PRODUCT MANUAL

REVISION 2.0

FIXED LOUVRE

(Y/OVAL/Z/LAZY Z)

crealco
creative aluminium

WISPECO
Aluminium

WISPECO Aluminium

LEGAL DISCLAIMER

FIXED LOUVRE (Y/OVAL/Z/LAZY Z)

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.

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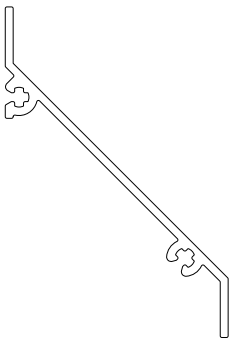
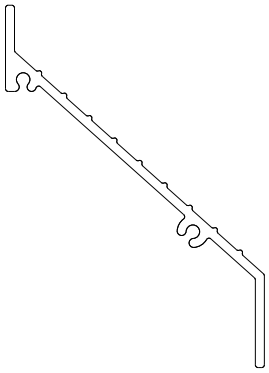
Profile Identification

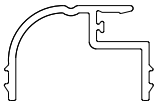
Louvre Profiles



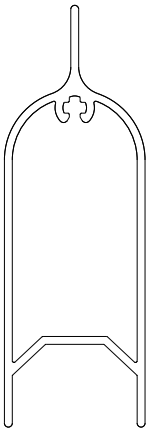
DIE No. W34853 | Louvre Lazy Z Two Screw Port



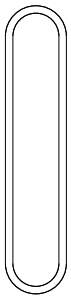
DIE No. W18679 | *Louvre Lazy Z Ribbed S/Port



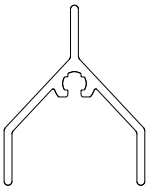
DIE No. W29904 | Sundry Insect Screen



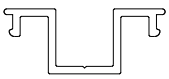
DIE No. W54624 | Louvre Rounded Y-Louvre 75mm



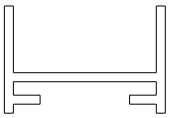
DIE No. W54724 | Louvre Oval 50.1 x 10.6



DIE No. W18079 | Louvre Y-Louvre



DIE No. W30297 | Louvre Filler For Oval Louvre



DIE No. W01101 | Louvre Outer Frame Y-Louvre

DIE No. W23224 | Compensating Channel

* - NON STOCK ITEM

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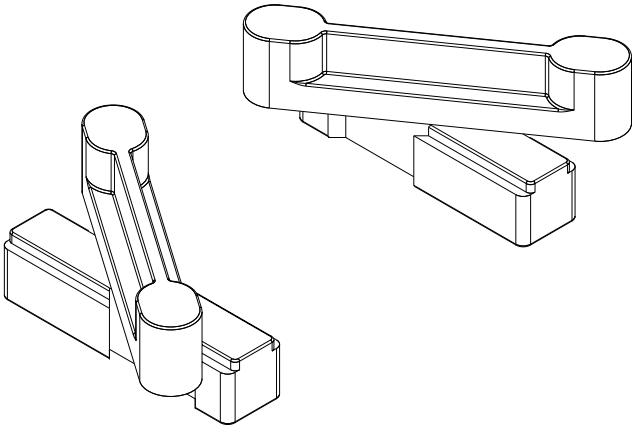
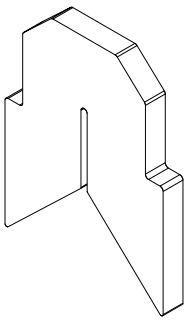
Hardware Components

RECOMMENDED LOUVRE COMPONENTS

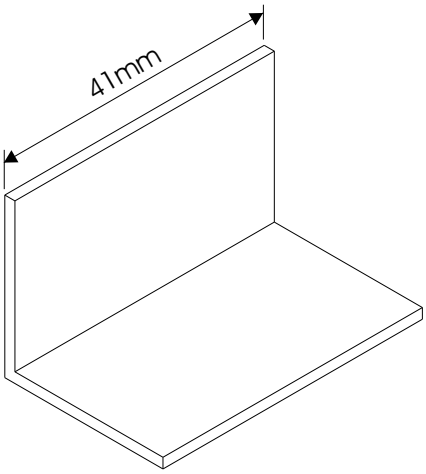
All hardware is available through our Stockists as well as through Crealco Components, and can be viewed on www.crealco-components.com



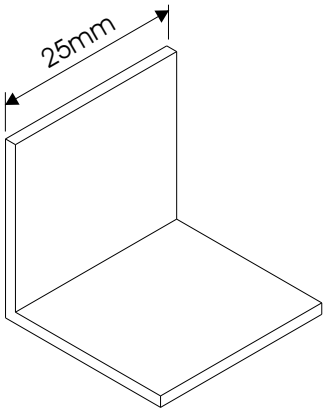
PPS-LPO
Oval Louvre Shutters



PPS-LPY
Louvre Spacer



W10968
Equal Angle 25x25x1.6



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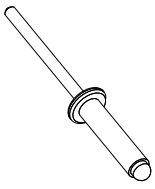

FRC-4812
Pop Rivet 4.8 X 12mm

FSP-1032P-SS
Self Tapping Screw
No. 10 x 32mm

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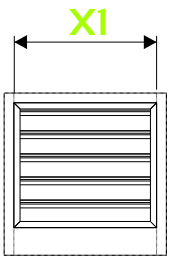
Inserts Size Limitation



MAXIMUM LOUVRE BLADE LENGTH: X1 = 900mm

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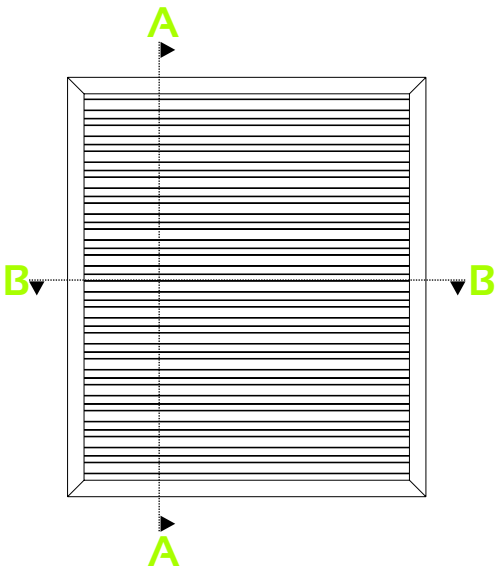
Cross Sectional Detail

Y-Louvre



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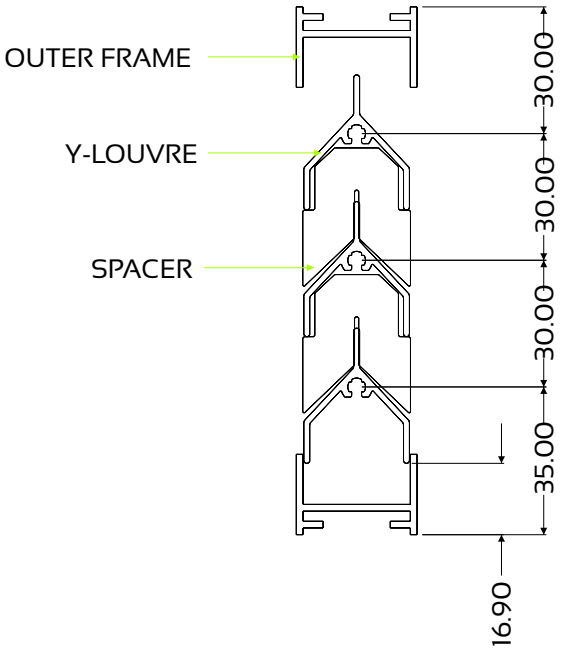

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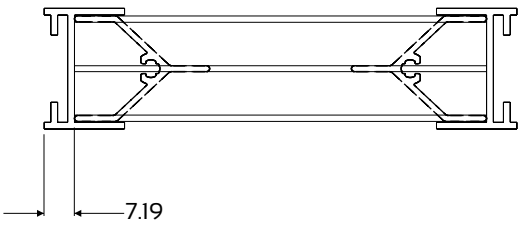

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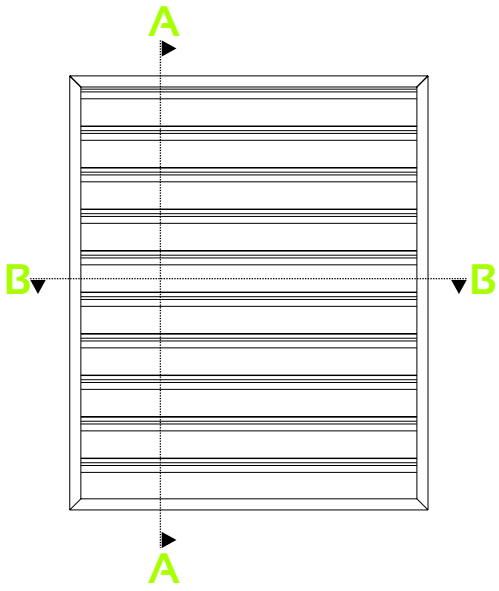
Cross Sectional Detail

Rounded y-Louvre



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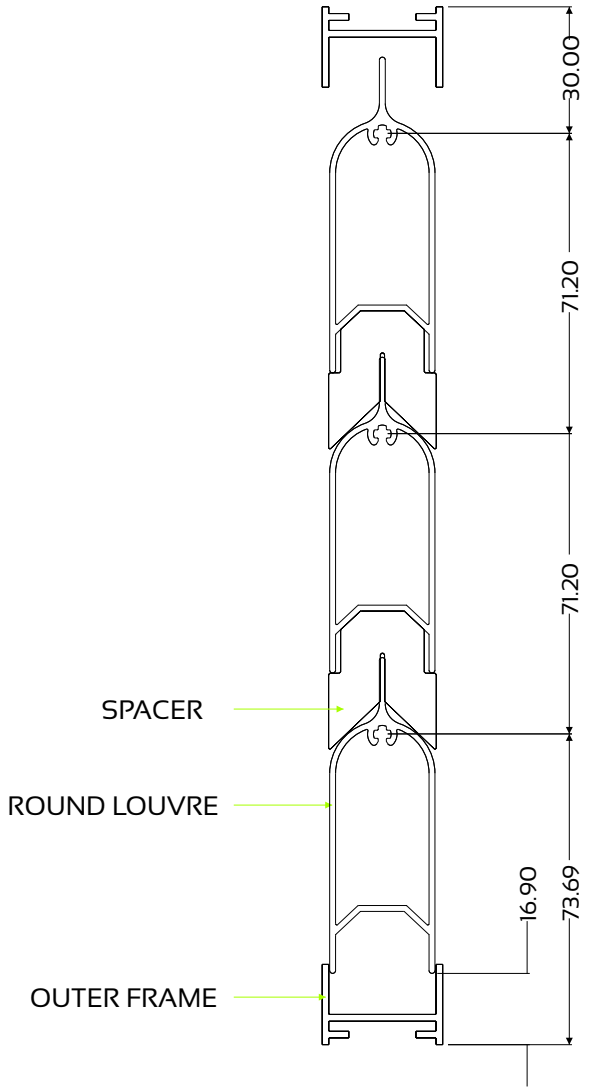

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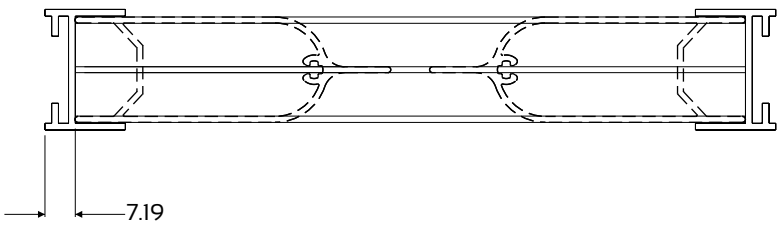

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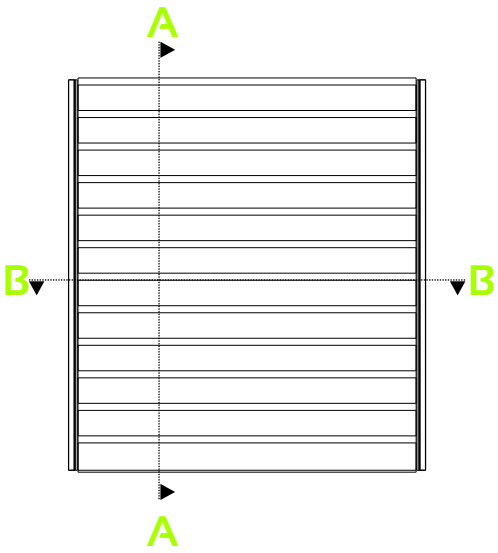
Cross Sectional Detail

Oval Louvre



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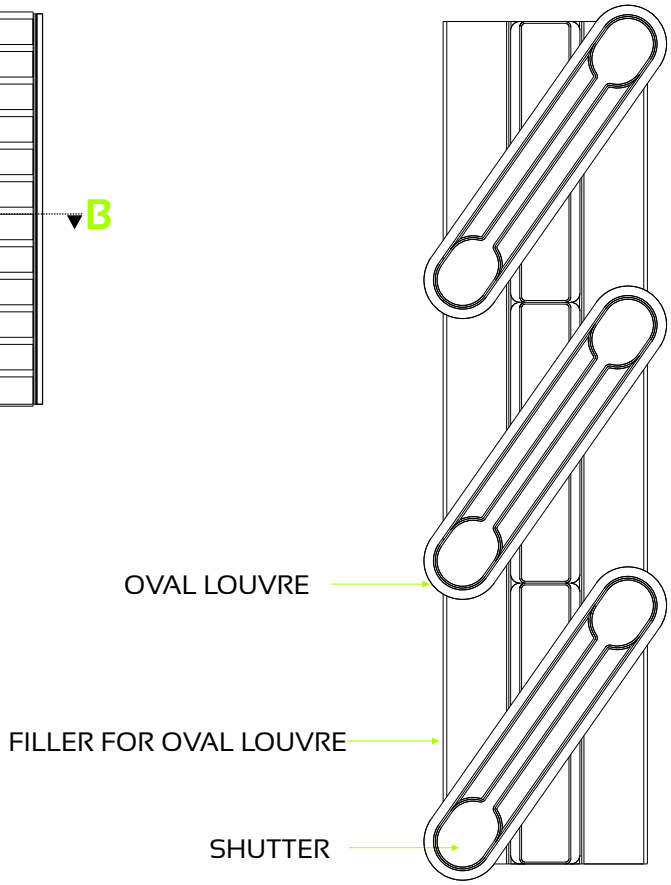

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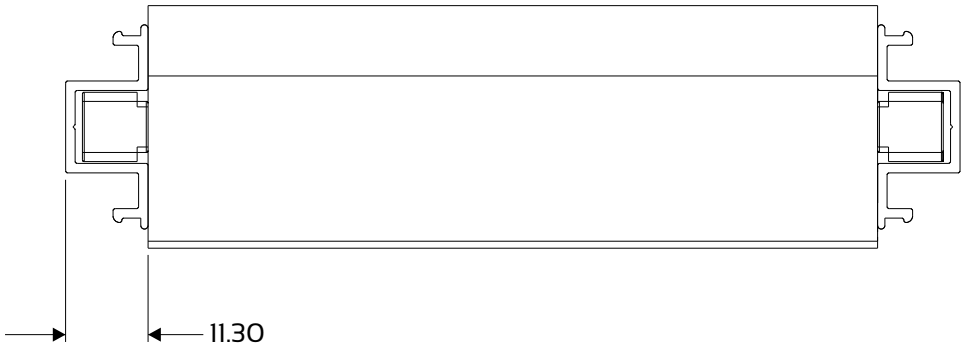

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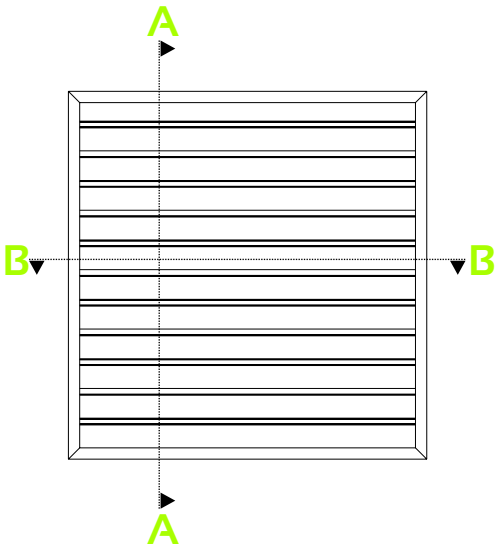
Cross Sectional Detail

Lazy Z Louvre



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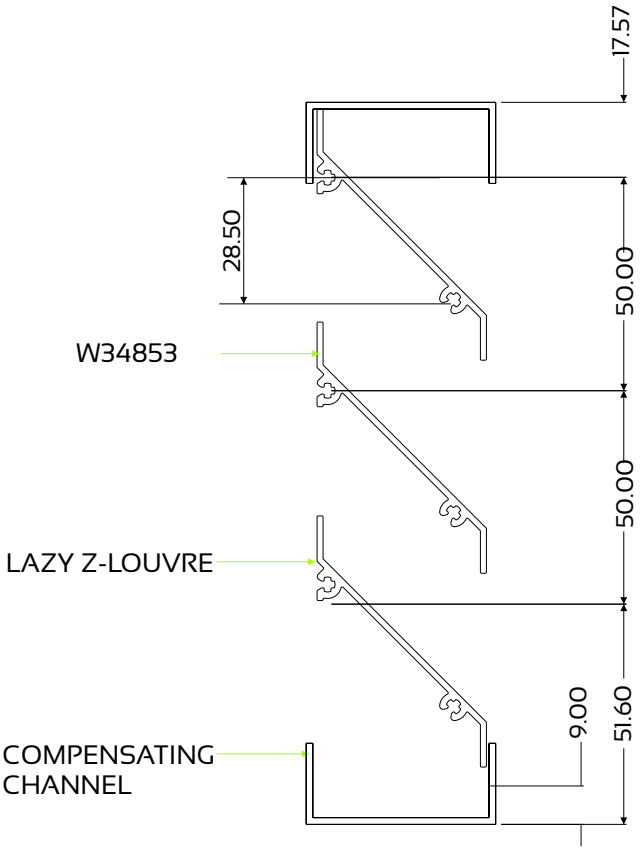

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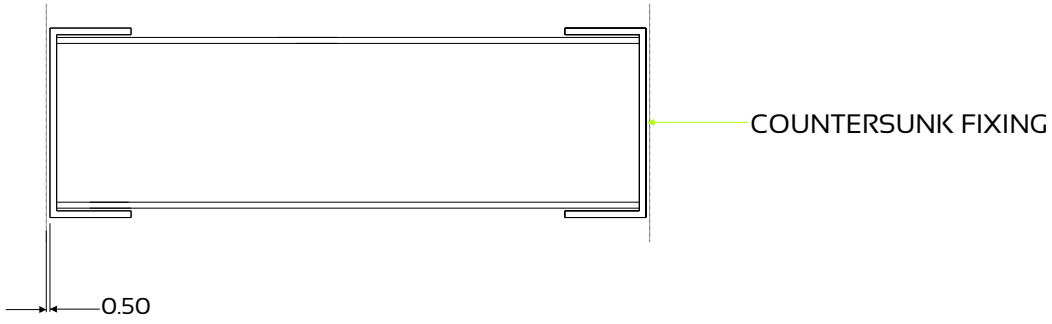

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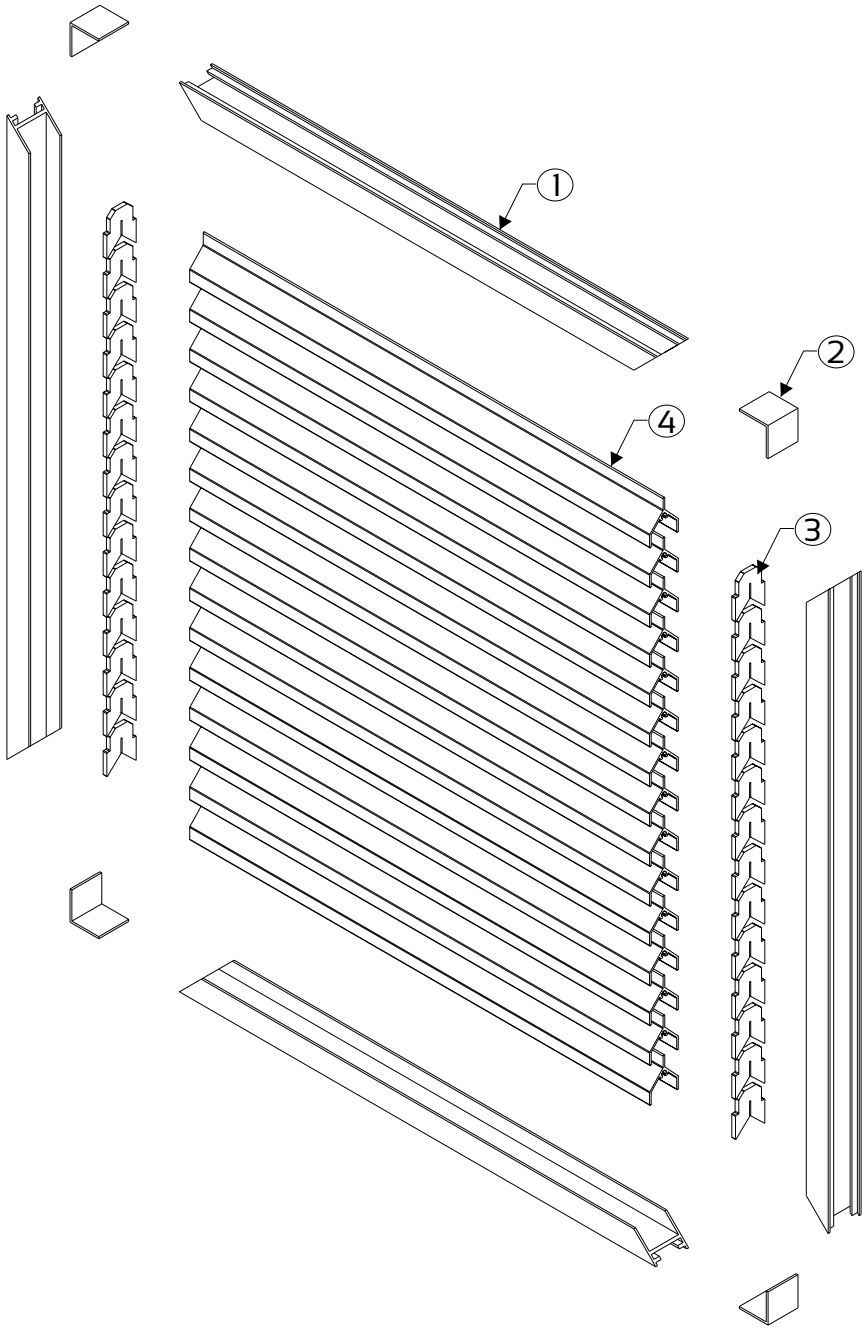
Component Assembly Detail

Y-Louvre



System Profiles

ITEM	QTY	DIE No.	DESCRIPTION
1	4	W01101	Outer Frame

Hardware

ITEM	QTY	COMPONENT DESCRIPTION
2	4	Angle 25x25x1.6
3	2	Spacer
4	15	Louvre Blades

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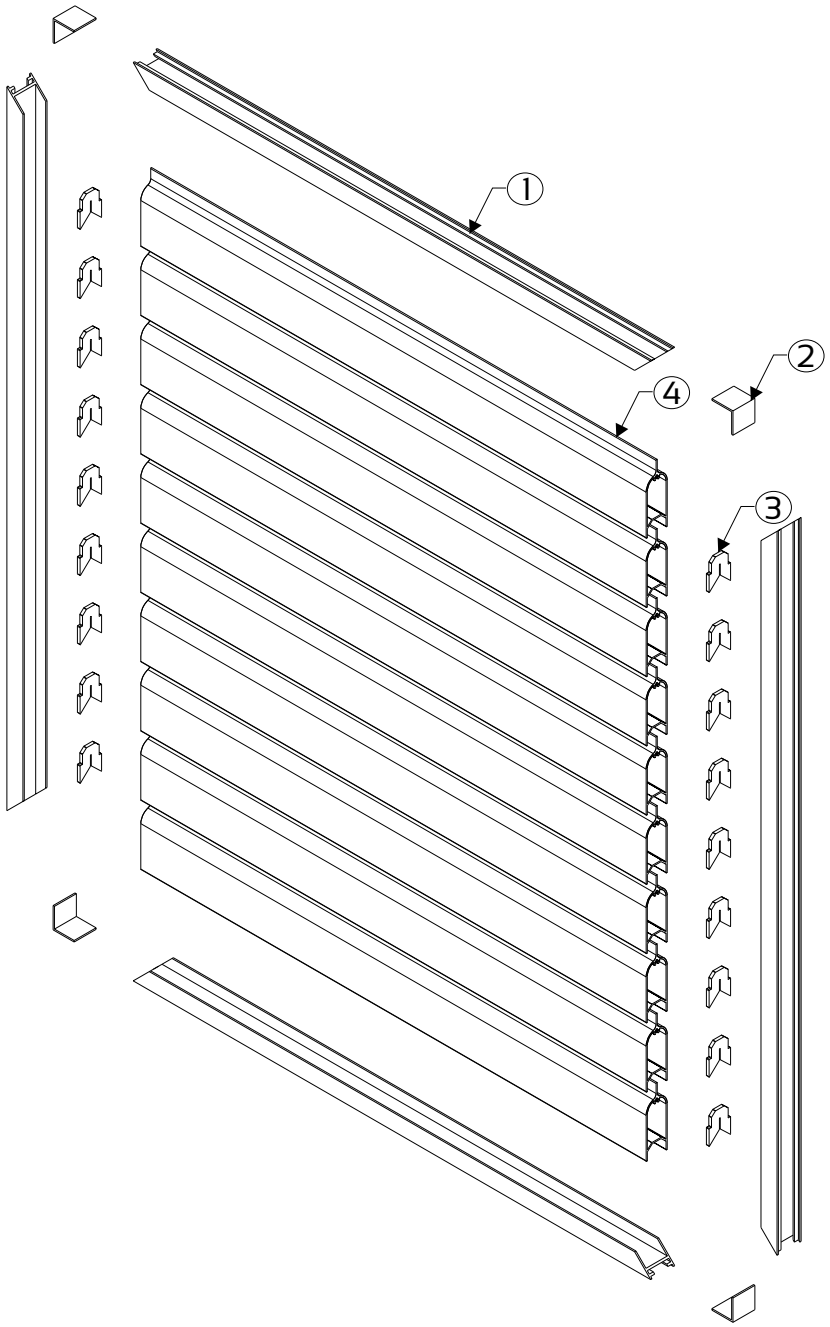
Component Assembly Detail

Rounded Y-Louvre



System Profiles

ITEM	QTY	DIE No.	DESCRIPTION
1	4	W01101	Outer Frame

Hardware

ITEM	QTY	COMPONENT DESCRIPTION
2	4	Angle 25x25x1.6
3	2	Spacer
4	10	Rounded Y-Louvre Blades

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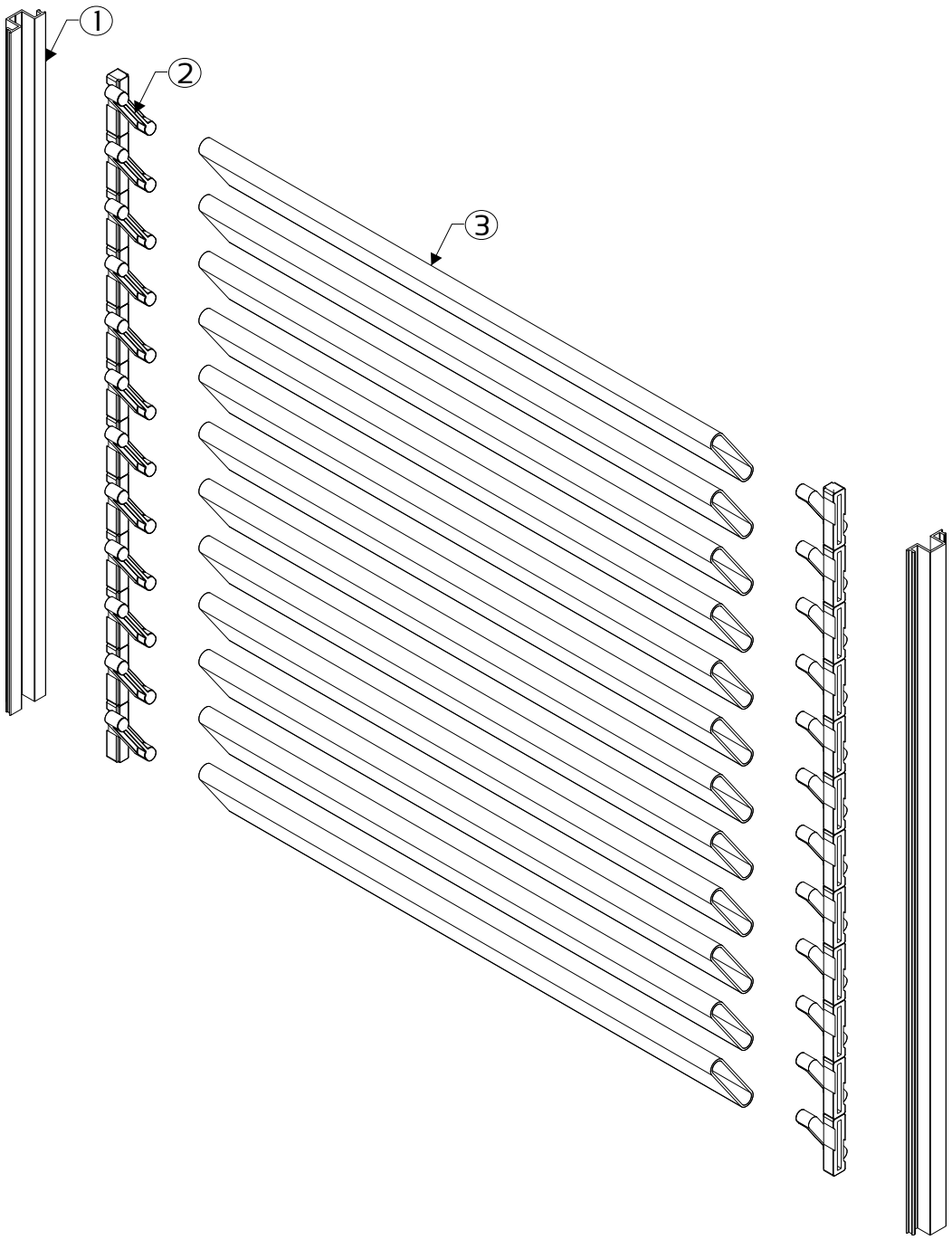
Component Assembly Detail

Oval Louvre



System Profiles

ITEM	QTY	DIE No.	DESCRIPTION
1	2	W30297	Filler for Oval Louvre

Hardware

ITEM	QTY	COMPONENT DESCRIPTION
2	2	Shutter
3	12	Oval Louvre

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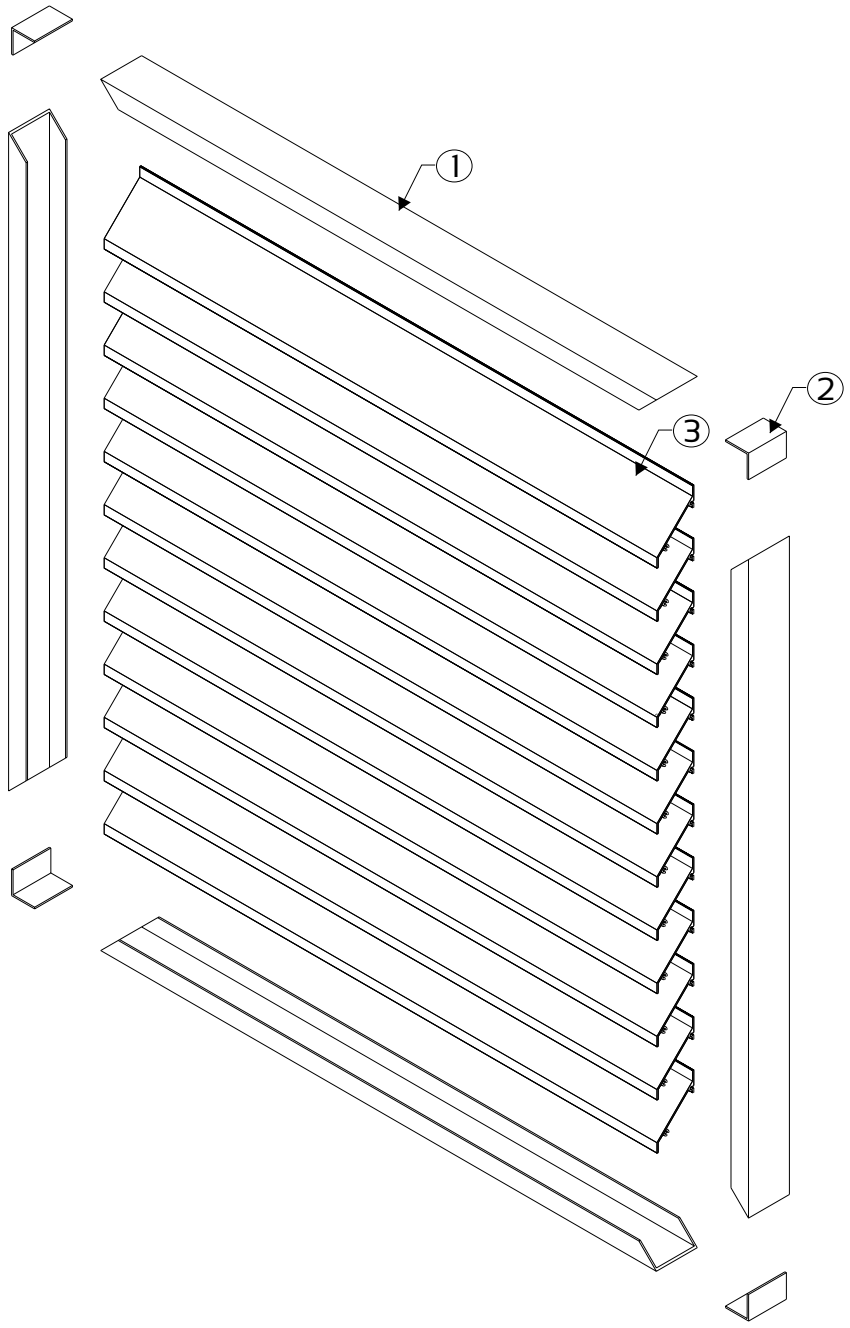
Component Assembly Detail

Lazy Z-Louvre



System Profiles

ITEM	QTY	DIE No.	DESCRIPTION
1	4	W23224	Compensating Channel

Hardware

ITEM	QTY	COMPONENT DESCRIPTION
2	4	Angle 25x25x1.6
3	12	Louvre Blades

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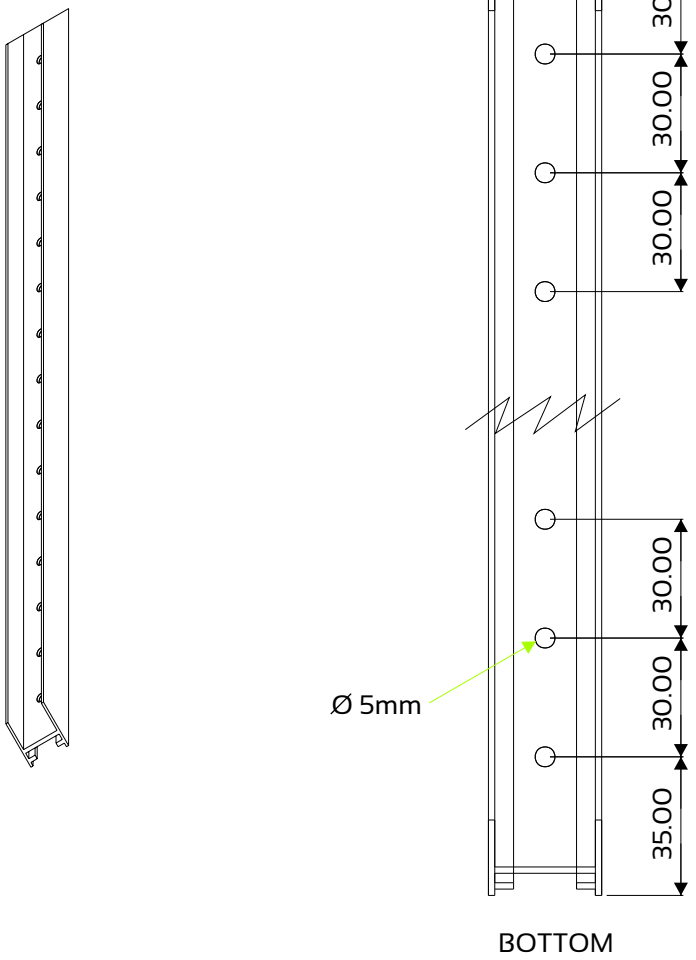
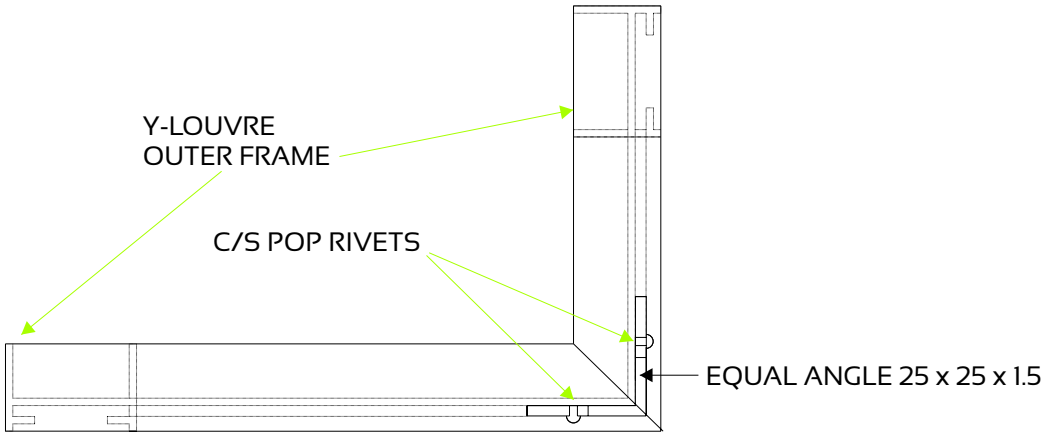
Fixing And Machining Detail

Y-Louvre





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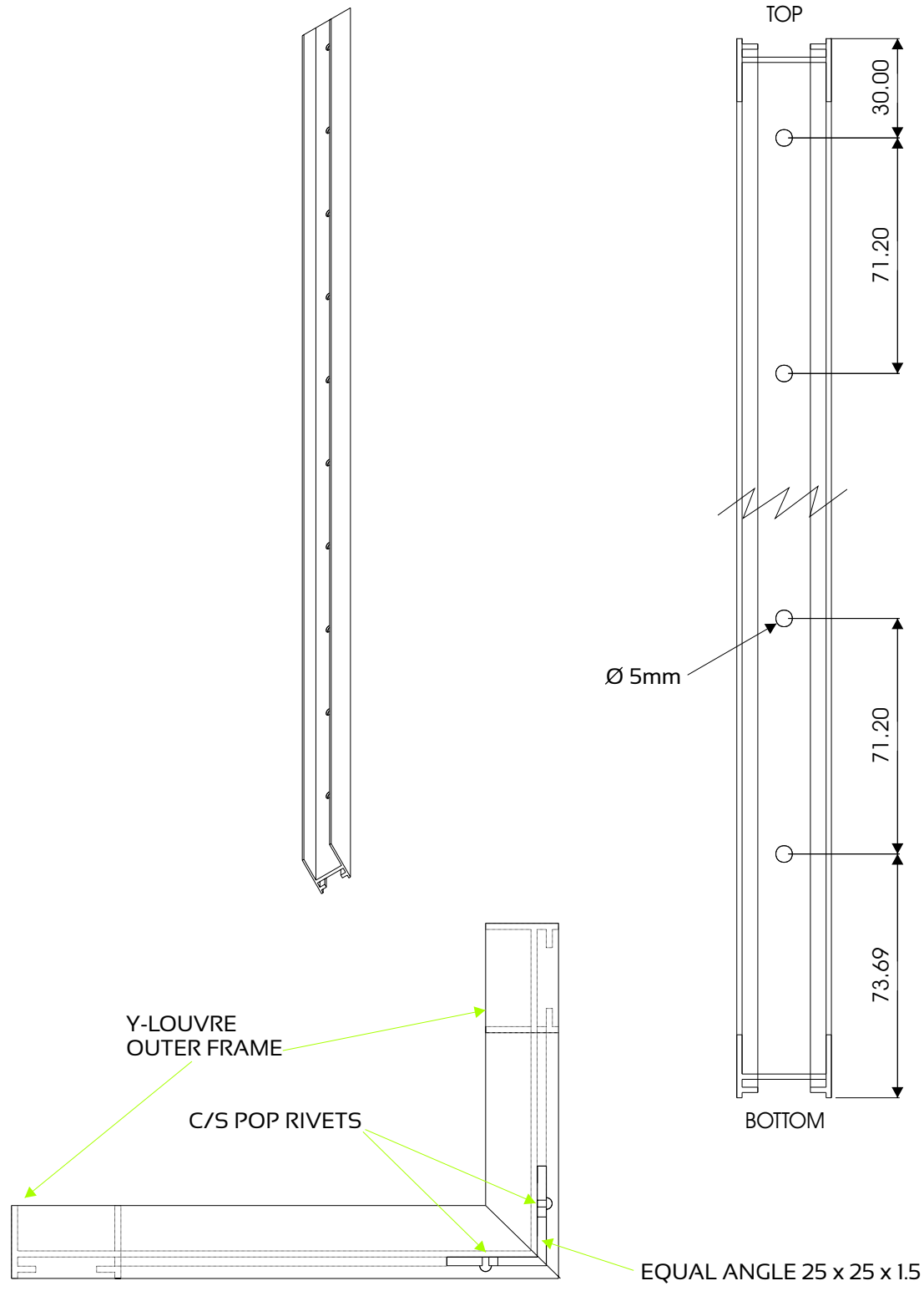
Fixing And Machining Detail

Rounded Y-Louvre



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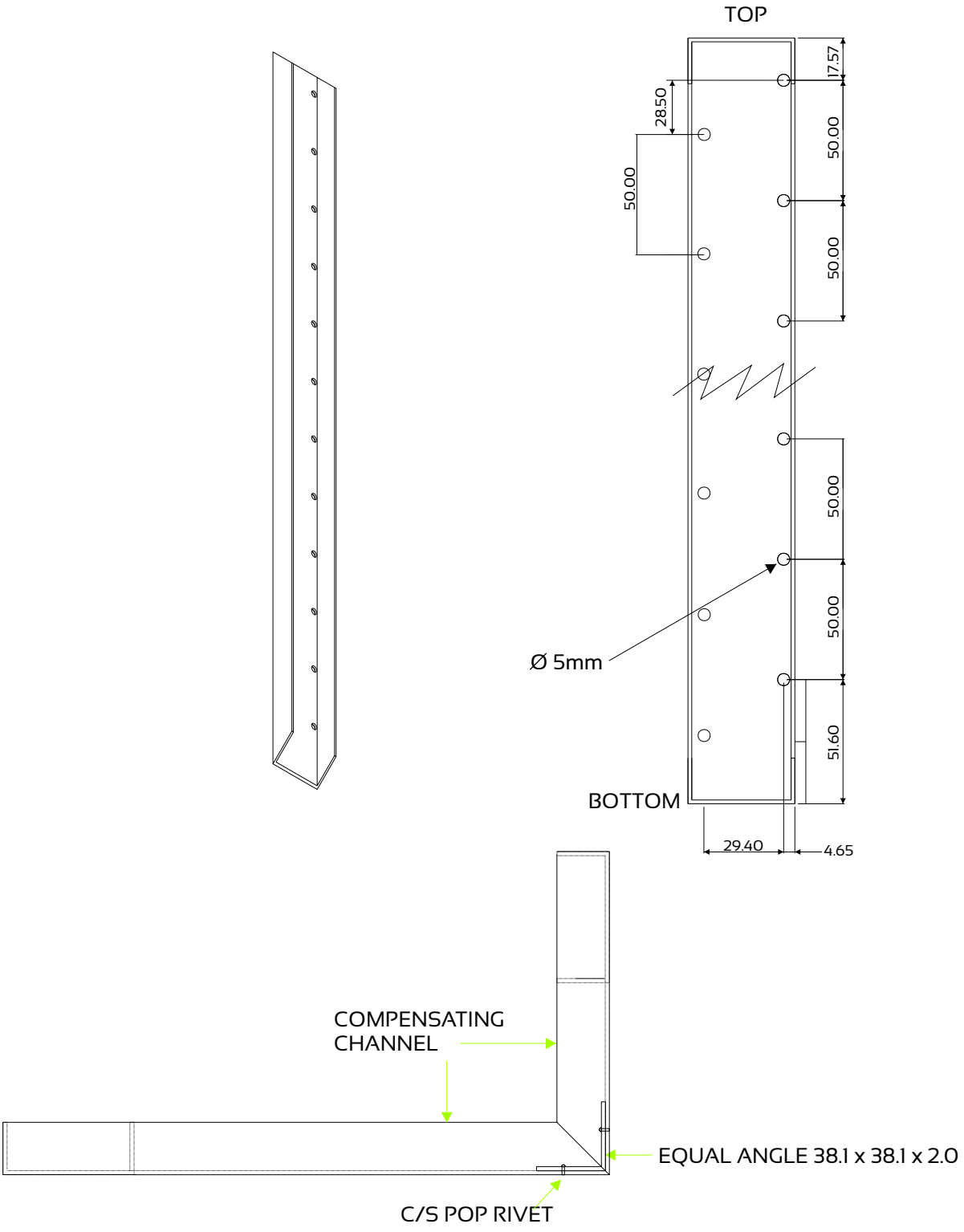
Fixing And Machining Detail

Lazy Z-Louvre



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GLAZING

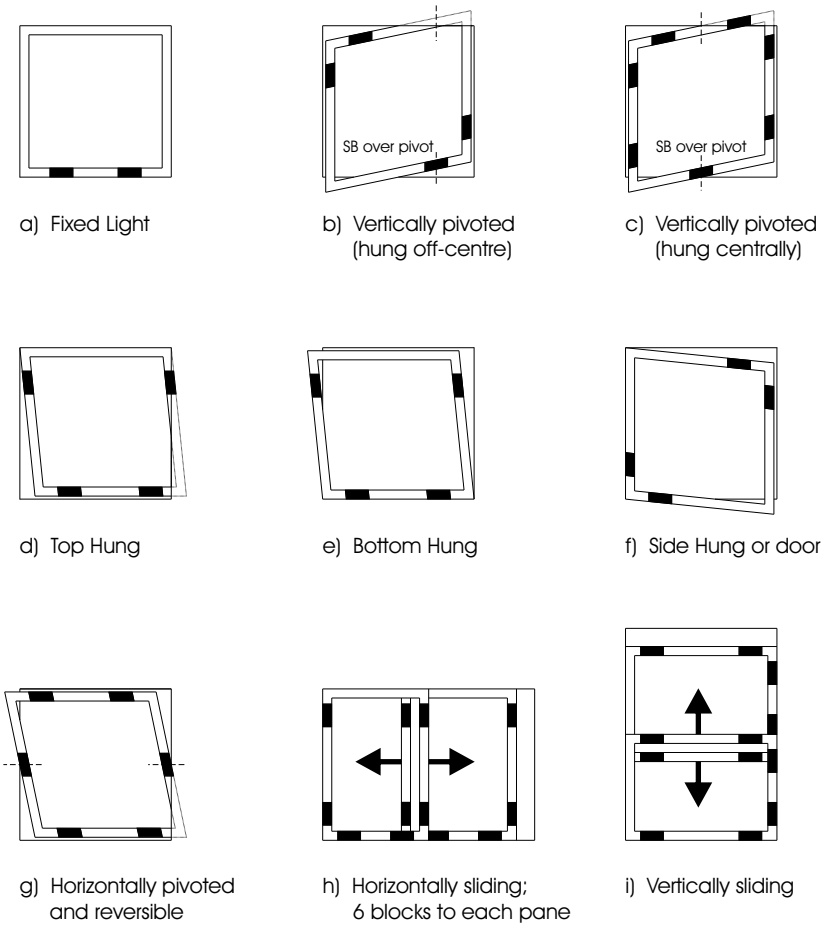
1. SELECTION OF GLAZING METHODS

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.

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