



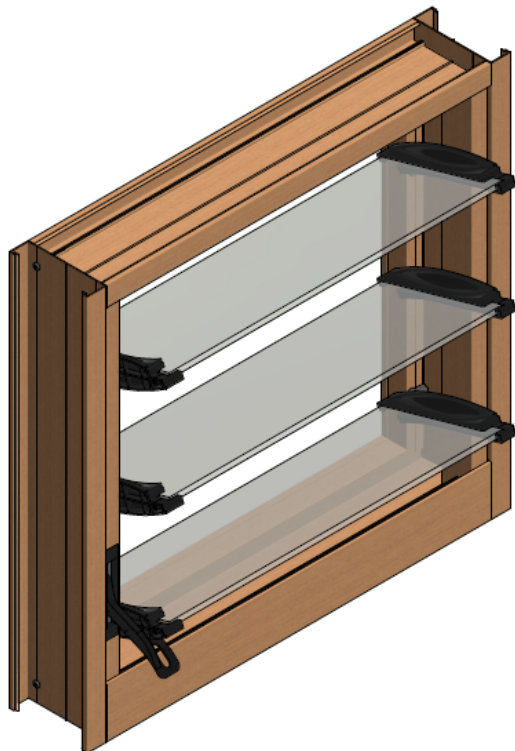
OASIS LOUVRE

Oasis Louvre

Technical Manual 2024

Innovative Modern Louvre Window

Innovative shutters with a modern design. Oasis shutters are versatile and stylish. Add modernity to your home. Can be used on windows, doors, and skylights. Create a space inside the house to receive fresh natural air outside. Add a new dimension to home design for designers and homeowners who need good ventilation. openness and comfort Elegance and privacy at the same time Comes with a waterproof frame system and has drainage holes for efficient drainage. In light rain, the shutters can be opened slightly to allow air to circulate.



Oasis shutters are unique and stand out, giving a beautiful look to any type of residence. Controls the amount of air circulating into the home. can cool and create a good atmo-sphere for residences or buildings provide comfort Increase safety for users Can prevent large objects from falling from buildings. and supports energy-saving home design as well.

Oasis' adjustable ventilation louvers are durable and easy to maintain. Made from quality aluminum, stainless steel and plastic that is durable against UV rays and for the plastic clip to hold the glass. Engineered to hold the glass firmly Prevents the glass from becoming loose or falling out. And removing glass from the outside of a building is not easy.

The Oasis shutters have an automatic system that uses motor power to drive. Quiet motor hidden inside the frame Make it beautiful and neat without wasting space. Our meticulous design Allows use in high vents or hard-to-reach areas. and for users who want to integrate their work with smart home applications Add a level of excellence to your living space. Makes using the shutters more comfortable.



The Oasis Difference

Oasis shutters are different from other types of shutters. This is our unique feature. This makes Oasis shutters a complete window system that can be used safely with good air circulation.

■ Oasis Framing

The Oasis louvre frame system is uniquely designed with attention to detail and can be used in any home or building. in a variety of ways. Seals are installed on the upper and lower frames to prevent water and air from entering the building. When the shutter is closed completely, it forms a waterproof seal. When opening the louvres, it helps in good ventilation. The frame size is 101.6 millimeters. Can install general mosquito screens to keep out insects or safety screens.

■ Size of Oasis shutters

Oasis louvres have 2 options for inserting glass or inserting 6 millimeter thick aluminum sheets.

- The 102mm model has a width of 4 inches (10 centimeters)
- The 152mm model has a width of 6 inches (15 centimeters)

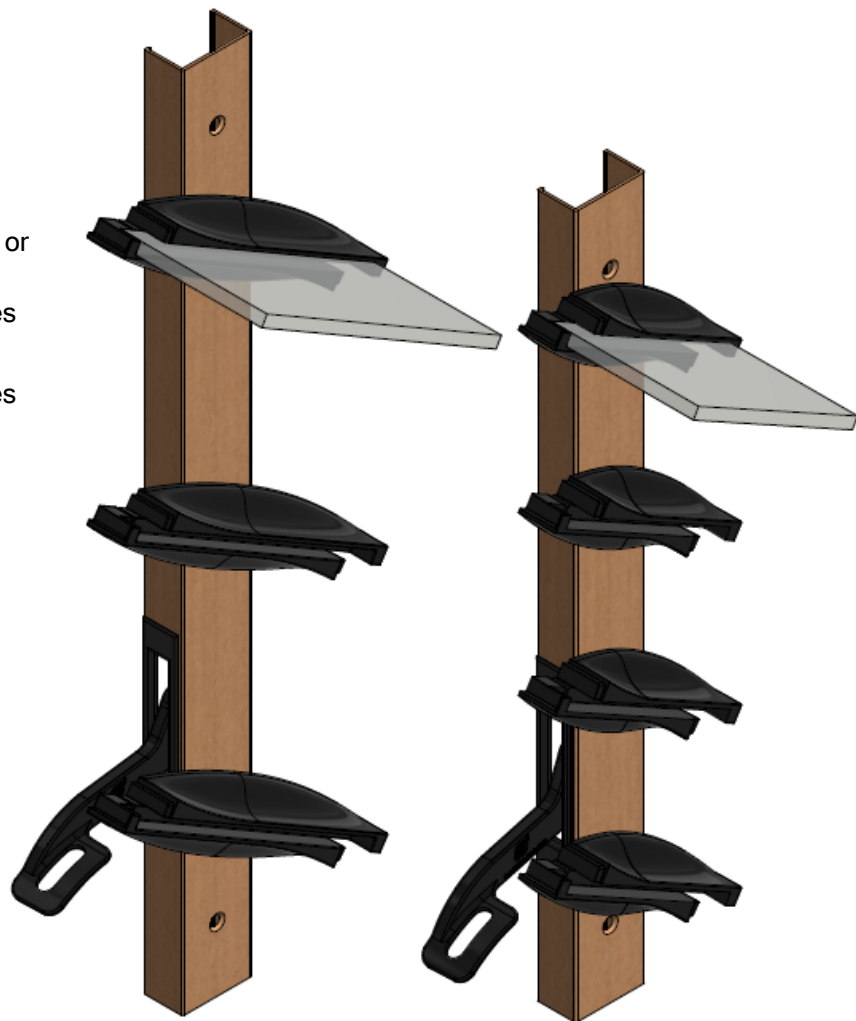
■ Handle Options

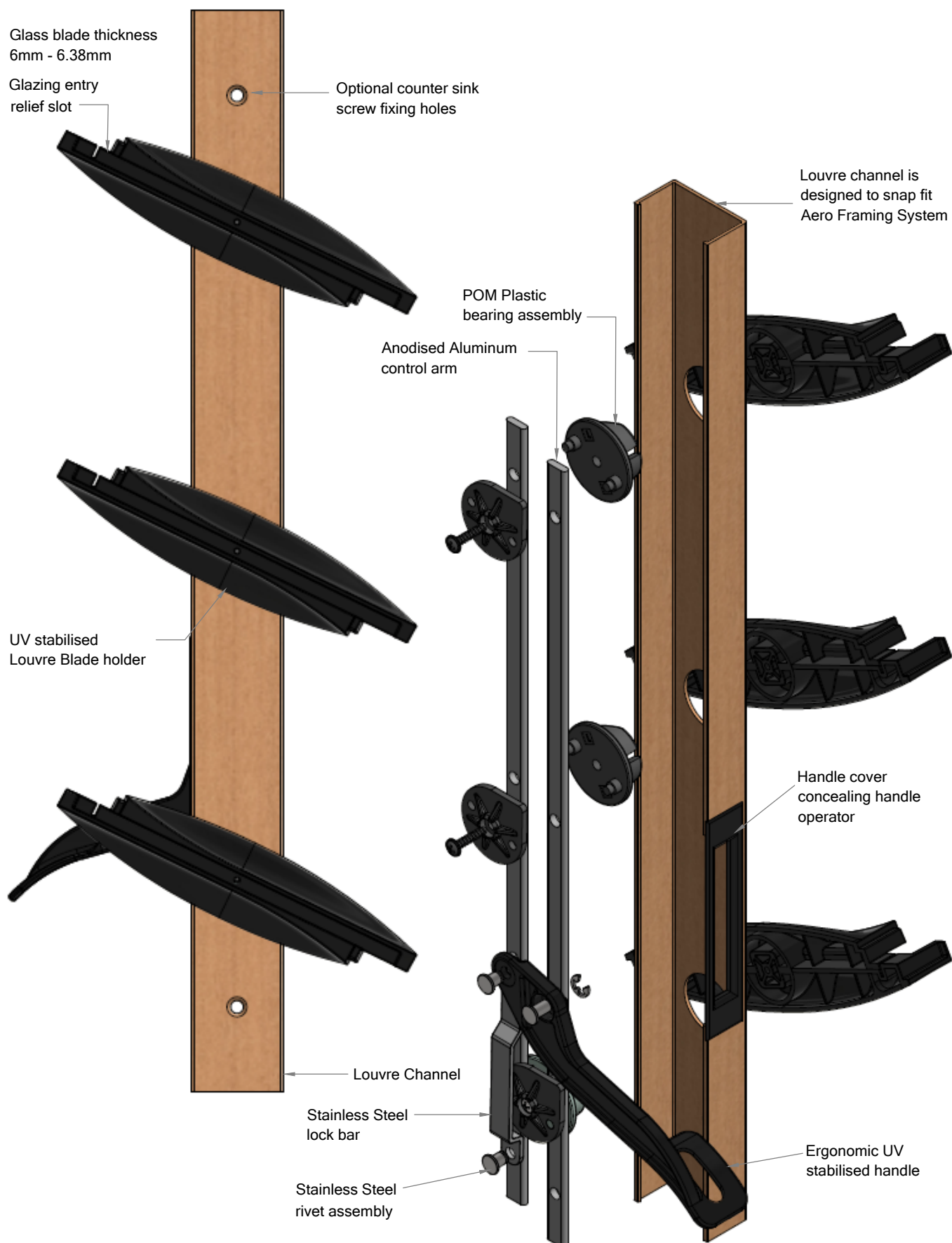
The Oasis shutter lever handle has a standard lever handle that is easy to use. Engineered to use POM plastic that is beautiful, strong and durable, resistant to UV rays and easy to clean. To use it, just slide it down to open and push it up to close the shutter. It flows smoothly and does not get stuck or rust like other handles. Can be installed at every level of the window pane. and a thin handle with a beautiful, modern design For use with shutters installed in window shutters. Folding doors and entrance doors

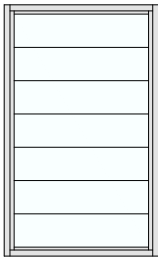
■ Performance

Oasis shutters are designed for

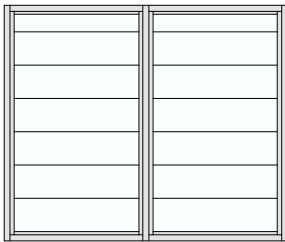
- Water pressure test 300 pascal
- Air pressure test 4000 pascal
- Tested for 20,000 cycles
- 1000 hours of salt spray testing
- 20 years of exposure to UV rays



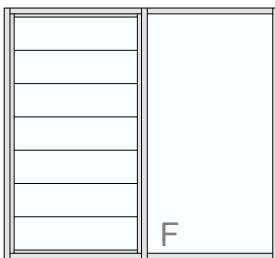




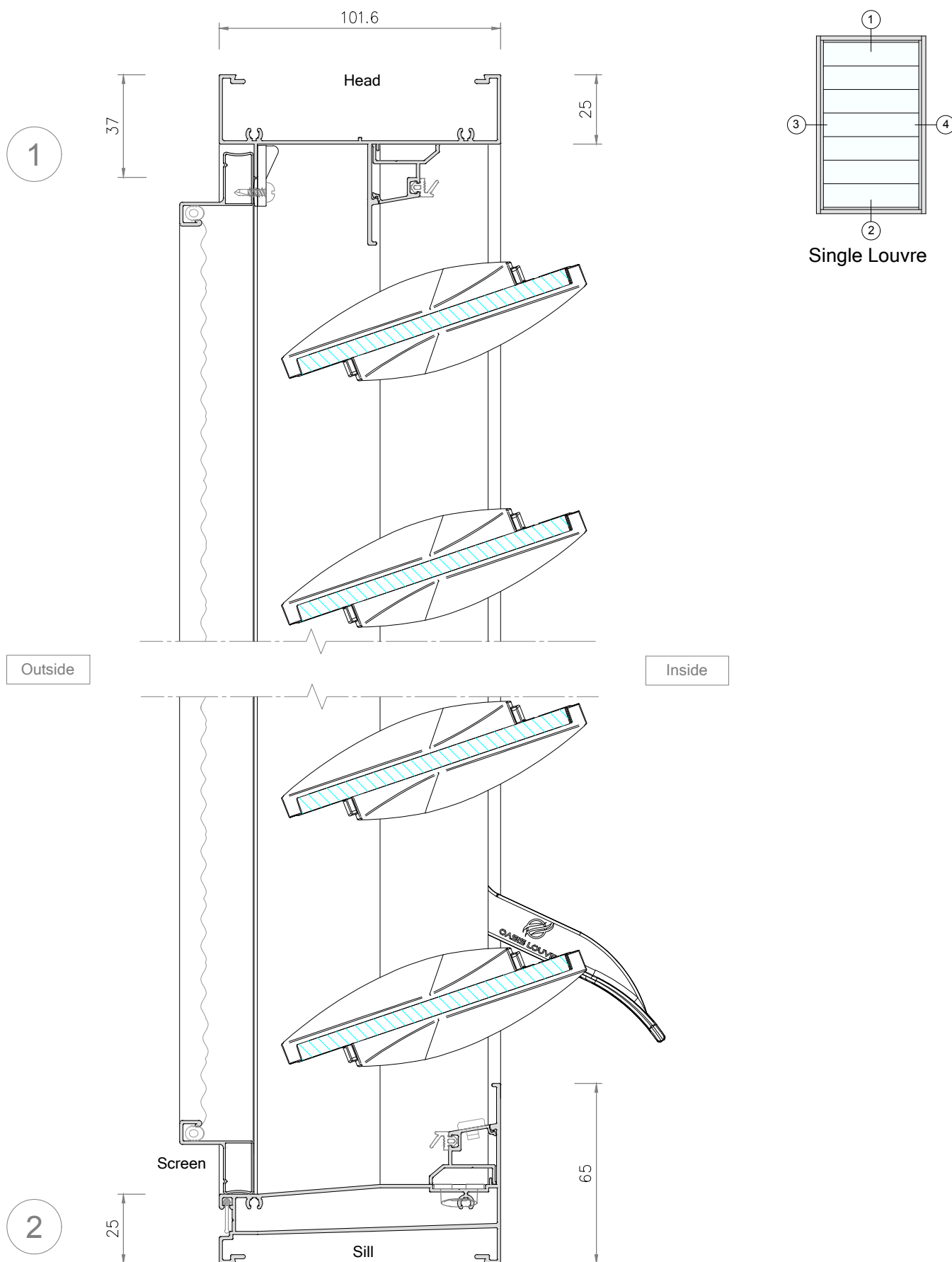
Single Louvre Type

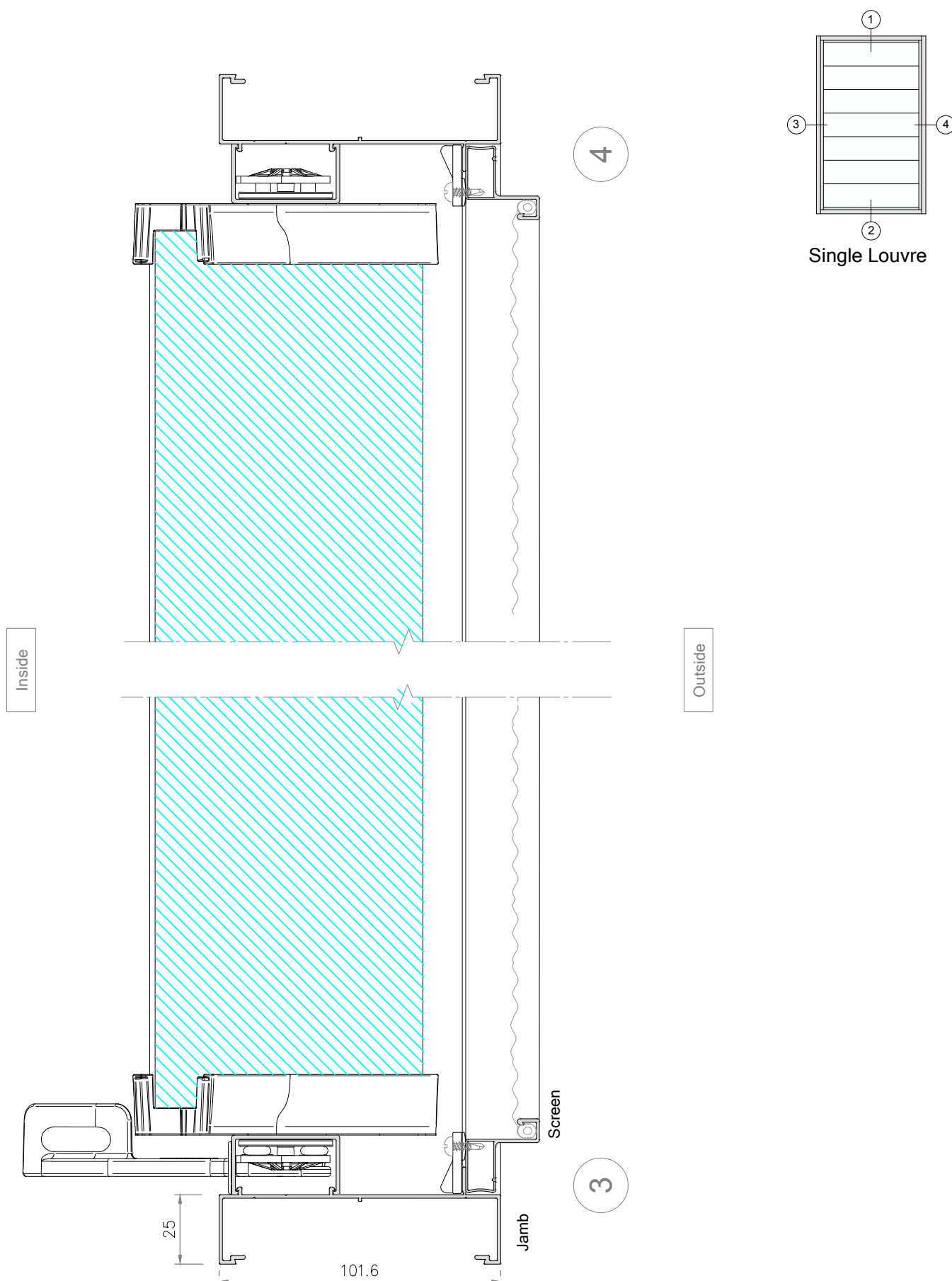


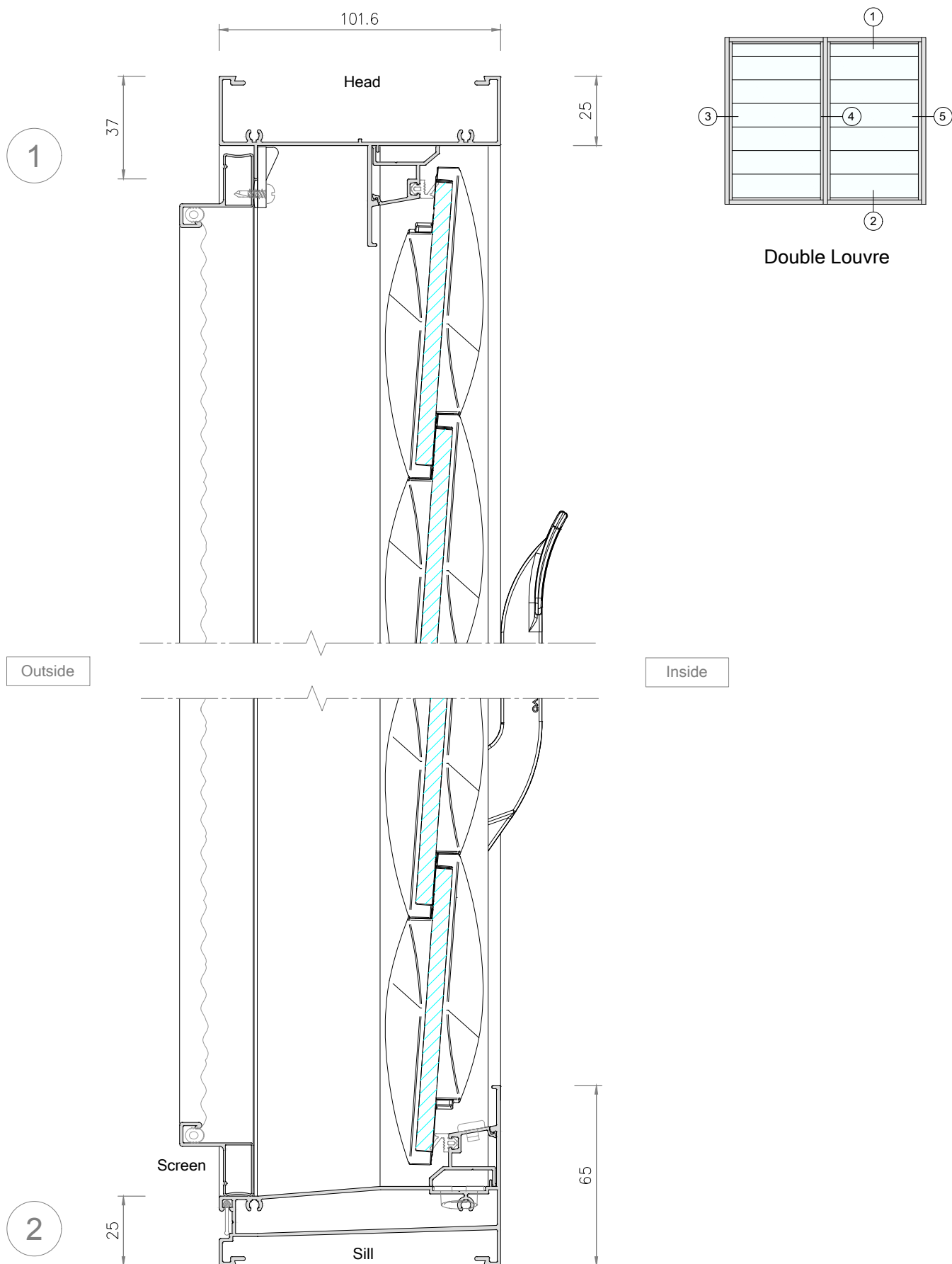
Double Louvre Type

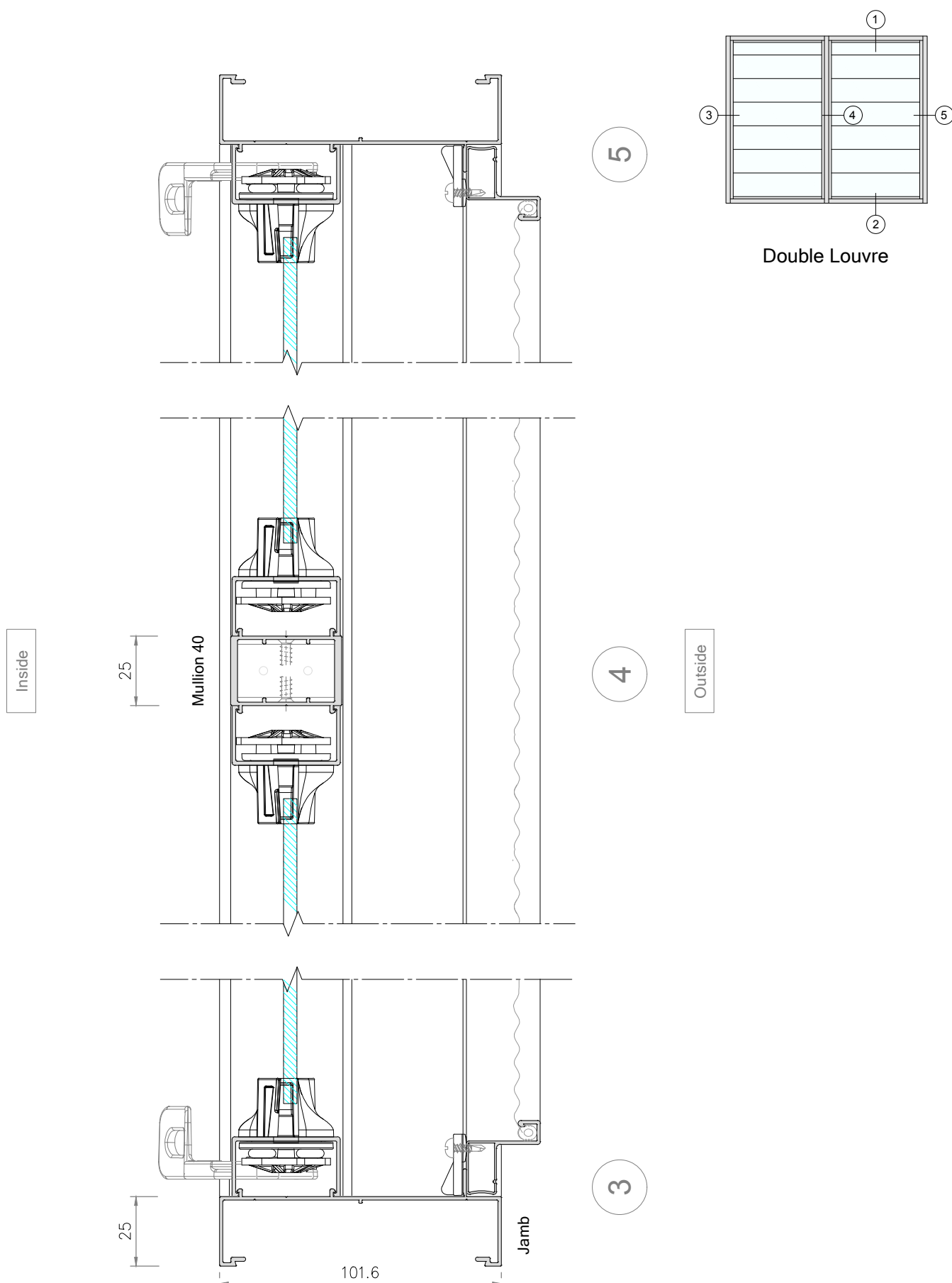


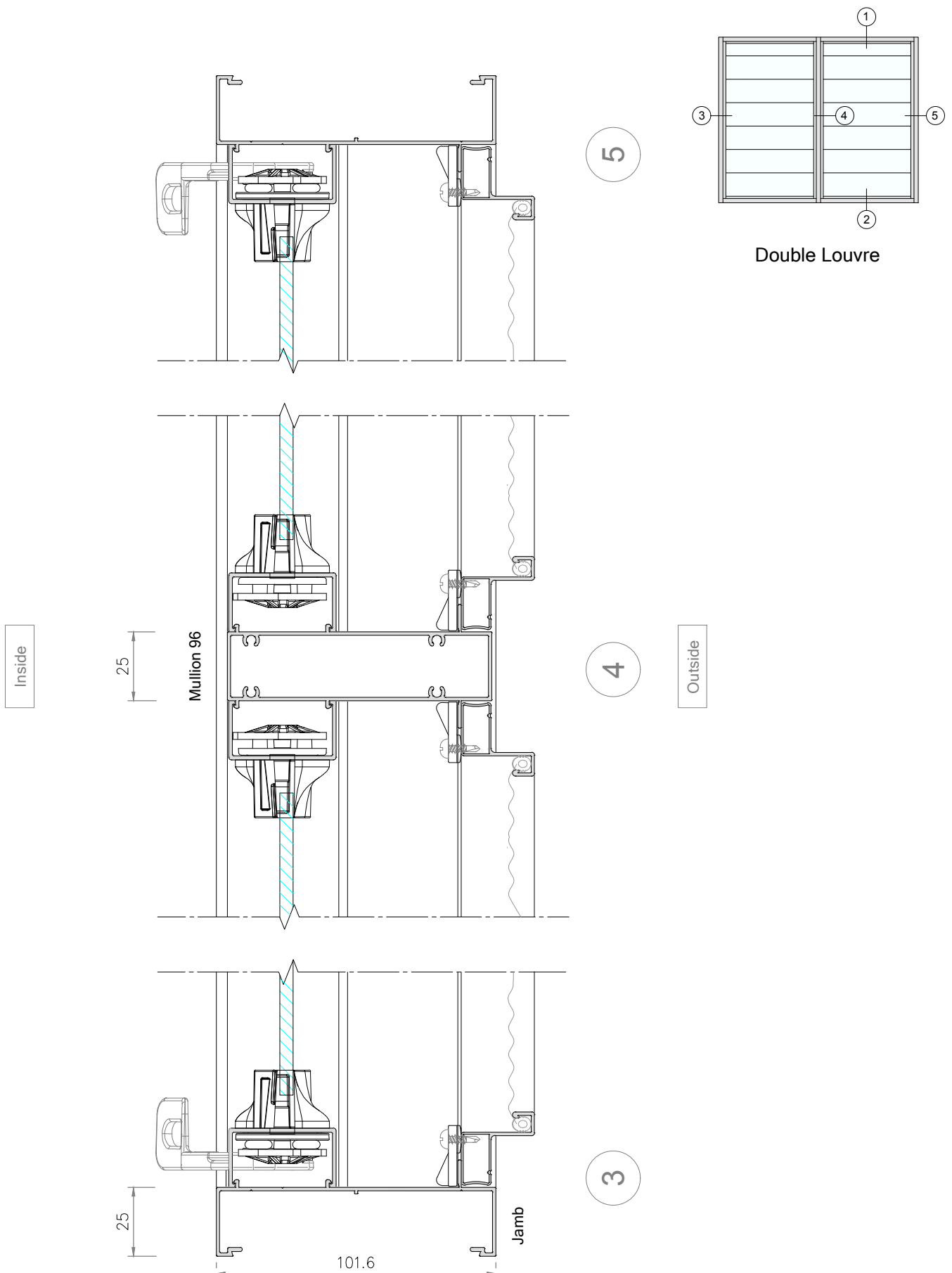
Single Louvre Type + Fixed Panel

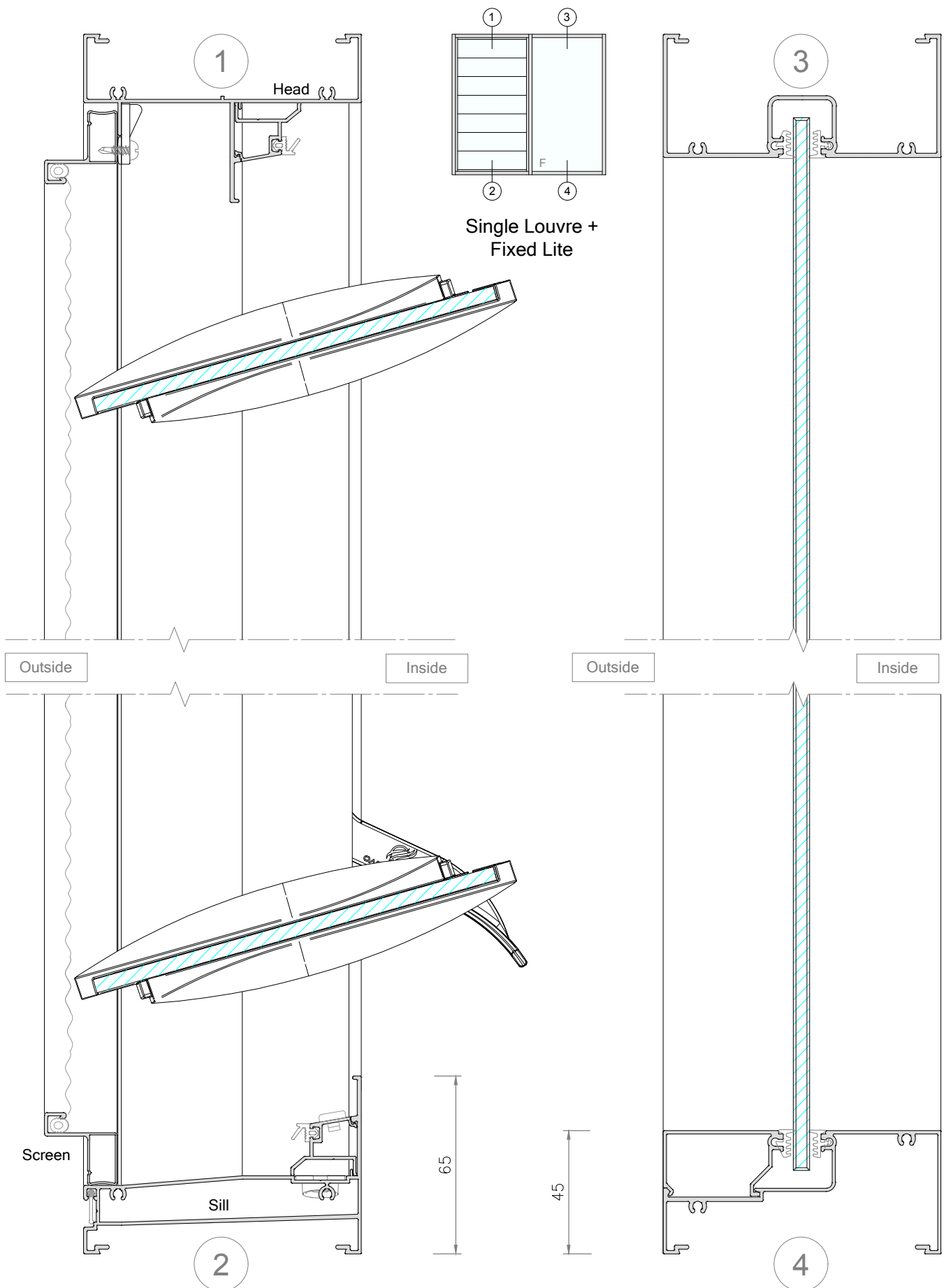


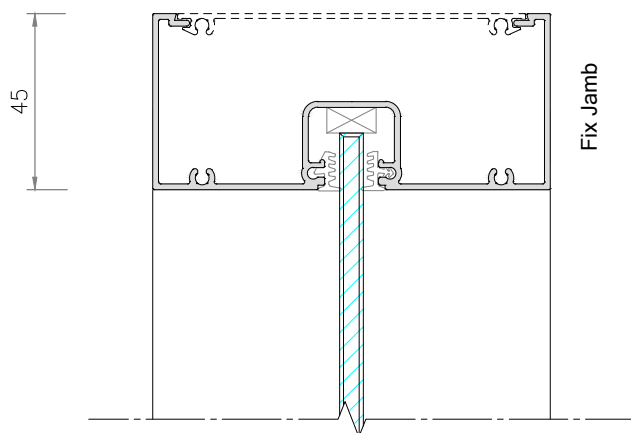




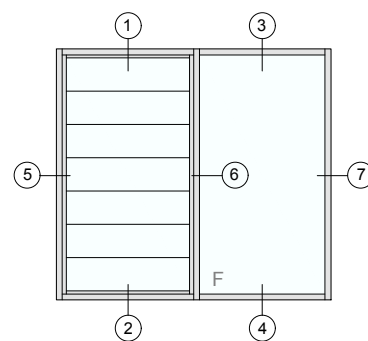




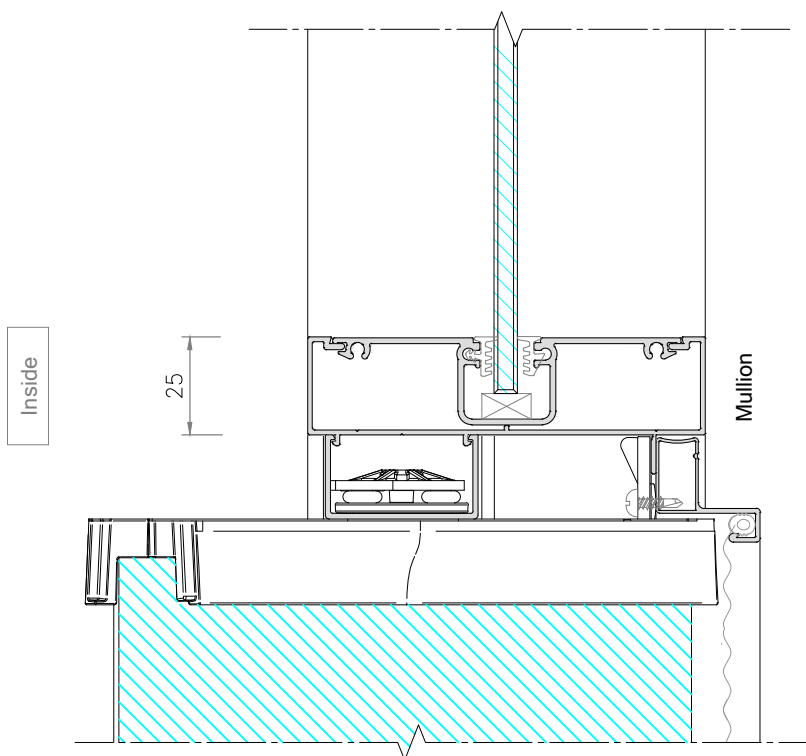




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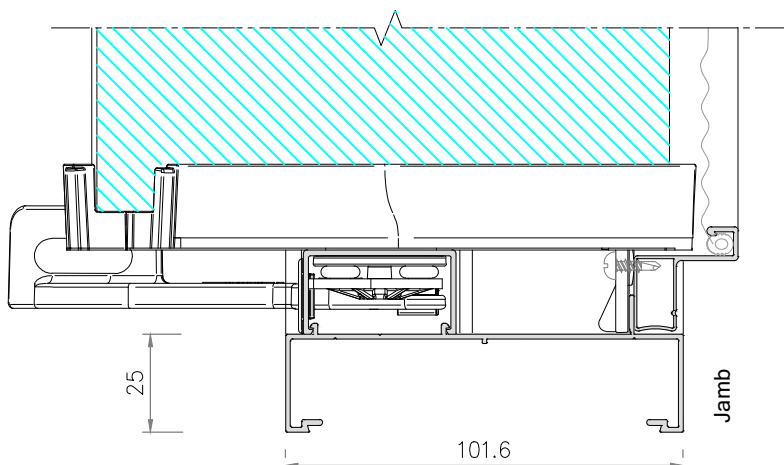


Single Louvre +
Fixed Lite

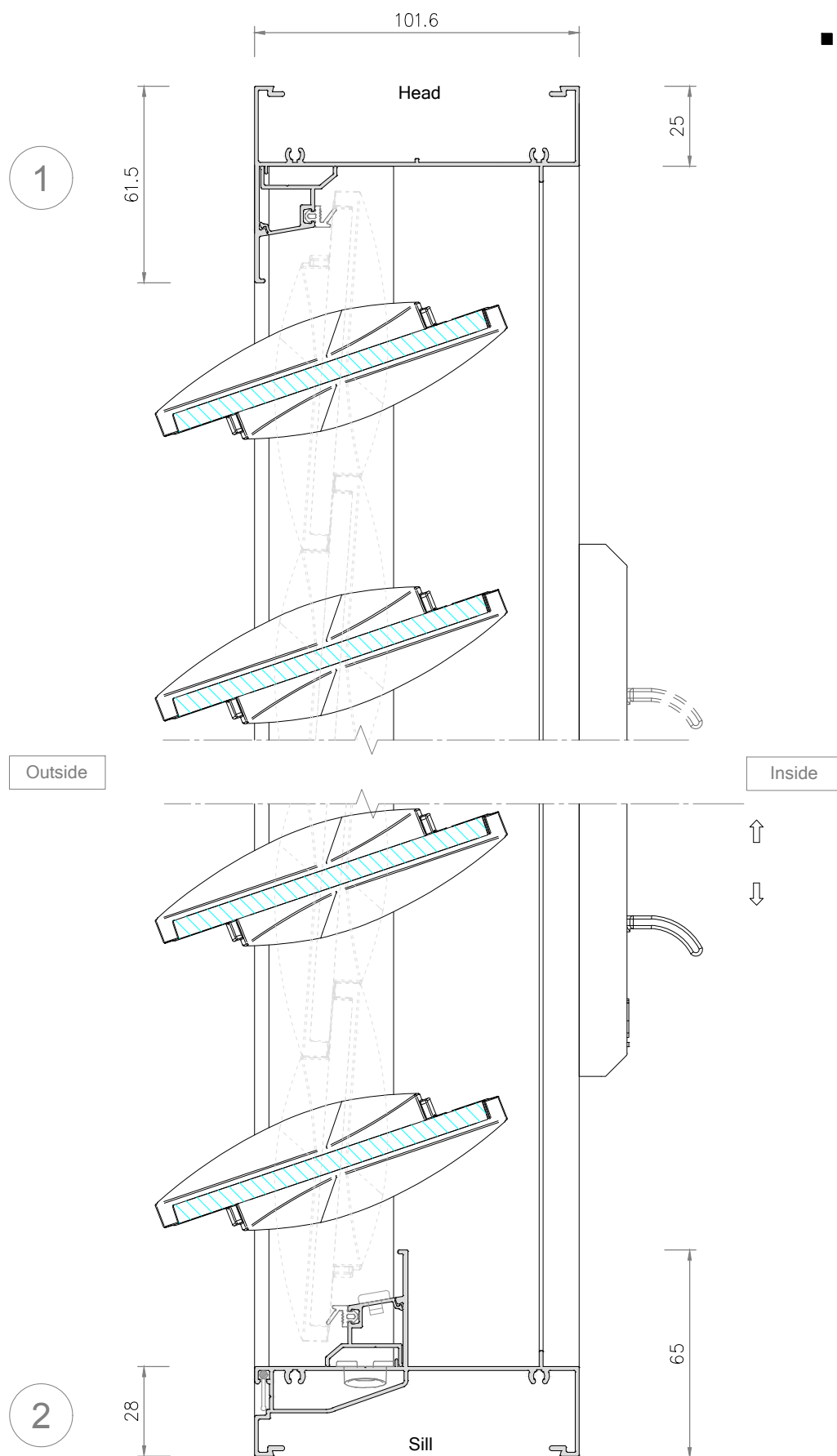


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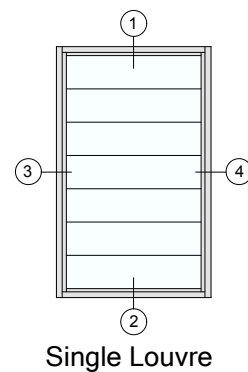
Outside



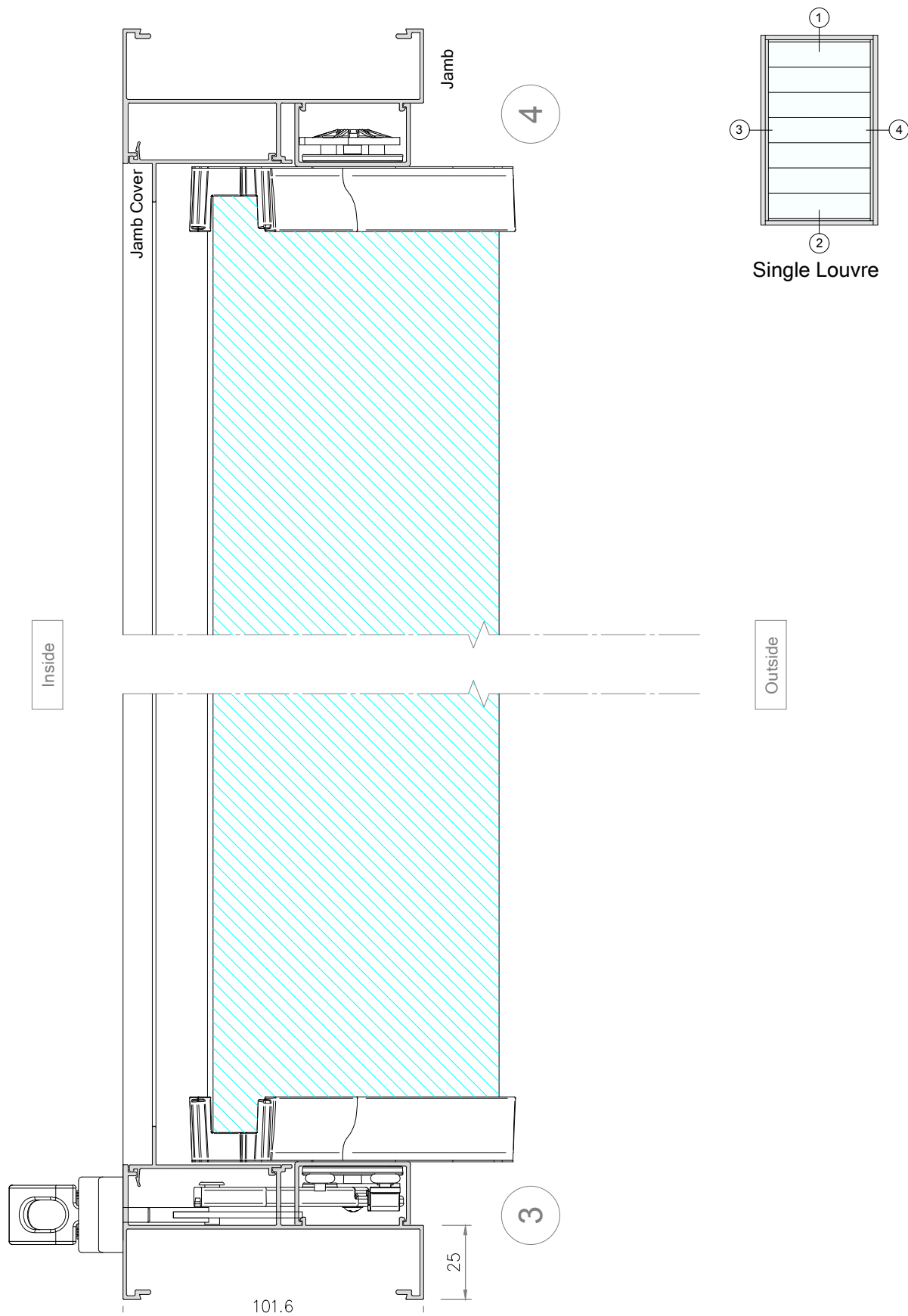
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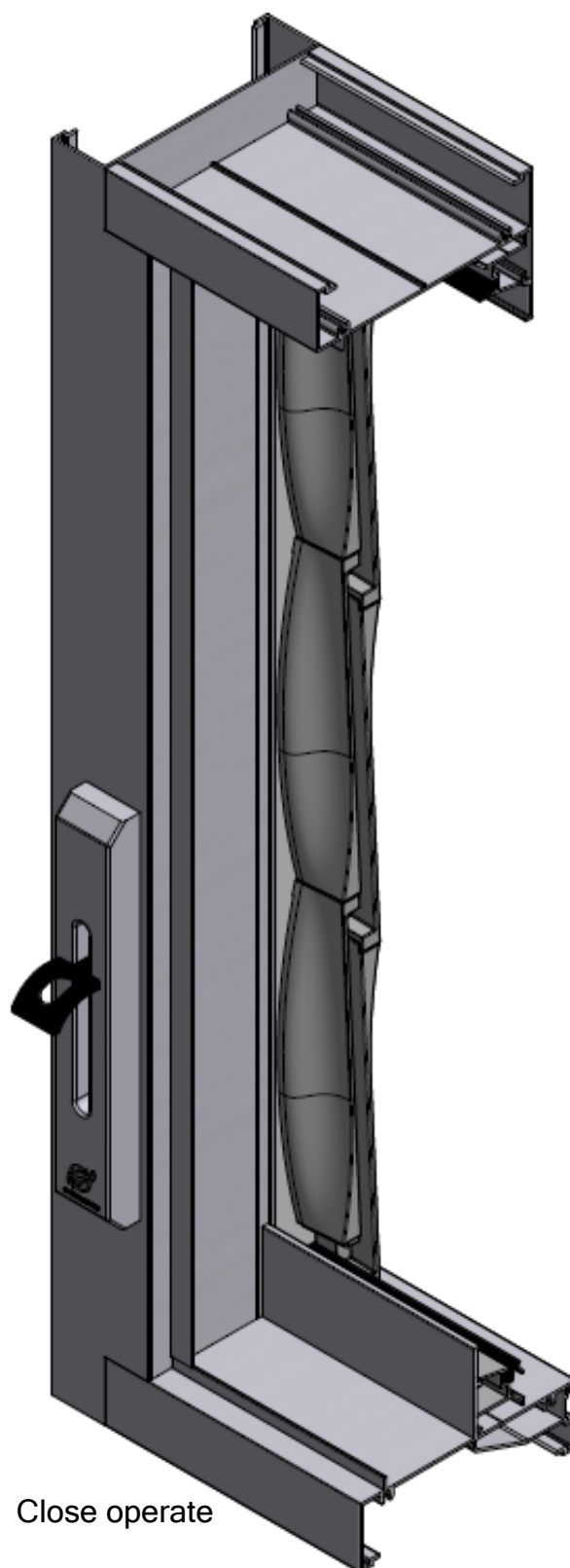
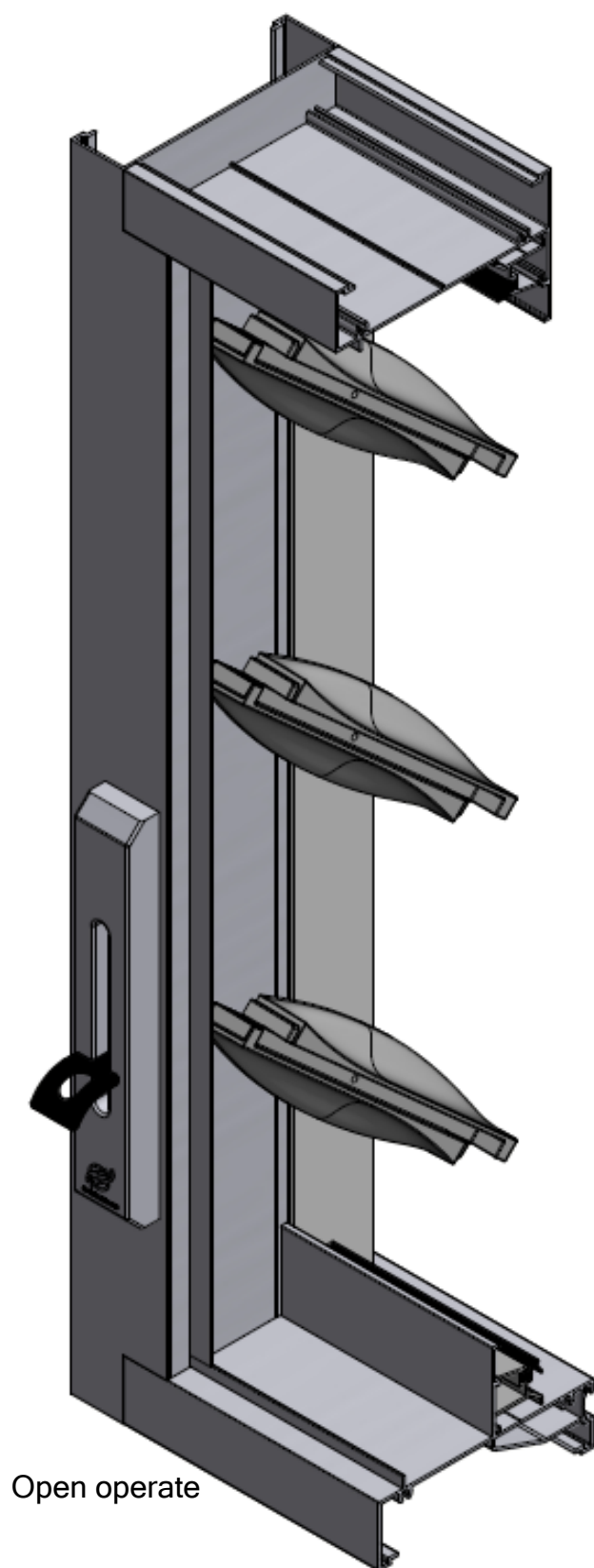
■ Inside Handle concept

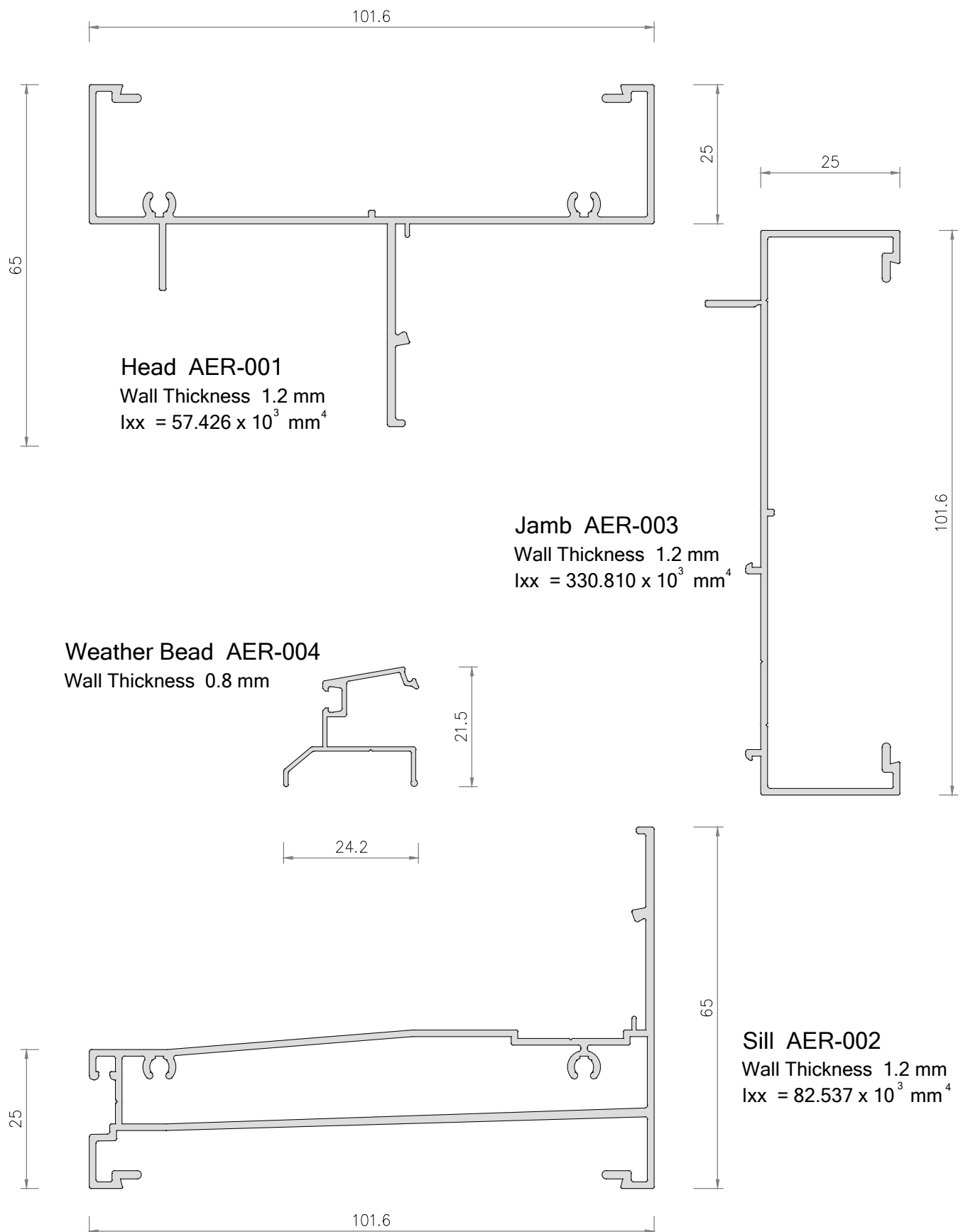


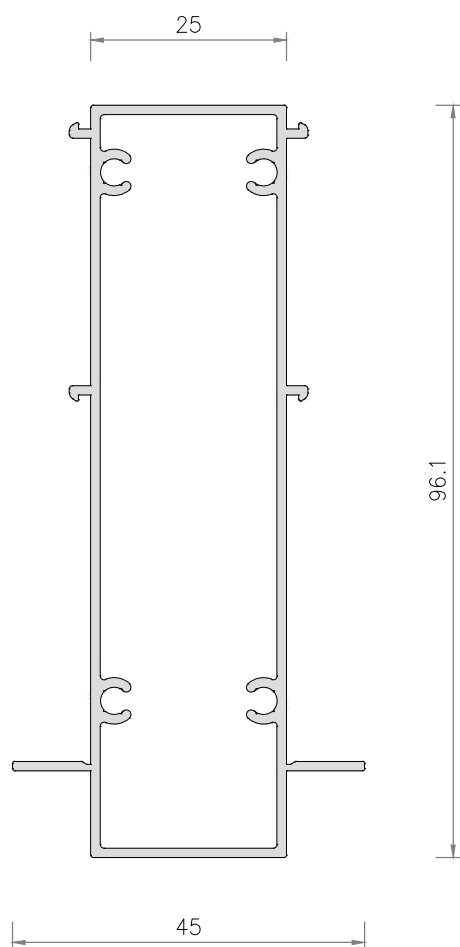
■ Inside Handle concept



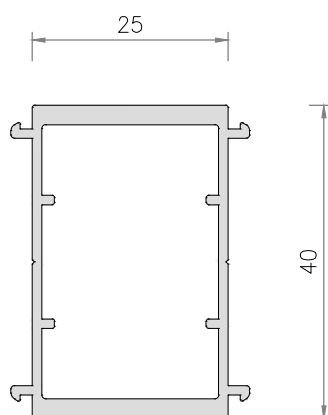
■ Inside Handle concept





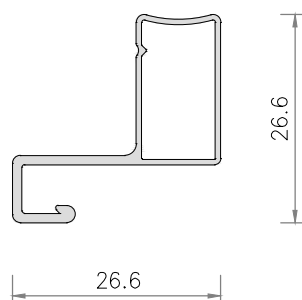


Mullion 96 AER-005
Wall Thickness 1.2 mm
 $I_{xx} = 395.950 \times 10^3 \text{ mm}^4$

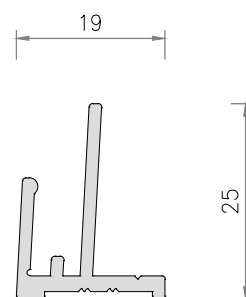


Mullion 40 AER-006
Wall Thickness 1.2 mm
 $I_{xx} = 57.409 \times 10^3 \text{ mm}^4$

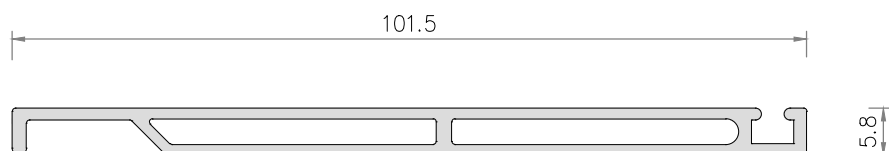
Weather Bar AER-008
Wall Thickness 1.2 mm



Fly Screen AER-007
Wall Thickness 1.2 mm



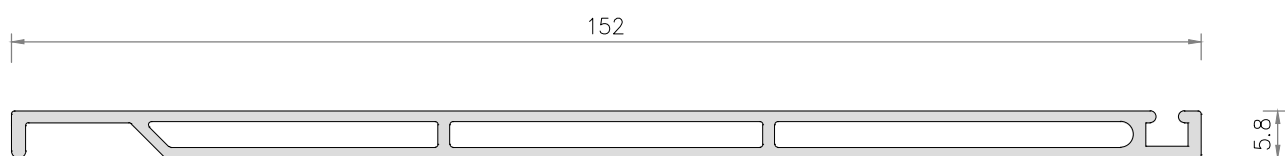
Blade Retainer AER-011
Wall Thickness 1.6, 2.0 mm



102mm Blade AER-010

Wall Thickness 1.35 mm

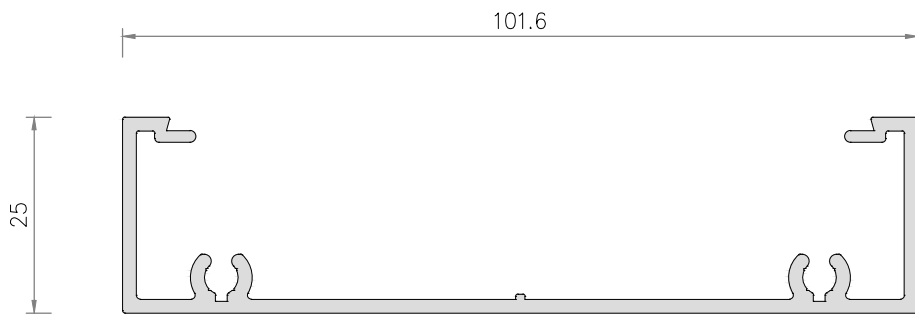
$I_{xx} = 1.395 \times 10^3 \text{ mm}^4$



152mm Blade AER-009

Wall Thickness 1.35 mm

$I_{xx} = 2.159 \times 10^3 \text{ mm}^4$



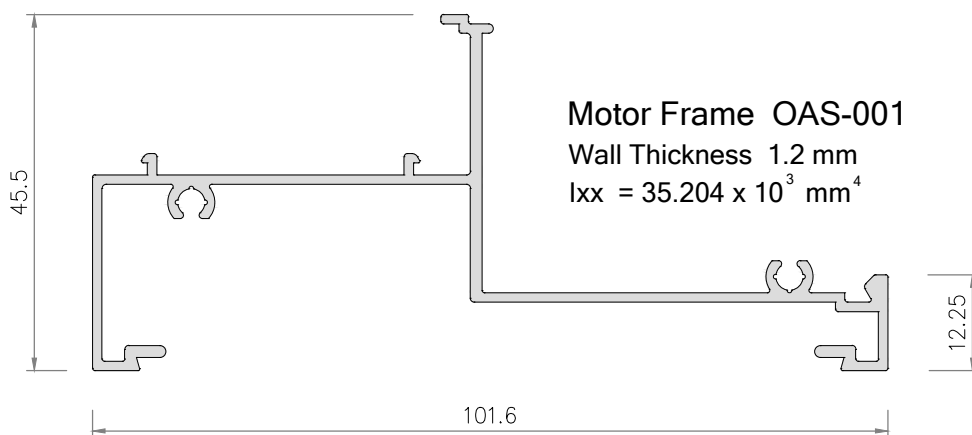
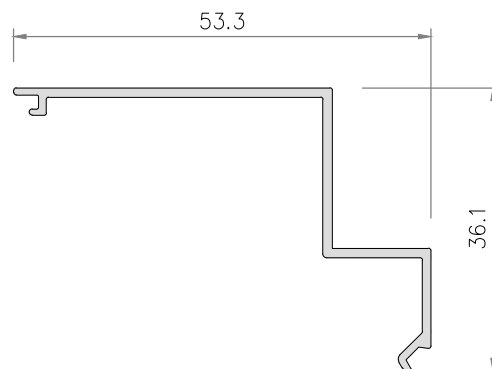
Plain Frame OAS-003

Wall Thickness 1.35 mm

$I_{xx} = 482.666 \times 10^3 \text{ mm}^4$

Cover Frame OAS-002

Wall Thickness 1.2 mm



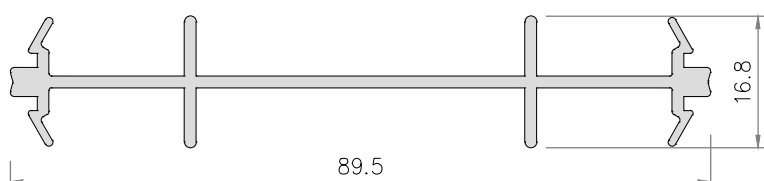
Motor Frame OAS-001

Wall Thickness 1.2 mm

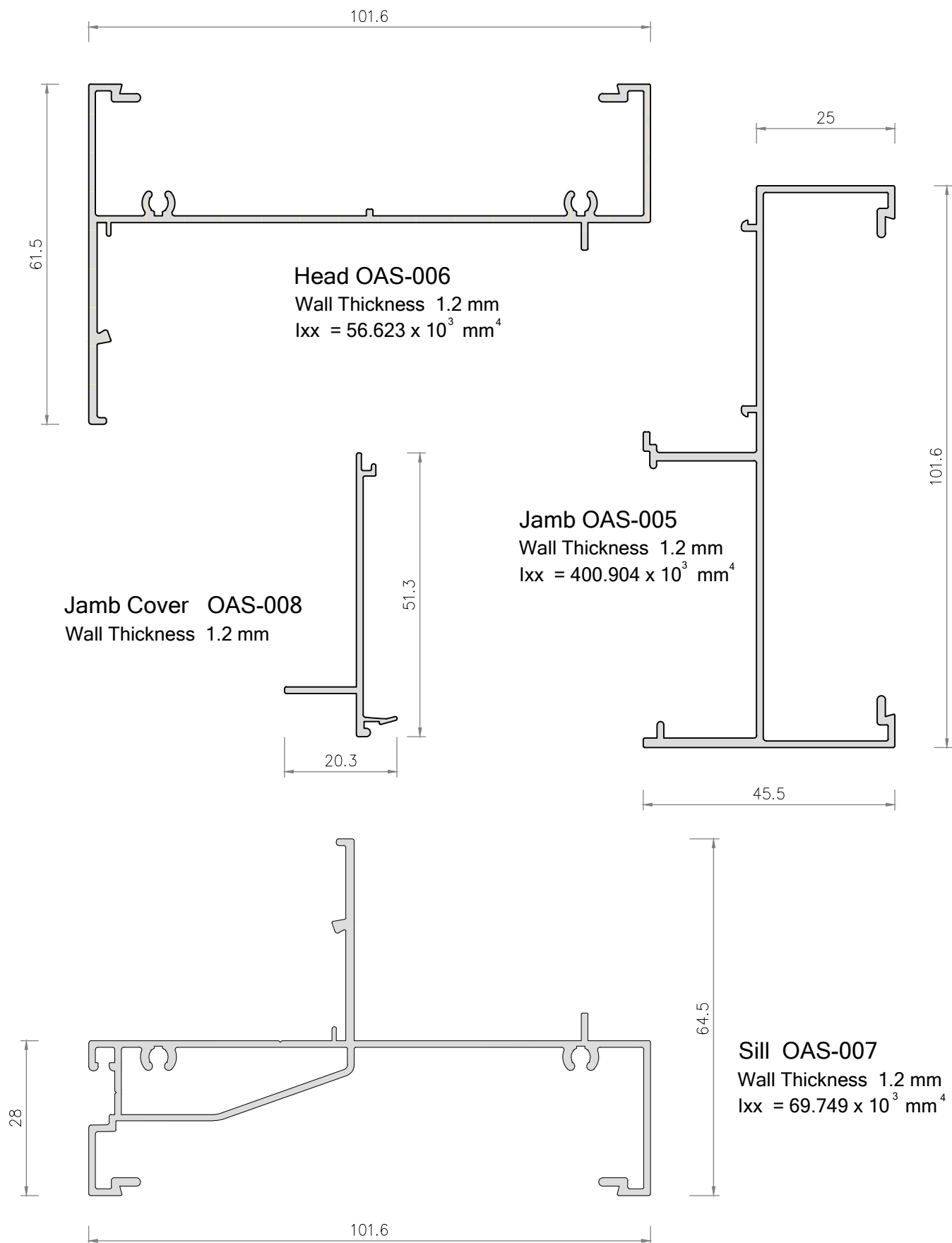
$I_{xx} = 35.204 \times 10^3 \text{ mm}^4$

Frame Coupler OAS-004

Wall Thickness 1.5 mm

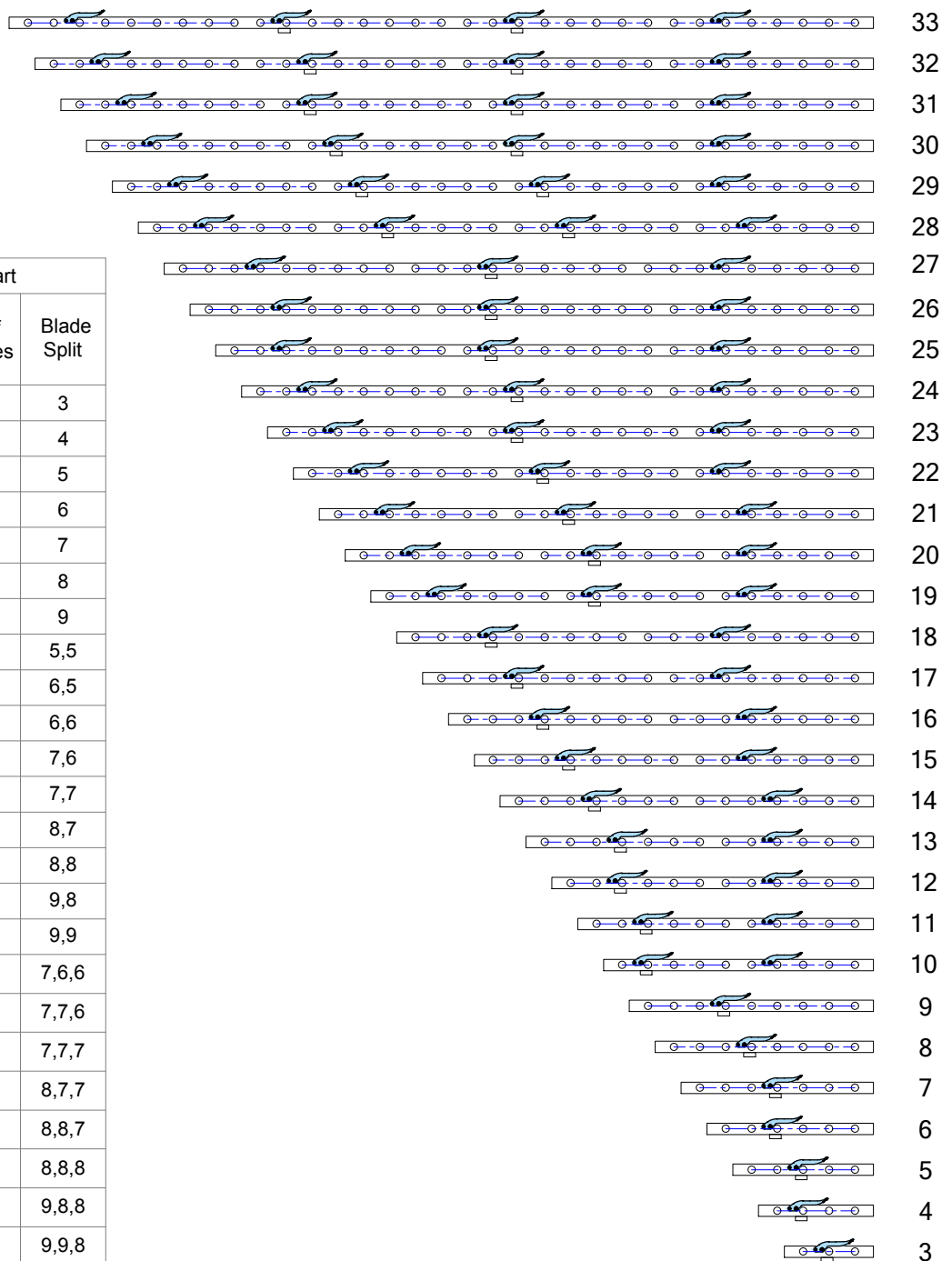


■ Inside Handle concept



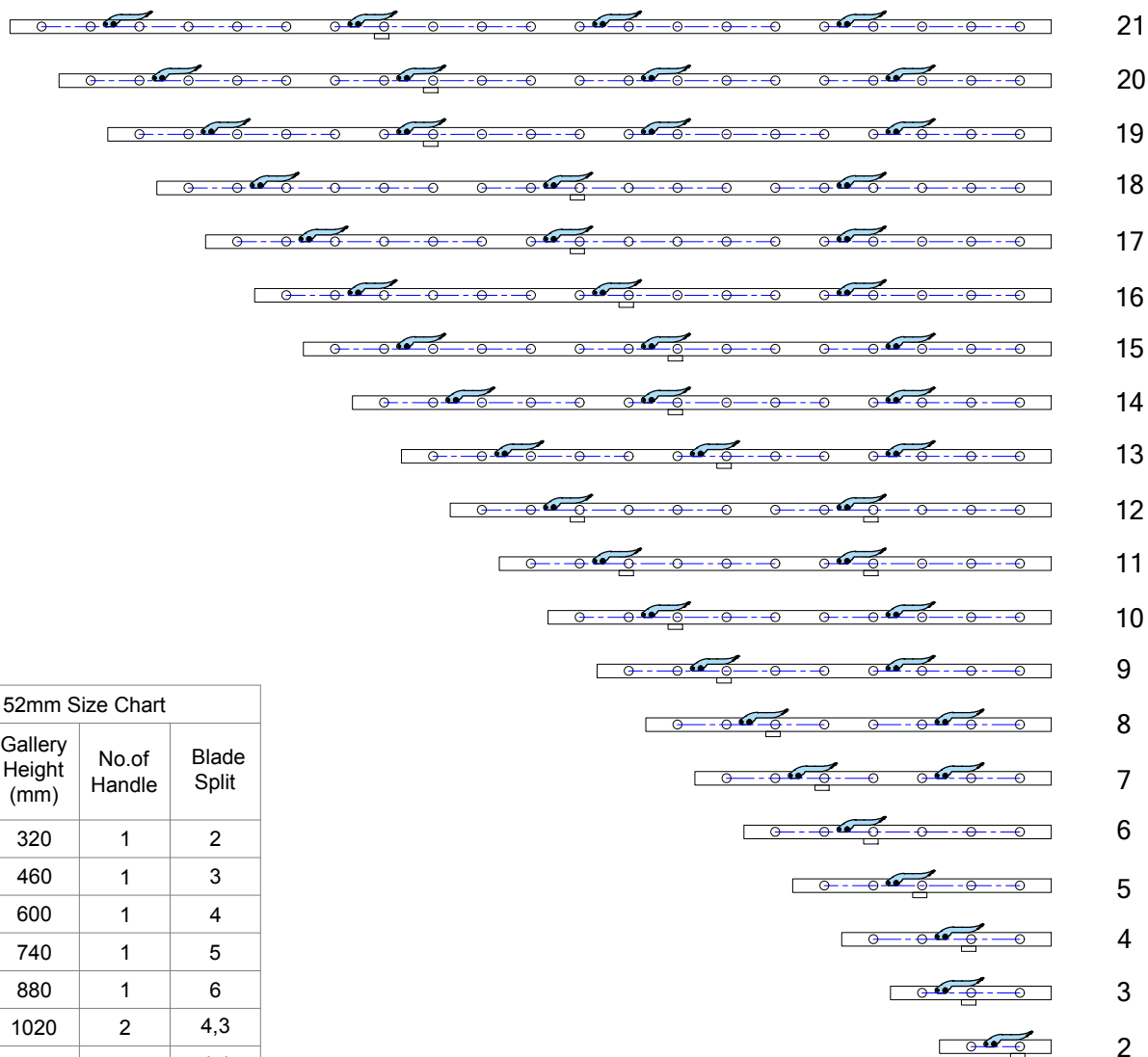
Blades

102mm Size Chart			
No. of Blades	Gallery Height (mm)	No. of Handles	Blade Split
3	306	1	3
4	395	1	4
5	484	1	5
6	573	1	6
7	662	1	7
8	751	1	8
9	840	1	9
10	929	2	5,5
11	1018	2	6,5
12	1107	2	6,6
13	1196	2	7,6
14	1285	2	7,7
15	1374	2	8,7
16	1463	2	8,8
17	1552	2	9,8
18	1641	2	9,9
19	1730	3	7,6,6
20	1819	3	7,7,6
21	1908	3	7,7,7
22	1997	3	8,7,7
23	2086	3	8,8,7
24	2175	3	8,8,8
25	2264	3	9,8,8
26	2353	3	9,9,8
27	2442	3	9,9,9
28	2531	4	7,7,7,7
29	2620	4	8,7,7,7
30	2709	4	8,8,7,7
31	2798	4	8,8,8,7
32	2887	4	8,8,8,8
33	2976	4	9,8,8,8



* Blade Split Refers to The Number of Blades Operated By Each Handle

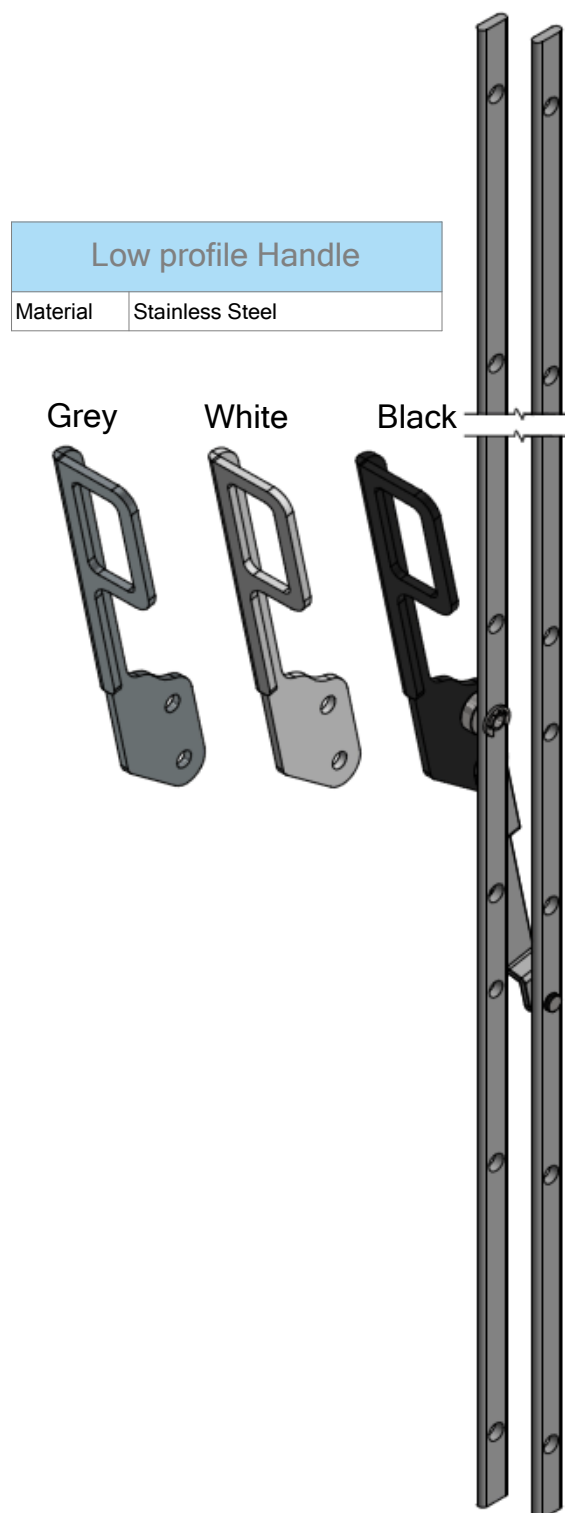
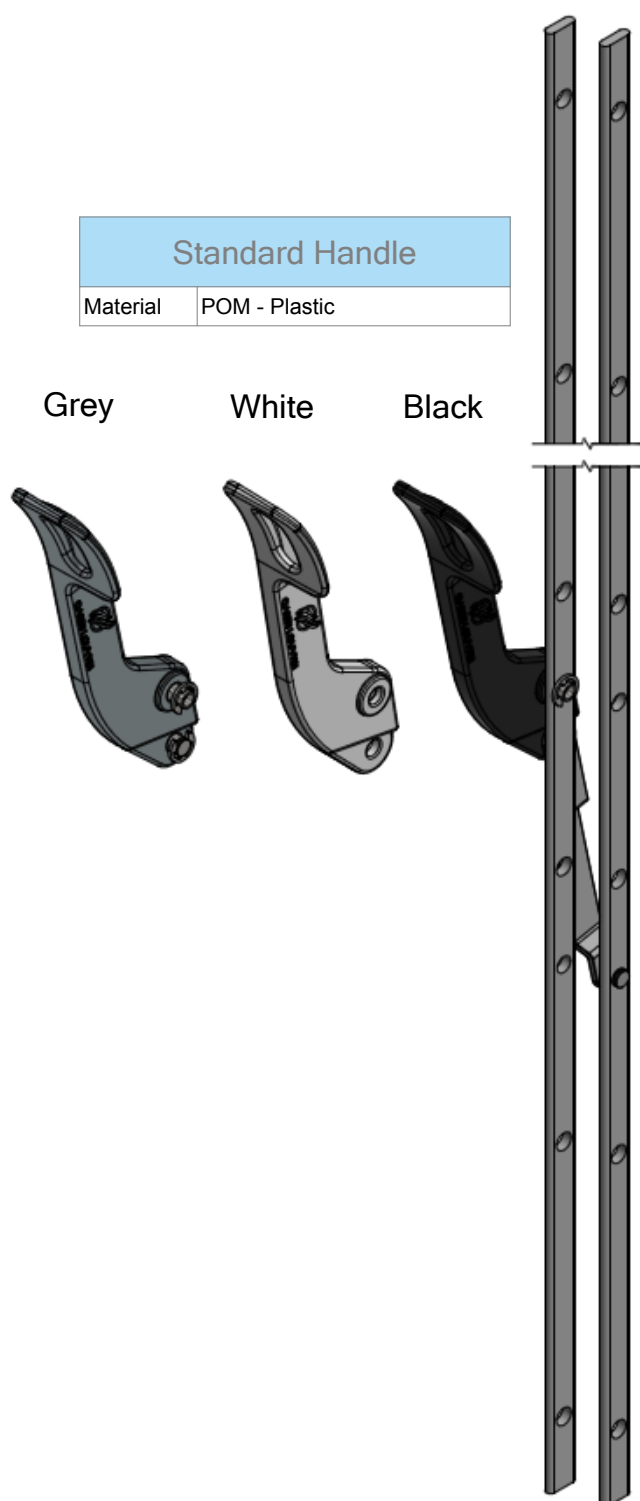
Blade



152mm Size Chart			
No. of Blade	Gallery Height (mm)	No. of Handle	Blade Split
2	320	1	2
3	460	1	3
4	600	1	4
5	740	1	5
6	880	1	6
7	1020	2	4,3
8	1160	2	4,4
9	1300	2	5,4
10	1440	2	5,5
11	1580	2	6,5
12	1720	2	6,6
13	1860	3	5,4,4
14	2000	3	5,5,4
15	2140	3	5,5,5
16	2280	3	6,5,5
17	2420	3	6,6,5
18	2560	3	6,6,6
19	2700	4	5,5,5,4
20	2840	4	5,5,5,5
21	2980	4	6,5,5,5

* Blade Split Refers to The Number of Blades Operated By Each Handle

■ Handle Assembly Option

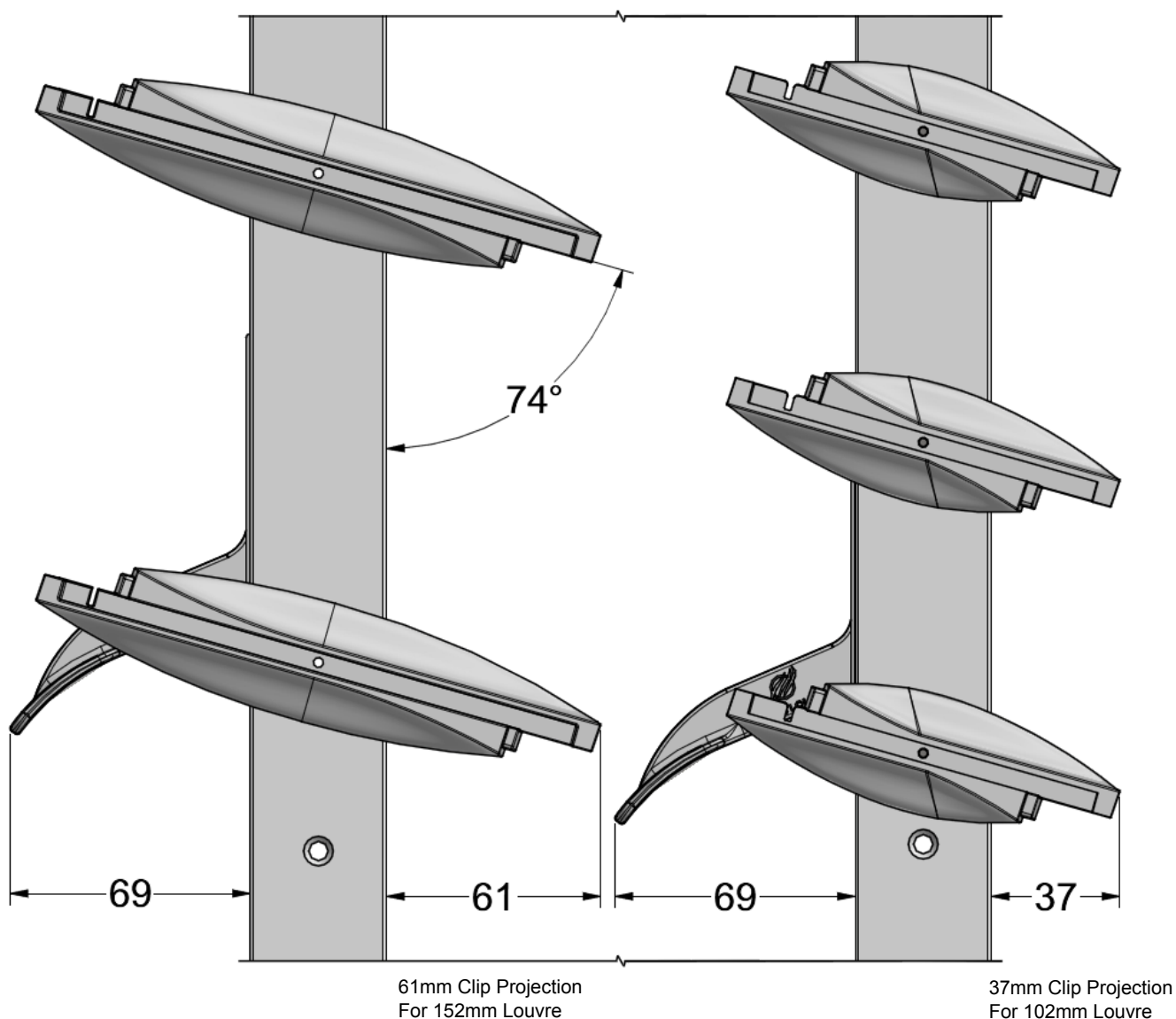


* You can select which side of the window to install the handle. LH Handle is standard.

■ Handle And Clip Projection

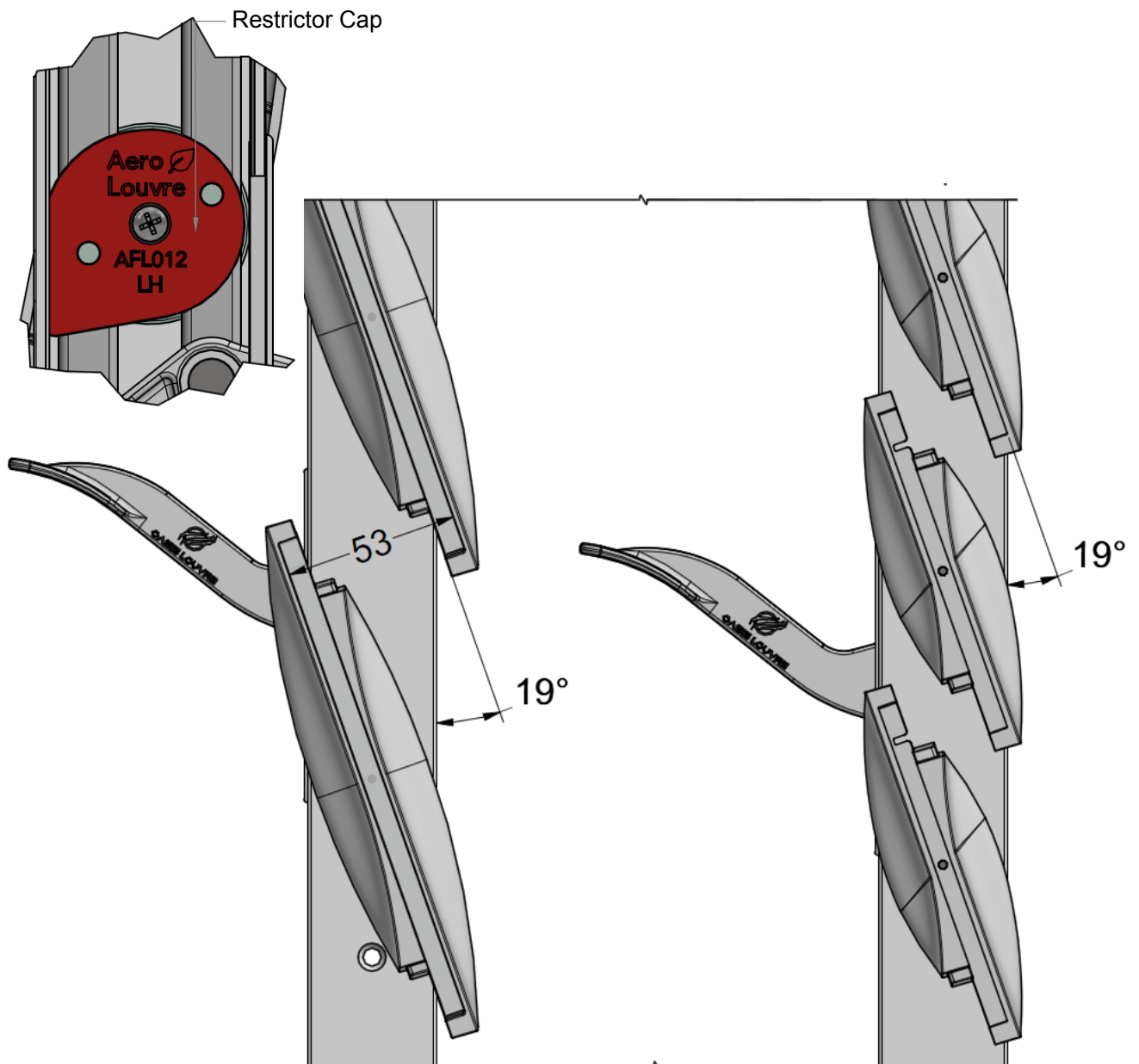
Standard Handle

- POM material
- Ergonomic design for comfortable use

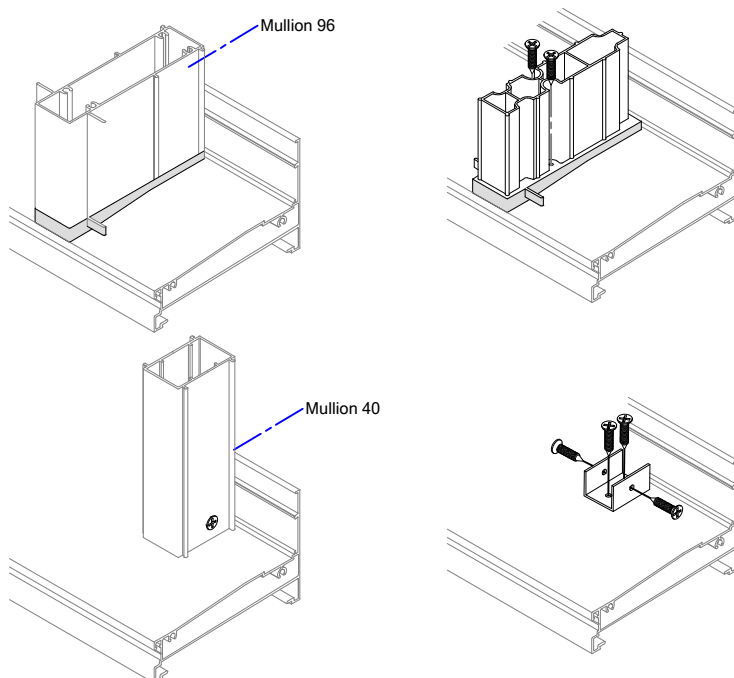


■ Restricted Opening

- Limiting the opening between the louvre blades may be required for overhead glazing or in multi-story buildings.
- To limit the opening between the louvre blades install Aero restrictor caps.



■ Hardware

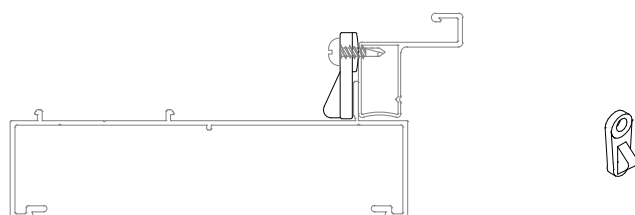


Mullion Adaptor 96

Material	Pvc
Part#	40-038

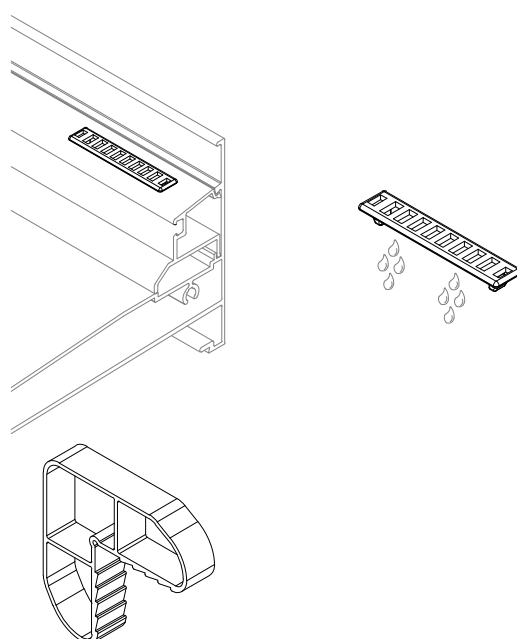
Mullion Bracket 40 set

Material	Aluminium
Part#	40-039



Fly Screen Retainer

Material	Plastic
Part#	40-040



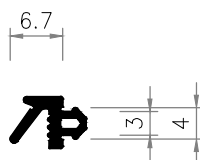
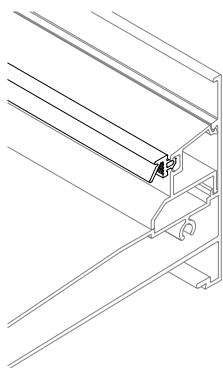
Drain Hood (Sill)

Material	Pvc
Part#	40-041

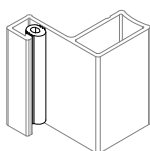
Corner Stake Fly Screen

Material	Aluminium
Finish	
Part#	40-055

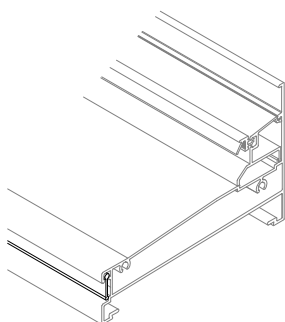
■ Gaskets & Seals



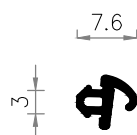
Weather Gasket	
Material	Soft PVC
Part#	40-043



Fly Screen Spline	
Material	Pvc
Part#	40-053

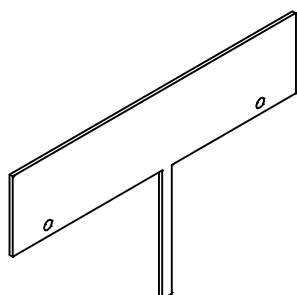


Sill Baffle	
Material	Soft PVC
Part#	40-044

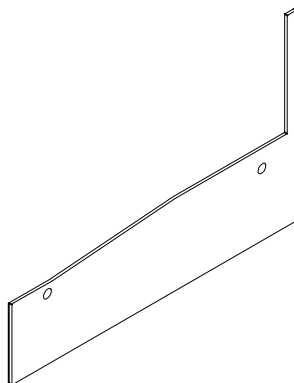


Weather Gasket (For Aluminium Blade)	
Material	Soft PVC
Part#	40-045

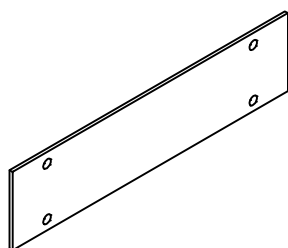
■ Frame Gasket



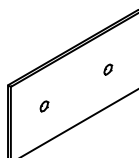
Head Seal Gasket	
Material	Eva
Part#	40-046



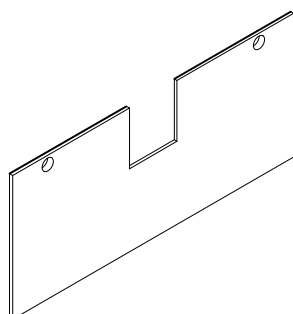
Sill Seal Gasket	
Material	Eva
Part#	40-047



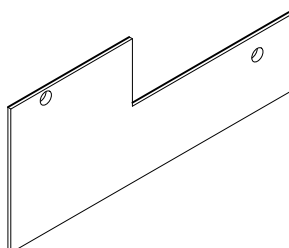
Mullion 96 Seal Gasket	
Material	Eva
Part#	40-048



Mullion 40 Seal Gasket	
Material	Eva
Part#	40-049

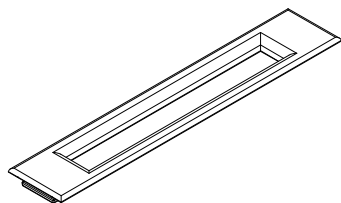


Frame Seal 45 mm Main Frame	
Material	Eva
Part#	04-050



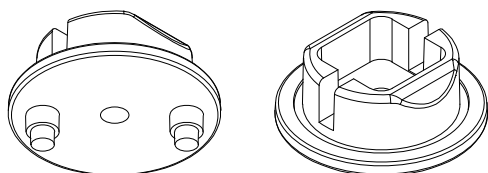
Frame Seal 45 mm Sill	
Material	Eva
Part#	04-051

■ Spare Parts



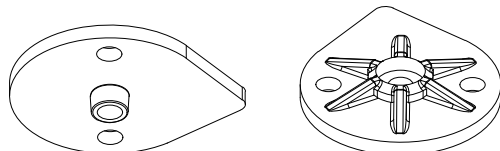
AFL011 Aero Handle Cover

Material	Pom+UV1%
Finish	Black, White, Grey
Part#	40-003



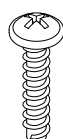
RH & LH Bearing

Material	Pom
Finish	Black
Part#	80-024-L/R



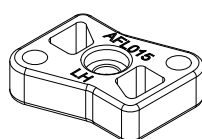
Bearing Cap

Material	ABS
Finish	Black
Part#	80-025-L/R



Bearing Cap Screw

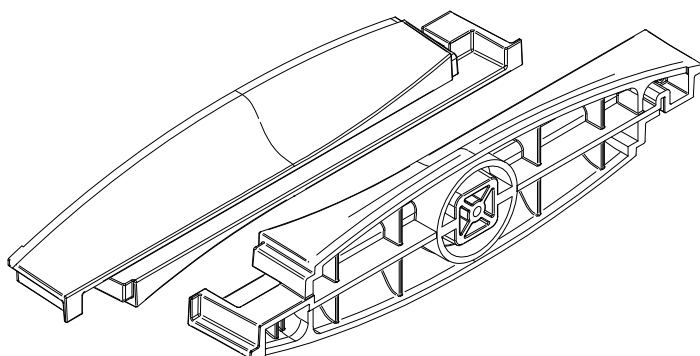
Material	Stainless Steel 304
Finish	
Part#	40-013



AFL015 Key Lock Striker

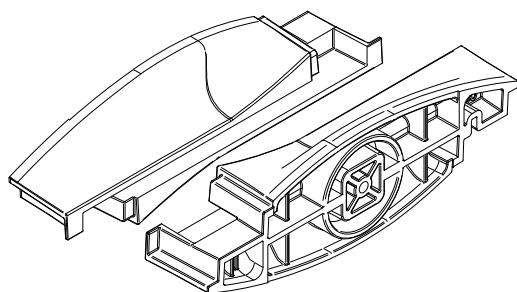
Material	Aluminium
Finish	Aluminium Polished
Part#	40-009

■ Spare Parts



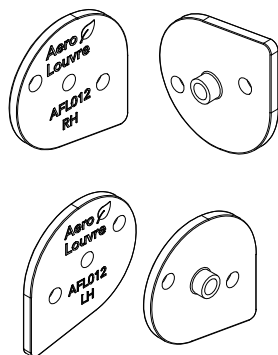
152 Louvre Clip

Material	PP+UV1%
Finish	Black, White, Grey
Part#	80-022-L/R



102 Louvre Clip

Material	PP+UV1%
Finish	Black, White, Grey
Part#	80-023-L/R



AFL012 152mm 50mm Restrictor

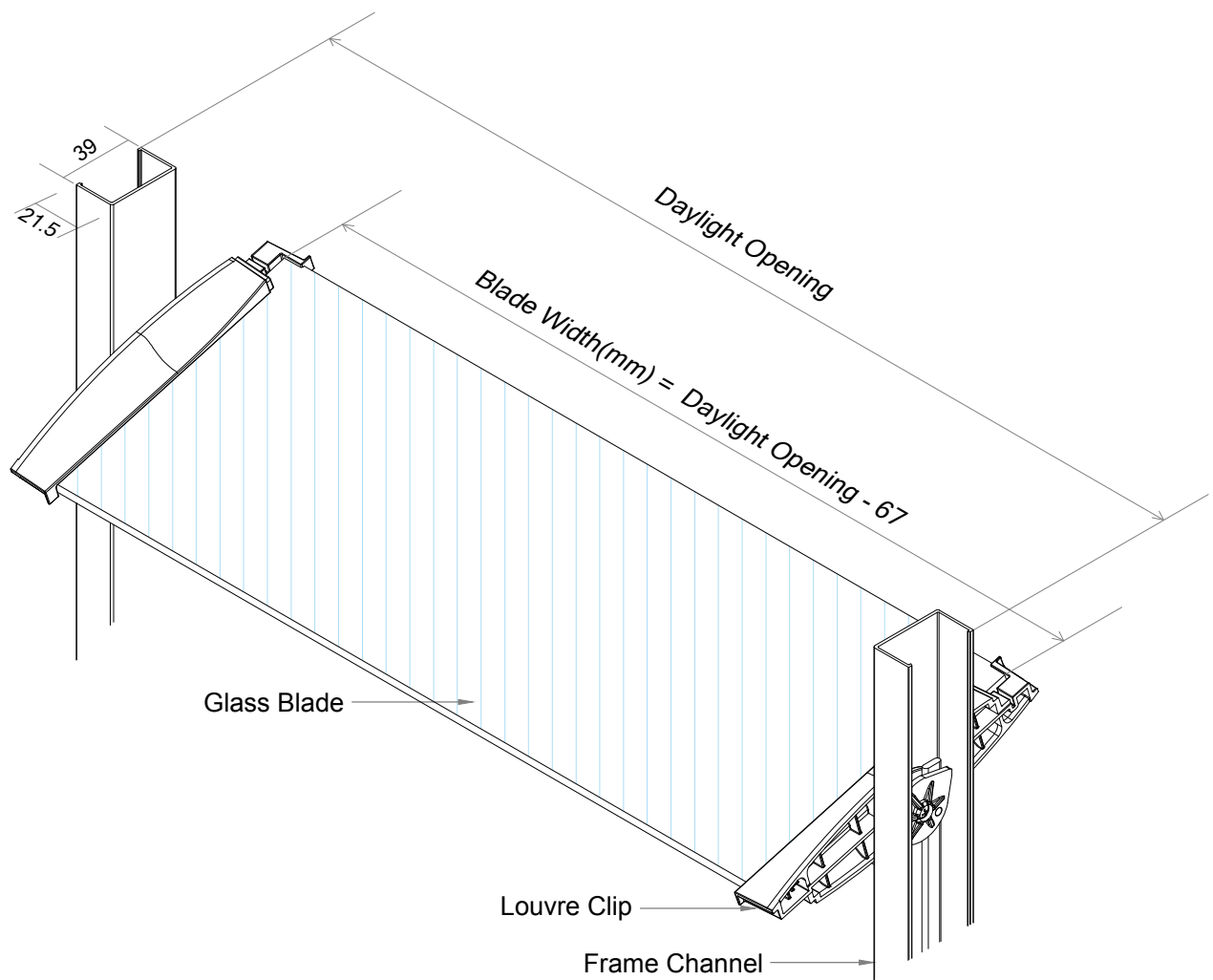
Material	Acetal
Finish	Red
Part#	40-033-L , 40-033-R

AFL013 102mm 50mm Restrictor

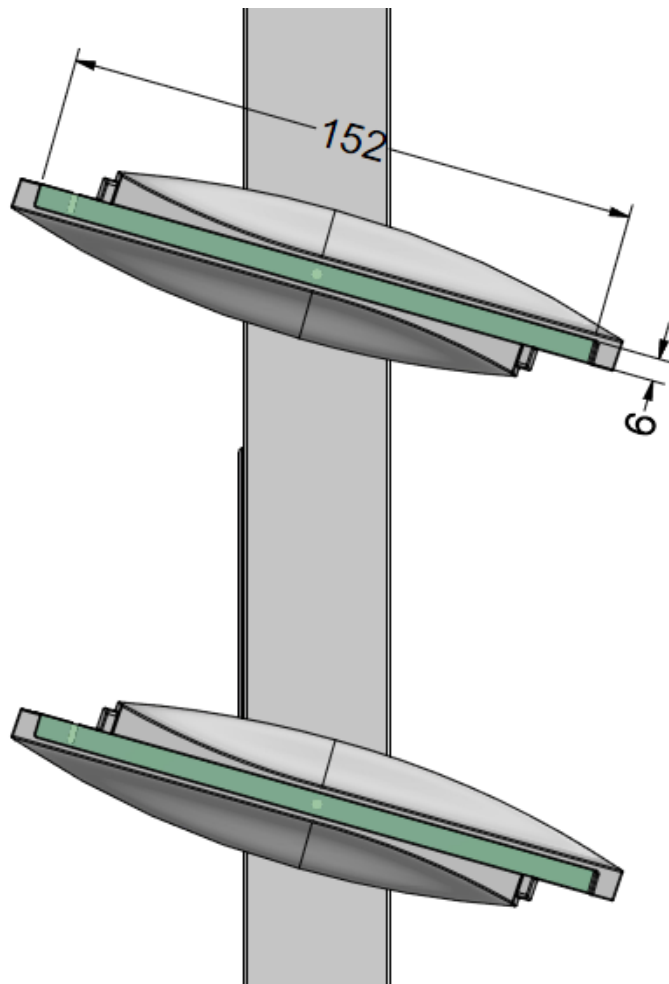
Material	Acetal
Finish	Red
Part#	40-034-L , 40-034-R

■ Glass Blade Calculations

Glass / Aluminium Blade length : $L = \text{Daylight Opening} - 67\text{mm}$



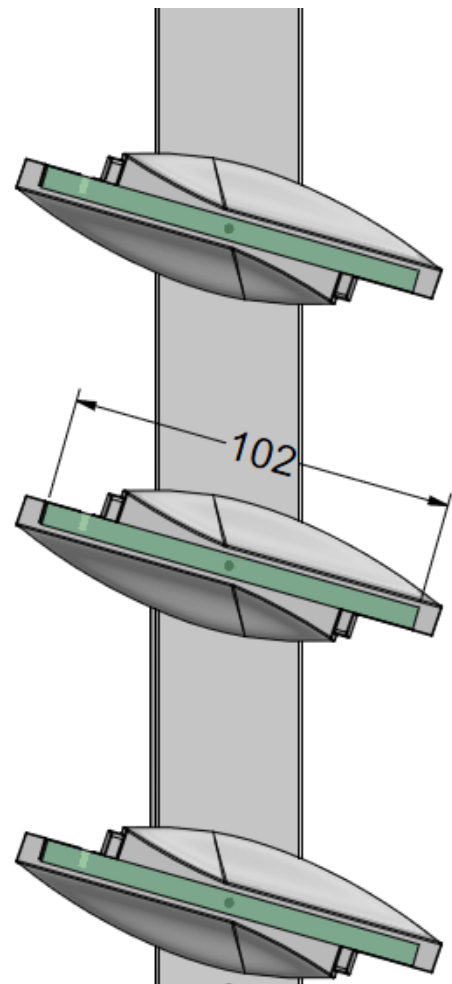
■ Glass Blades



Blade Retainers can accept
6mm-6.38mm Laminated glass

Blade width is 152mm. (6")

The glass length should not exceed 800mm.



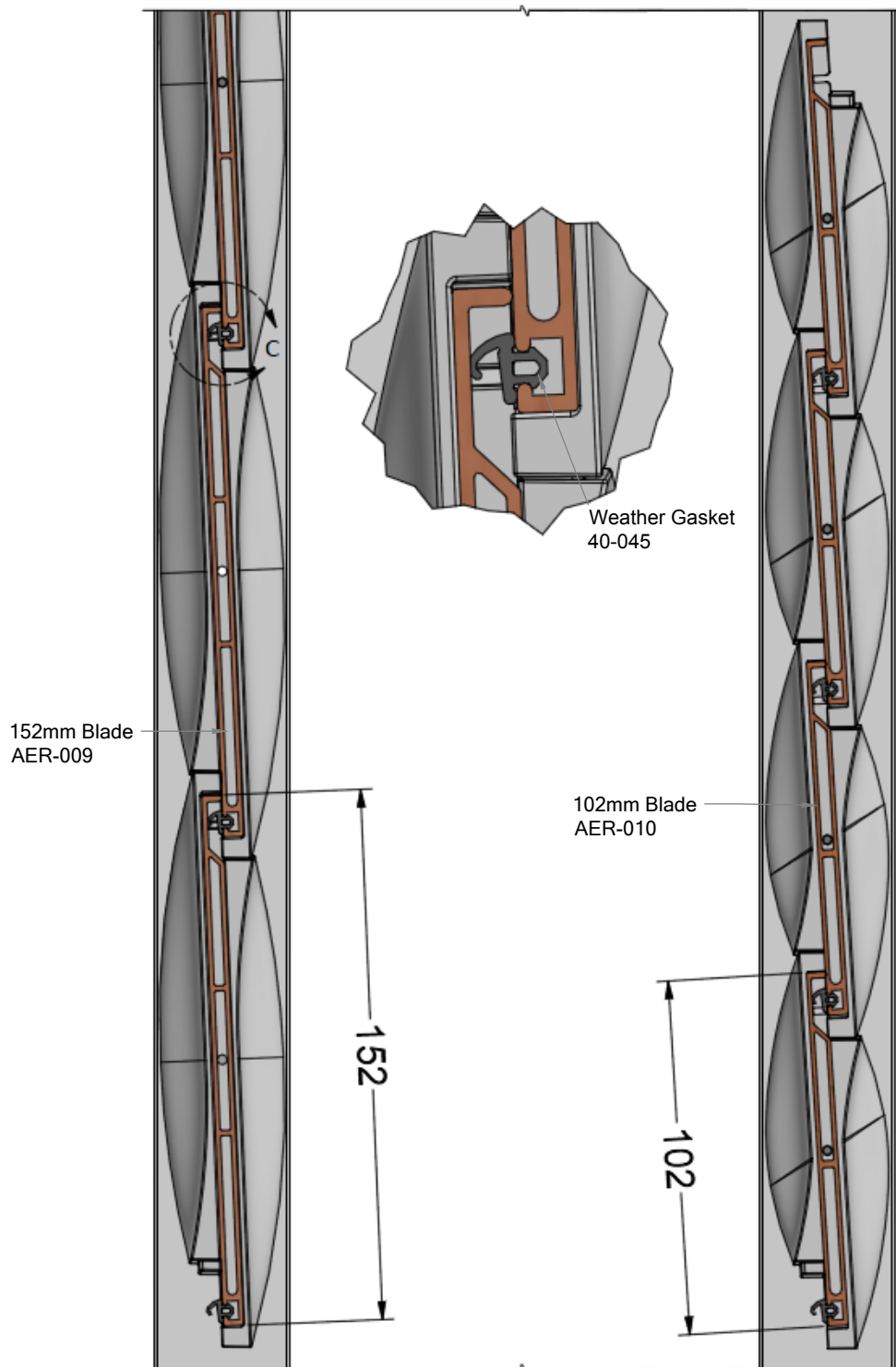
Blade Retainers can accept
6mm-6.38mm Laminated glass

Blade width is 102mm. (4")

The glass length should not exceed 800mm.

* check local glass standards for glass type & size limitations. *

■ Aluminium Blades



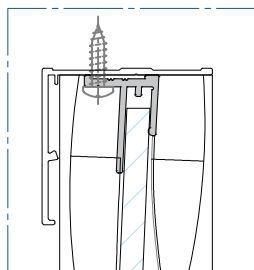
Blade widths 102mm. (4") , 152mm. (6")

The Blade length should not exceed 1200mm.

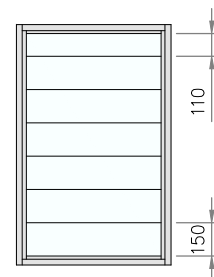
Glass & Aluminium Blade can be mixed in the same opening.

Weather gasket inserted in the aluminium blades provides positive seal & reduces noise.

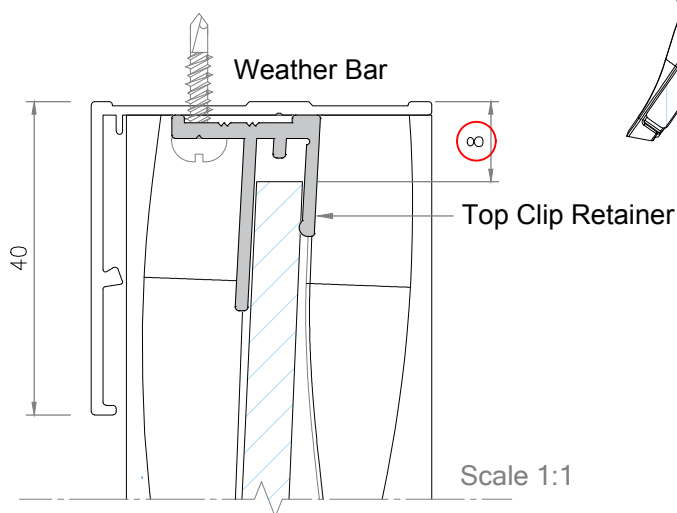
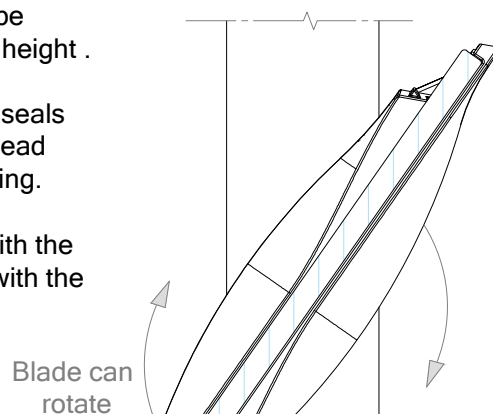
■ Top Clip Retainer - Special Size Frames



- When installing non-standard window heights the Oasis louvre should be order with the top clip loose (not connected to the handle).
- This allows the louvre gallery to be cut down to suit special window heights.



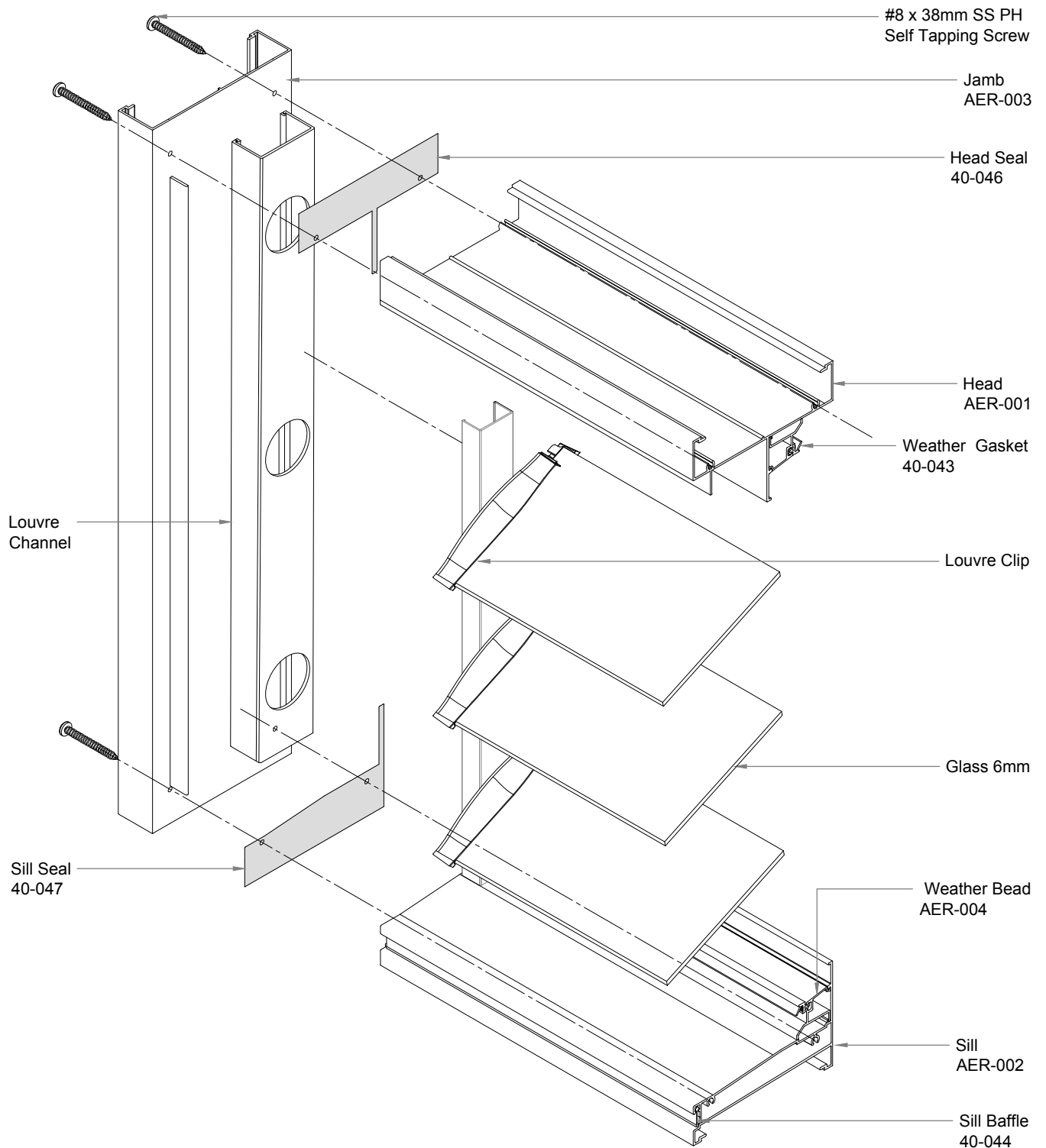
- The top clip retainer profile should be installed for non-standard windows height .
- When installed the top clip retainer seals the top glass blade to the window head and stops the glass bade from moving.
- The top clip retainer can be used with the standard Oasis framing system or with the plant on weather bar (shown)



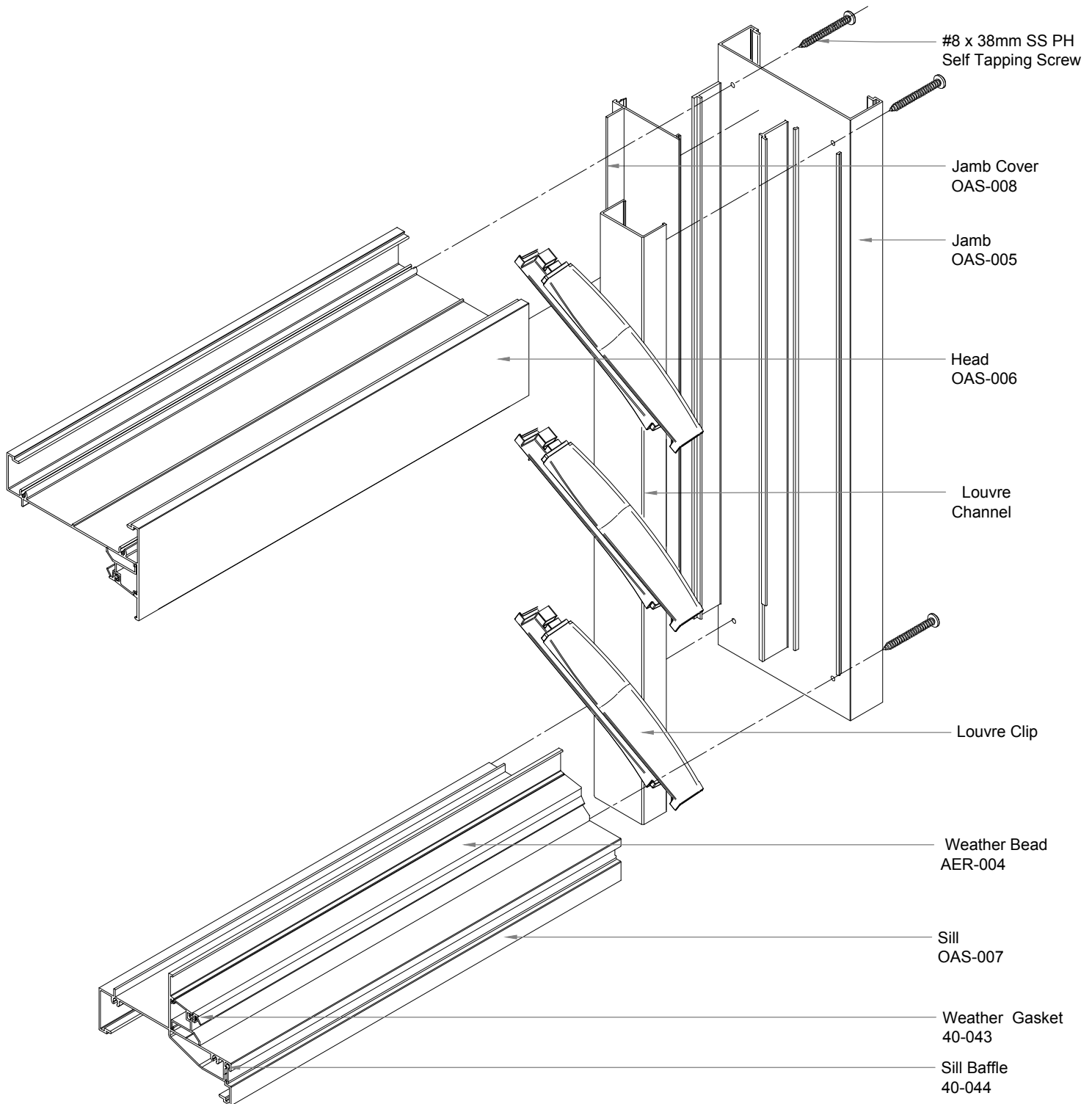
- The maximum height the louvre gallery can be reduced is:
- 49mm for 102mm Louvre Galleries
- 72mm for 152mm Louvre Galleries

Non Standard Height
Louvre Gallery

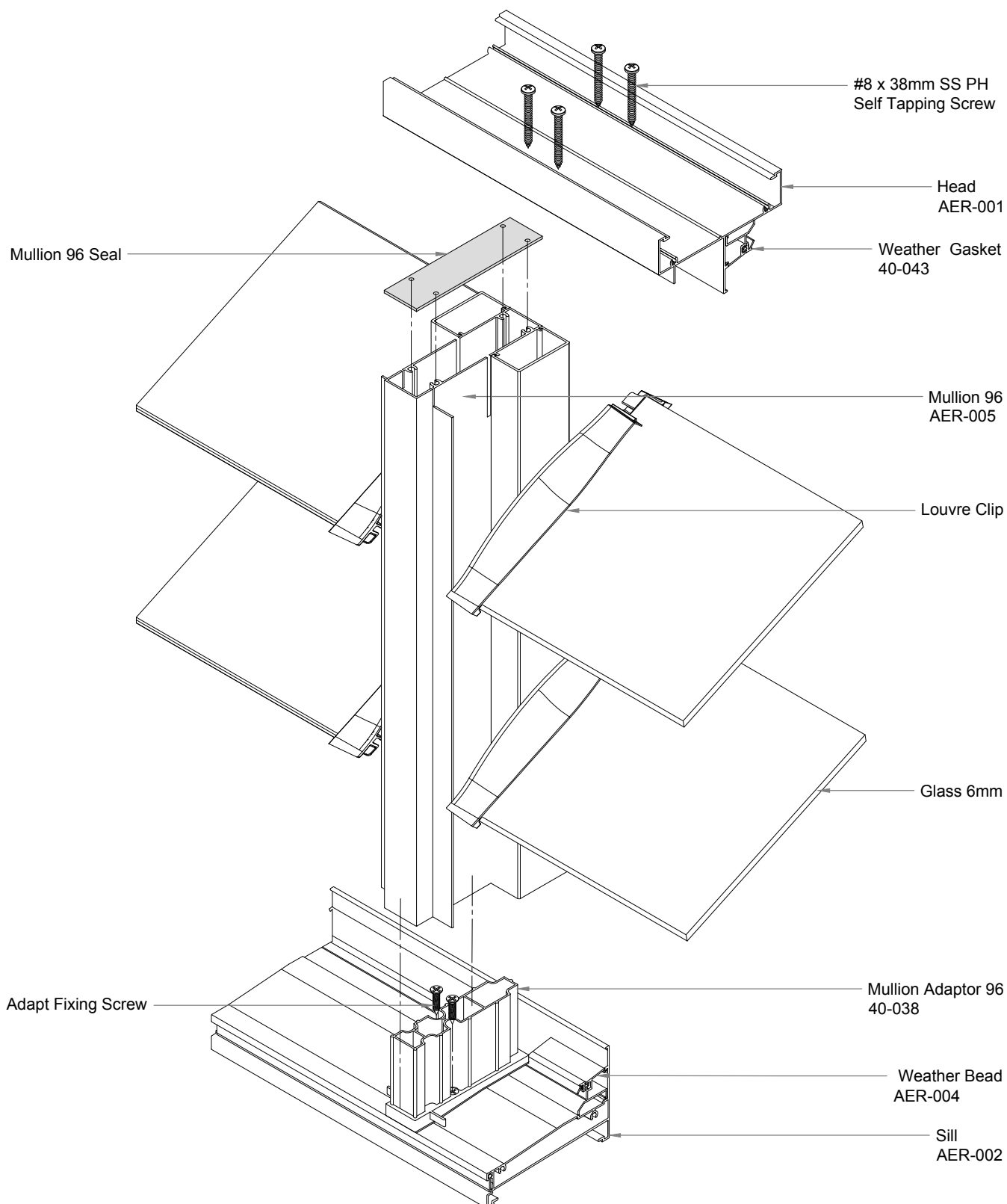
■ 101.6mm Aero Frame - Head, Sill



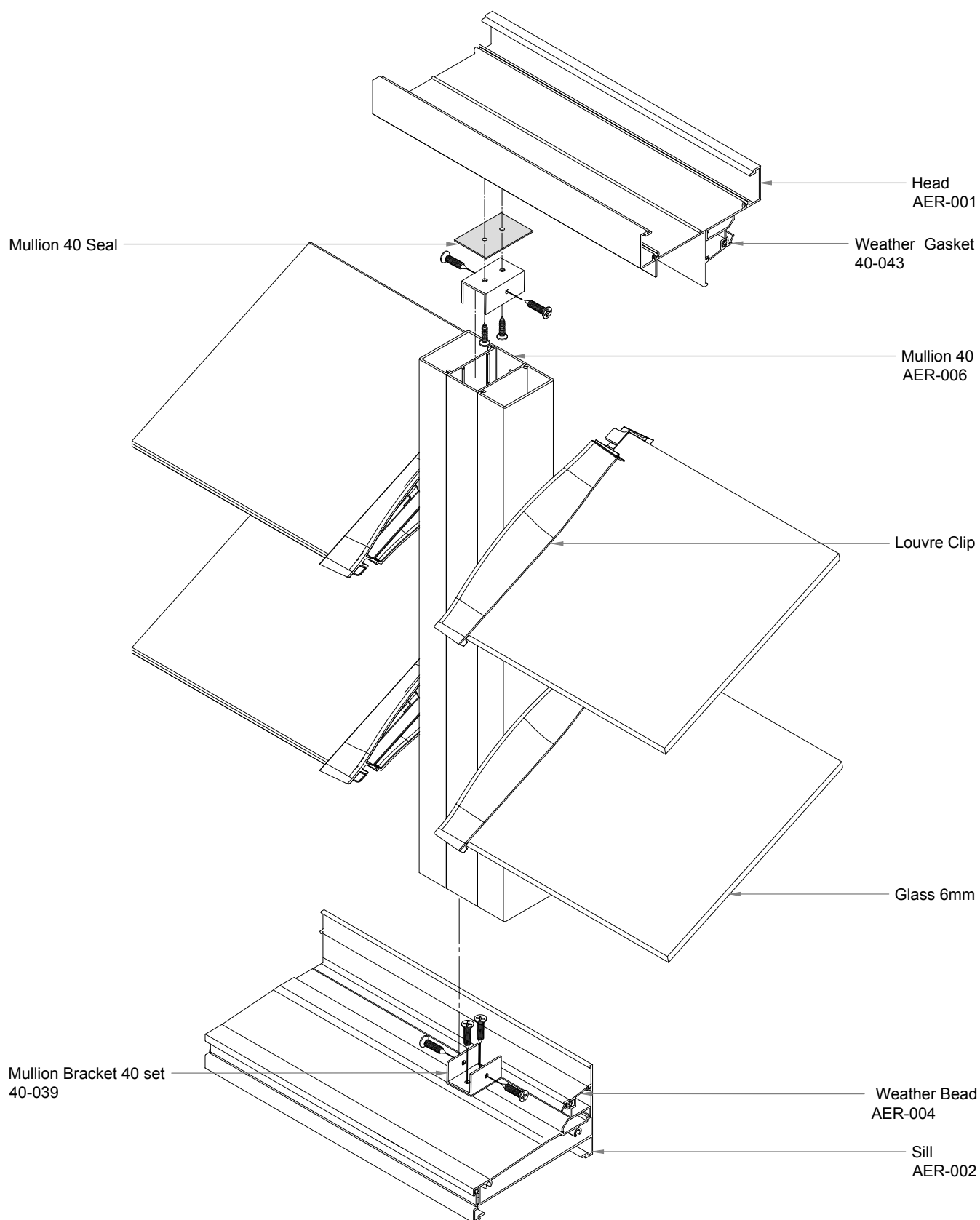
■ 101.6mm Oasis Frame - Head, Sill
Inside Handle concept



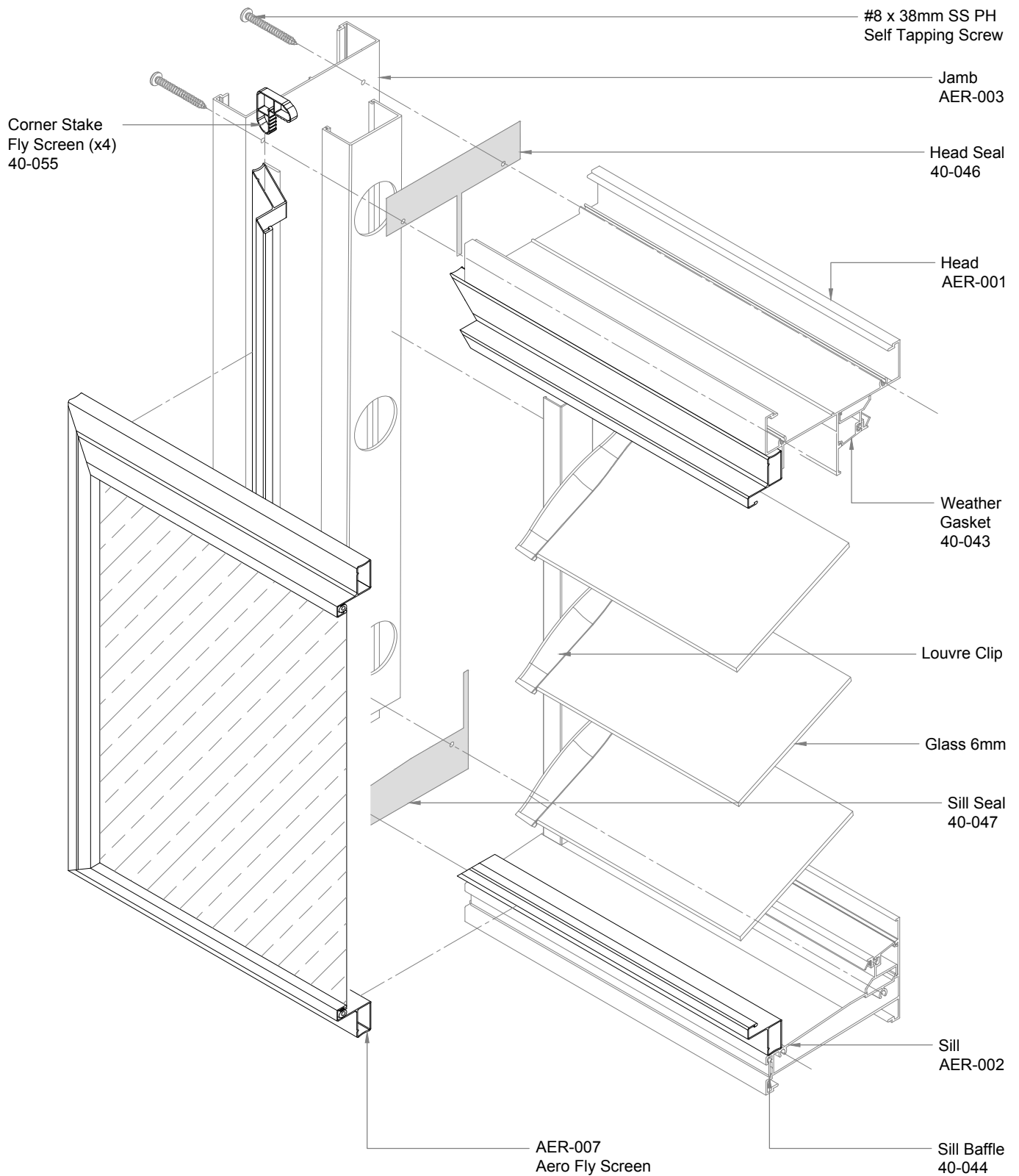
■ 101.6mm Aero Frame - Mullion 96



■ 101.6mm Aero Frame - Mullion 40



■ Screen Frame Detail



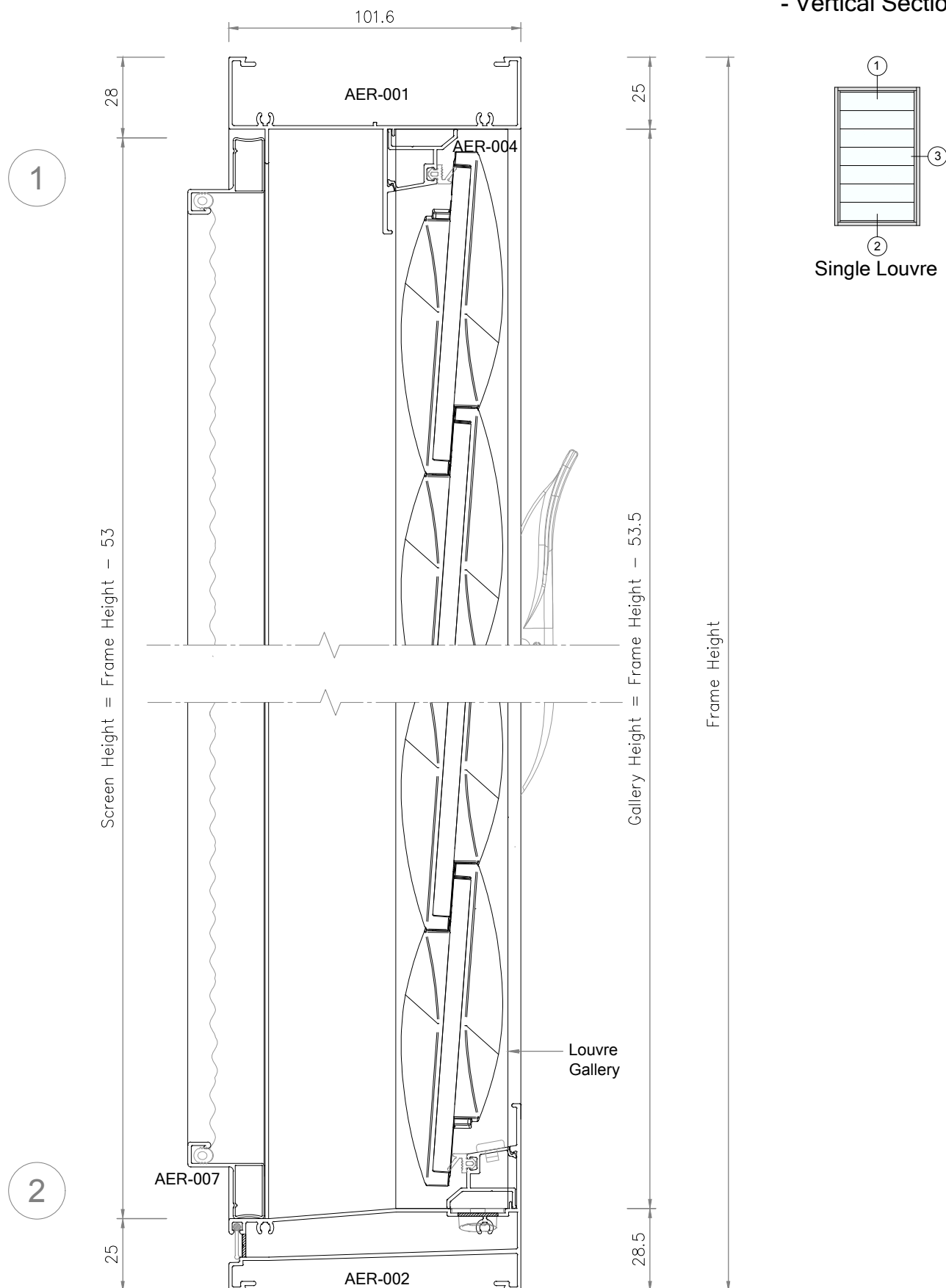
■ Oasis Framing System

* Charts below show finished frame height when using Oasis Framing System. *

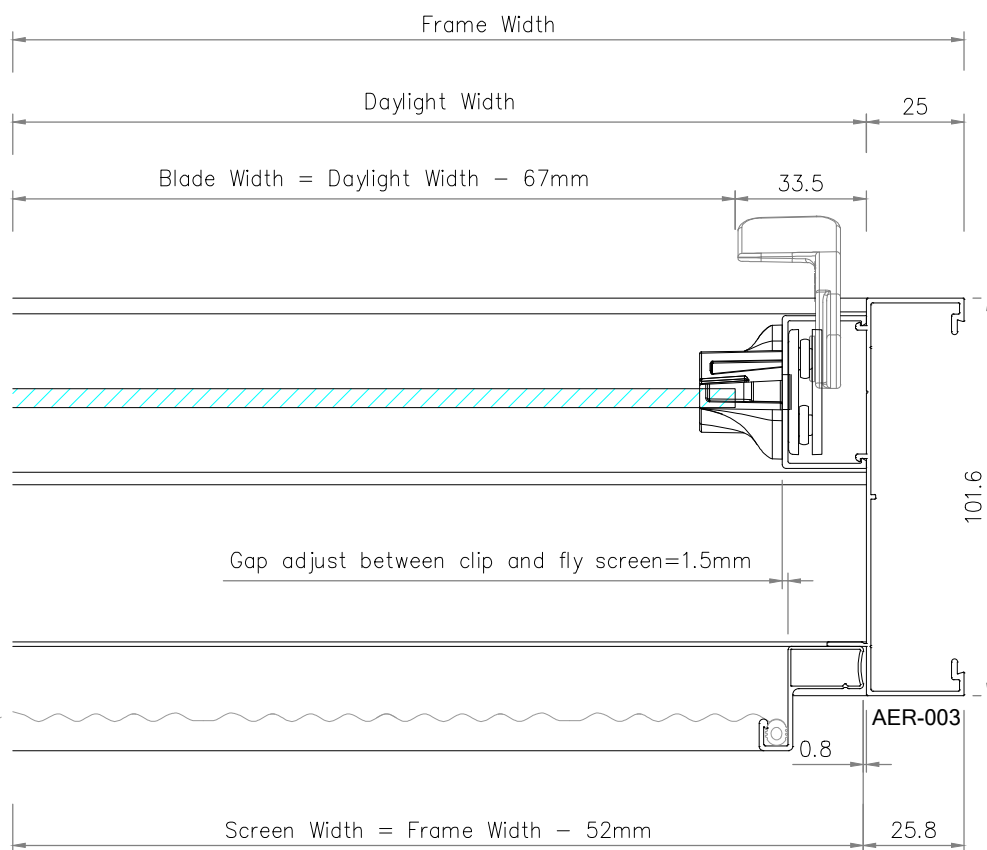
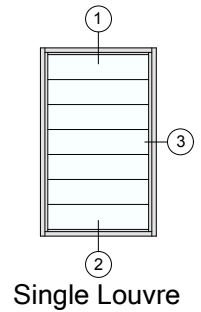
102mm Louvre Frame Height		
101.6 mm Frame		
No. of Blades	Gallery Height (mm)	* Frame Height (mm)
3	306	359
4	395	448
5	484	537
6	573	626
7	662	715
8	751	804
9	840	893
10	929	982
11	1018	1071
12	1107	1160
13	1196	1249
14	1285	1338
15	1374	1427
16	1463	1516
17	1552	1605
18	1641	1694
19	1730	1783
20	1819	1872
21	1908	1961
22	1997	2050
23	2086	2139
24	2175	2228
25	2264	2317
26	2353	2406
27	2442	2495
28	2531	2584
29	2620	2673
30	2709	2762
31	2798	2851
32	2887	2940
33	2976	3029

152mm Louvre Frame Height		
101.6 mm Frame		
No. of Blades	Gallery Height (mm)	* Frame Height (mm)
2	320	373
3	460	513
4	600	653
5	740	793
6	880	933
7	1020	1073
8	1160	1213
9	1300	1353
10	1440	1493
11	1580	1633
12	1720	1773
13	1860	1913
14	2000	2053
15	2140	2193
16	2280	2333
17	2420	2473
18	2560	2613
19	2700	2753
20	2840	2893
21	2980	3033

■ 101.6 mm Oasis Frame System - Vertical Section

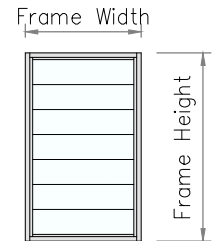


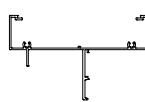
■101.6 mm Oasis Frame System - Horizontal Section



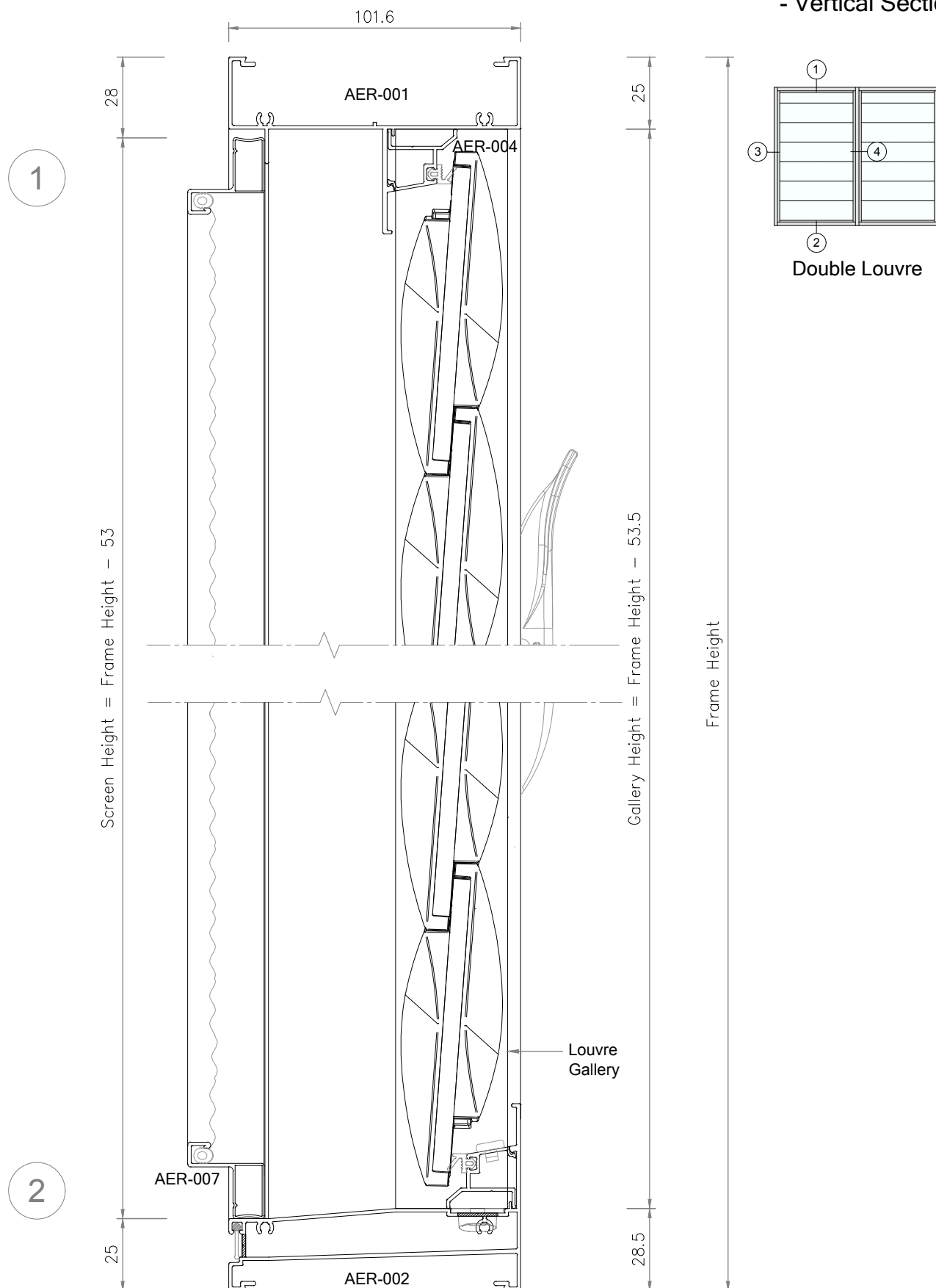
3

■ 101.6 mm Oasis Frame System - Single Louvre

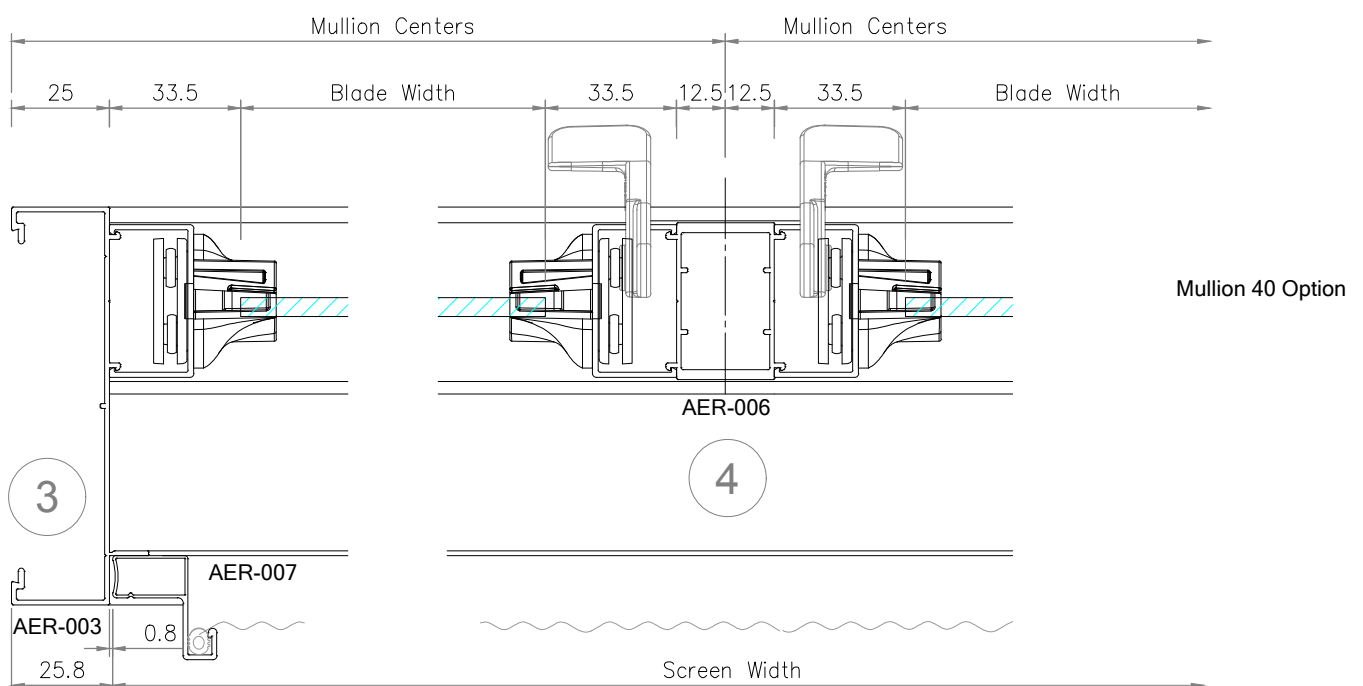
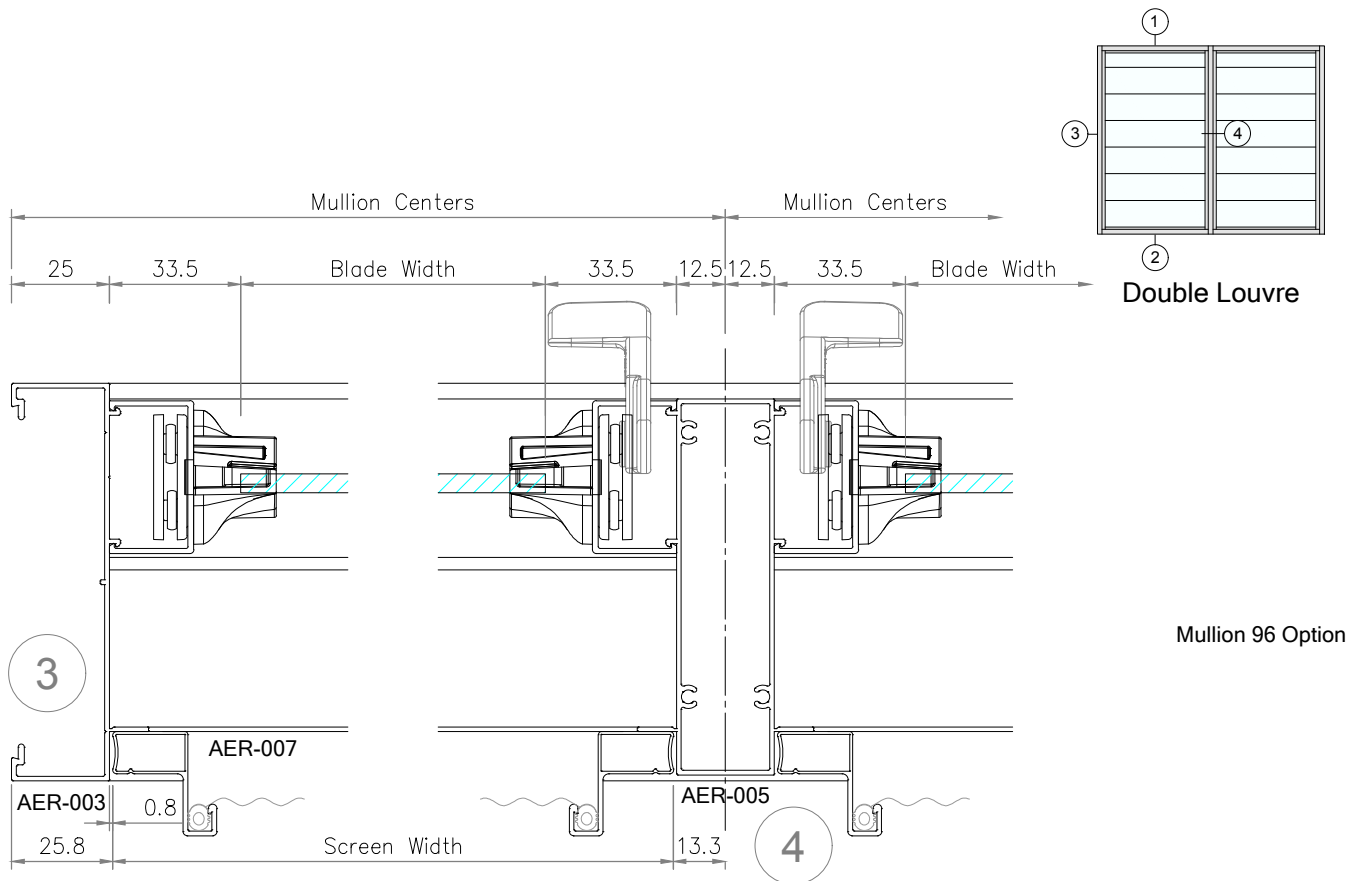


Profile	Section No.	Description	Cutting Formula	Qty
	AER-003	Jamb	Frame Height = Gallery + 53mm	2
	AER-001	Head	Frame Width - 50mm	1
	AER-002	Sill	Frame Width - 50mm	1
	AER-004	Weather Bead	Frame Width - 93mm	2
	AER-007	Fly Screen	Frame Height - 53mm	2
	AER-007	Fly Screen	Frame Width - 52mm	2
Glass or Aluminium Blade			Frame Width - 117mm	

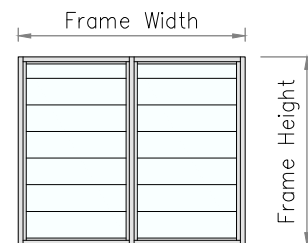
■ 101.6 mm Oasis Frame System - Vertical Section



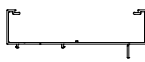
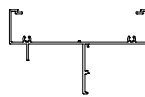
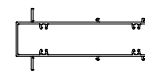
■ 101.6 mm Oasis Frame System - Horizontal Section



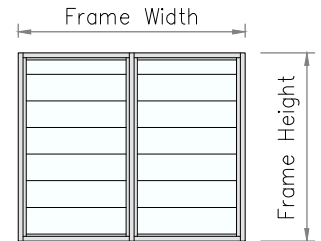
■ 101.6 mm Oasis Frame System - Double Gallery



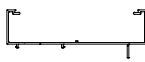
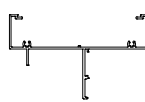
Mullion 96 Option

Profile	Section No.	Description	Cutting Formula	Qty
	AER-003	Jamb	Frame Height = Gallery + 53mm	2
	AER-001	Head	Frame Width - 50mm	1
	AER-002	Sill	Frame Width - 50mm	1
	AER-005	Mullion 96	Frame Height - 56mm	1
	AER-004	Weather Bead	Frame Width / 2 - 80mm	4
	AER-007	Fly Screen	Frame Height - 53mm	4
	AER-007	Fly Screen	Frame Width / 2 - 39mm	4
Glass or Aluminium Blade			(Frame Width - 209mm) / 2	

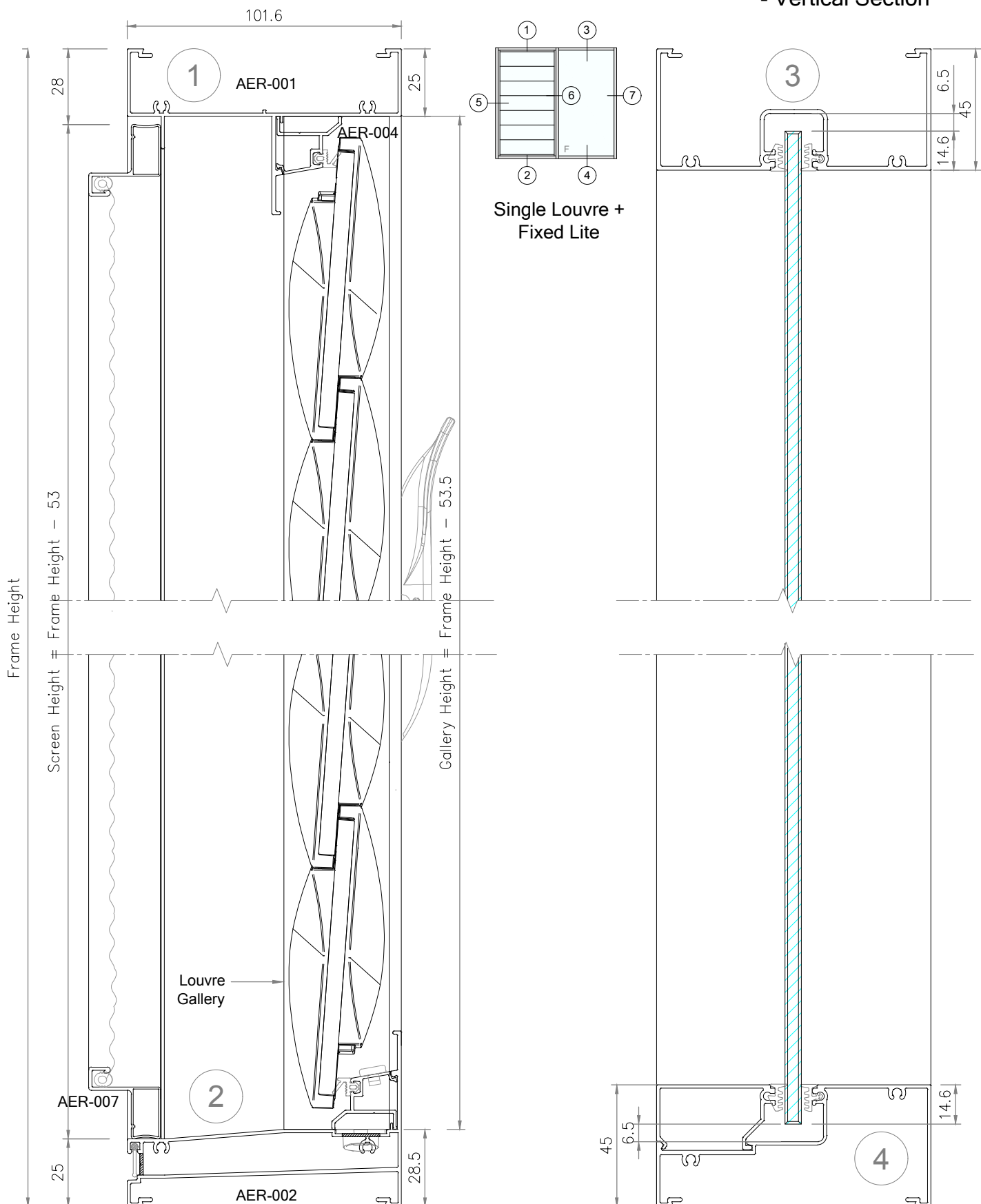
■ 101.6 mm Oasis Frame System - Double Gallery



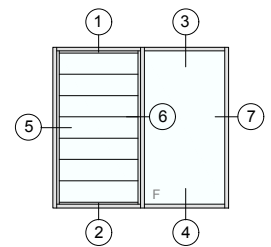
Mullion 40 Option

Profile	Section No.	Description	Cutting Formula	Qty
	AER-003	Jamb	Frame Height = Gallery + 53mm	2
	AER-001	Head	Frame Width - 50mm	1
	AER-002	Sill	Frame Width - 50mm	1
	AER-006	Mullion 40	Frame Height - 53mm	1
	AER-004	Weather Bead	Frame Width / 2 - 80mm	4
	AER-007	Fly Screen	Frame Height - 53mm	2
	AER-007	Fly Screen	Frame Width - 52mm	2
Glass or Aluminium Blade			(Frame Width - 209mm) / 2	

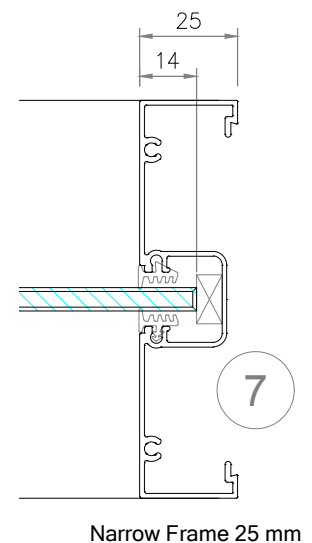
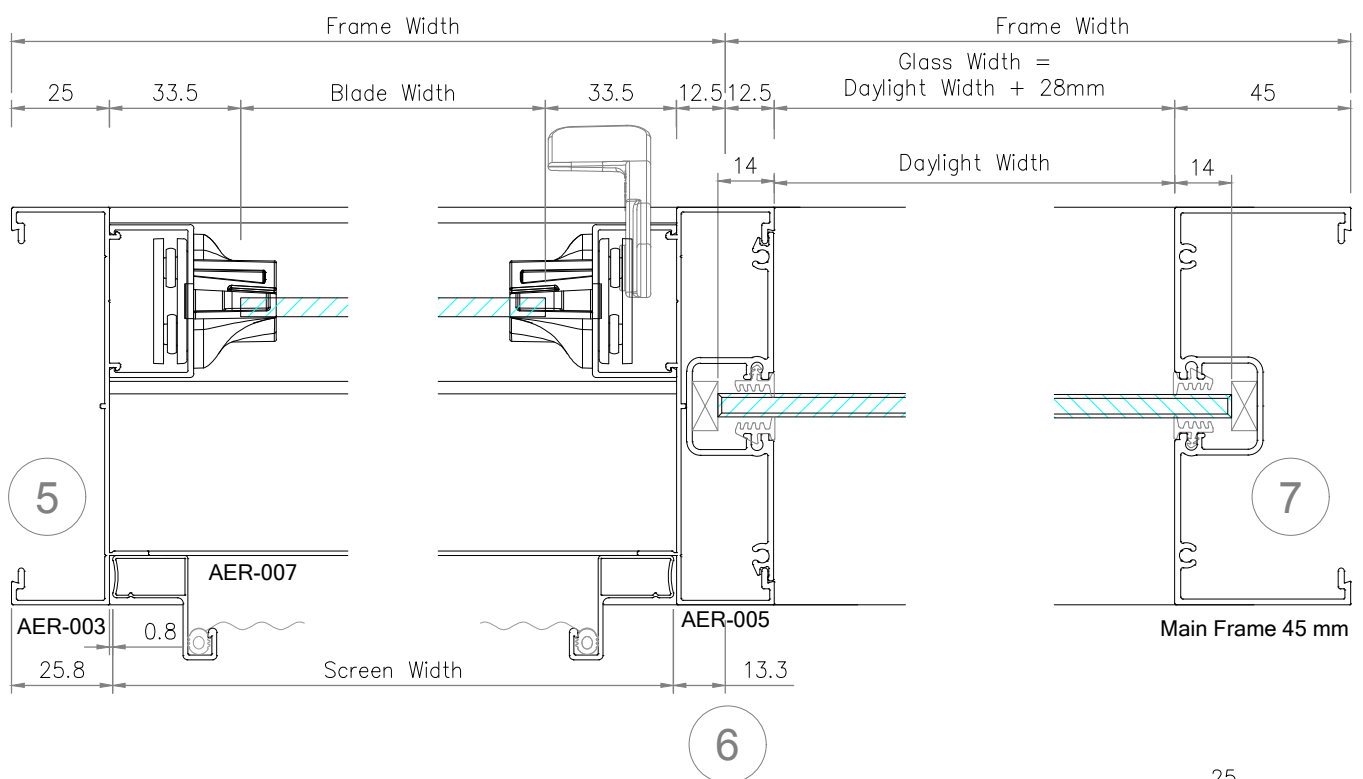
■ 101.6 mm Oasis Frame System - Vertical Section



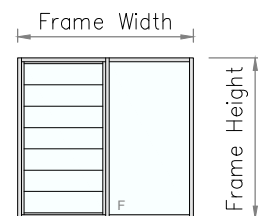
■ 101.6 mm Oasis Frame System - Horizontal Section

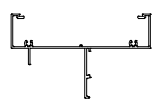
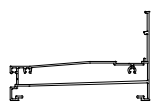
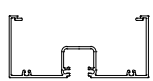
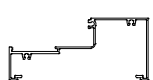
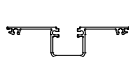


**Single Louvre +
Fixed Lite**



■ 101.6 mm Oasis Frame System - Single Louvre + Fixed Lite



Profile	Section No.	Description	Cutting Formula	Qty
	AER-003	Jamb	Frame Height	2
	AER-001	Head	Frame Width / 2 - 37mm	1
	AER-002	Sill	Frame Width / 2 - 37mm	1
	B10001	Main Frame	Frame Height Frame Width / 2 - 57mm	1 1
	B10002	Sill (Fixed)	Frame Width / 2 - 57mm	1
	B10003	Glazing Adaptor	Frame Height	1
	B10010	Glazing Bead	Frame Width / 2 - 57mm	1
	AER-004	Weather Bead	Frame Width / 2 - 80mm	2
	AER-007	Fly Screen	Frame Height - 53mm Frame Width / 2 - 39mm	2 2
Glass	Fixed		Frame Height - 61mm Frame Width / 2 - 28mm	1
Glass or Aluminium Blade			(Frame Width - 209mm) / 2	

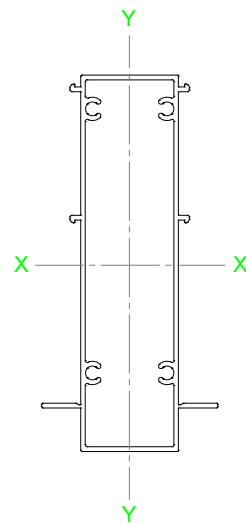
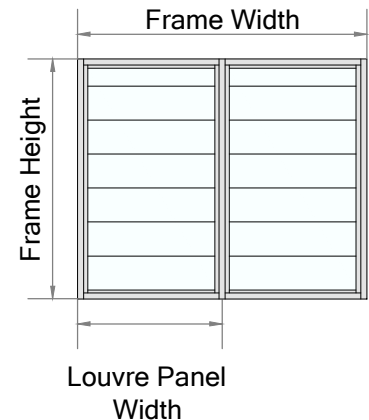
■ Mullion Performance tables

Ixx Calculations

Deflection 1 / 150

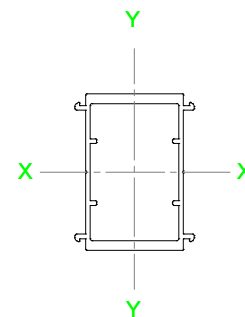
Design wind load 500 pa

	Louvre Panel Width				
Frame Height	300	450	600	750	900
1000	AER-006	AER-006	AER-006	AER-006	AER-006
1200	AER-006	AER-006	AER-006	AER-006	AER-006
1500	AER-006	AER-006	AER-006	AER-006	AER-006
1800	AER-006	AER-006	AER-006	AER-006	AER-006
2100	AER-005	AER-005	AER-005	AER-005	AER-005
2400	AER-005	AER-005	AER-005	AER-005	AER-005
2700	AER-005	AER-005	AER-005	AER-005	AER-005
3000	AER-005	AER-005	AER-005	AER-005	AER-005



Mullion 96 AER-005

$I_{xx} = 395.950 \times 10^3 \text{ mm}^4$



Mullion 40 AER-006

$I_{xx} = 57.409 \times 10^3 \text{ mm}^4$

Oasis Louvres are manufactured from a combination of relatively low-maintenance materials.

Dirt, grime, air borne pollutants and salt deposits can affect the performance and appearance of the louvre window therefore some regular maintenance is required.

Regular cleaning of the louvre gallery and glass blades and louvre gallery will remove contaminants that if not removed may over time affect the surface finish or operation of the louvre.

When cleaning use nonabrasive household or car detergents only with a soft brush or cloth. After cleaning ensure that detergents are completely washed away and leave louvre window is open while drying.

Do not apply oils or silicone sprays to the handle operator or louvre clips.

It is recommended that louvres installed near the ocean be washed monthly to remove salt deposits which can have an adverse effect on the operation of the louvre.

Cleaning of the Louvre must be carried out at frequent intervals. Failure to carry out regular maintenance may exclude the application of warranty. The frequency of cleaning will depend on the environment in which the windows has been installed.

The following maintenance levels are recommended for maintaining the louvre in optimal operational condition.

Environment Type

- Mild-Rural and domestic areas: minimum every 6 months.
- Cities and light industrial areas: minimum every 3 months
- Severe-Coastal and heavy industrial areas: minimum every month.

The following warranty is provided by the manufacturer of the Goods. The manufacturer shall not be bound by nor be responsible for any term, condition, representation or warranty other than that which is given by the manufacturer of the goods.

On the terms set out below, the manufacture warrants that the goods are supplied free of manufacturing defects. The warranty applies exclusively to non-warring components and that the products to be free from defects for 5 years from the date of purchase.

Damage caused by misuse, normal wear and tear of moving components or use of other than residential applications, accidents and “acts of god” cannot be claimed under this or any other warranty

Except as provided herein, there are no other warranties whatsoever, express or implied, as to performance, characteristics, specifications or conditions of the product, including but not limited to merchantability or fitness for purpose.

Where such limitation of liability is not prohibited or void under any applicable legislation, “the manufacturer” liability for any loss or damage whatsoever (including consequential and economic loss) and howsoever arising (including but not limited to contract, tort and negligence) directly or indirectly in connection with their products or supply thereof, shall be limited to any one or more of the following as determined by the manufacturer in absolute discretion:

The manufacturer assumes no liability under the warranty for the following:

- * Misuse, abuse, accidental or intentional damage,
- * Where regular cleaning and maintenance has not been carried out,
- * Improper adjustment or operation by the purchaser,
- * Improper maintenance or installation,
- * Fading and deterioration of surface finish where regular cleaning has not been carried out,
- * Damage caused by dirt and debris that have not been removed from clips or seals
- * Inaccurate or incorrect site or operational specifications,
- * Unauthorised repair or modification,
- * Progressive deterioration caused by exposure to sun, rain, air borne pollutants heat and or cold.
- * Use contrary to the purposed as to which it is designed,
- * Failure to operate the product on a regular basis,
- * Use of replacement parts other than authorised parts
- * Damage caused through accidental impact
- * Damage caused by exposure to heat, flames, sparks and ash,

By law, this warranty is the exclusive warranty granted by the manufacturer and is in lieu of all other express or implied warranties or guarantees. There are no implied warranties as to the merchantability, quality or fitness for a particular purpose.

Oasis Automation Louvre Created to showcase what has been developed from manual shutters. will give you a simple method created for the Oasis Automation Louvre automation system.

■ Oasis Automation Louvre Features

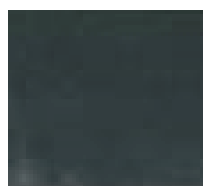
Suitable for use with type 102 mm and 152 mm louver windows. It uses a linear motor connected to a mechanical drive unit. The installation of the kit is hidden inside the window frame. Therefore, the shutters look beautiful and orderly. Oasis Automation Louvre is a stylish and safe window option for modern homes. They offer strength, durability, and safety. It is protected by a removable aluminum side frame cover profile. Allows easy access to install or repair motors and equipment without having to remove the glass or louver gallery from the window frame. This will increase the convenience of easier installation. and the electrical system is low voltage No need for an electrician. Motors and mechanical systems can be installed in the factory or off-site.

- Oasis Automation Louvre can be combined well with other systems such as the Fuji system, Building System and Aero Louvre. You will have a combination of functions and maximum efficiency.
- Aluminum frame width 101.6 mm. There are many colors to choose from, both powder-coated and anodized. By assembling and installing the louver gallery onto the frame can be done without using screws.
- Oasis Automation Louvre able to use 1 motor to operate by controlling the opening and closing of up to 12 blades at the same time, and can also drive both 2 and 4 motors from a single transformer. And comes with remote control to turn off and on.
- Oasis Automation Louvre can also install insect and safety screens from inside the building.
- Oasis Automation Louvre can be used with glass or aluminum blades.
- Oasis Automation Louvre made from modern materials Easy to maintain Will not rust or leak. The motorized mechanism allows the windows to be opened and closed with just the touch of a finger.
- Oasis Automation Louvre is powered by low voltage electricity, making it safe to use and easy to install. This makes the Oasis Automation Louvre system extremely safe for users and installers. The motor and mechanisms are pre-assembled and ready for installation. It won't take long to install.
- The production of Oasis Automation Louvre louver windows is produced as a set (CKD) Knock down. The manufacturer will cut, notch, and drill everything in a complete manner. which provides convenience for customers

■ Specifications of Oasis Automation Louvre

Motor information	Power: 24 volt DC
	Speed: 4mm/s
	Force: 50kg (500N)
	Stroke: 14mm
	Size: 25 x 220
Controlled by	Remote control
Security options	Temperature Sensors
	Smoke Sensors
	Rain Sensors
	Battery Backup
Power supply	5amp 24volt DC/240 volt Transformer
	Fail safe circuit breaker on relay board
Window frame specs	Aluminum frame width 101.6 mm.
	Use with Louvre gallery type 102mm and 152mm.
	Install insect screens/security screens inside.
Blade options	Thickness 6mm-6.38mm Glass blades (for glass)
	Thickness 6mm Aluminum blades (for aluminum blades)
Efficiency	Test cycles up to 9,000 cycles

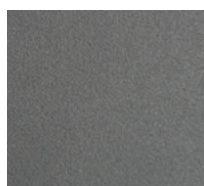
Gallery Stock Color Options :



Black



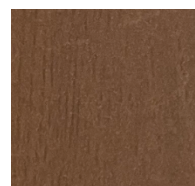
White



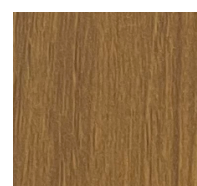
Sahara Grey



NA1



Wood grain
Mahogany



Wood grain
Golden teak

■ Wiring specifications for Oasis automation assemblies

■ Please read the instructions before installing the motor.

Each Oasis Automation Louvre automation assembly is tested to ensure it is in optimal working order before it leaves our factory. Tests are carried out to ensure that the operating standards of the various control devices meet our requirements. And another to support warranty claims that may result from improper installation and wiring.

■ Wiring requirements

Low voltage power supply from a 220v to 24v transformer to the control box using a 5.5x2.5 mm DC Jack socket.(PIC 1) Enter the Input symbol and from the control box to the motor with a 5.5x2.5mm DC Jack plug.(PIC 3) Into the Output symbol, both sides have holes for plugging in for connection use. (PIC 2) The wire for use must be wire with a diameter of 0.75 mm.

****If you are unsure about anything in these instructions Please contact a Winwall technician for assistance****

■ Low voltage wiring specifications

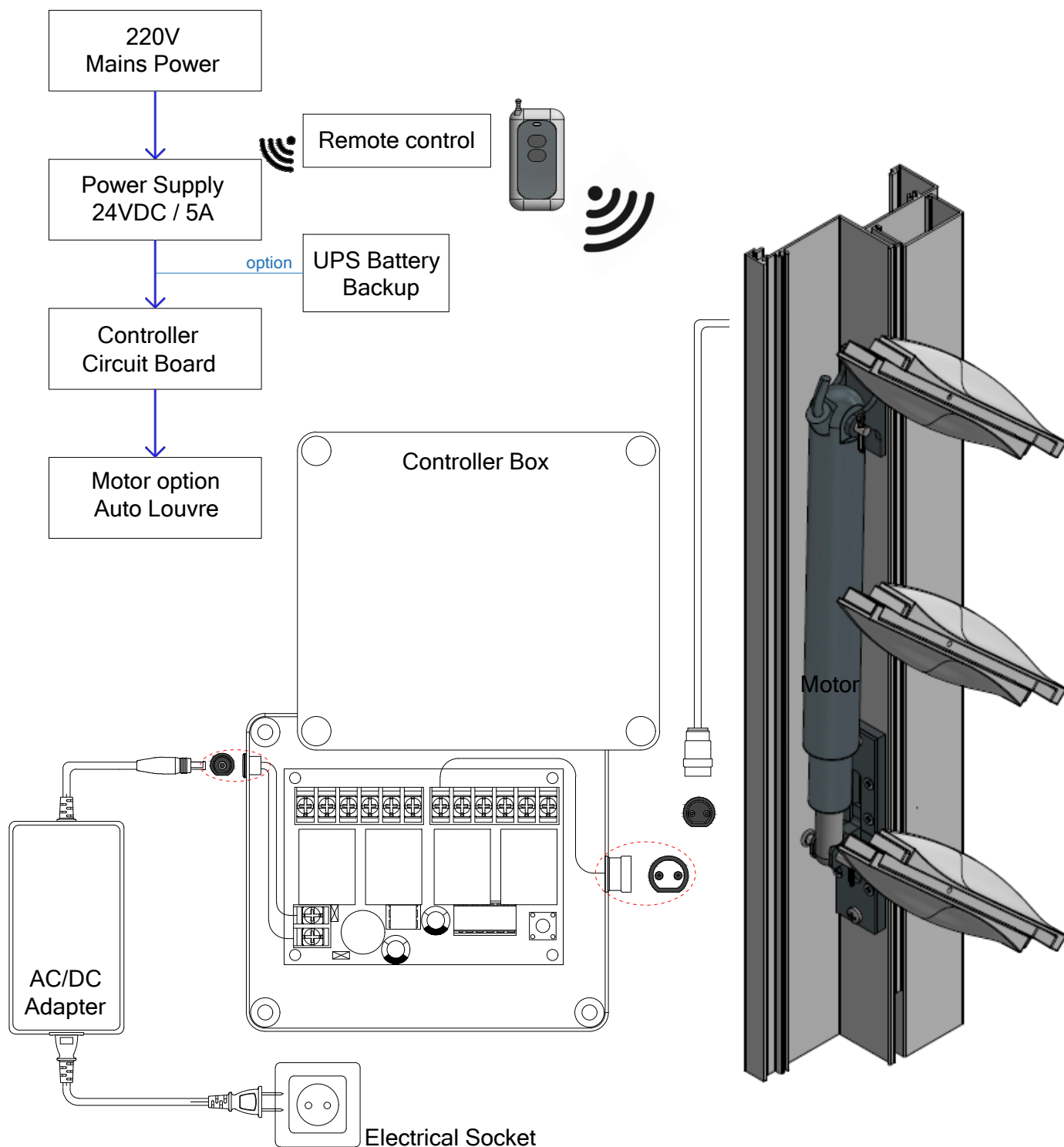
Positioning for low voltage transformers is usually in an accessible ceiling area, no more than 15 meters from the motor. Or another way The transformer can be located behind the downlight. A constant 220 volt power supply is required from an electrical contractor in the form of a plug base.

Memo:

Four (4) motors can be operated from one transformer and one circuit board. A separate low-voltage cable must be routed from the circuit board to each motor.

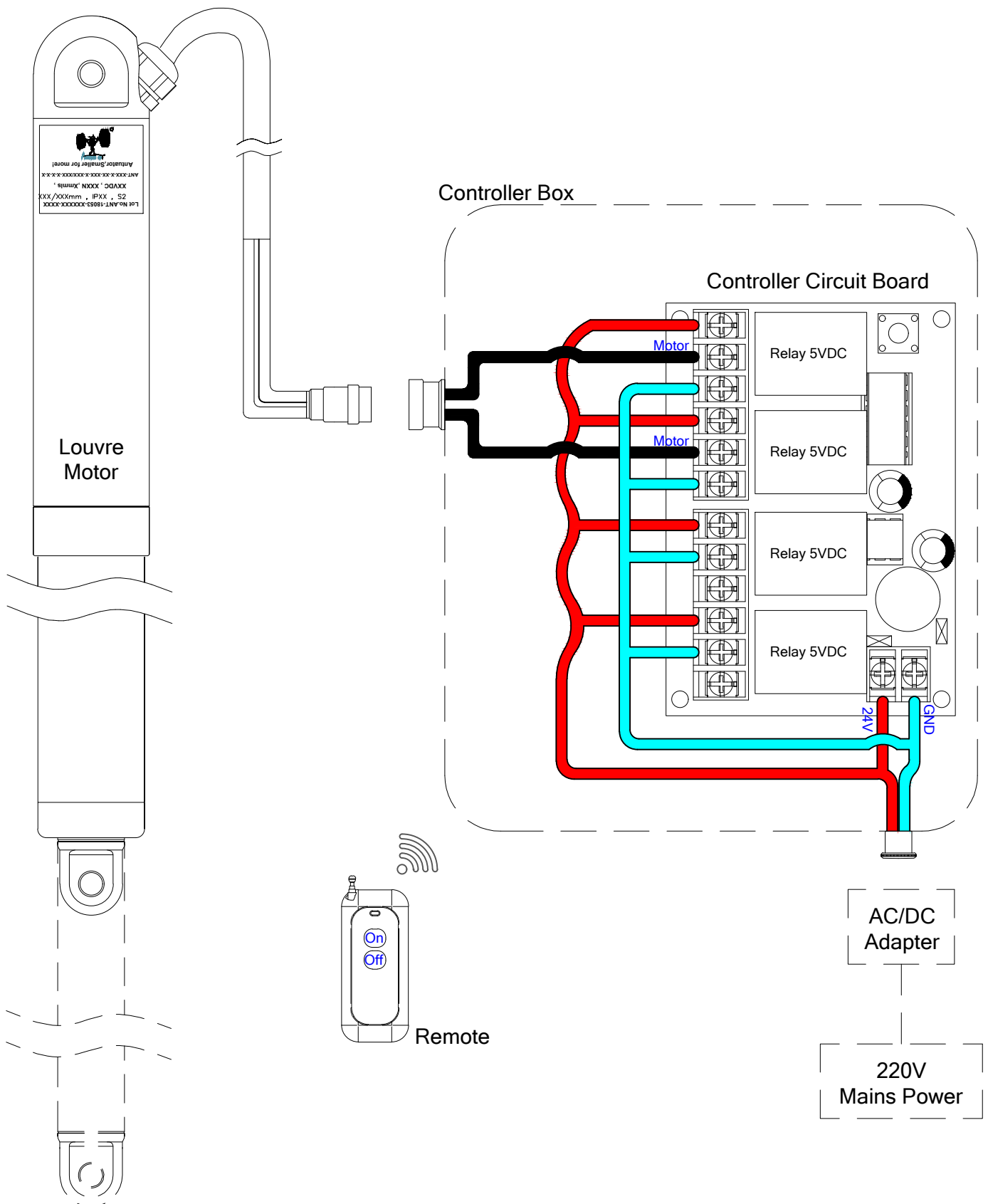
Don't run one wire and loop it in series. Because the first motor will draw all the power and will run at different speeds.

****For additional help with wiring options Please contact a Winwall technician for assistance****

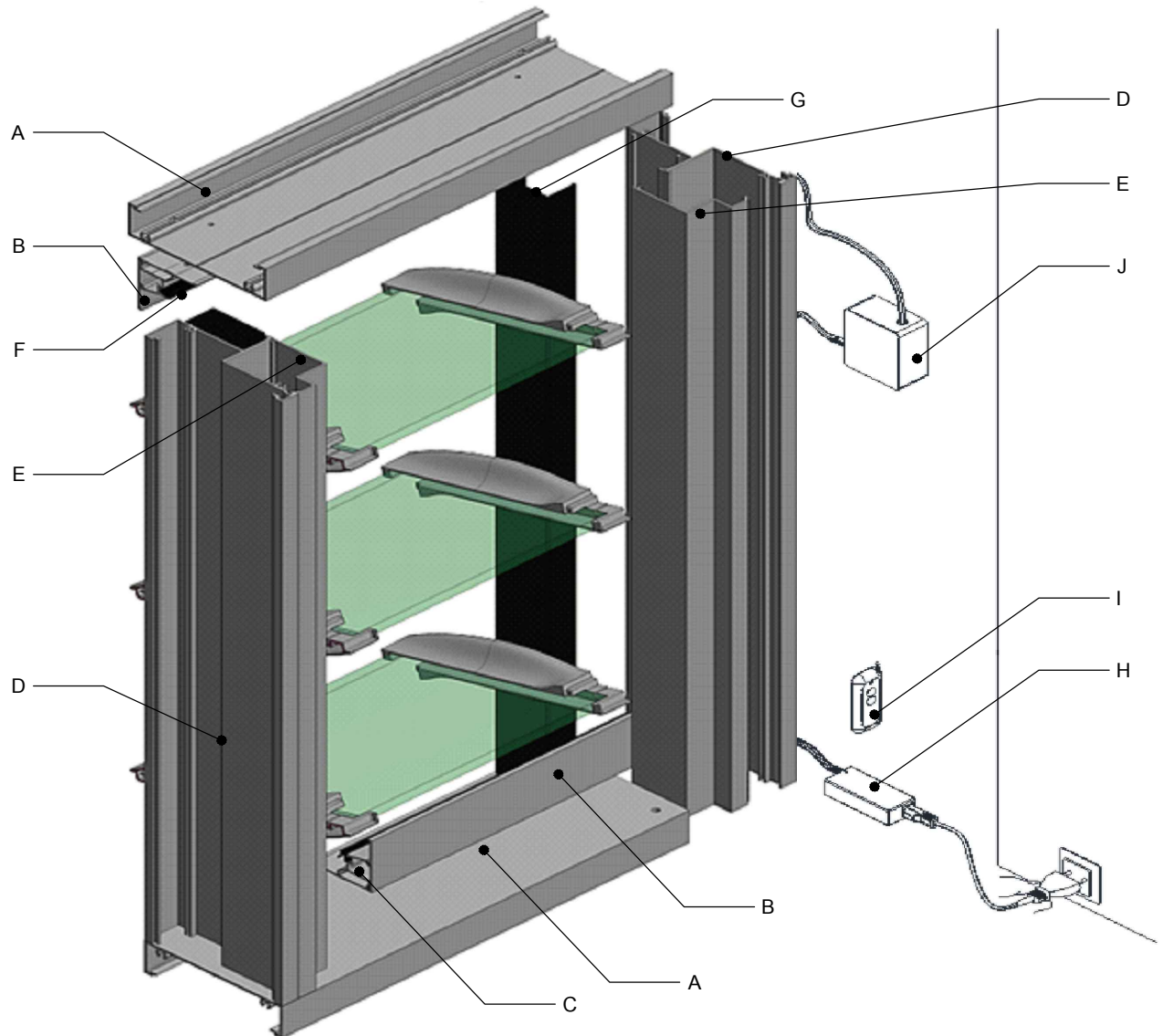


Remark:

- The circuit board inside the control box is completely connected with the remote control.
- The motor and mechanism are weather resistant. But other electrical equipment It should be installed inside. Especially in service areas that are in sight
- The input and output terminal has a plug hole size DC jack connector 5.5x2.5 mm.



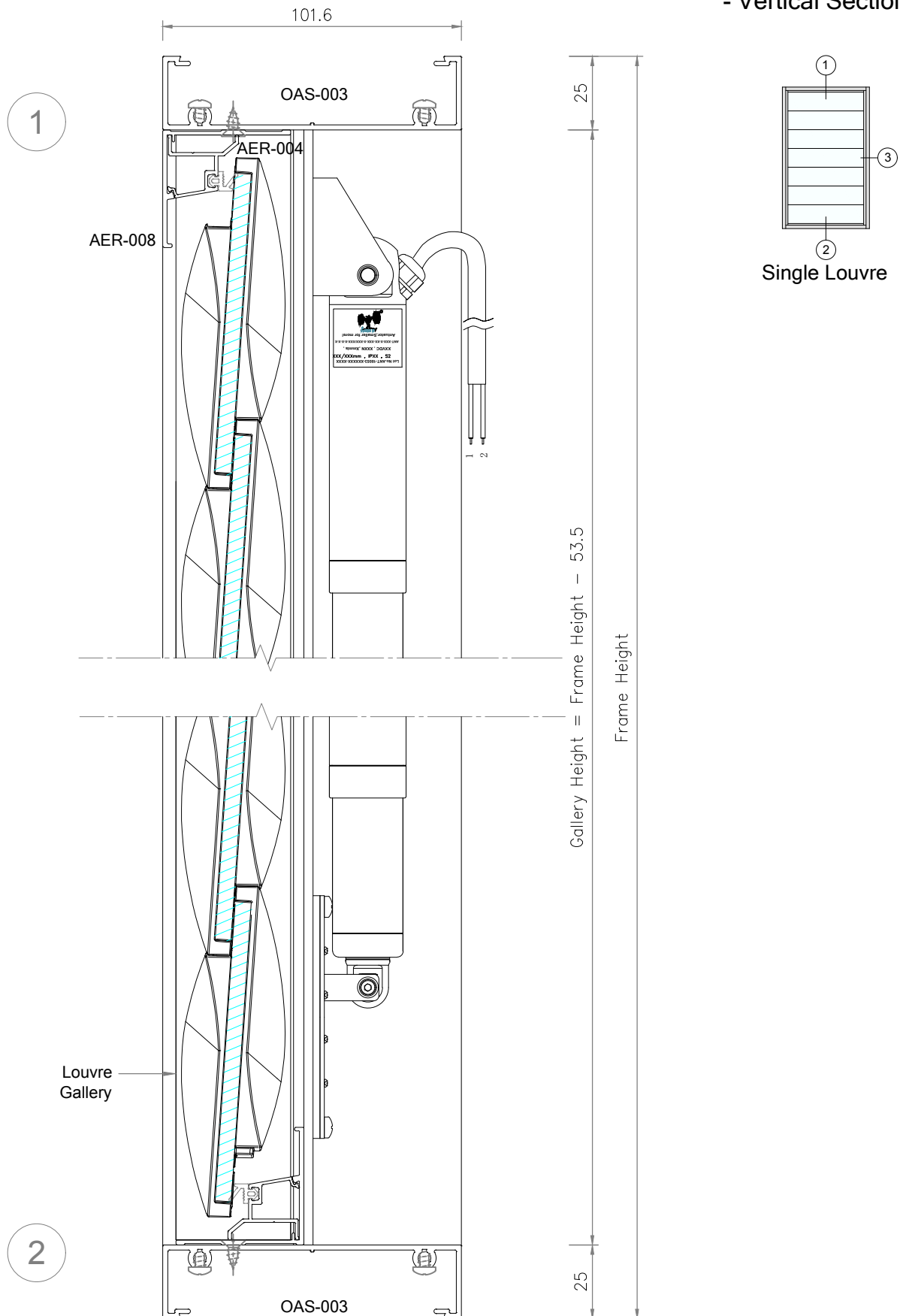
Oasis Automation Louvre Components



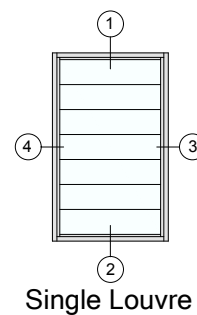
A	Plain Frame
B	Weather Bar
C	Weather Bead
D	Motor Frame
E	Cover Frame
F	Weather Gasket
G	Louvre Gallery

H	AC/DC Adapter
I	Remote Control
J	Control Box
	Motor& Actuated device

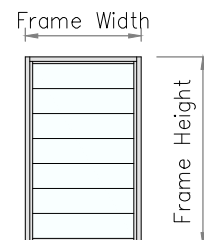
■ 101.6 mm Oasis Frame System - Vertical Section

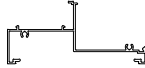


■ 101.6 mm Oasis Frame System - Horizontal Section

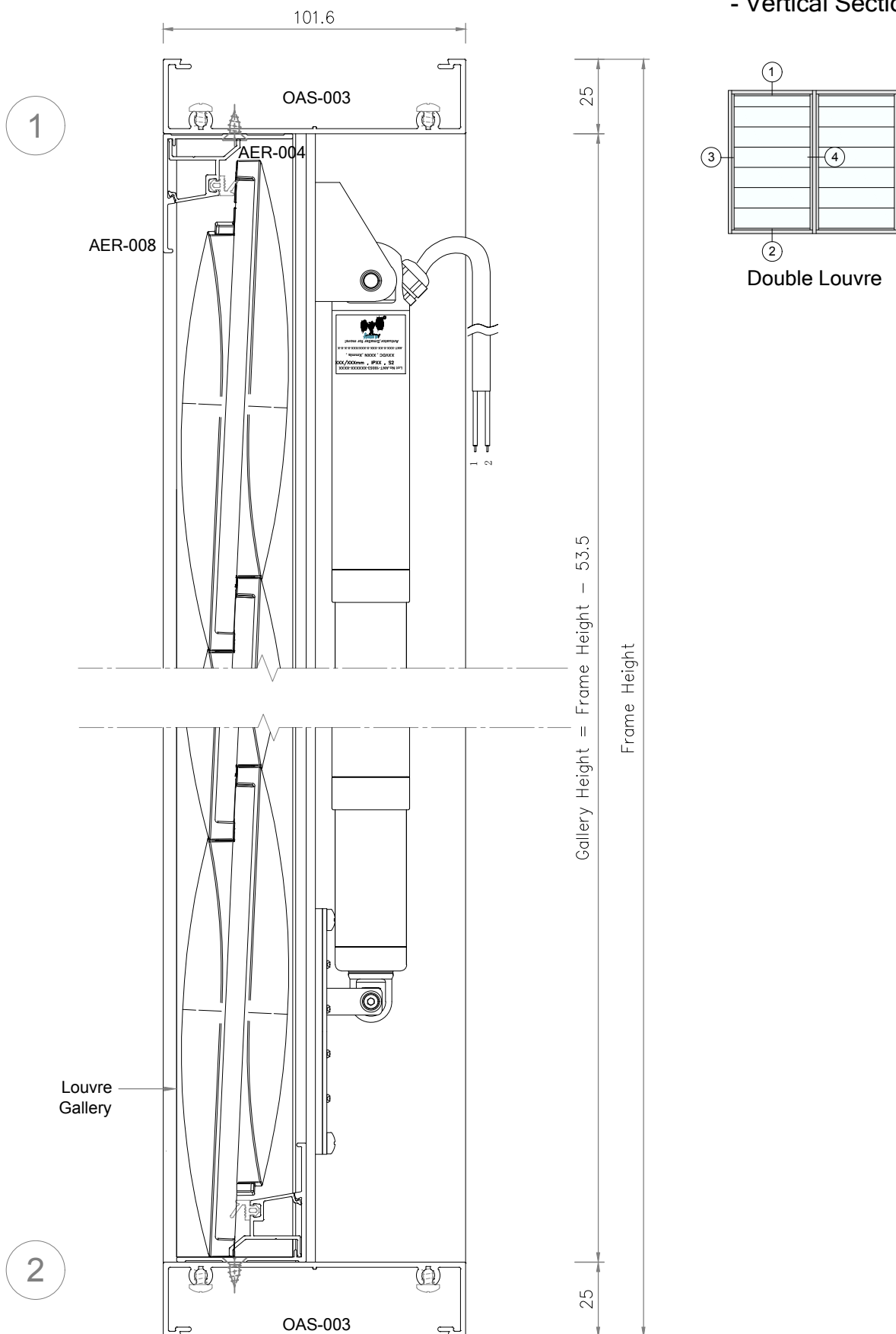


■ 101.6 mm Oasis Frame System - Single Louvre

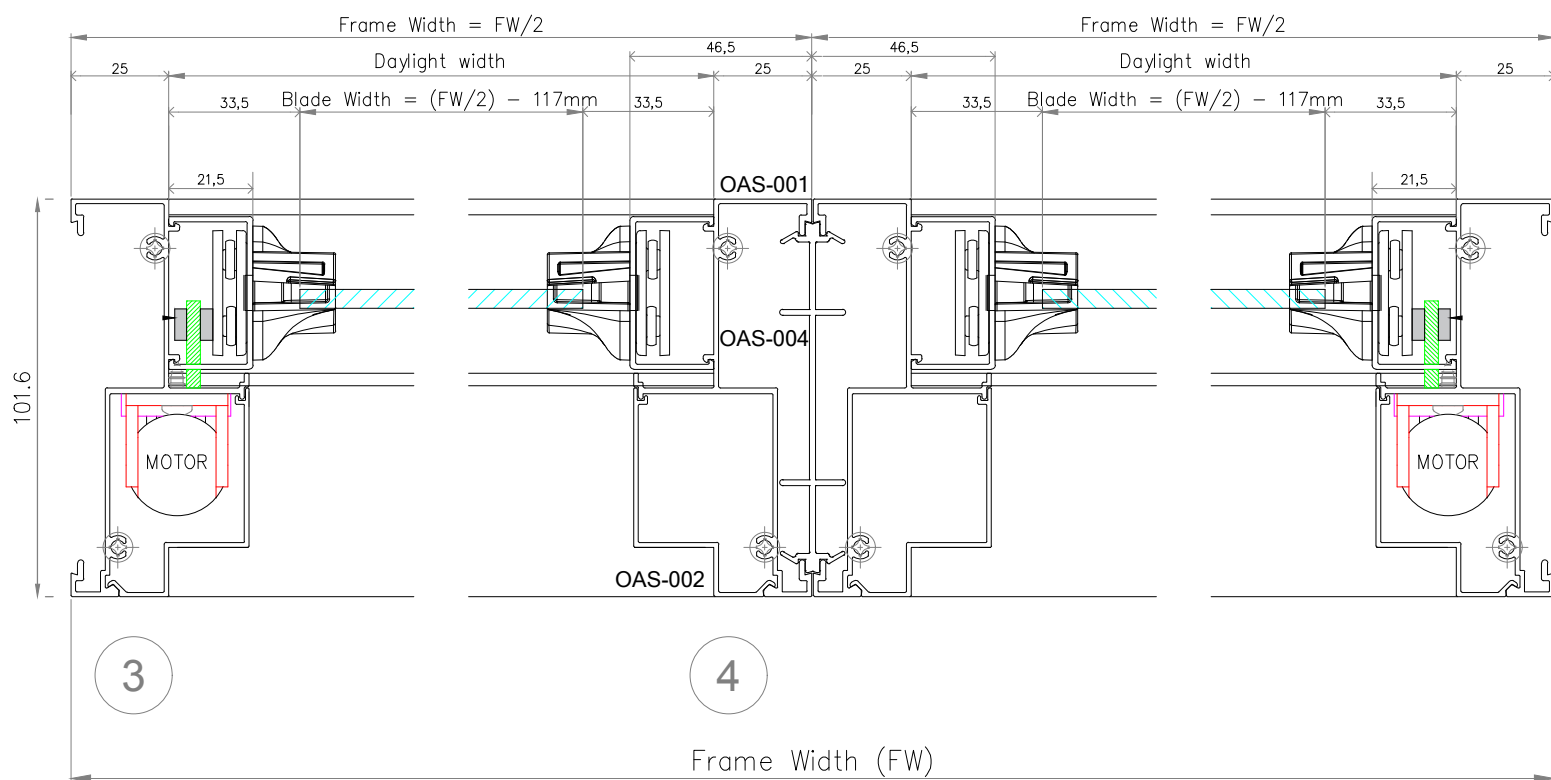
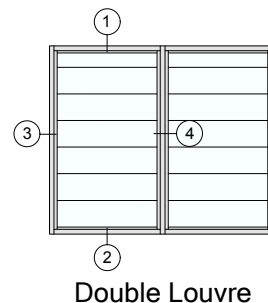


Profile	Section No.	Description	Cutting Formula	Qty
	OAS-003	Plain Frame	Frame Width	2
	OAS-001	Motor Frame	Frame Height - 50mm	2
	OAS-002	Cover Frame	Frame Height - 50mm	2
	AER-008	Weather Bar	Frame Width - 50mm	2
	AER-004	Weather Bead	Frame Width - 93mm	2
Glass or Aluminium Blade			Frame Width - 117mm	

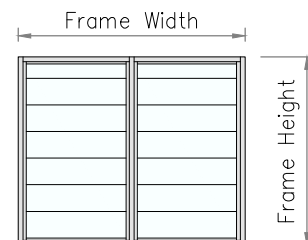
■ 101.6 mm Oasis Frame System - Vertical Section

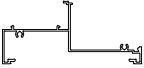


■ 101.6 mm Oasis Frame System - Horizontal Section

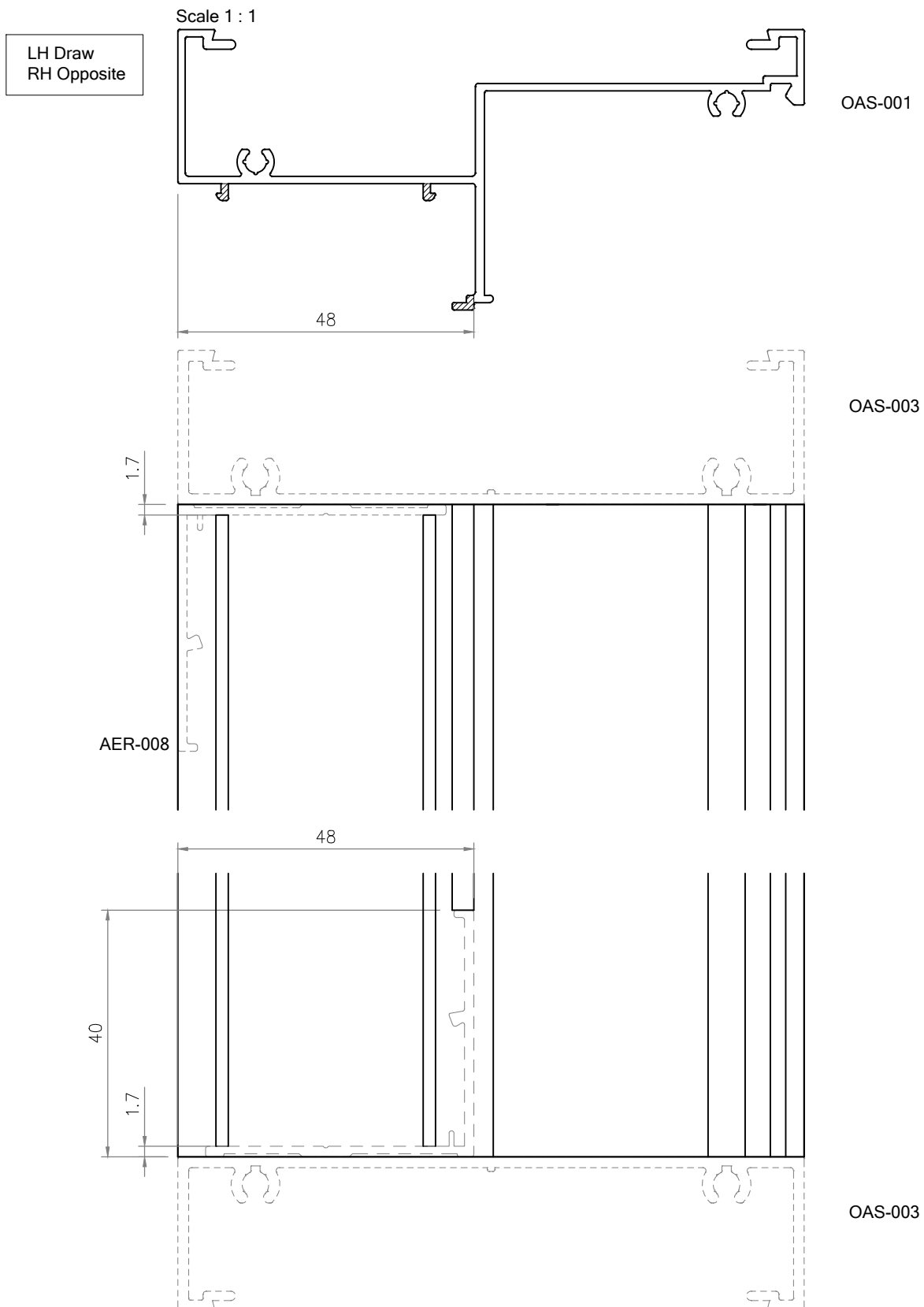


■ 101.6 mm Oasis Frame System - Double Gallery

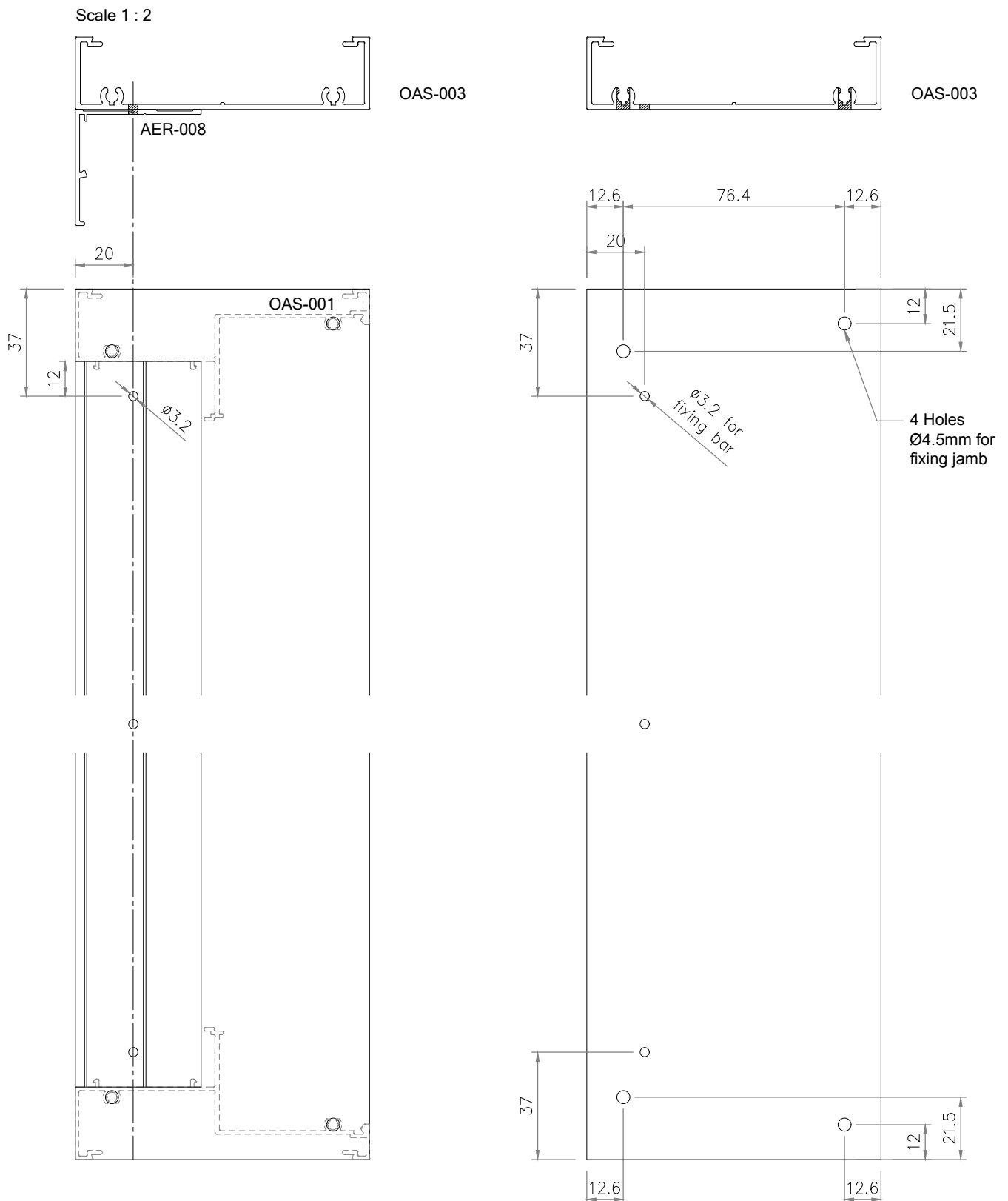


Profile	Section No.	Description	Cutting Formula	Qty
	OAS-003	Plain Frame	Frame Width / 2	4
	OAS-001	Motor Frame	Frame Height - 50mm	4
	OAS-002	Cover Frame	Frame Height - 50mm	4
	AER-008	Weather Bar	(Frame Width / 2) - 50mm	4
	AER-004	Weather Bead	(Frame Width / 2) - 93mm	4
	OAS-004	Frame Coupler	Frame Height	1
Glass or Aluminium Blade			(Frame Width / 2) - 117mm	

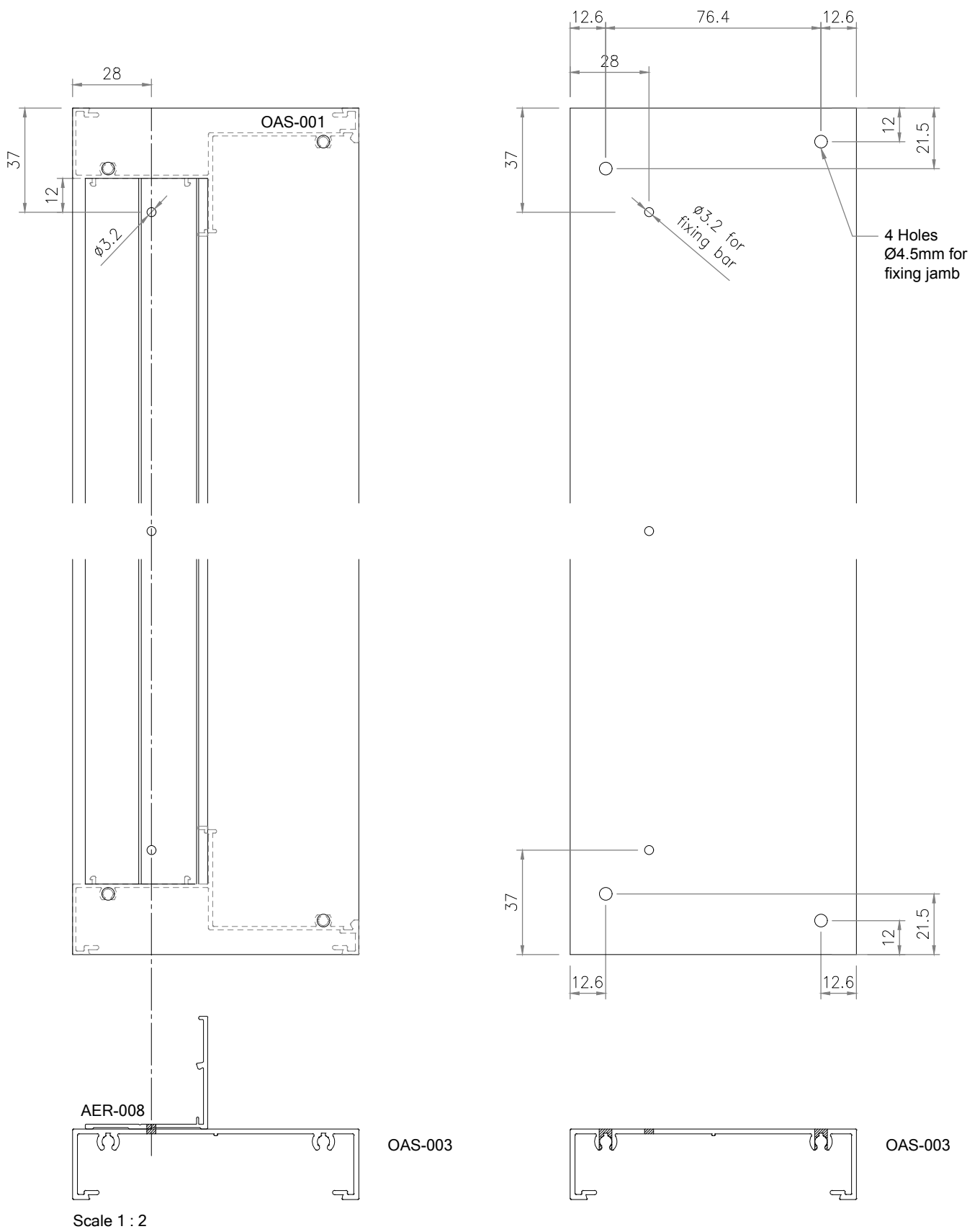
■ Jamb Preparation - Sill Head Details



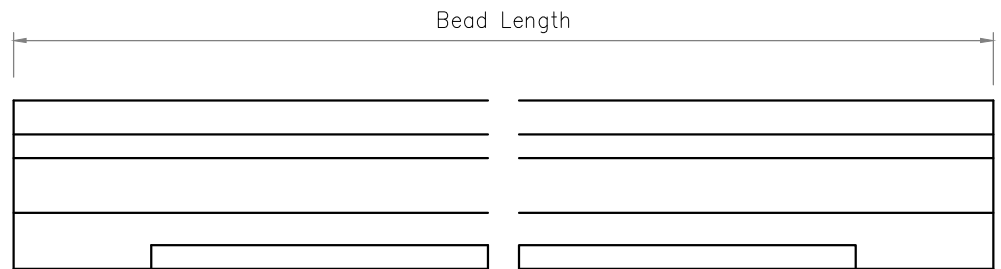
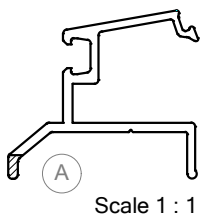
■ Head Preparation for Jamb, Bar - Head Details



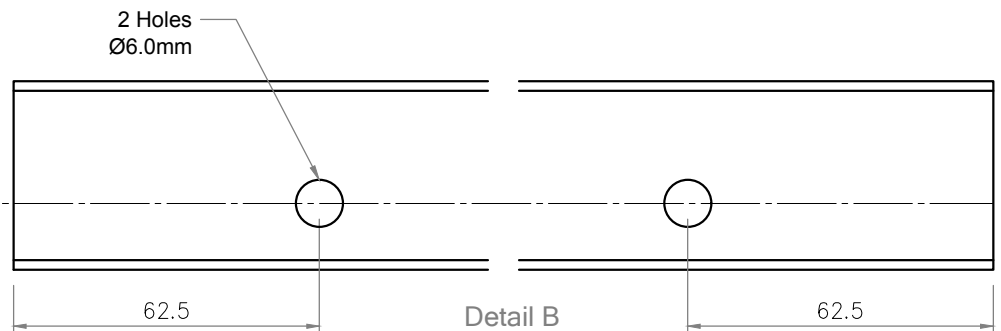
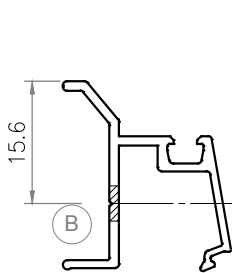
■ Sill Preparation for Jamb, Bar - Head Details



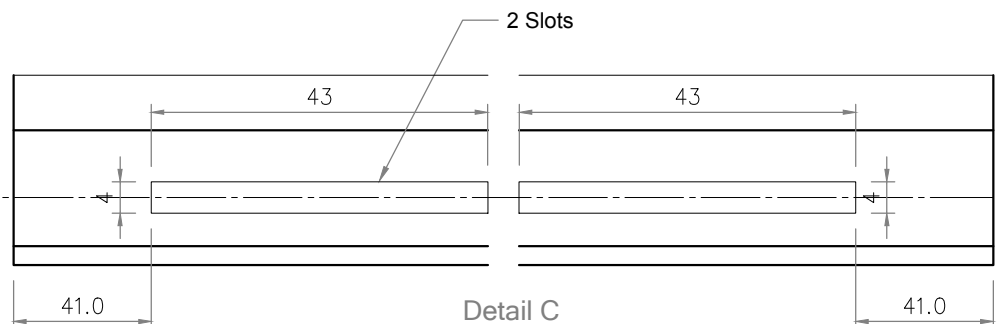
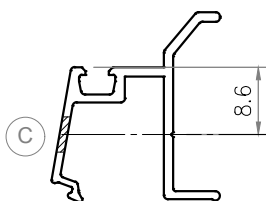
■ Weather Bead Drainage



Detail A



Detail B



Detail C

■ Maintenance of Louvre windows

*****It is recommended to have louvre window inspected at least every 6 months depending on environmental conditions and where the louvres are installed*****

Checklist

- Check the position of the screws to see if they are all properly fastened.
- Check blade clip for tear to see if there are any breaks.
- Check the use of the mechanism to see if it still works normally or not.
- Check all sealing points to make sure they are correctly positioned and clean.

■ Cleaning

Regular maintenance of the aluminum surface is necessary to extend the life of the product. which is caused by weather conditions and various external factors Cleaning should be done regularly at least 3 times per month.

Tips

- Use a wet cloth or sponge. In handling stains to avoid scratching the product.
- Use a cloth soaked in a mild cleaning solution. or liquid for cleaning glass only (Do not use any cleaning agents that are corrosive to the material. may affect or damage the surface of the product) with warm water, wipe the aluminum louver frame and blade clips, and be careful not to allow water to enter the mechanism hidden within the aluminum frame. and wipe it again with clean water.
- To maintain the smoothness and luster of the aluminum surface. It is recommended to use a non-abrasive car polish to apply to the floor. surface to make the louvre look more beautiful.

■ Product warranty conditions

This product is distributed by Winwall Aluminum Company Limited. It is warranted against manufacturing defects from the date of receipt of the product. The details are as follows:

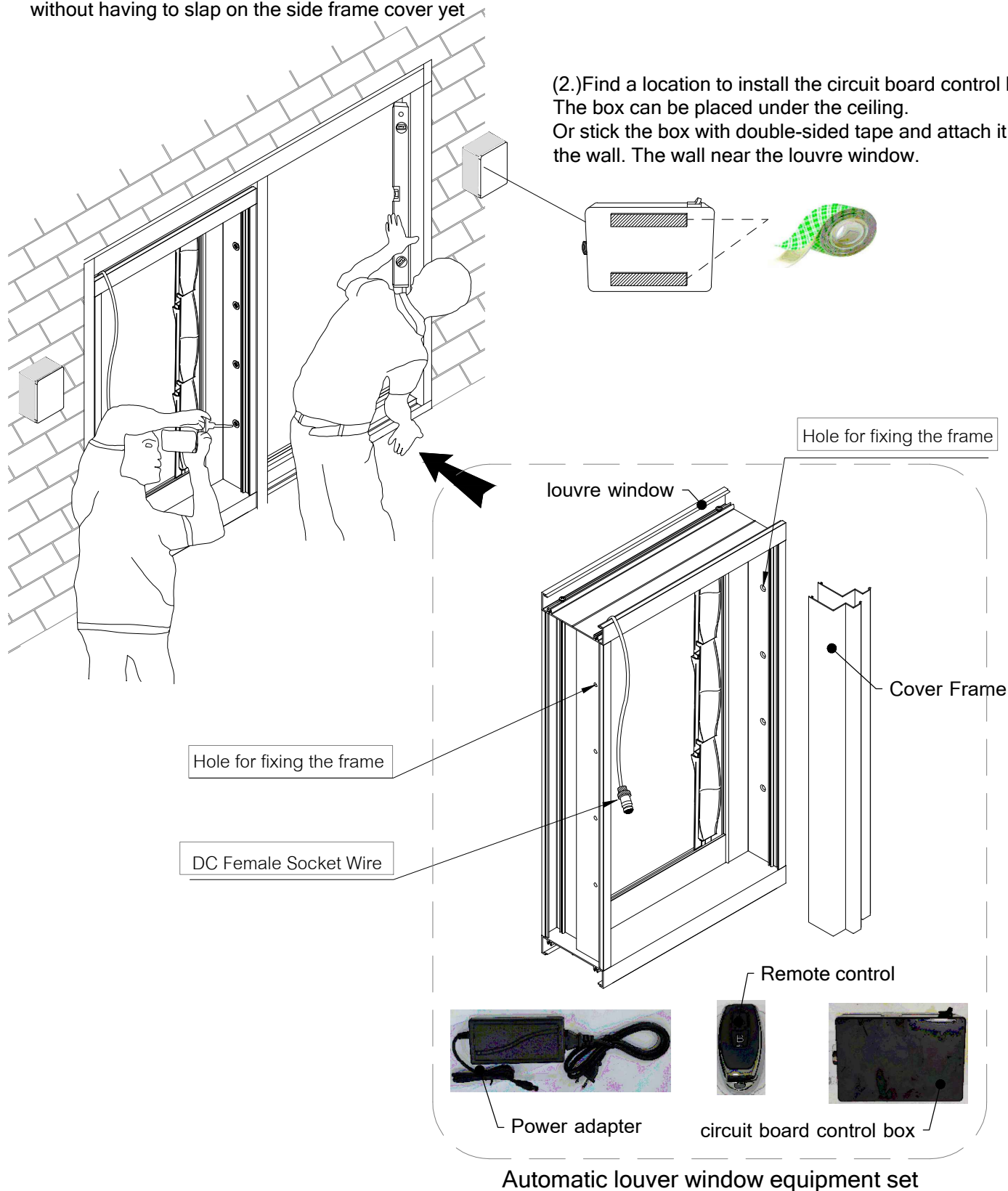
- The product has been installed correctly according to the installation instructions manual that complies with standards from Winwall Aluminum Co., Ltd.
The installation location of the control box should avoid direct contact with water. Including cleaning the interior louvre frame, be careful not to let water get into the frame that has a motor device hidden inside.
- The product should be cared for and maintained according to the instructions of Winwall Aluminum Company Limited.
- The product has not been altered. or changed from the original condition
- The warranty covers repairs or replacement of parts of the product. But does not include installation at the job site. It will be at the discretion of Winwall Aluminum Company Limited.
- The warranty for electrical components (motor and circuit board) is 1 year. The warranty for the louvre gallery & frame is 5 years.
- All repairs will be performed by Winwall Aluminum Company Limited personnel or authorized representatives only.

*****Any claims under warranty should be made within 1 month of discovery of the defect in the product and must be clearly accompanied by documentation showing the date of purchase along with the written claim*****

■ Basic steps for installing and using automatic louver windows

(1.) Take only the window frame (without glass) Shoot the screws to install the frame in the jamb completely. without having to slap on the side frame cover yet

(2.) Find a location to install the circuit board control box. The box can be placed under the ceiling. Or stick the box with double-sided tape and attach it to the wall. The wall near the louvre window.

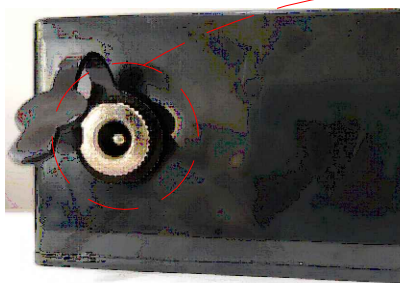


(3.) Plug the device DC power jack into socket connector of control box.



Turn to tighten the lock.

(4.) Connect the power adapter to the control box. And plug in the power socket to enable



(5.) Press the remote control button. (Press and hold)



Press A to use the command to open the window.

Press B to use the command to close the window.

(6.) Press the remote to open the window slightly. Bring 6mm thick glass and then take the cover frame and slap it onto the frame.

