



PACIFIC
WHOLESALE DISTRIBUTORS

Custom Made Shutter Manual External Applications

Aluminium External Shutters

May 2023

Version 2023.1

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TERMS AND CONDITIONS OF TRADING

Effective: 15th August 2022

Payment Terms

Strictly net 30 days, if there is a problem with payment, please contact us.

Pacific Wholesale Distributors reserve the right to:

1. Refuse delivery to any overdue account.
2. Charge interest on overdue accounts.
3. Refuse credit.

Delivery Terms/Freight

Sydney Metropolitan \$56.69 – Order value below \$1,000

Regional & Interstate \$85.04 – Order value below \$1,000

Orders that exceed these values will be Free Into Store (FIS).

The additional freight charges are below;

Charge Type	Details
Tail Gate <i>Delivery to a site where there is no forklift, and pallets or other heavy consignments requires the use of a tail gate/tilt lift truck</i>	\$97.00 includes up to 2 pallets \$49.00 per additional pallet thereafter
Hand/Manual Unload <i>Delivery to a site where there is no forklift, and the consignment needs to be unloaded by hand</i>	\$74.00 per pallet or large loose item
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Waiting Time	\$69.00 after the first 30 minutes
Time Slot/Delivery Time Restriction Fee <i>When a consignment requires; A date/timeslot to be booked or a specific delivery day/time window Delivery before 2:30pm</i>	\$52.00 per consignment
Over Length Surcharge – Over 3.7m Long	\$144.00 per consignment <i>Only applies when the order value is less than \$2,000 Ex GST</i>
Residential Delivery	\$114.00 per pallet or large loose item
Post Bag	\$17.01
Overnight Express Post Bag	\$28.35

GST

GST is charged on all items at a rate of 10%.

All prices quoted in this product catalogue or additional prices **do not include GST**.



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Claims

1. All credit claims must be in writing, including the relevant invoice numbers.
2. Claims must be submitted within 7 days of receipt of goods.
3. Goods may not be returned for credit without prior authorisation.
4. Pacific Wholesale Distributors will only replace faulty stock and will accept no further liability.
5. All returns are subject to a 20% re-stocking fee.

Title

Property title in all goods remains with Pacific Wholesale Distributors until the goods are paid for in full.

PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE

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1. Introduction

The OPC External Shutter range offers custom made shutters in Aluminium.

Elegant and stylish OPC Shutters will not only add value to a home, they are energy efficient too, helping to keep a house cooler in summer and warmer in winter.

OPC Shutters offer complete control from today's harsh elements enabling you to block Sun, Wind and Rain while providing complete privacy by simply tilting the shutter blades.

All OPC Aluminium Shutters have a superior powder coat finish for longevity and they are easy to care for.

OPC Aluminium Shutters are expertly custom made to suit most External requirements. Applications include hinged, fixed and sliding.

Supporting this great range are swatches and sales aids that can be used by all sales people when promoting the OPC Shutter range, please refer to [Sales Aids](#)

2. OPC Aluminium Shutters

What are OPC **Aluminium** Shutters?

- OPC Aluminium Shutters provide elegance, style and sheer sophistication.
- OPC Aluminium Shutters are a great solution for outdoors; they will complete and enhance your living space.
- OPC Aluminium shutters are unique; the complete system allows adjustment with our interlocking U Channels for out of square situations.
- OPC Aluminium Shutters have the option of being supplied with either:
 - Tracking for Sliding Shutters
 - U Channels for Fixed Shutters
 - L Frames and T Posts if required for hinged Shutters
- OPC Aluminium Shutters consist of Two Powder Coated colours:
 - Pearl White
 - Black
- OPC Aluminium Shutters are available in an 89mm Blade.
- OPC Aluminium Shutters have been finished with a high UV Powder Coat making these ideal for outdoor use.
- OPC Aluminium Shutters are constructed out of T5 Aluminium, which is commonly used in the aviation industry, making the range extremely strong and durable.

Photo Gallery of Aluminium Shutters





3. Ordering and Measuring Process

All orders for OPC Aluminium Shutters MUST be submitted electronically by using the latest version of Pacific Wholesale's Shutter Order Form.

References to the Shutter Order Form will be made throughout this manual. If you do not have the latest version of Pacific Wholesale's Shutter Order form, please contact the office shutterorders@pacificwholesale.com.au and request a copy today.

Please see an example of the Pacific Wholesale Shutter Order Form on the following page:

				STORE NAME: 0																Page: 10 of 1					
CUSTOMER NAME: 0		CUSTOMER NAME: 0																CUSTOMER NAME: 0							
DELIVERY ADDRESS: 0		DELIVERY ADDRESS: 0																DELIVERY ADDRESS: 0							
WORKSHEET/WORK OF: 0		WORKSHEET/WORK OF: 0																WORKSHEET/WORK OF: 0							
DATE: 0/01/1900		DATE: 0/01/1900																DATE: 0/01/1900							
PWD ORDER NO.:		SALES ORDER NO:																							
Phone: +612 8850 3301 Fax: +612 9680 7488																									
<i>This is designed to begin at the left and work towards the right as the options will change based on the selection.</i>																									
Mandatory Fields										Mandatory Fields if IN Or OUT Ordered - Not Valid if Make Size (MS) Panel Ordered										Mandatory					
Item #	Room Location	Gross Open Width	Gross Open Height	MS, In Or Out	Panel Quantity	Blade Size	Material & Product	Colour	Mid Rail Height	Mounting Method	Layout Code	Hinge Colour	Hinge Quantity	Frame Type	Left	Right	Top	Bottom	T/H Post Quantity	1st Post	2nd Post	3rd Post	Tiltrod	Lock	m2
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									

Extra's Required																
Item #	A Extra Large U Channel 41.6mm x 42.2mm	B Large U Channel 38.2mm x 40mm	C Off Set "H" Section 34.2mm x 40mm	D Tracking 38.2mm x 27mm	E Angle 1 40mm x 40mm	F Angle 2 40mm x 20mm	G Angle 3 25mm x 20mm	H Angle 4 20mm x 12mm	I T Part 50mm x 50mm	J L Frame 50mm x 35mm	K Bottom Inset Track With Plastic Inset 38.2mm x 23.4mm With 22mm x 14mm	L Bottom Track With Pip 38.2mm x 25mm	M Large Bottom Track 42.2mm x 26.6mm	N Std H Section 34.2mm x 40mm	O Stile 60mm x 30mm	P Stainless Steel Hinge Quantity
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																

Item #	Standard Special Comments # 1	Standard Special Comments # 2	User Specific Line Item Notes/Special Comments	Additional Hardware		General Notes
				Quantity	Item	
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						

“Special Comments” are referred to frequently in this manual, please see below examples that can be selected when ordering:

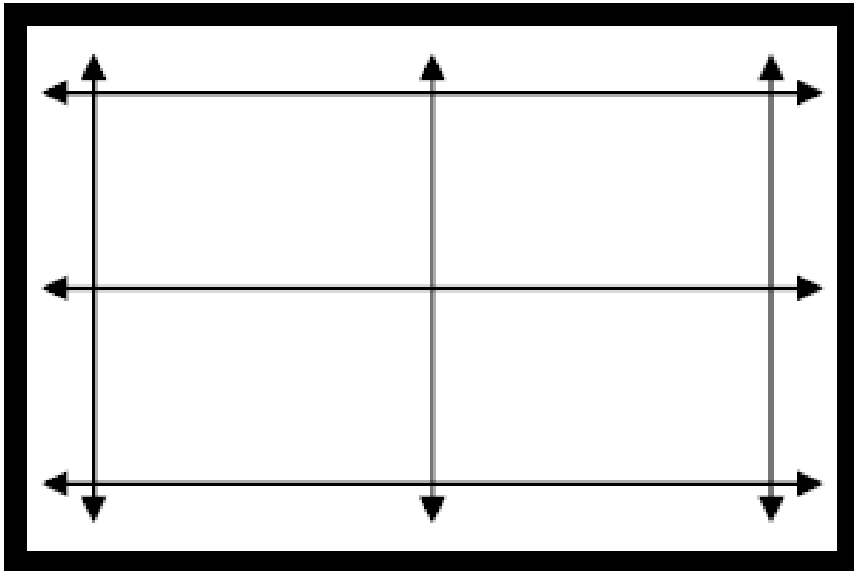
32	
33	Standard Special Comments # 1
34	
35	
36	All Even Panels
37	Critical Midrail
38	Flush Bolts On Back Of Panels
39	Flush Bolts On Front Of Panels
40	Left Panel Open First
	Maximum Blades Possible
	Panels Fixed With Magnets & Catches
	Smallest Possible Top & Bottom Rails
<div>Summary Aluminium External Aluminium Screen</div>	

Standard Special Comments # 2	
	Flush Bolts On Front Of Panels
	Left Panel Open First
	Maximum Blades Possible
	Panels Fixed With Magnets & Catches
	Smallest Possible Top & Bottom Rails
	Split Tiltrod In Half
	Split Tiltrod In Half Above Midrail
	Split Tiltrod In Half Below Midrail
reen	

3.1 In

Recess Fit

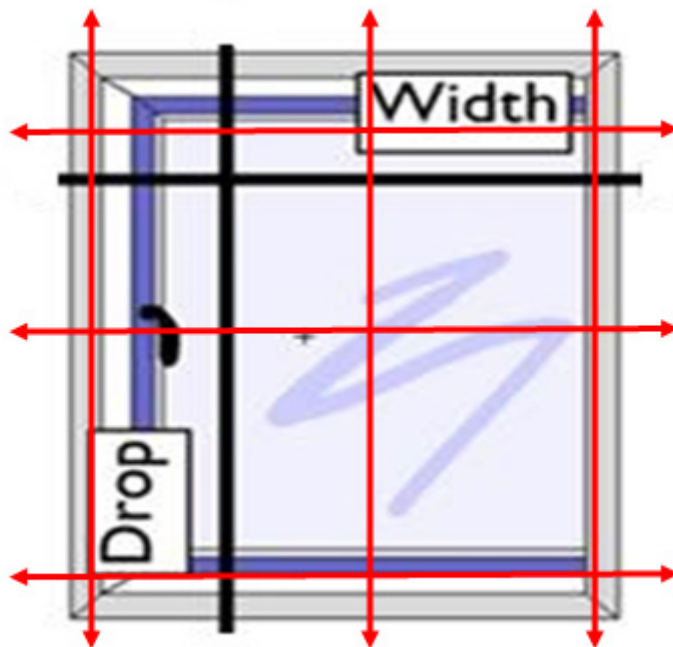
1. Measurements are required to be in millimeters (mm).
2. The depth of the reveal where the shutter or frame will be mounted needs to be measured, to ensure no mullions, handles or key locks etc. will interfere with the operation of the blades when open.
3. Measuring for inside reveal (recess) fit the shutters should be measured in three places across the width and the drop and the smallest measurements provided.



3.2 Out

Face Fit

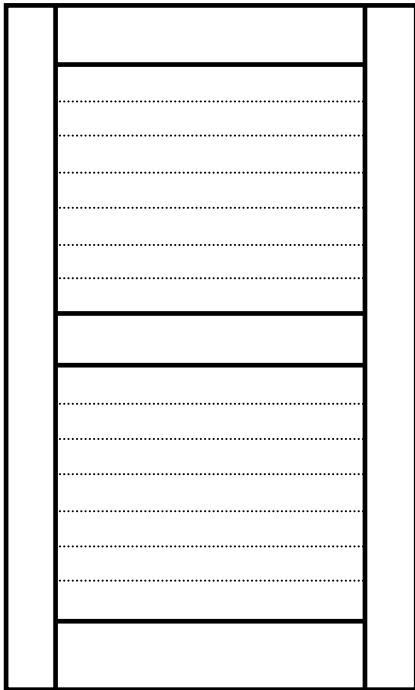
1. Measurements are required to be in millimeters (mm).
2. Measuring for outside (face) fit the shutters should be measured in three places across the width and the drop and the largest measurement provided where the outside of the shutter frame is to be installed.



3.3 MS

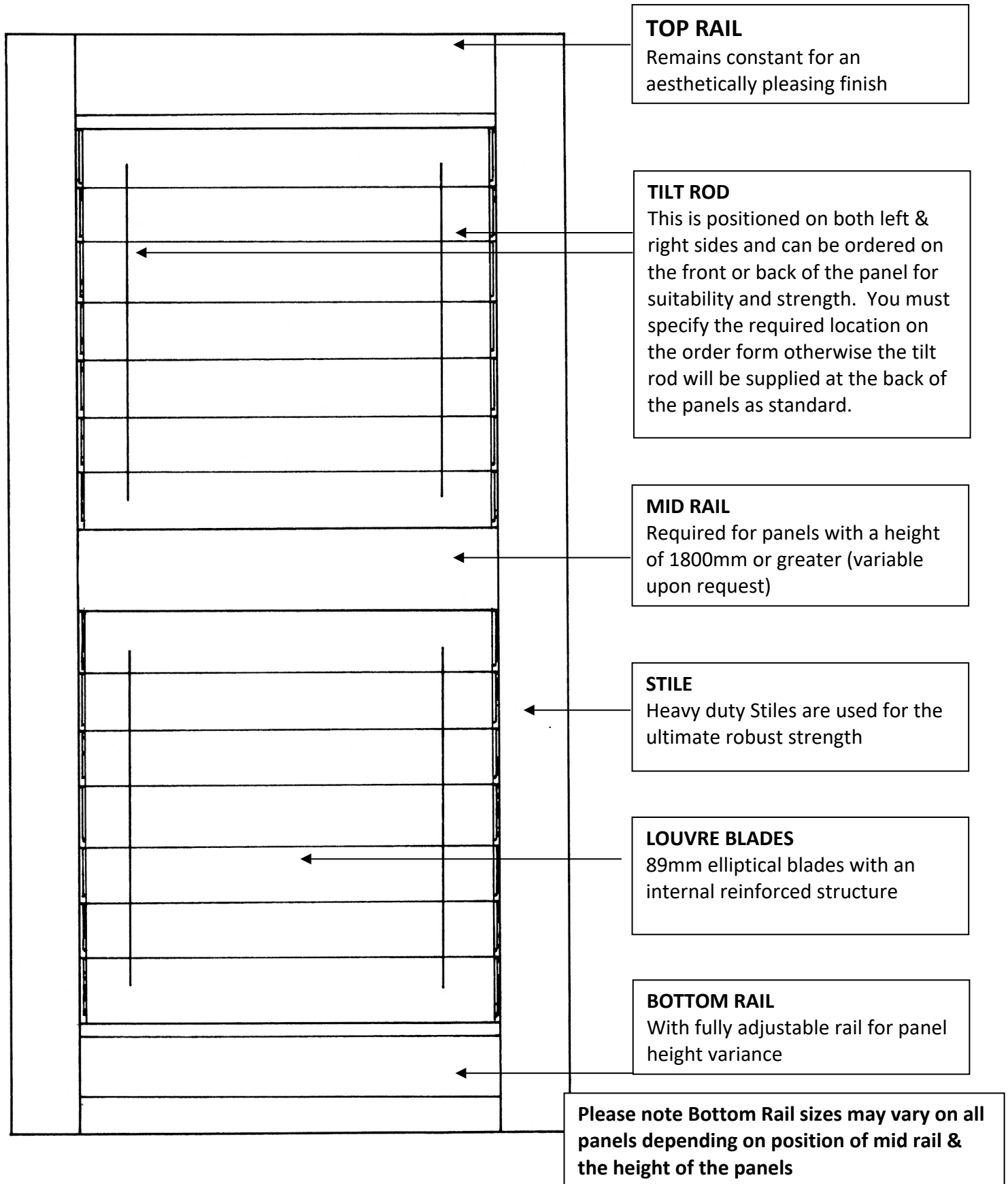
Make Size

1. Is the actual Panel Size.
2. When ordering MS be aware this does not allow for any deductions for Frames or the opening / application.



4. Options and Specifications

4.1 Panel Components



4.2 Standard Panel Dimensions - OPC Aluminium

Please refer to the [Shutter Range Reference Chart](#) on for Panel Dimensions – heights and widths.

Maximum Panel heights and widths are dependent on Mounting Methods, please refer to the [Mounting Methods Reference Chart](#)

4.3 OPC Aluminium Finishes

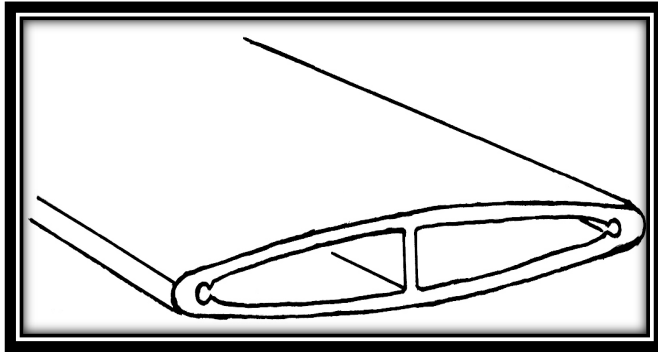
Powder Coat Colours Available

Pearl White

Black

4.4 Aluminium Blade

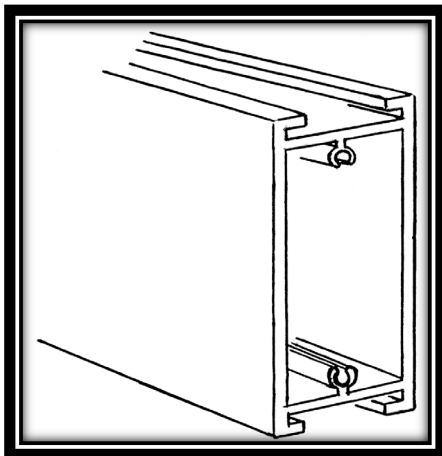
Aluminium 89mm Blade



4.5 Top and Bottom Rail

External Shutters

Aluminium Top and Bottom Rail



Please Note:

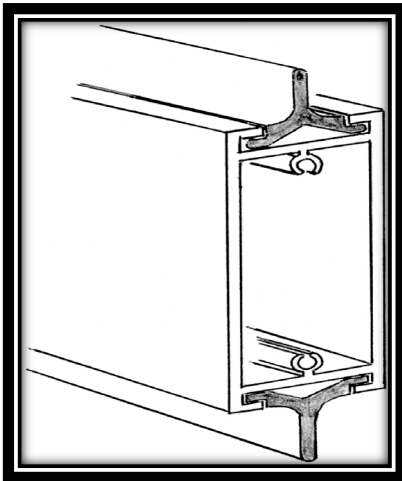
1. The Top & Bottom Rail are variable depending on the height of the panel and the number of blades required.
2. Panels can be ordered with “Maximum Amount of Blades” requested in the **Special Comments**; however the Top and Bottom Rails must be made within factory determined specifications so it does not affect the integrity and overall strength of the panel.

Top and Bottom Rails will not be made with a height of less than 63mm.

Standard Special Comments # 2	
Maximum Blades Possible	▼

4.6 Mid Rail

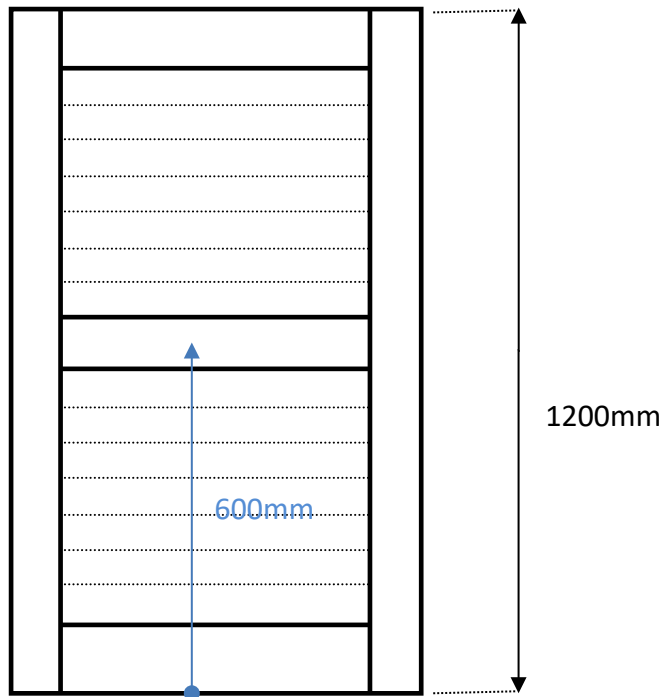
Aluminium Mid Rail



Please Note:

1. When a Mid Rail is required due to panel height specifications, the positional location must be measured from the bottom of the opening to the **centre** of where the mid rail is required.
2. This is the most accurate method for lining up with an existing feature like a hand rail, Fence and Balistrating (or other shutters).
3. Every effort will be made to have the mid rail placed in the exact position requested but there can be some variances depending on the height of the panels.
4. We recommend ordering a Mid Rail location as "Critical Mid Rail" in your **Special Comments**, as the factory has a (MAA) Mid Rail Adjustment Allowance of **40mm** up or down, if "Critical Mid Rail" has not been specified in the **Special Comments**.
5. "Critical Mid Rail" **MUST** be selected in the **Special Comments**, corresponding to each relating Line Item on the order form.
6. Any shutter over 2500mm high will require two mid rails, however only one of those mid rails can be specified as "Critical Mid Rail" – please select this on the order form, in the **Special Comments**.

7. The second mid rail cannot be Critical as the overlaps and increments for every blade location have to be exact, so the second mid rail height will vary depending on the height of the panel and the amount of full blades required.

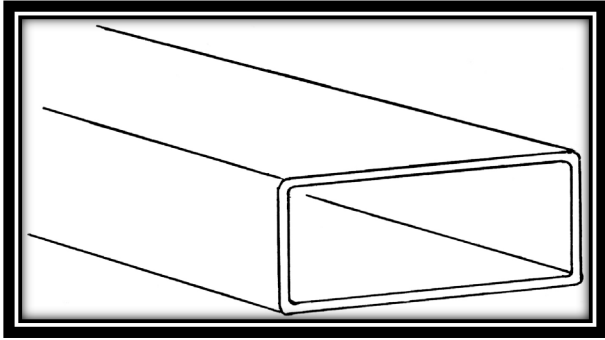


Example (see arrows):

- Gross Open Height 1200mm
- Mid rail @ 600mm (Bottom of Opening to Centre of Mid Rail)

4.7 Stiles

Standard Stile

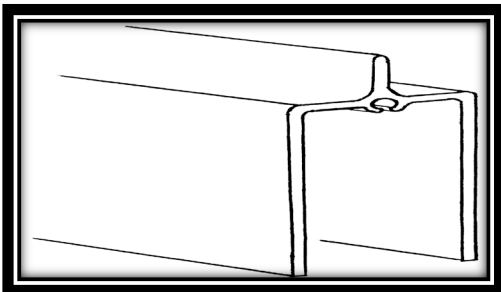


A standard shutter panel is made using a standard rectangular stile.

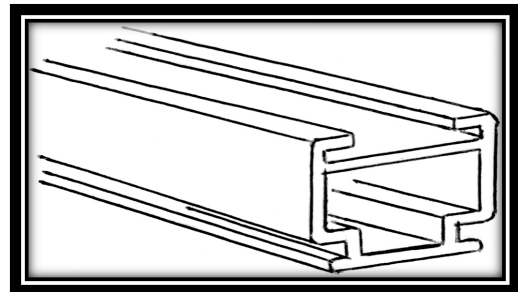
- Standard Stile is used on the side of panels butting into framework, T Posts or if panels only are ordered, without specific instructions.

Adjusting Rails

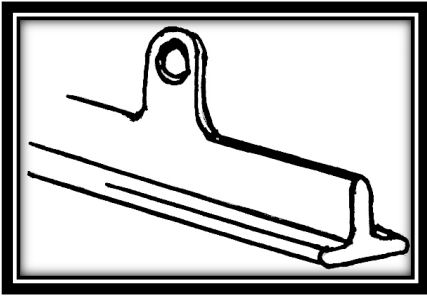
Large Adjusting Rail



Small Adjusting Rail



4.8 Tilt Rod



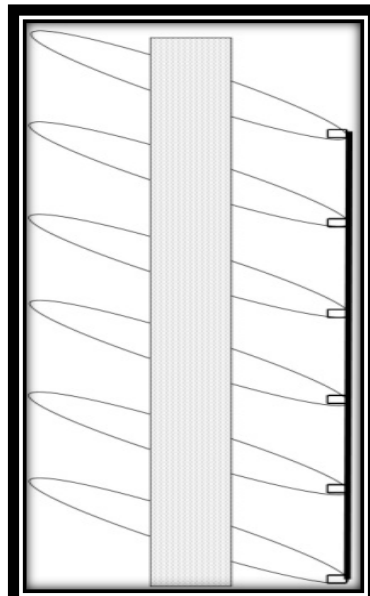
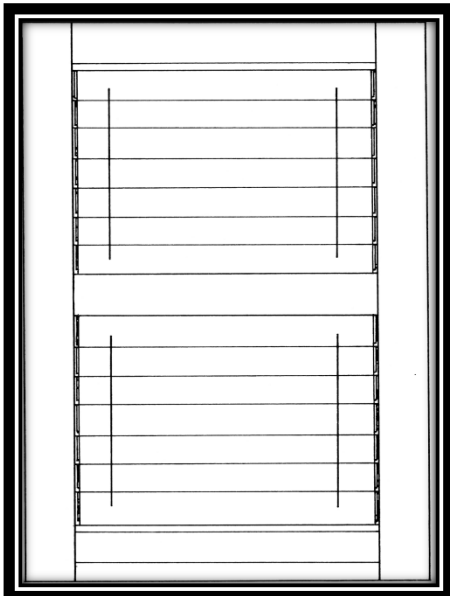
1. Hidden Front or Back

When placed on the back of the panel, this sleek Tilt Rod is barely visible from the front.

The colour co-ordinated hidden metal strip is rebated into the side of the Louvre Blades.

This option provides an unobtrusive view through the shutters once the blades are open. This can also be split at specified locations e.g.: Top and Bottom above and/or below the mid rail

“Split Tilt Rod in” must be specified in related **Special Comments** on the order form.



5. Mounting Methods

5.1 Hinged Panels

A good option creating door access amongst Fixed Panels.

5.2 Fixed Removable Panels

Great for enclosing Patios and Verandas where the blades can rotate while the panels remain fixed in place, the panels can also be removed if necessary but are normally left fixed in place.

5.3 Sliding Panels

Sliding Panels can be used in carport, Patio and Veranda applications allowing for the panels to slide away creating a clear View and access of situations but they are commonly used over sliding doors, while giving complete privacy when fully closed.

5.4 Photo Gallery of Mounting Methods

Hinged Panels



Fixed Removable Panels



Sliding Panels



6. Hinged Panels

We recommend the panel width to be kept well less than the maximum widths to reduce the weight on the hinges.

Please refer to the [Mounting Methods Reference Chart](#) for Hinged Panels minimum and maximum dimensions.

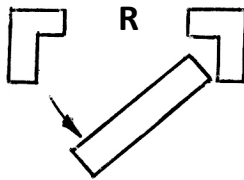
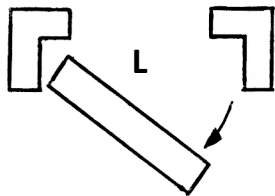
6.1 Layout Codes for Hinged Panels

When configuring the “Layout Code” for Hinged Panels, the letters below apply:

- ‘L’ - Left Hand Side Hinge
- ‘R’ - Right Hand Side Hinge
- ‘T’ - T Post (for hinging panels off)

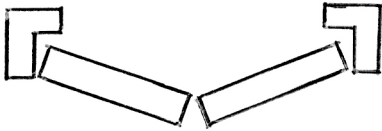
NOTE: When ordering, the Panel Quantity **must match** the Layout Code.

One Panel

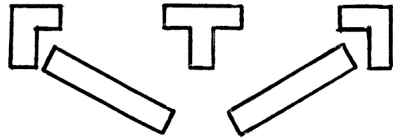


Two Panels

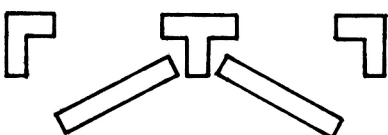
LR



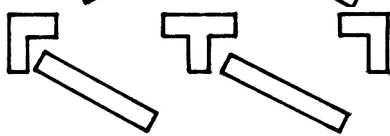
LTR



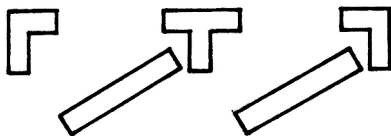
RTL



LTL

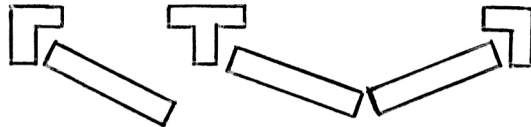


RTR

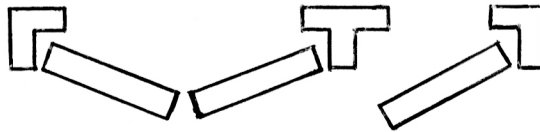


Three Panels

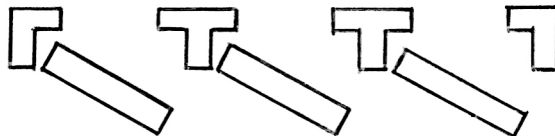
LTLR



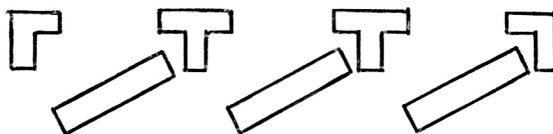
LRTR



LTLTL

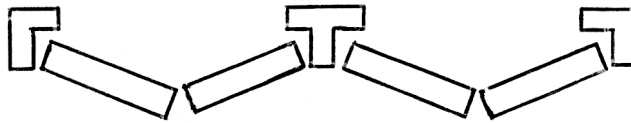


RTRTR

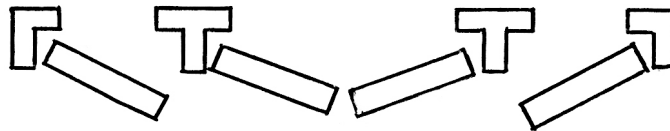


Four Panels

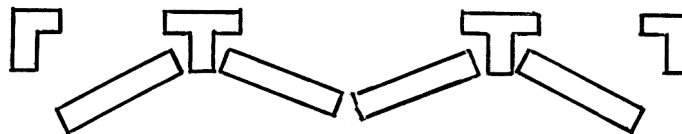
LRTLRL



LTLRTR

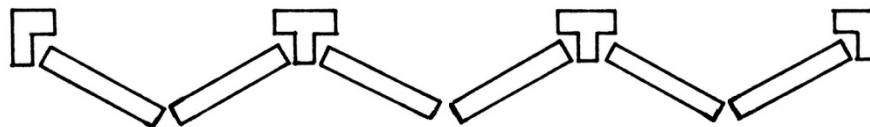


RTLRTL



Six Panels

LRTLRTLRL



Other configurations can be used depending on:

- The number of panels required and
- The function for each opening.

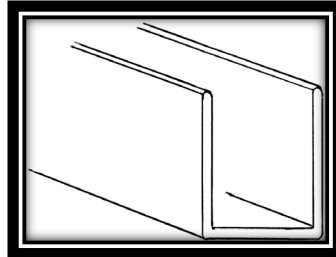
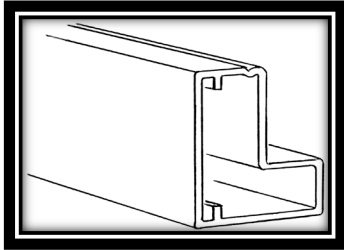
Note: Aluminium panels are only available with standard rectangular Stiles, so where two hinged panels meet it is recommended to order a section of angle (20mm x 12mm) (H) to screw/ rivet the side of one of the stiles to eliminate the clearance gap between the two panels.

6.2 Framing for Hinged Panels

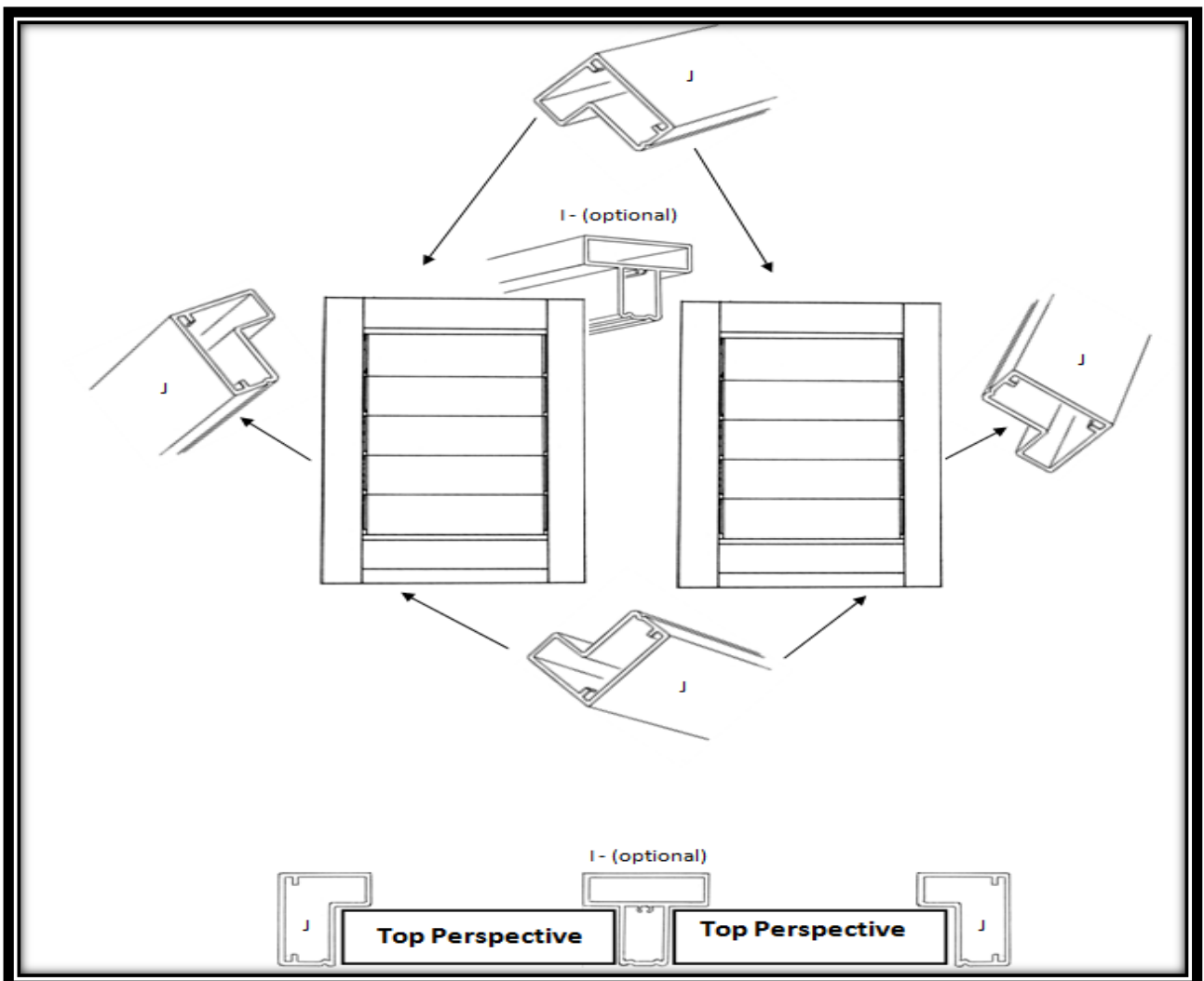
Inside Mount

- Frames are useful for most reveal fit applications, they give you the ability to hang the shutter panel square in the frame. Instead of directly hinging the panel to an out of square opening.

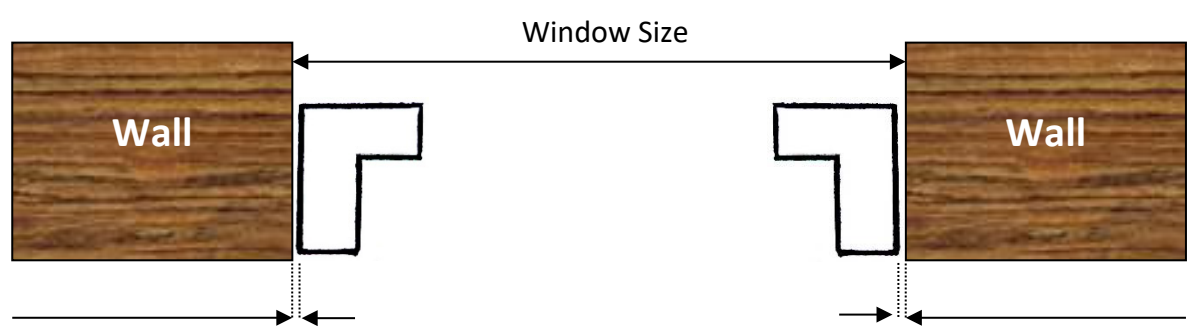
Inside Fit Framing Options



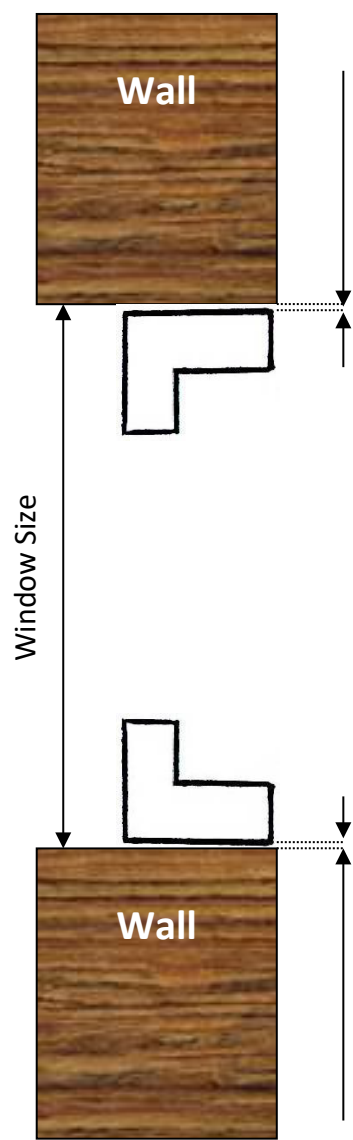
- L Frame is screwed to the side of the reveal.
- It is important to pack out any framework to ensure it is square.
- U Chancel can be ordered to build out the frame if required. This must be ordered in the Extras Required section on the order form



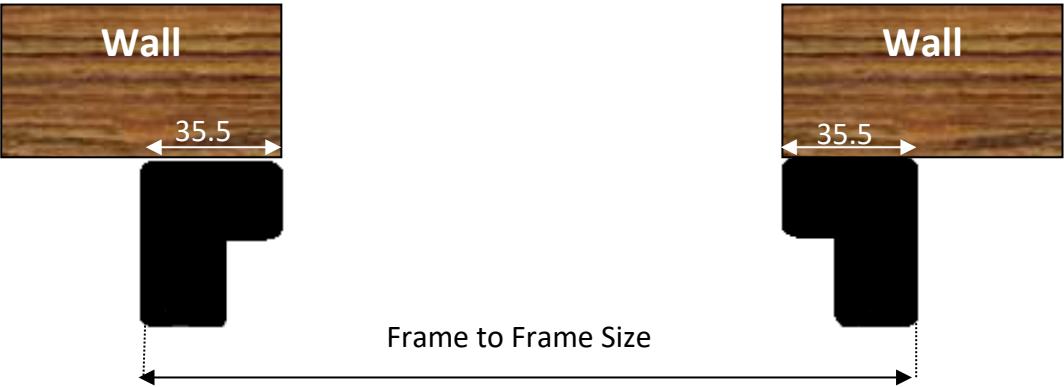
L Frame Inside Mount (Top View)



L Frame Inside Mount (Side View)

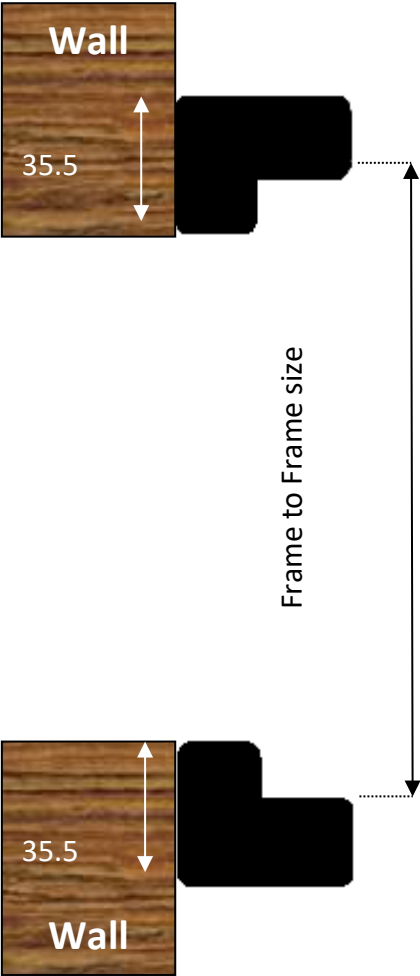


L Frame Outside Mount (top view)



NOTE: No deductions are made for Face Fit applications.

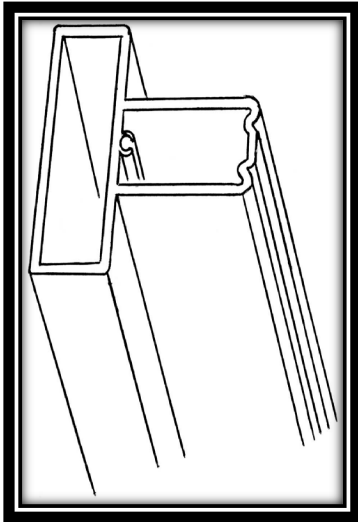
L Frame Outside Mount (side view)



7. Extra Framing for Hinged Panels

T Posts

- Used when more than two panels may be required in an opening.
- You can specify where you require the T Post to be situated. Even sized panels are recommended.



Please Note:

T Section for Hinged when ordering please specify the quantity and length on the order form.

T/H Post Quantity	1st Post
1 T	500

8. Fixed Removable Panels

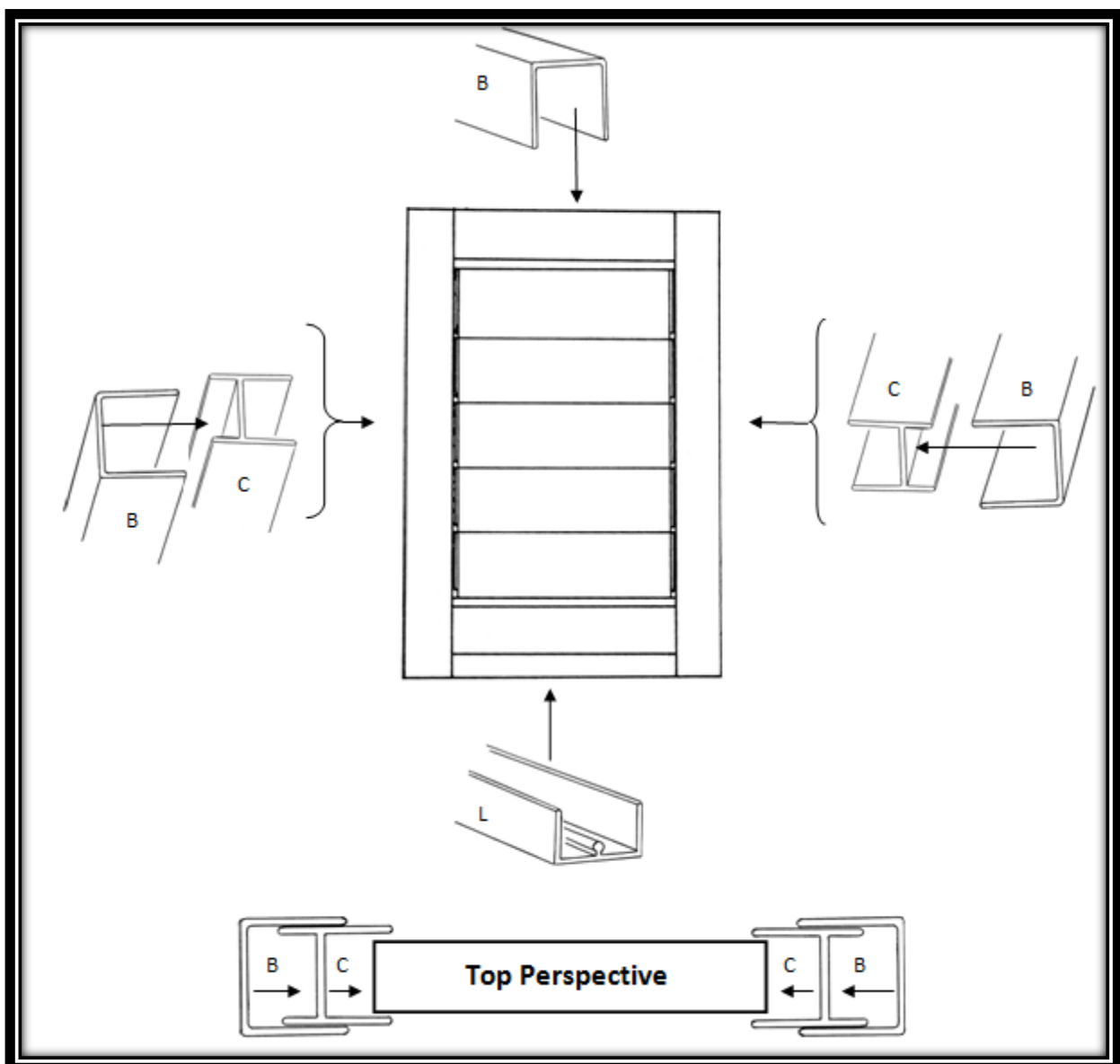
The best mounting method for Fixed Removal Panels is by using a U Channel at the top and bottom (like a flyscreen type). You can also mount these shutters in a Vertical application this image can be found in Mounting Methods [Fixed Removable Panels](#).

Please refer to the [Mounting Methods Reference Chart](#) for Fixed Removable Panels minimum and maximum dimensions.

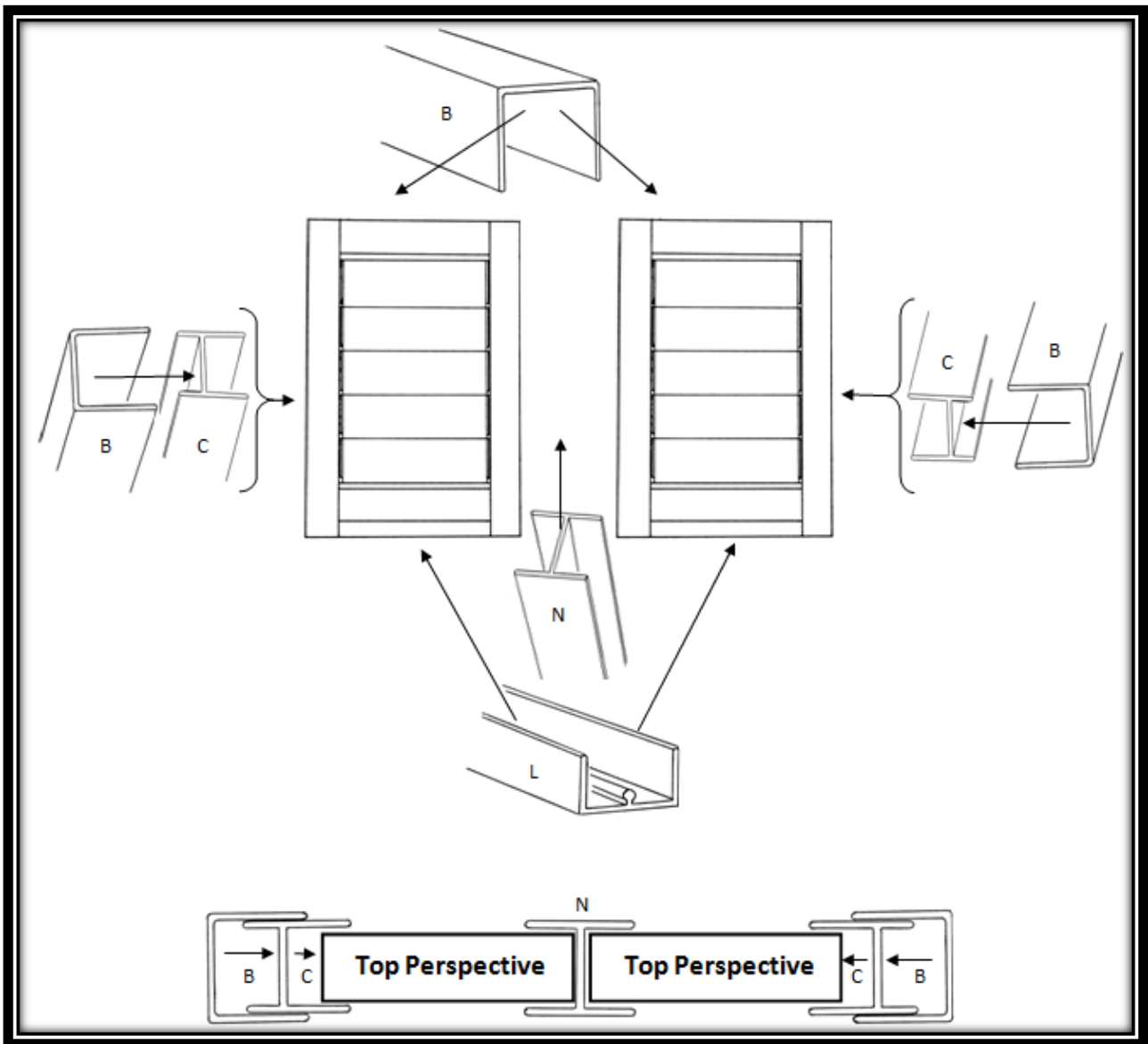
Please note:

1. All Channels will be cut 50mm longer so the fitter can adjust on site.
2. For out of square situations extra channels can be ordered, please see the following pages for examples.
3. If extra channels are required please order these in the Extras required section of your order form.

Single Panel example:

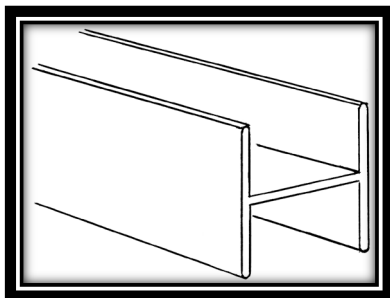


Double / Multiple Panel example:



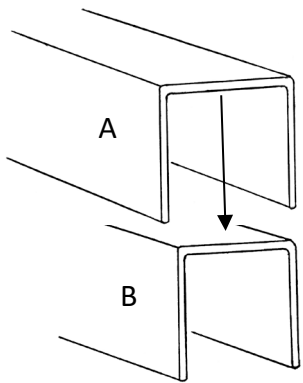
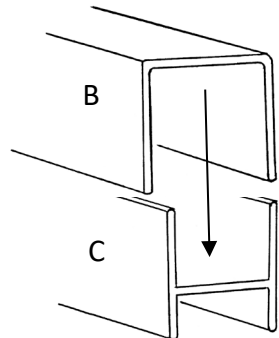
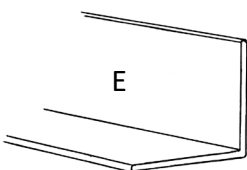
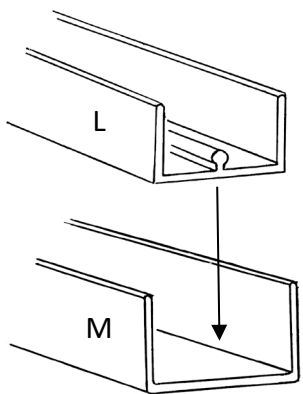
Please Note:

H Section for Multiple Panels when ordering please specify the quantity and length on the order form.



m	T/H Post Quantity	1st Post	2nd Post	3rd Post
	1H	500		

8.1 Out-Of-Square Window Solutions

CHANNEL	CODE	DIAGRAM	DESCRIPTION	DIMENSIONS
TOP	A and B		Extra Large U Channel	41.6mm x 42.2mm
			And Large U Channel	And 38.2mm x 40mm
SIDES	B and C		Large U Channel	38.2mm x 40mm
			And Off Set H Section	And 34.2mm x 40mm
		OR		
	E		Angle 1	40mm x 40mm
BOTTOM	L and M		Bottom Track with pip	38.2mm x 25mm
			And Large Bottom Track	And 42.2mm x 26.6mm

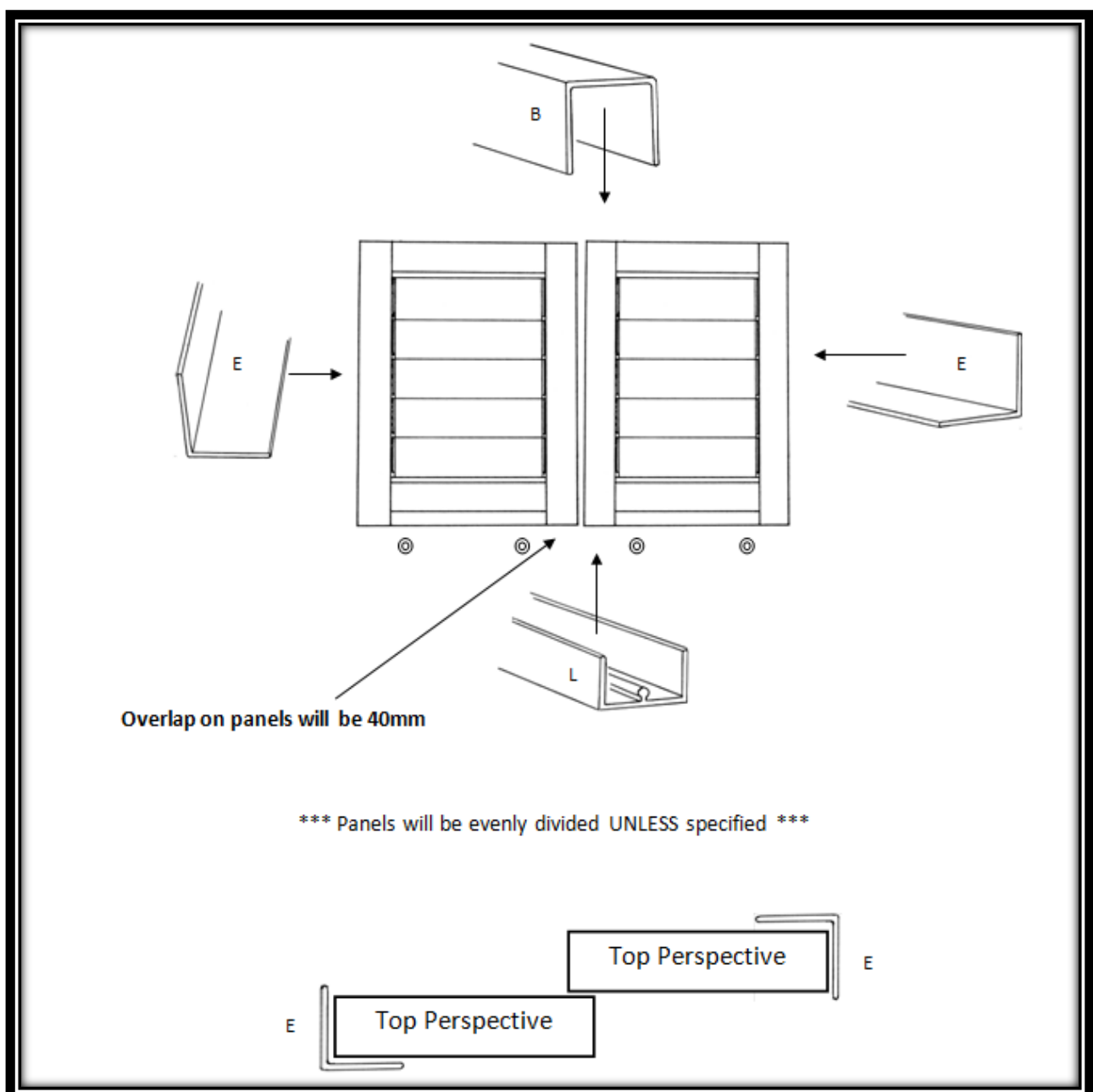
[illegible]

9. Sliding Panels

Please refer to the [Mounting Methods Reference Chart](#) for Sliding Panels minimum and maximum dimensions.

Please Note:

1. The overlap on the panels will be 40mm.
2. Panels will be divided evenly UNLESS specified.
3. All channels will be cut 50mm longer so the fitter can adjust on site.
4. For out of Square situations extra channels can be ordered, please see the following pages for examples.
5. If extra channels are required please order them on the Extras required section of the order form.



9.1 Layout Codes for Sliding Panels

Below are some examples of Sliding configurations.

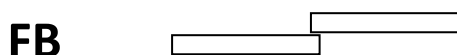
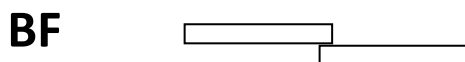
- 'B' Back – meaning the panel is placed on the back track.
- 'M' Middle – meaning the panel is placed on the middle track (only when 3 tracks are required). These Panels these will ONLY slide in the **CLOSED** position.
- 'F' Front – meaning the panel is placed on the front track.

Configuring Sliding Panels

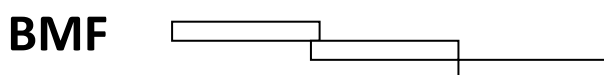
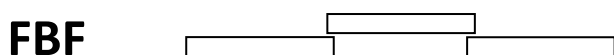
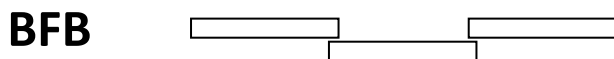
Layout codes:

- 'B' Back – meaning the panel is placed on the back track.
- 'F' Front – meaning the panel is placed on the front track.
- 'M' Middle – meaning the panel is placed on the middle track.

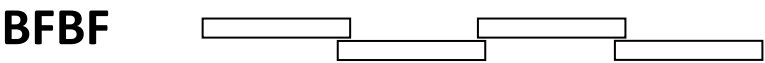
Two Panels



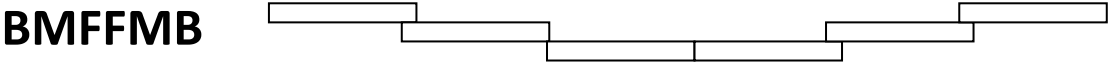
Three Panels



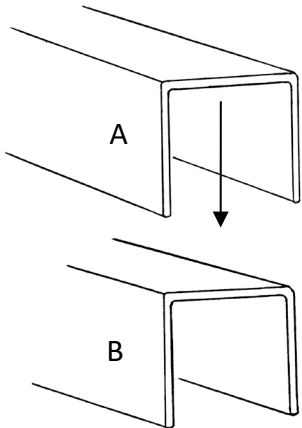
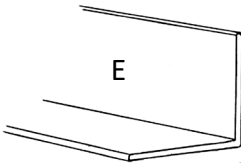
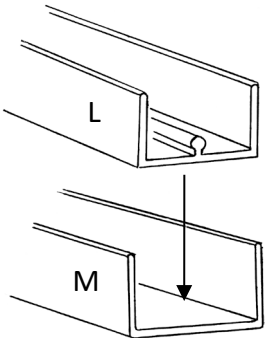
Four Panels



Six Panels



9.2 Out-Of-Square Window Solutions

CHANNEL	CODE	DIAGRAM	DESCRIPTION	DIMENSIONS
TOP	A <i>and</i> B		Extra Large U Channel <i>And</i> Large U Channel	41.6mm x 42.2mm <i>And</i> 38.2mm x 40mm
SIDES	E		Angle 1	40mm x 40mm
BOTTOM	L <i>and</i> M		Bottom Track with Pip <i>And</i> Large Bottom Track	38.2mm x 25mm <i>And</i> 42.2mm x 26.6mm

9.3 Shutter Hardware for Sliding Shutters



10. Hardware and Extra Timbers

10.1 Blade Pins/ Spring Pins



Custom made from nylon for a superior operation and longevity.

10.2 Hinges



Stainless Steel Hinge as above is used in all Aluminium Shutters.

10.3 Extra Extrusions and Parts List

Please see below for a summary of the extra's that can be ordered:



DESCRIPTION	SPECIFICATIONS	MATERIAL	MAXIMUM LENGTH
Angle Profile	20mm x 12mm	OPC Aluminium	6000mm
	25mm x 20mm		
	40mm x 20mm		
	40mm x 40mm		
U Channel Profile	41.6mm x 42.2mm	OPC Aluminium	
	38.2mm x 27mm		
	40mm x 25mm		
Off Set H Section	34.2mm x 40mm	OPC Aluminium	
Std H Section	34.2mm x 40mm	OPC Aluminium	
T Post	50mm x 50mm	OPC Aluminium	
L Frame	50mm x 35mm	OPC Aluminium	
Stile	60mm x 30mm	OPC Aluminium	
Large Bottom Track	42.2mm x 26.6mm	OPC Aluminium	
Bottom Track with Pip	38.2mm x 25mm	OPC Aluminium	

Any additional extra's required **must** be noted in the **Extra's Section** of the Order Form.
Please see example below;

Extra's Required																
Item #	A Extra Large U Channel 41.6mm x 42.2mm	B Large U Channel 38.2mm x 40mm	C Off Set "H" Section 34.2mm x 40mm	D Tracking 30.2mm x 27mm	E Angle 1 40mm x 40mm	F Angle 2 40mm x 20mm	G Angle 3 25mm x 20mm	H Angle 4 20mm x 12mm	I T Post 50mm x 50mm	J L Frame 50mm x 35mm	K Bottom Inset Track With Plastic Inset 36.2mm x 23.4mm With 22mm x 14mm	L Bottom Track With Pig 38.2mm x 25mm	M Large Bottom Track 42.2mm x 26.6mm	N Std H Section 34.2mm x 40mm	O Sole 60mm x 30mm	P Stainless Steel Hinge Quarter
1																
2																
3																

11. Locks

OPC Aluminium Shutters are able to be locked, with two different options depending on your requirements and application.

DIAGRAM	DESCRIPTION
	Flush Bolt Lock Can be used on Hinged & Sliding.
	Handle Lock Can be used on Hinged Doors. <i>**Handle Locks are no longer supplied with External Shutters**</i> We can supply the panels with the cut-out already made but this needs to be requested on the order form. The handle locks can be sourced from https://www.lincolnsentry.com.au Product code: 3120104

Additional Hardware	
Quantity	Item
	Bottom Guide
	Bottom Pivot
	Bottom Wheel
	Bottom Wheel Connector
	Floor Bracket
	Flush Bolt Lock
	Handle Lock

11.1 Flush Bolt Lock

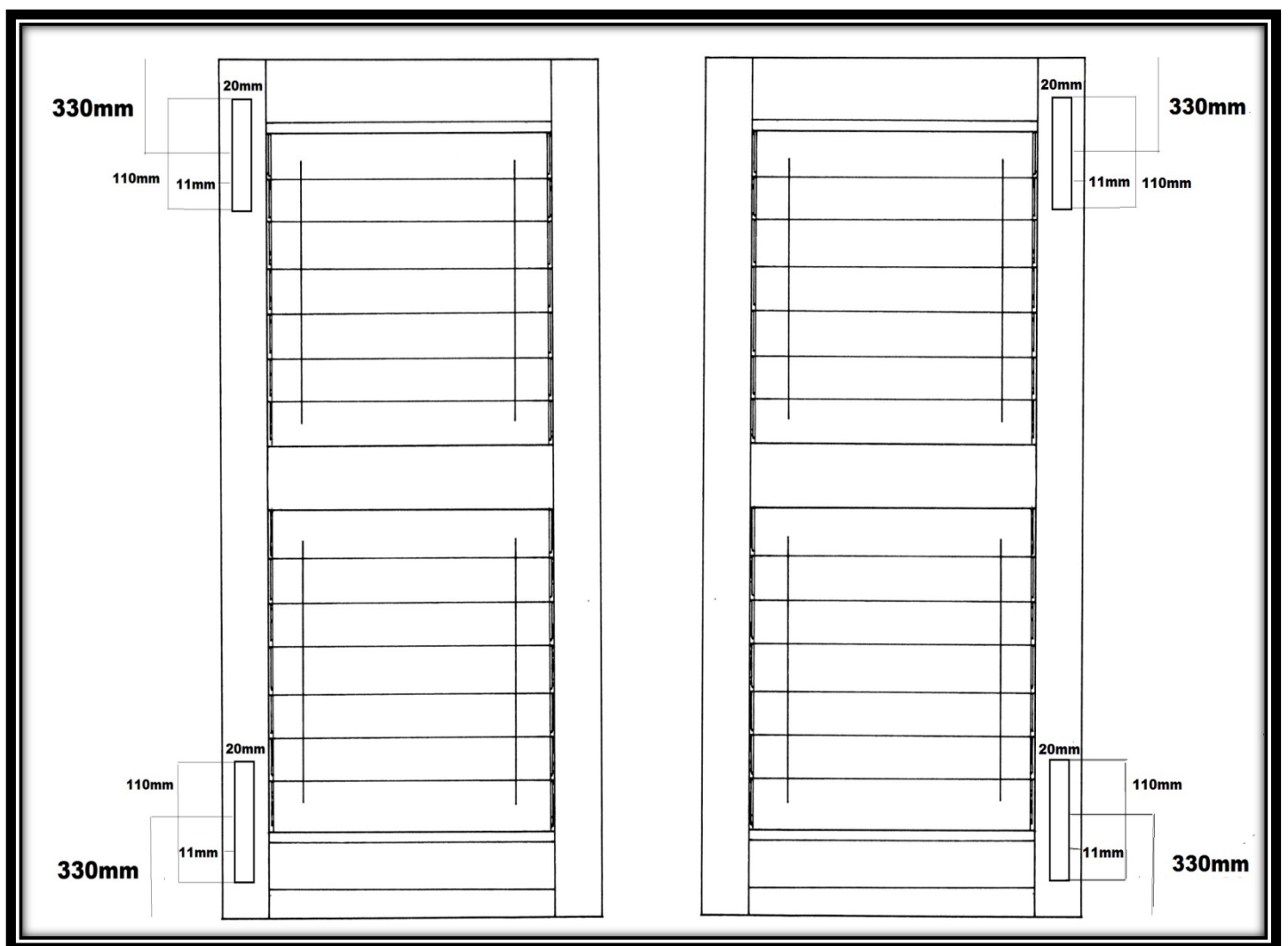
Flush Bolt Locks are available for Hinged and Sliding Doors.

We recommend using both top and bottom Flush Bolts for areas where there is a high wind load, Please note that there is a minimum panel height of 830mm when ordering this.

Left Opening Panels will have Flush Bolts placed on the Left Stile of the relevant panels.

Right Opening Panels will have Flush Bolts placed in the Right Stile of the relevant panels.

Please ensure you order the locks in the specific section of the order form.



Please Note: All Flush bolts are single operating actuating rods therefore two individual flush bolts are required to lock both the top and bottom of the panels.

11.2 Handle Locks

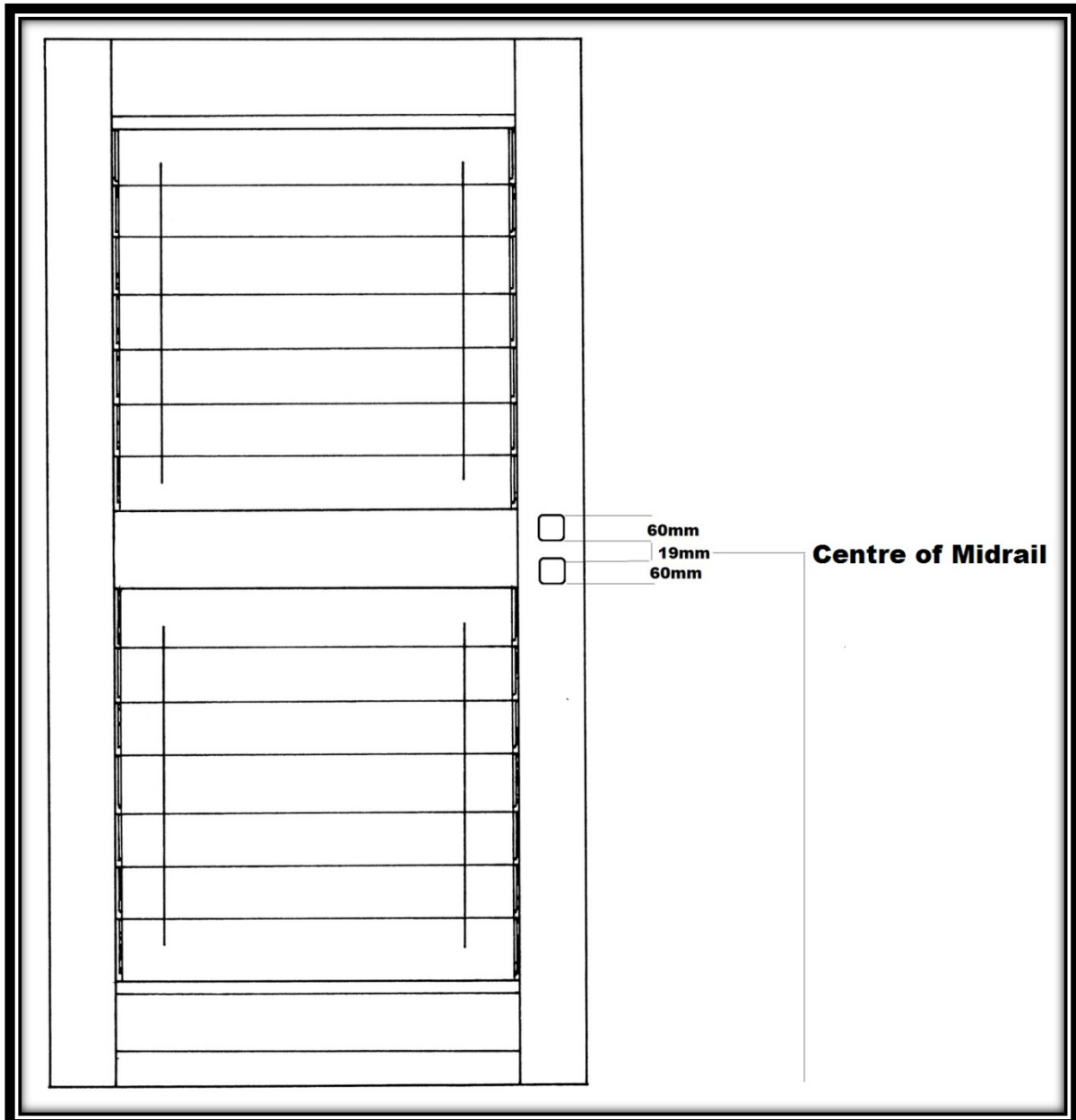
Handle Locks are only used on hinged doors, they can only be positioned where the mid rail is.

Handle Locks are **not** supplied with our Aluminium External Shutters.

You can request for the panels to be supplied with the cut-out for the handle locks, this will need to be specified on the order form.

Handle Locks can be sourced from <https://www.lincolnsentry.com.au>

Product code: 3120104



12. Sales Aids

12.1 Swatches

Aluminium Swatch

\$POA per set



An electronic Sales Aids order form is available, please email shutterorders@pacificwholesale.com.au and request a Sample Swatches order form to be emailed today.

13. Shutter Remake Process

In the event of Shutter Panels, Frames or Parts being received damaged the following information must be emailed to shutterorders@pacificwholesale.com.au

1. Copy of the original order form.
2. A new order form, clearly showing the shutter(s) that need remaking. Please specify that the order is a **remake** – failure to do so may result in the original order being placed as a new order at full charge.
3. A detailed description specifying exactly what the concern is and exactly what panels/frames etc. need remaking. Failure to clearly specify this information may result in a longer lead time. More often than not the fastest solution to rectify a concern is to order the parts only required e.g. Louvre Blades and Pins, Framing Section etc.
4. Supporting photographs illustrating any concerns. For example – if the panels/frames supplied were too short, photographs to show a tape measure being held against the panels/frames, to clearly illustrate the size they were supplied at are required, as shown below.



14. Care and Maintenance

Cleaning and Care

The surfaces of the OPC Aluminium Shutters will collect a layer of dust over time. Normal and regular dusting with a soft damp cloth will remove this build up.

If further cleaning is required then wash with mild soap (mild household dishwashing liquid), water and a soft cloth. Ensure the surfaces are then dried off with a soft cloth.

For stubborn dirt and stains use a mild, water-based household cleaner only.

CAUTION:

Never use harsh cloths, harsh abrasives, chlorine or ammonia based chemicals or cleaners on the OPC Aluminium Shutter surfaces as they may affect the surface appearance and longevity.

15. Shutter Questions and Answers

Q: Panel sizes?

A: Panel sizes will vary depending on the blade size chosen Mounting Method/Mode of Operation etc.

Q: Do I need framing for my shutters?

A: Yes, framing should always be ordered and used on shutters as a secure anchorage for the panels, for reducing light penetration, and to assist in compensating for out of square openings.

Q: When do I need a T Post?

A: When more than one panel is used in a window opening and the T Post is used to hinge a panel

Q: Why can't my mid rail be at the height I have requested?

A: **We recommend ordering a Mid Rail location as "Critical Mid Rail" in the Special Comments, as the factory has a (MAA) Mid Rail Adjustment allowance of 40mm up or down, if "Critical Mid rail" has not been specified in the Special Comments.**

Every effort will be made to have the mid rail placed in the exact position requested but there can be some variances depending on the height of the panels

Q: Why can't I have two mid rails critical?

A: Shutters over 2500mm high will require two mid rails, however only **one** of those mid rails can be specified as "**Critical Mid rail**" – please note this on the order form, in the **Special Comments**.

Every effort will be made to have the "**Critical Mid rail**" mid rail placed in the exact position requested, however the second mid rail cannot be Critical as the overlaps and increments for every blade location have to be exact, so the second mid rail height will vary depending on the height of the panel and the amount of full blades required and whether or not the top and bottom rails have the Aluminium Insert Reinforcing.

Q: Do I need a bottom track on Sliding Shutters?

A: Yes, they should always have a bottom track for efficient operation and longevity.

Q: Do I need pictures of faulty goods?

A: Yes, as these are vital facts which the factory require to support your claim, and they also help to establish what needs to be replaced in order to achieve a quick resolution

Q: Do you need the goods back once we have replaced them?

A: Not unless requested by Pacific.

Q: What's my lead time on shutters?

A: Between 6 and 8 weeks from order confirmation (i.e. once all information received on the order form is correct and complete without further questions).

16. Shutter Range Reference Chart & Mounting Methods Reference Chart

Please refer to the following page



Shutter Reference Chart

Material		Aluminium	
Shutter Range		Aluminium External™	
Selling Features		Great Range With Sliding Options Solution For Outdoor Applications Waterproof Powder-Coated Finish	
		Material	
Material		Strong T5 Aluminium Construction	
		Advantages	
Fire Retardant		✓	
Termite Proof		✓	
Repels Moisture		✓	
High Tensile Coatings Will Not Crack Or Peel		✓	
Colour	Finish	Colour Options	
Black	Powder Coat	✓	
Pearl White		✓	
		Blade Types	
Blade Shape		Elliptical	
Size		Blade Sizes	
89mm		✓	
Tiltrod		Tiltrod Types	
Centre		✗	
Hidden		✓	
Off-Set		✗	
Rack & Pinion		✗	
		Panel Heights	
Minimum Panel Height		400mm	
Maximum Panel Height		3000mm	
Midrail Required Over		1800mm	
		Panel Widths	
Minimum Panel Width		300mm	
Standard Panel Width (Maximum)		900mm	
Over Standard Panel Width For 89mm Blades (Maximum) With Hinged, Fixed, Sliding Mounting Options Only		900mm	
		Maximum Panel Widths - By Mounting Method	
Maximum Panel Widths - By Mounting Method		Please Refer Next Page	
		Rail Profiles & Hinge Sizes	
Top & Bottom Rail		Standard Profile	
Hinge Size		Standard 77mm	
		Special Options Available	
Shaped Shutters		✗	
Door Cutouts		✗	
Bay Windows		✗	
Corner Windows		✗	
Fluffy Strip Stile		✗	
Pivot Hinged Panels		✗	
Lockable		✓	
Motorised Option		✗	
Suitable For Wet Areas		✓	
Notes:			

Shutter Mounting Methods Reference Chart

Options		Hinged Panels	Fixed Removable Panels	Sliding Panels
Recommended Applications For Use		Windows	Fixed Glass Windows Wall Cut-Outs	Room Dividers Doorways
		Allowances		
Recess Fit (IN)		✓	✓	✓
Face Fit (OUT)		✓		✓
Width	Product	Panel Widths		
Minimum Panel Width	Aluminium External	300mm	300mm	300mm
Maximum Panel Width	Aluminium External	900mm	1500mm	1350mm
Maximum Panel Width - Combo Panels	Aluminium External	N/A	N/A	N/A
		Panel Heights		
Minimum Panel Height	Aluminium External	400mm	400mm	400mm
Maximum Panel Height	Aluminium External	3000mm	3000mm	3000mm
		Framing Options		
Large U-Channel (B)	Aluminium External		✓	✓
Off-Set H Section (C)			✓	
Tracking (D)				
Angle 1 (E)			✓	✓
L Frame (J)		✓		
Bottom Insert Track With Plastic Insert (K)				
Bottom Insert Track With Pip (L)			✓	✓
T Post		✓	✓	
Extra Channels For Out Of Square Situations		✓	✓	✓
Extra Large U-Channel (A)	Aluminium External			Optional
Large Bottom Track (M)			✓	Optional
		Layout Code Examples		
Layout Code Example		LR LTLR RTRTR	No Layout Codes Required	BFFB BMFFMB
Layout Code Explanation			N/A	Either slide with blades open or closed, based on headboard sizes chosen. Combo Panels - 2 panels hinged together to slide as one.
Notes:				