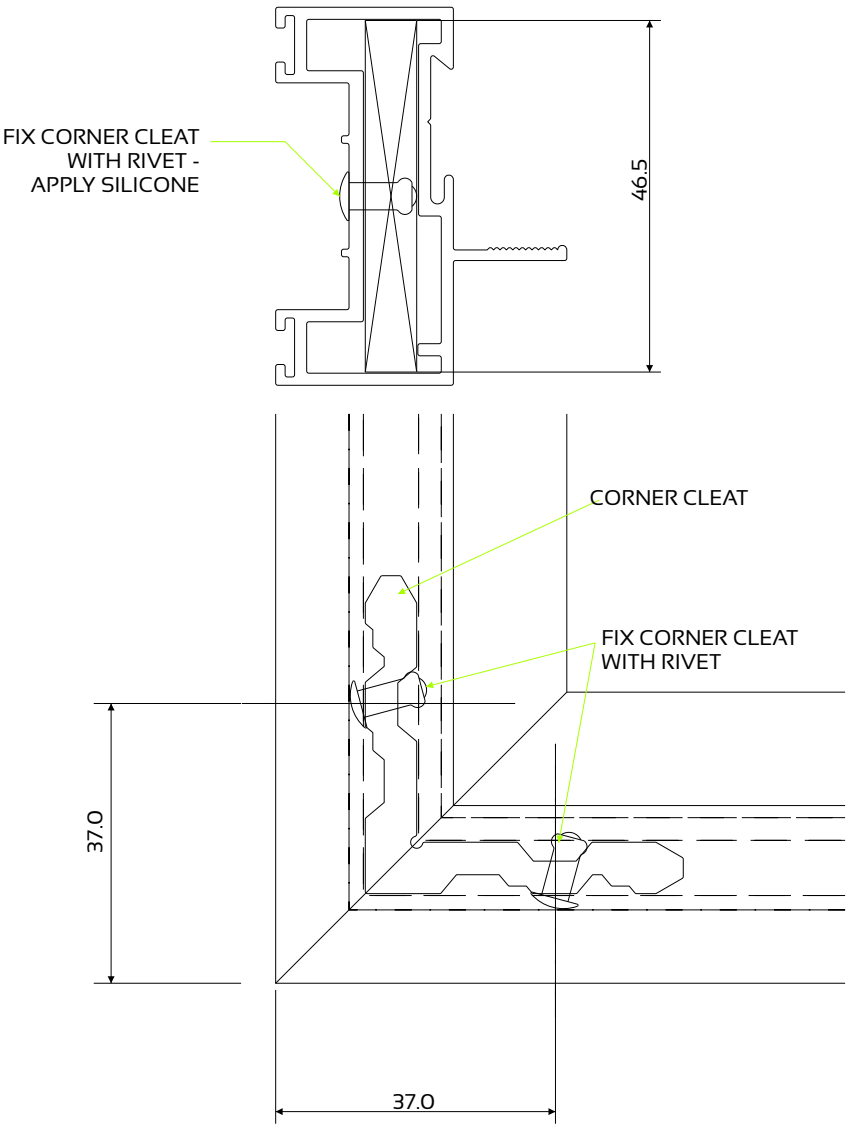
WISPECO Aluminium

Fixing of Corner Cleats

on Pivot Sash



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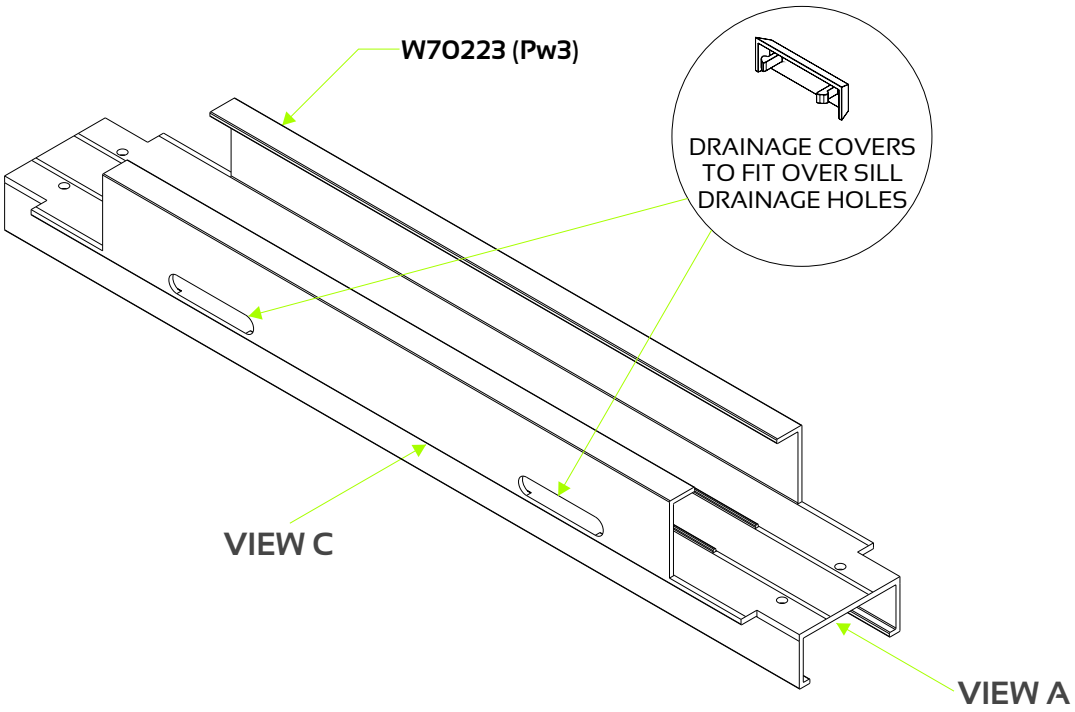
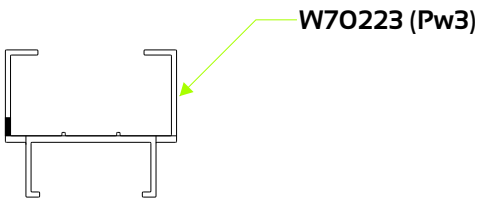
WISPECO Aluminium

Drainage Detail

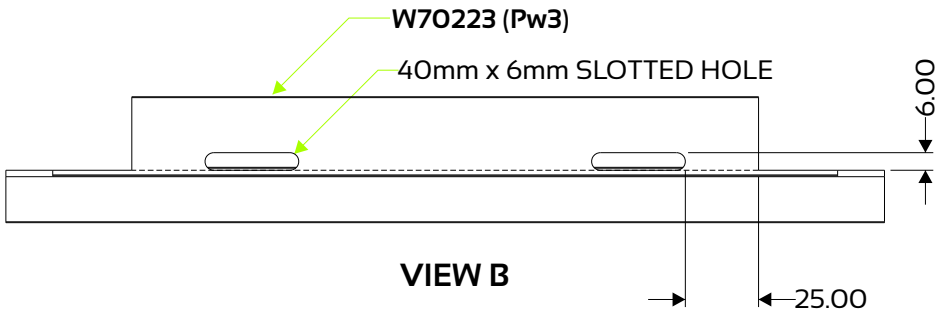
Sill

Add centre drainage hole and covers for sashes over 700mm wide
Note: Check drainage covers will suit slotted holes





VIEW A



VIEW B

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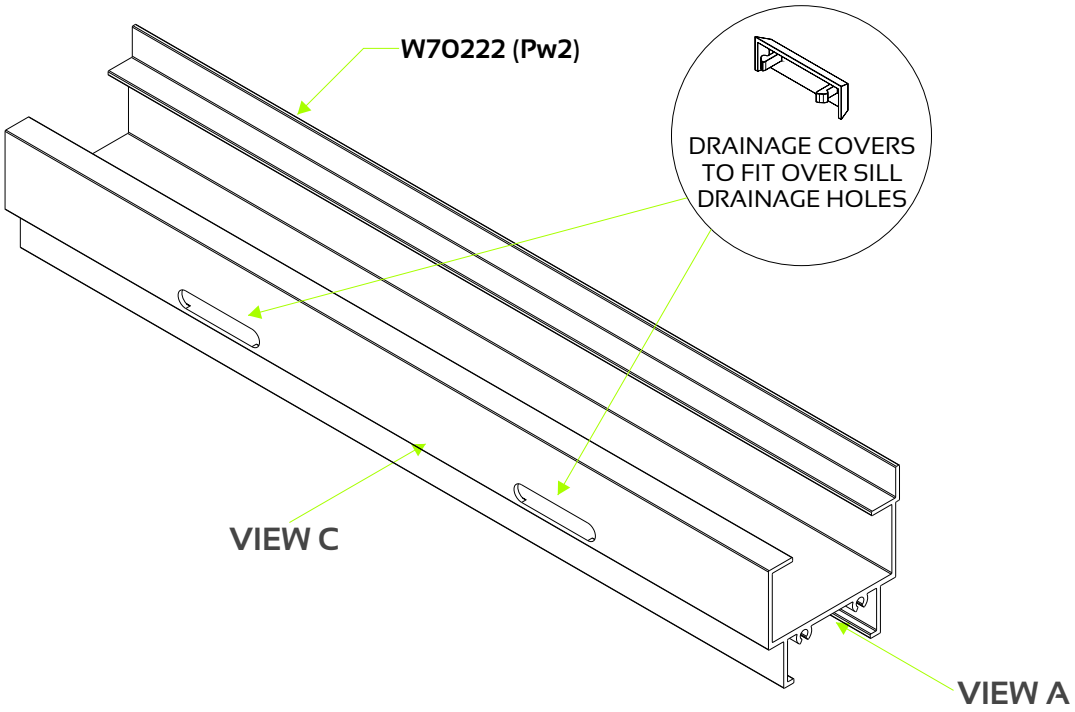
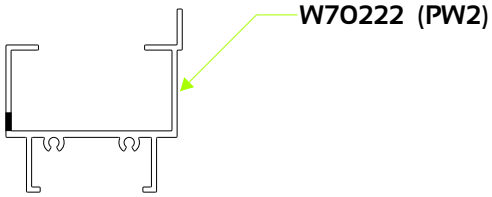
WISPECO Aluminium

Drainage Detail

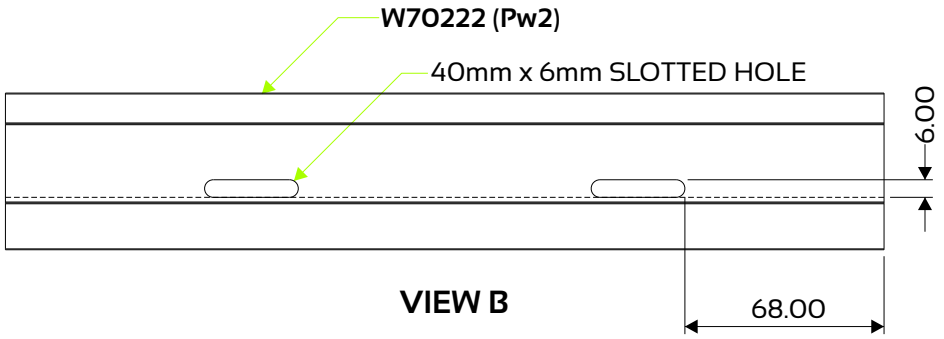
Sill

Add centre drainage hole and covers for sashes over 700mm wide
Note: Check drainage covers will suit slotted holes





VIEW A



VIEW B

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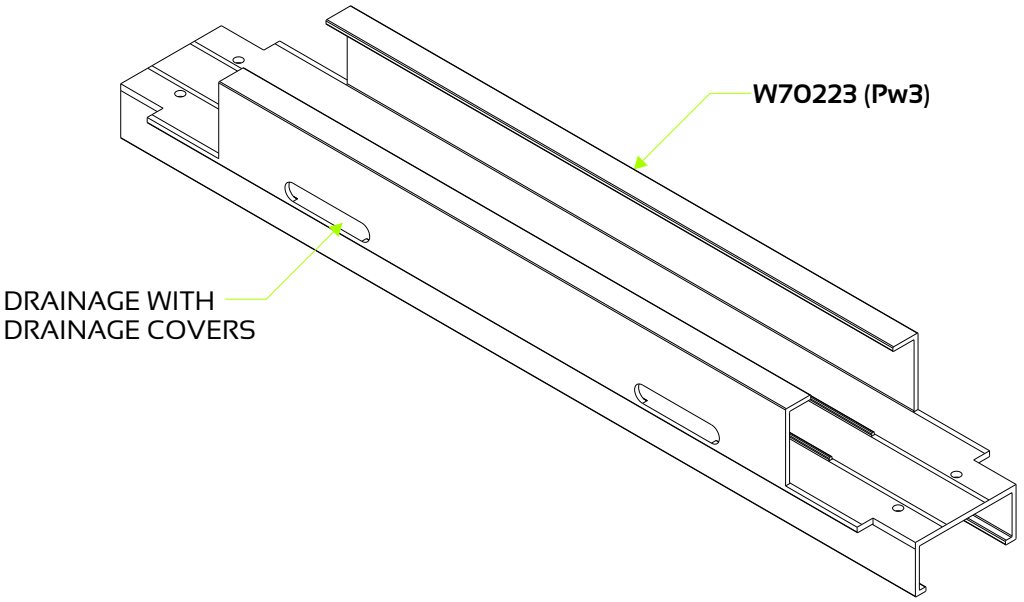
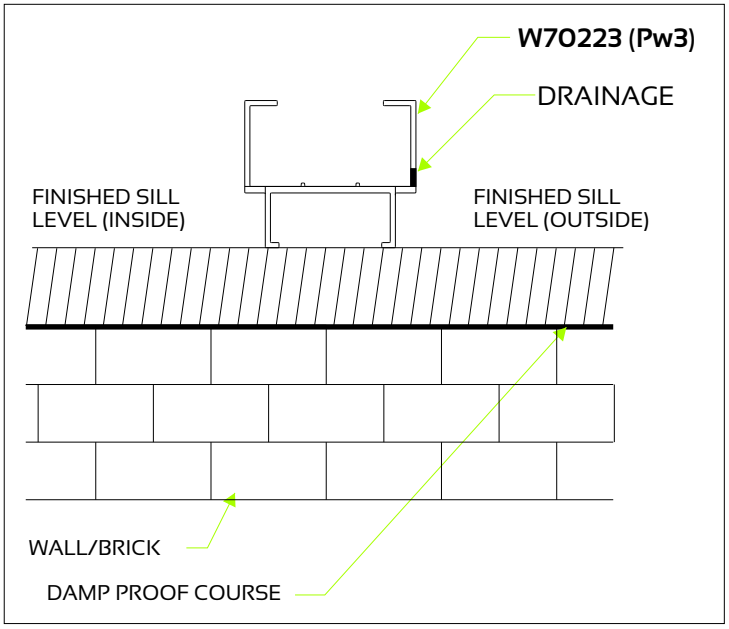
WISPECO Aluminium

Sill Level Detail





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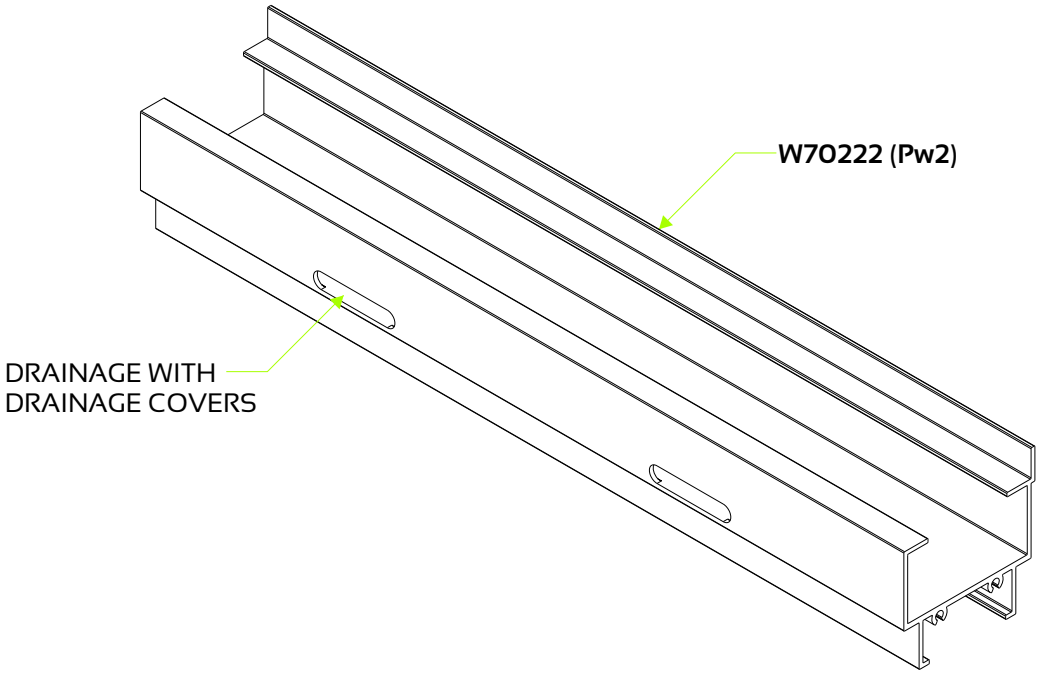
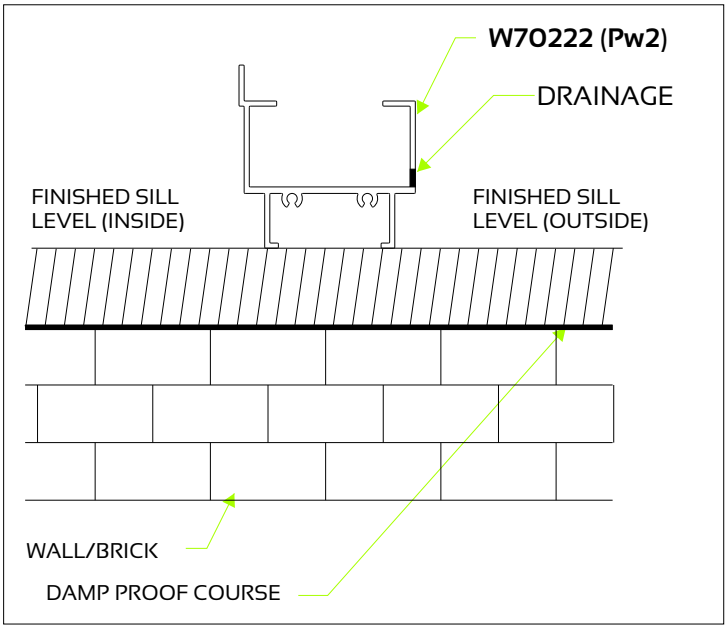
WISPECO Aluminium

Sill Level Detail





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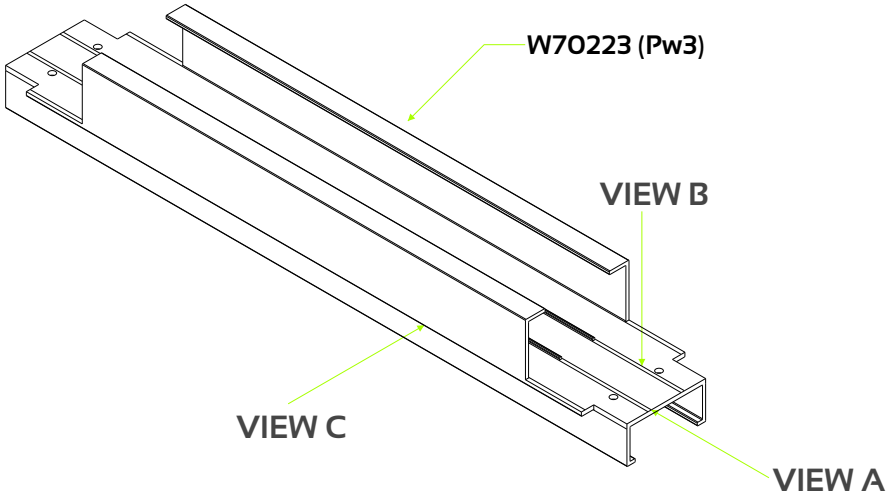
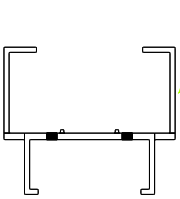
WISPECO Aluminium

Machining Detail

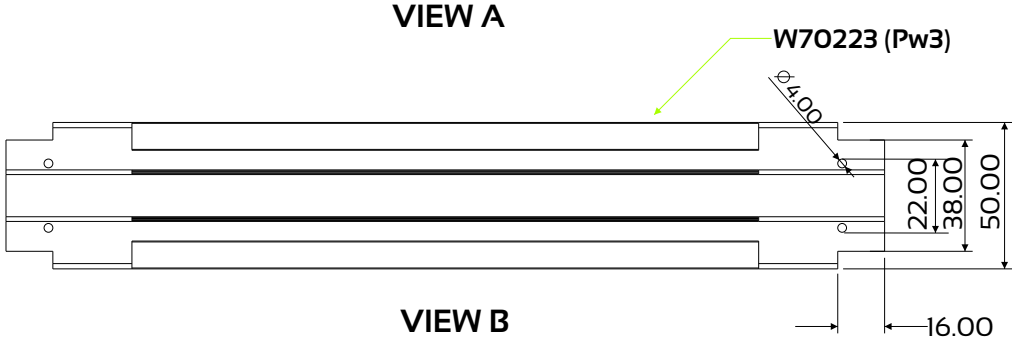
Head & Sill

All mechanical joints to be sealed with silicone

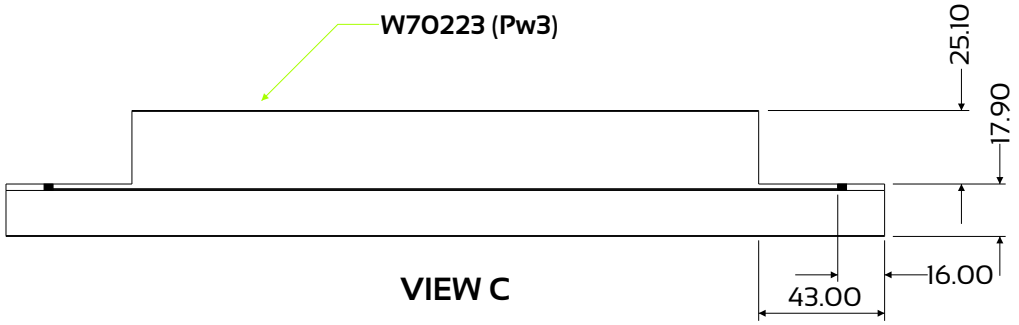




VIEW A



VIEW B



VIEW C

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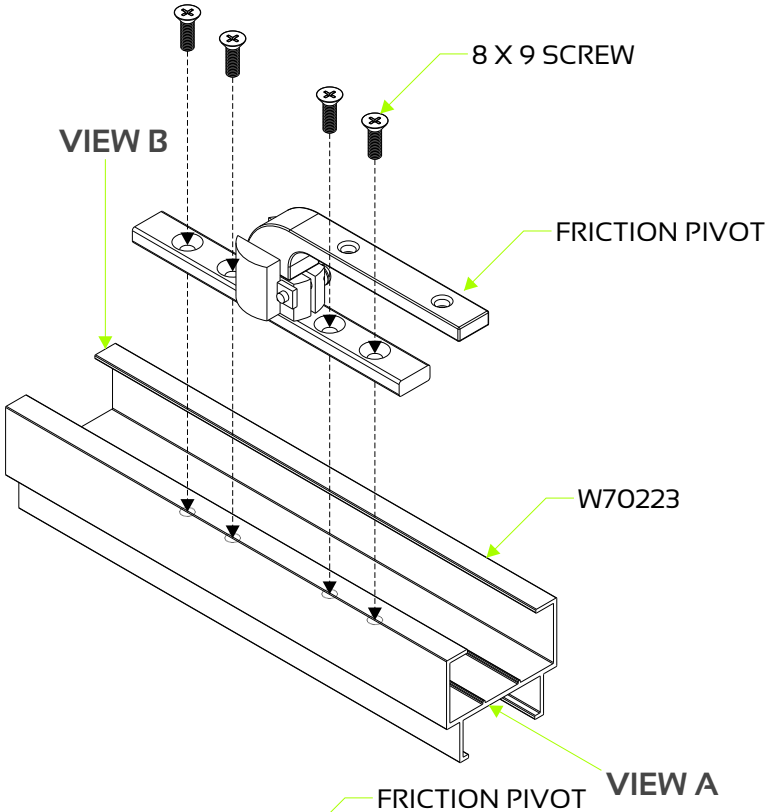
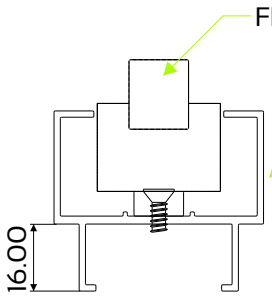
WISPECO Aluminium

Machining Detail

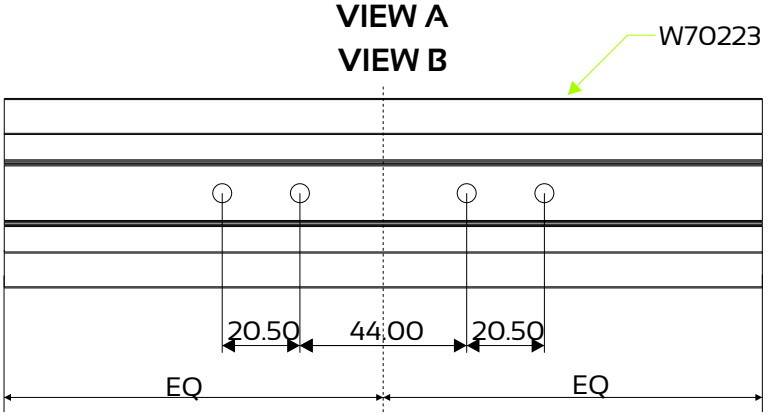
Frame Friction

Note: Check hole sizes before drilling as these could change.





VIEW A
VIEW B



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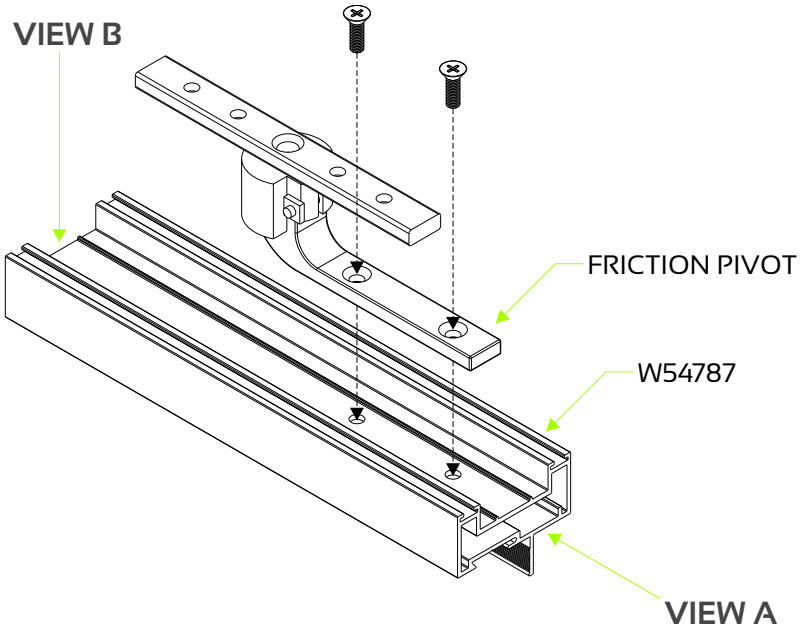
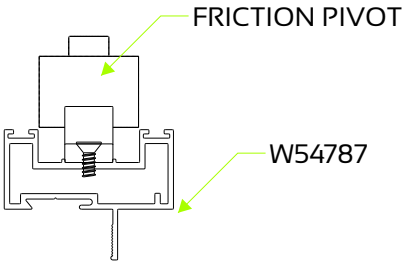
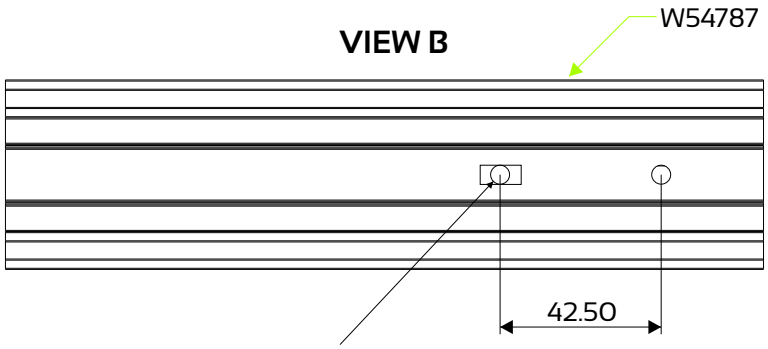




VIEW A



TIP: TO ENSURE THE SASH FITS SQUARELY INTO THE FRAME, DRILL 1 x SLOTTED HOLE TO ALLOW FOR ADJUSTMENT. ONCE SASH FITS SQUARELY, THEN DRILL THE 2nd HOLE.

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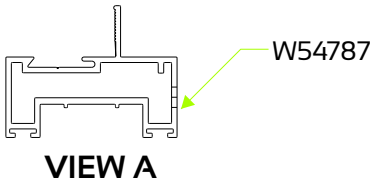
WISPECO Aluminium

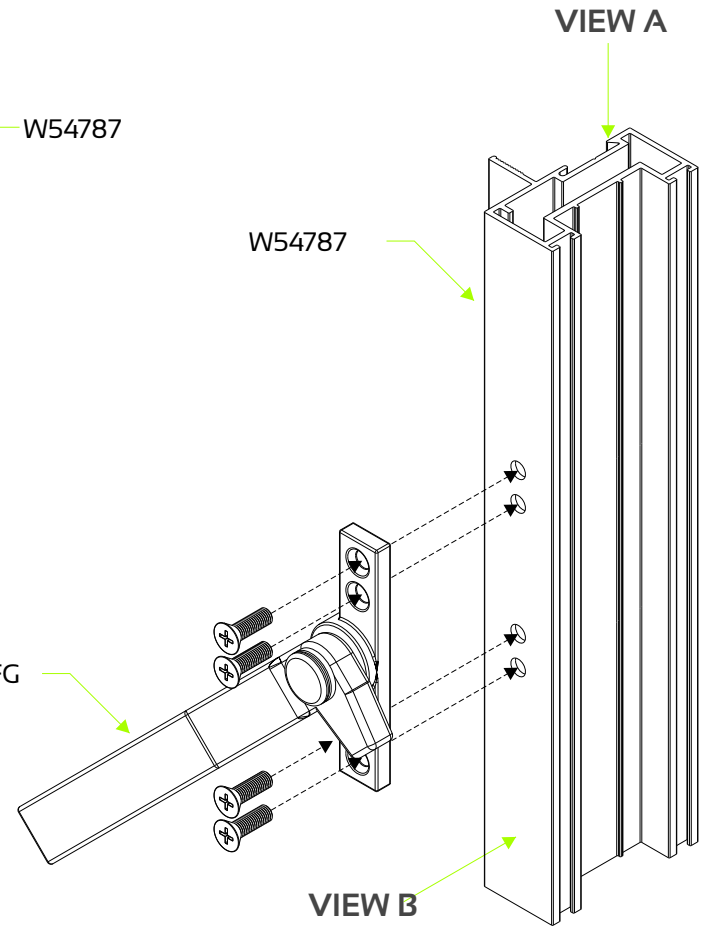
Machining Detail

Pivot Sash Handle

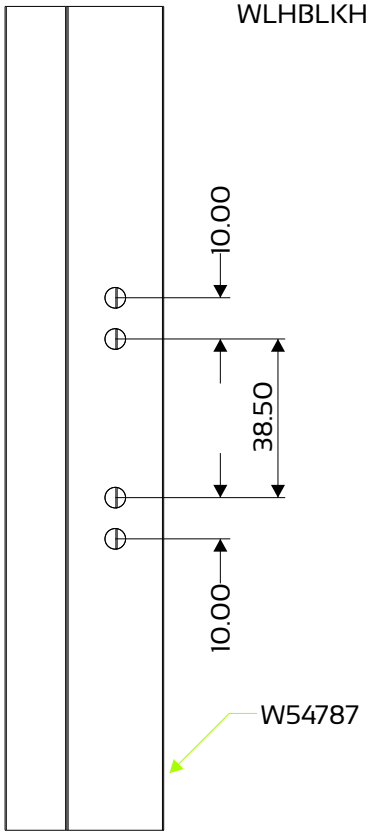
Must fix wedge (HHWSPFG/HHBSPFG) to frame for PT Handle, recommended to fit 2 handles if sash is wider/higher than 900mm



VIEW A



VIEW B



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