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PlantationShutter

PLANTATION SHUTTERS

PRODUCT **MANUAL**

CW_V1_0517

CW systems PTY LTD

TABLE OF CONTENTS

2

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DESIGNED AND DEVELOPED BY **CW systems**

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PLANTATION SHUTTERS

ultra 20 advantage is the flexible functionality along with the highest insulation rating of any window covering product. Our shutters will give additional resale value to your home and timeless grace.
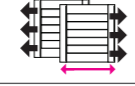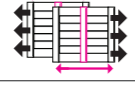
ultra 20 Shutters blend the strength, stability and precision of man-made materials with the beauty, character, and elegance of real wood giving you the freedom to meet any challenge in the home. Suitable for living spaces, bedroom and wet areas such as kitchens and bathrooms.

- · Controls light, views and privacy
- · Material engineered to the latest technologies
- · Energy Efficient 70% better insulation than timber
- · Low Maintenance easy to clean
- · Fire retardant NFPA 701 Certified
- · Will not absorb moisture, suitable for wet areas
- · Aluminium inserts for increased strength and stiffness
- · Hypoallergenic

CUSTOM SHAPES AVAILABLE

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PANEL SPECIFICATION

GENERAL INFORMATION		
SPECIFICATIONS		
Hinged panel (Max width standard)		914mm
Bi fold panel max width (with track)		600mm
Double hinged max size per pair of panels		914mm 1.35m²
Sliding panels max width		914mm
Sliding panels with centre stile max width		1250mm
Max panel height		2700mm
Mid-rail required panels over height		1600mm
Second Midrail required		2400
Shortest possible panel - (check with us for blade quantity)		260mm
Narrowest possible panel		200mm
Clear View Tilt Rod Max Length		1500mm

*"Mid rails are recommended on all Ultra20 panels higher than 1600mm, the absence of mid rails may cause issues with closure particularly on wide double hinged panels. (LL or RR). Please also be advised that sagging on panels over 1600mm in height with no mid rail is not covered by warranty as this is outside of the specified product guidelines and intended product use. "

COLOURS RANGES

Standard Paint Colours

Special Colours (*surcharge applies)

202 Polar	02 Bright White	03 White	003 Cream	006 Chalk	009 Bristle Quarter

Standard Paint Colours

Special Colours (*surcharge applies)

301-Phantom	302 - Moonlit	303 - Lunar	304 - Armory

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BLADE SHAPE AND SIZES OPTIONS

SCALE 1:1 WHEN PRINTED AT 100%

11
63

11
89

11
114

11mm Elliptical Blade

11
63

11
89

11
114
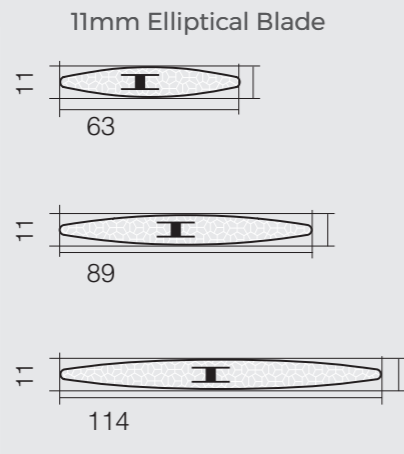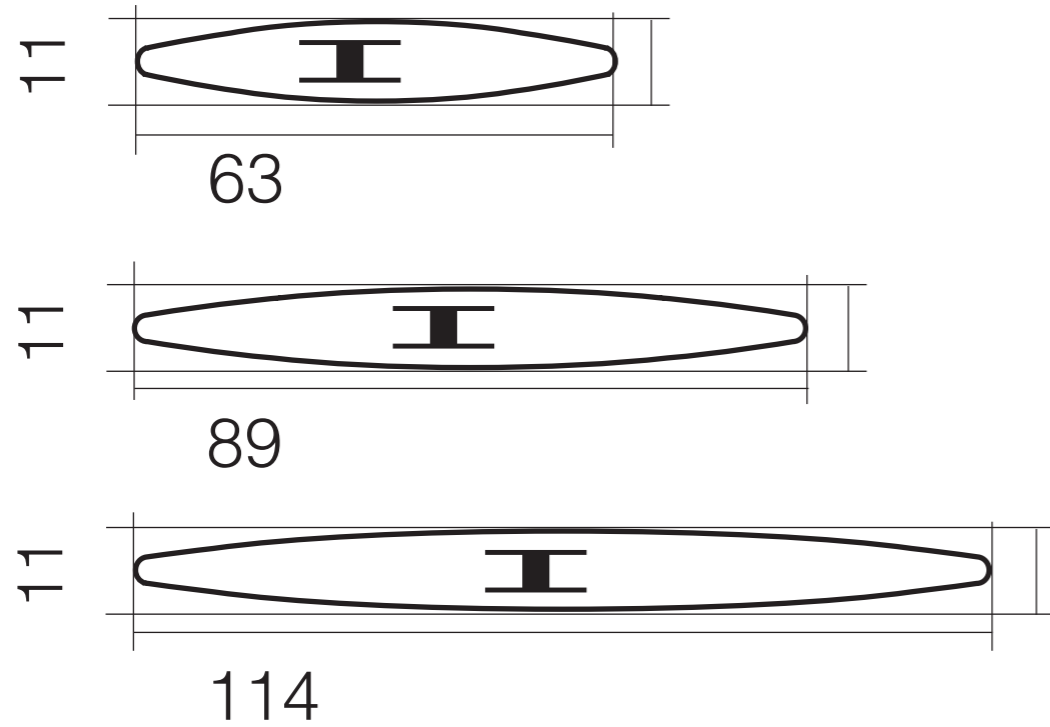
All Blades are reinforced with Aluminium Inserts

TILT ROD OPTIONS
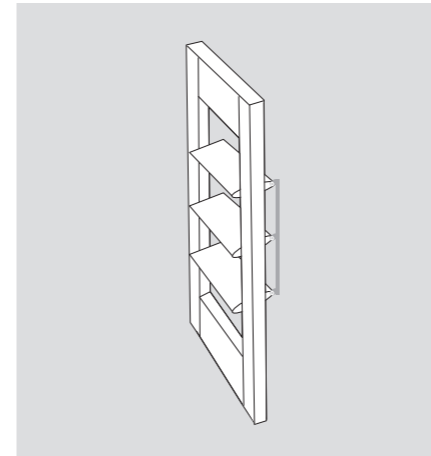
Clearview

Clearview tilt is a discreet aluminium rod that connects the louvres. Clearview tilt allows for the most adjustment in the closure of the louvers and is the easiest to service. The tiltrod is on the hinge side (unless requested otherwise). Any panel span over 1200mm in height will be split automatically (unless requested otherwise). The max possible span is 1500mm.
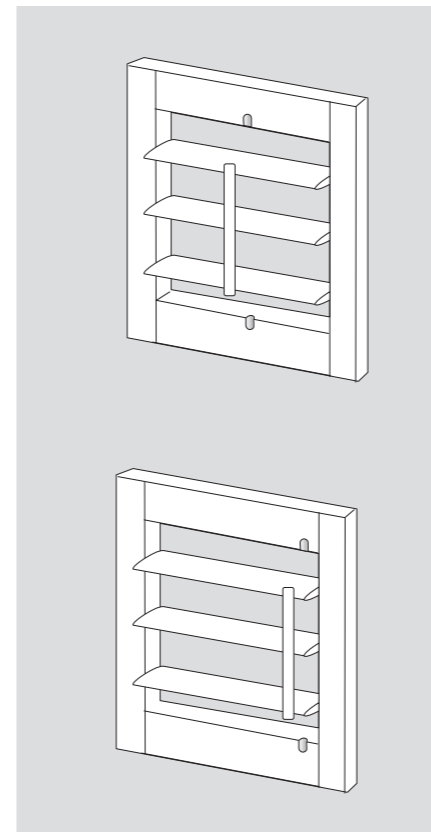
Centre tilt

Centre tilt is connected to louvers by stainless steel staples on the front of the panel. Centre tilt can span the max the panel can without a mid rail. The Tilt rod is generally in the centre of each panels.

Offset Tilt

Offset Tilt operates the same as Centre tilt only the tiltrod is installed 50mm in from the edge of the blade on the hinge side (unless requested otherwise).

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SHUTTER MARKING - **FRAMES**

- Frames to be marked in the mitres or on ends of each end of the frame piece.
- PIC# - Line# - Window# - Corner# is to be marked in ink.
- Starting with Corner 1 in the bottom right hand corner of the frames increasing the number going clockwise around the shutter.
- Window and Line number increase just like the panels do.

Example

486-1-1-3   486-1-1-4

486-1-1-3   486-1-1-4

486-1-1-2   486-1-1-1

486-1-1-2   486-1-1-1

HINT ?
Be sure to match the stamped number on the frames when assebling.

STILE OPTIONS

FLAT

D Mould Stile - Flat

Square Stile - Flat
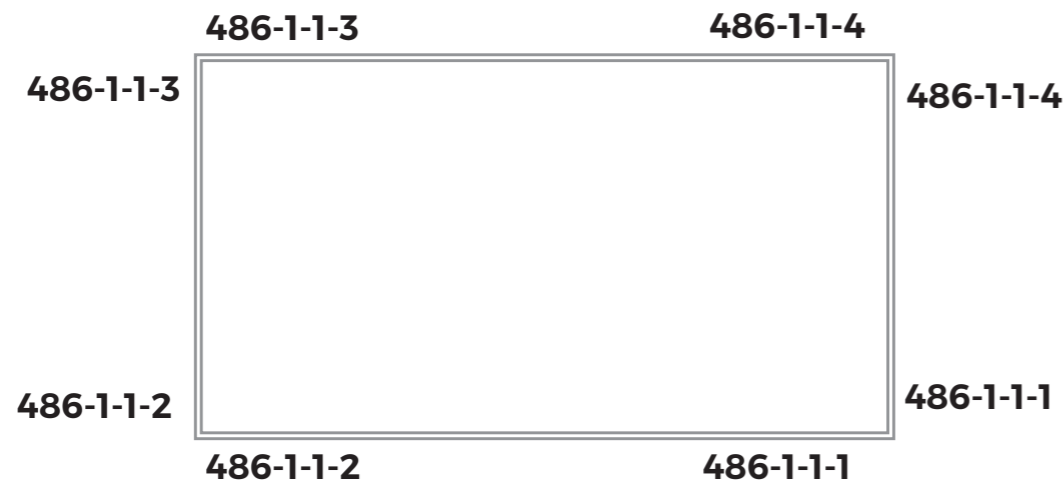
Rabbet Stile - Flat

BEADED

D Mould Stile - Beaded
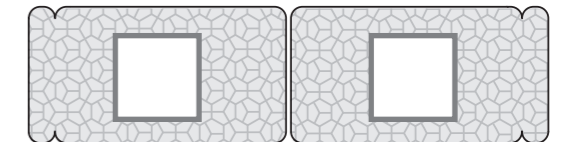
Square Stile - Beaded

Rabbet Stile - Beaded

51

51mm

Hint: Right open first...

When 2 panels are meeting together the default, for both D-mould and Rabbet stile, is to have the Right panel open first.

Enter Layout Code

Layout Code: LRTLR

1st T   1200

By default right panel will open first on LR pairings, check boxes below to change to left panel opening first.

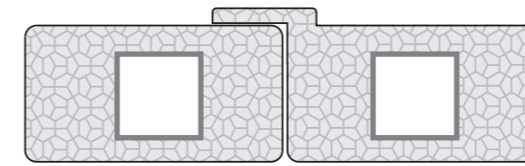1st LR: 2nd LR:
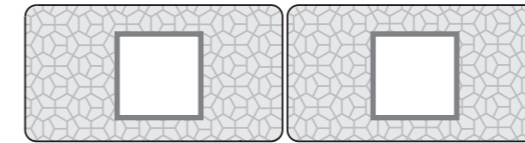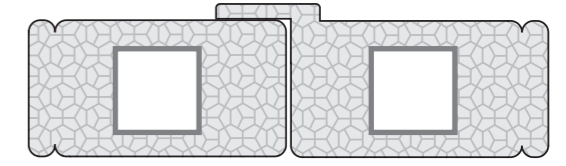
Notes:

Not confirmed
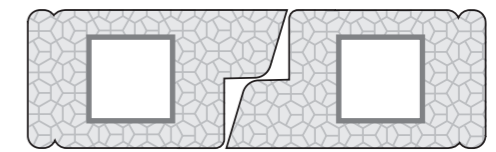
Solution....

If want the left panel to open first tick the box that appears when you type LR in the layout code.

1st LR: ☑   **2nd LR:** ☑

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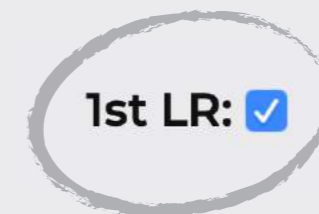
FRAMING OPTIONS

L FRAME STANDARD

25
13
47
17
38

47mm Flat L - Frame (FL10)

25
13
47
17
38

47mm Beaded L - Frame (SL10)

22
16
66
30
36

FRENCH DOOR L - Frame (FLF)
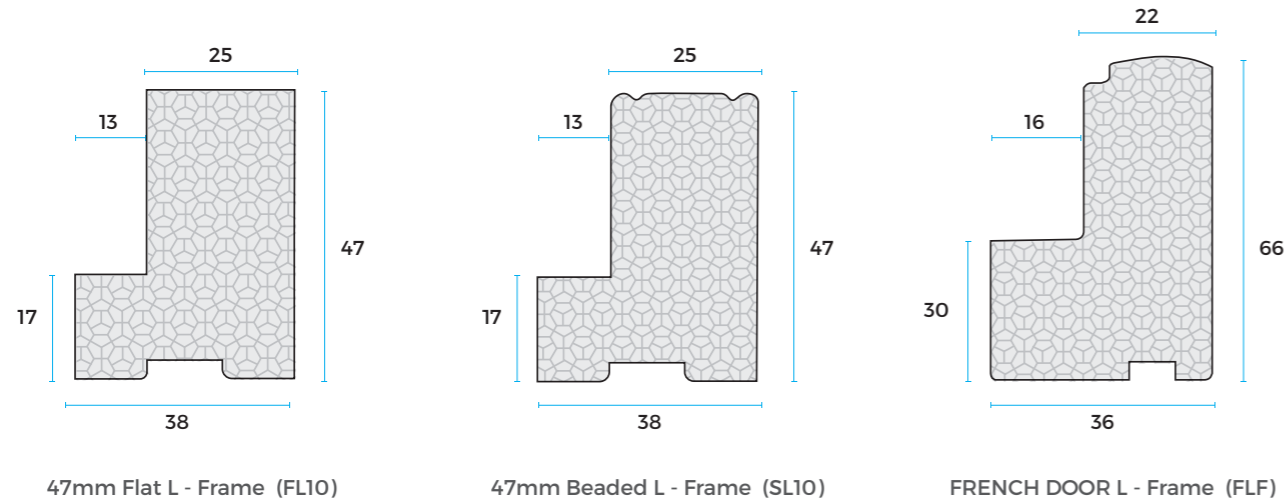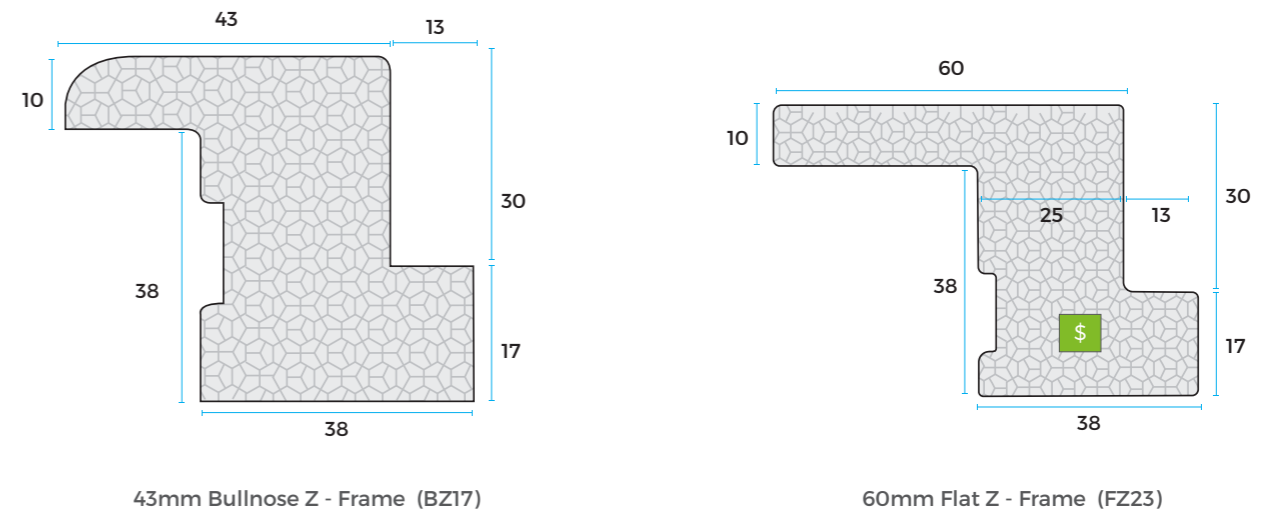
Selecting beaded stile option will automatically select beaded framing
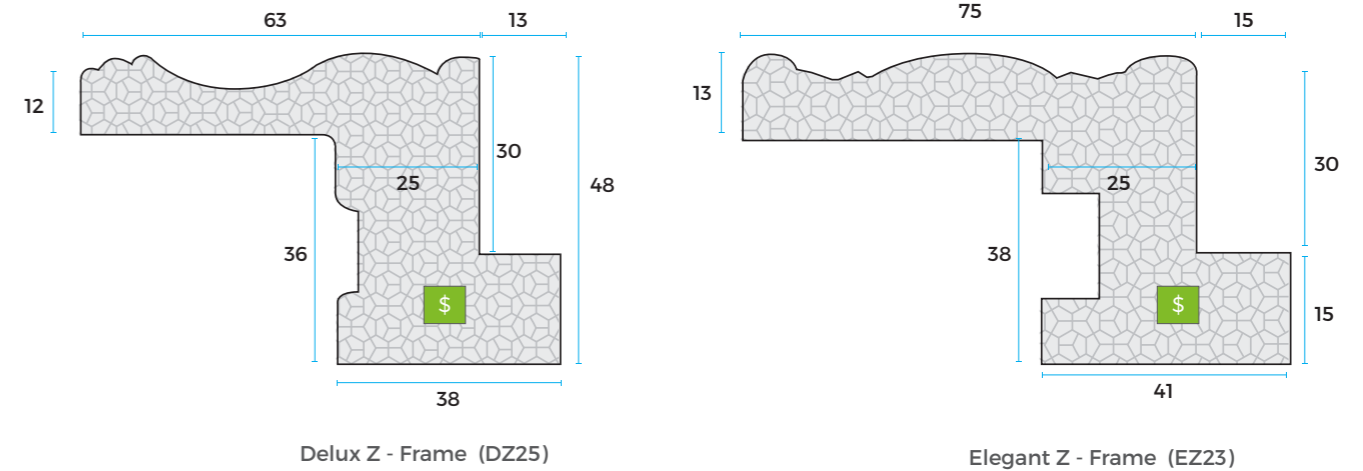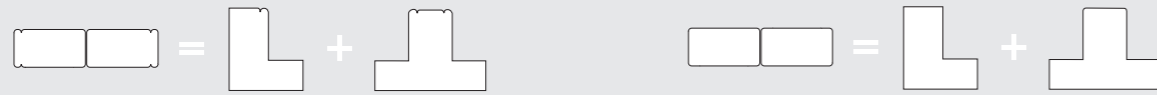
= + = +

L FRAME FACE FIT

25
13
74
44
$
38

74mm Face Fit* L - Frame (ML10)

POSTS

25
30
13   13
48
51

Beadded T-Post (ST10)

25
0
13   13
48
51

Flat T-Post (FT10)

Z FRAME STANDARD

43   13
10
30
38
17
38

43mm Bullnose Z - Frame (BZ17)

60
10
25   13
30
38   17
38
$

60mm Flat Z - Frame (FZ23)

63   13
12
30
25
36
48
$
38

Delux Z - Frame (DZ25)

75   15
13
25
30
38   15
$
41

Elegant Z - Frame (EZ23)
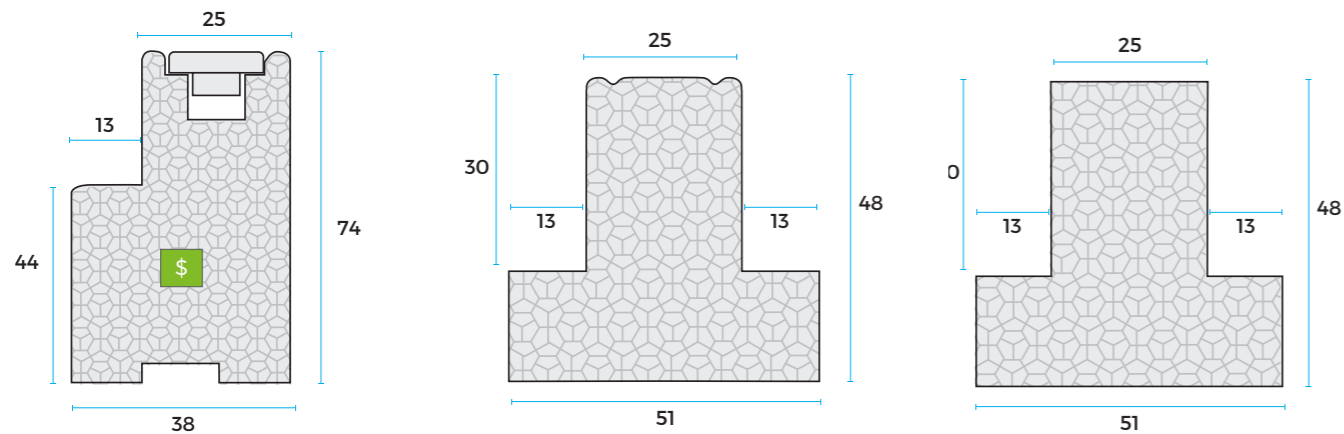
Z FRAME SILL PLATE OPTION

THIS OPTION GIVES YOU FLEXIBILITY TO ADD A Z FRAME WHEN THERE IS UNEVEN SPACE AROUND THE WINDOW.
ie WINDOW THAT FIXED AT FLOOR LEVEL

Bottom
Yes No Sill

WINDOW WITH SILL
OR OBSTRUCTION
▼

Z FRAME

NORMAL
Z FRAME
NO OBSTRUCTION
▼

SILL OPTION
Z FRAME
ACCOMMODATES
OBSTRUCTION
▼

WINDOW SILL
WALL

Z-FRAME CUT DOWN
TO A L-FRAME.

OTHER

25
U Channels
15
42

19
Light Blocks
19

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12

13
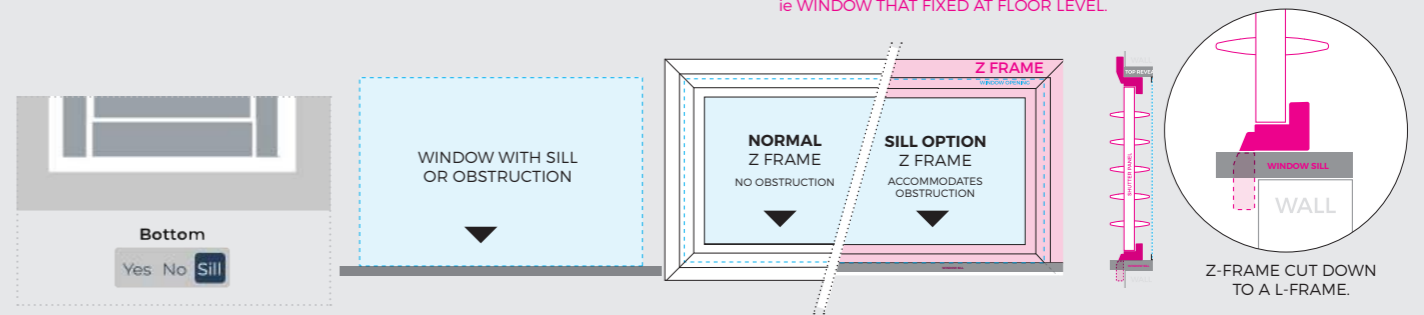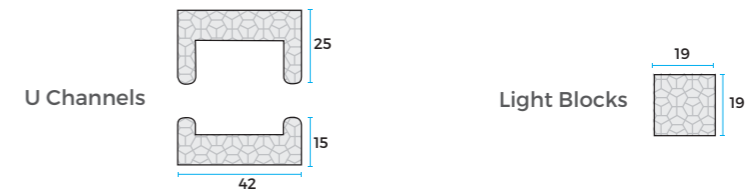
INSIDE MOUNT _MEASURING INSTRUCTIONS

Measurements to be given in millimetres (mm)

· Always measure the depth of the reveal to ensure no mullions, handles or anything else could interfere with the rotation of the blades. Check the frame depth chart for the relevant depth needed for each blade size:

Hint: Z-frame will bring the shutter panels forward ~10mm

· Always measure at least 3 places across the width and height.

   · If using an Opening Size Order Form provide the **smallest size** on the form.
   The Factory will take the deductions listed below.

   · If using a Make Size Order Form – we recommend taking the following deductions from the smallest measured size.

Mounting Method	Width Deduction	Height Deduction
Hinged in Frame (L-Frame, Z-Frame etc.)	3mm	3mm
Non Mortise Hinges without frame – 1 x panel	5mm	6mm
Non Mortise Hinges without frame – 2 + panels	6mm	6mm
Pivot Hinge without frame – 1 x panel	5mm	8mm
Pivot Hinge without frame – 2 + panels	6mm	8mm
Sliding/Bi-Folding	3mm	3mm

OUTSIDE MOUNT _MEASURING INSTRUCTIONS

Measurements to be given in millimetres (mm)

· Always measure in in at least 3 places across the width and height. Use the **Largest size** for ordering. No deductions will be taken from these sizes.

CLEARANCE REQUIRED = 83mm

114mm
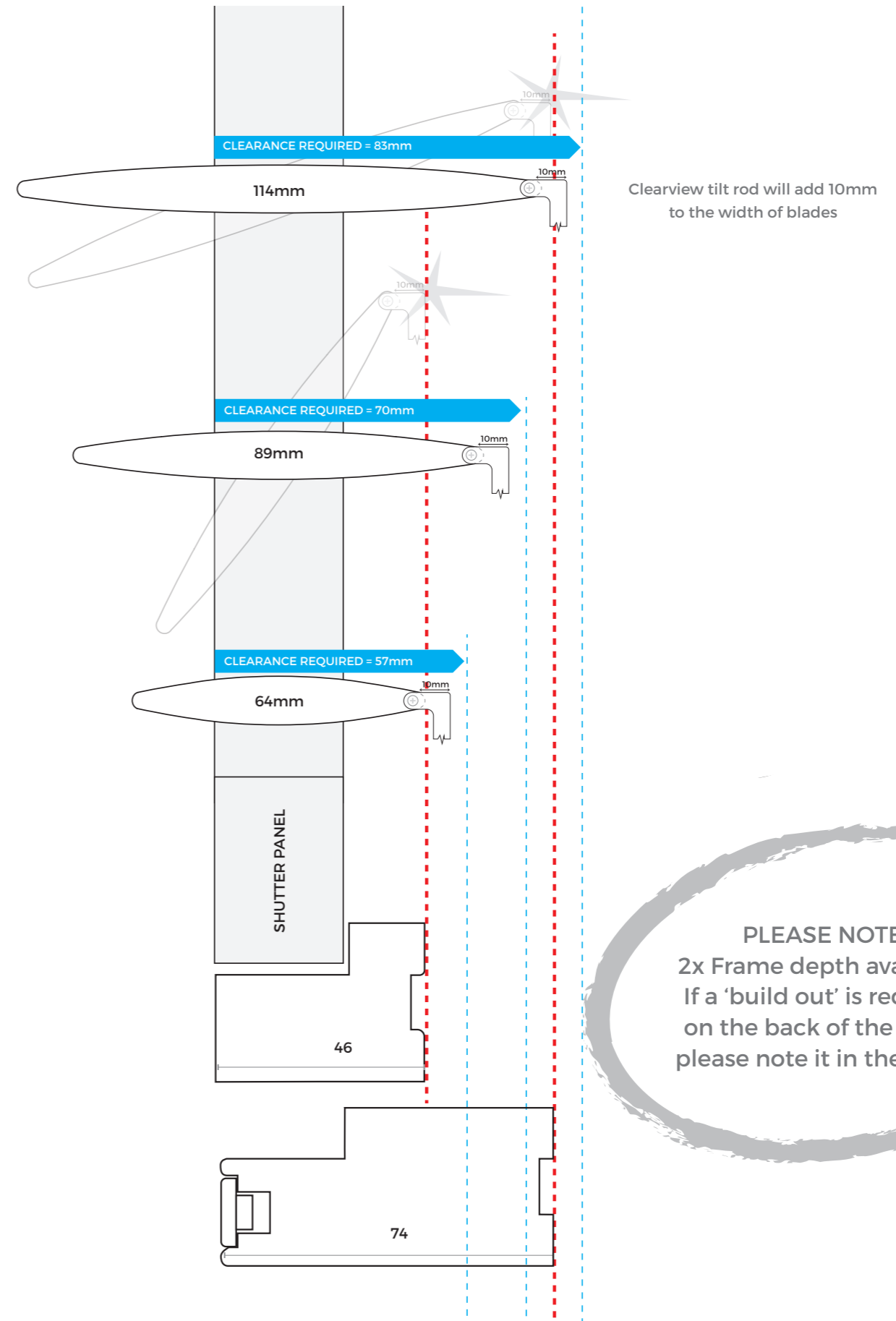
10mm

10mm

Clearview tilt rod will add 10mm to the width of blades

CLEARANCE REQUIRED = 70mm

89mm

10mm

CLEARANCE REQUIRED = 57mm

64mm

10mm

SHUTTER PANEL

46

74

PLEASE NOTE:
2x Frame depth available.
If a 'build out' is required on the back of the frame please note it in the order.

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MEASURING INSTRUCTIONS

MID RAILS

When measuring for a Mid Rail, measure from the bottom of the opening to the centre of where you would like the Mid Rail to be positioned. This will be positioned, within a tolerance of **30mm** up or down to maintain even top and bottom rails.

If your Mid Rail position is Critical, tick the box critical mid rail or mention it in the notes section on the order form 'Critical Mid Rail', this will ensure your Mid Rail to be positioned exact. Though the Top and Bottom rails may be of different size.

Note: with critical midrails CW Systems & the factory cannot be responsible for uneven Top or Bottom Rails.

Mid Rail

No mid rail ◯   1 mid rail ◉   2 mid rails ◯   3 mid rails ◯

Mid rail critical? ☐ **?**

1st mid rail height: [Enter value (mm)]   ↕

HINT ?
If you leave this blank the mid rail will be put in centre

EXAMPLE PANELS BELOW

The example below shows the same shutter 1800mm tall with a mid rail at 600mm. The standard mid rail is moved to 630mm with even top and bottom rails. With critical mid-rail it is positioned exactly at 600mm but the top rail is bigger than the bottom rail.

MID RAILS **STANDARD**

TOP RAIL

105 **EVEN** RAIL DEPTH

BLADE SPACING NOT VARIABLE

STANDARD

IMAGE GENERATED BY QuotAR™

1800

630

BOTTOM RAIL

105 **EVEN** RAIL DEPTH
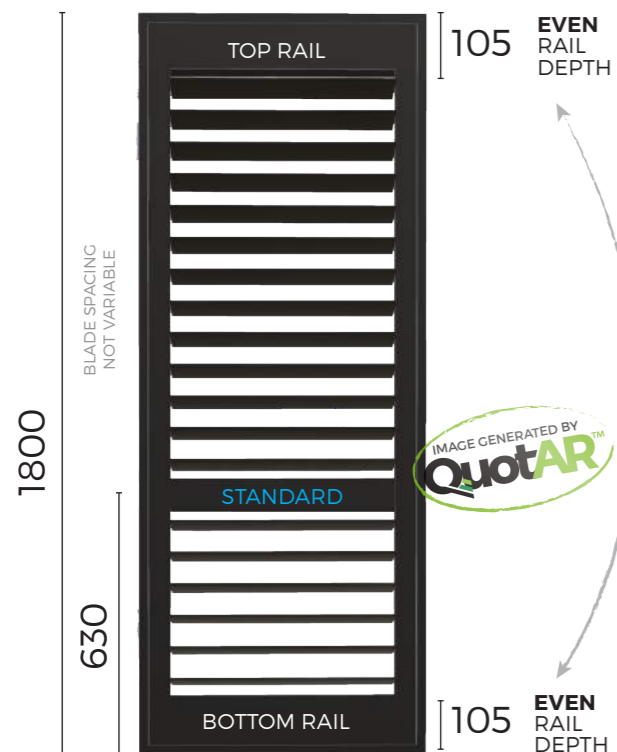
MID RAILS **CRITICAL**

TOP RAIL

135 **UNEVEN** RAIL DEPTH

BLADE SPACING NOT VARIABLE

CRITICAL

IMAGE GENERATED BY QuotAR™

1800

600

BOTTOM RAIL

75 **UNEVEN** RAIL DEPTH

CRITICAL SPECIFICATION **IN REAL TIME**

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14

UPGRADE YOUR ORDERING EXPERIENCE
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Your complete **self guided online sales order APP** with augmented reality for **shutter visualisation.**

shutter visualisation.
IN-SITU
IN REAL TIME

AR   buttons

15

GET IT ON Google Play

Available on the App Store

IMAGE GENERATED BY QuotAR™

Customer confidence by creating custom shutters, clients can visualise and you can sell, your looking smarter already...

Call for a free demonstration PLAY TODAY!
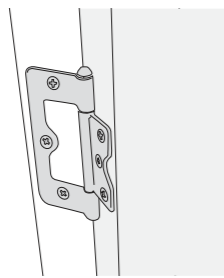
QuotAR™   DESIGNED AND DEVELOPED BY CW Systems

HINGED OPTIONS

HINGE TYPES

NON MORTISE HINGE   **PIVOT HINGE**

HINGE MOUNT COLOUR OPTIONS

Default
Hinge colour will match the Shutter colour unless stainless steel option is specified.
*surcharge applies

Match   Stainless Steel

HINGED MEASURING T POST

1800
900
450
1350
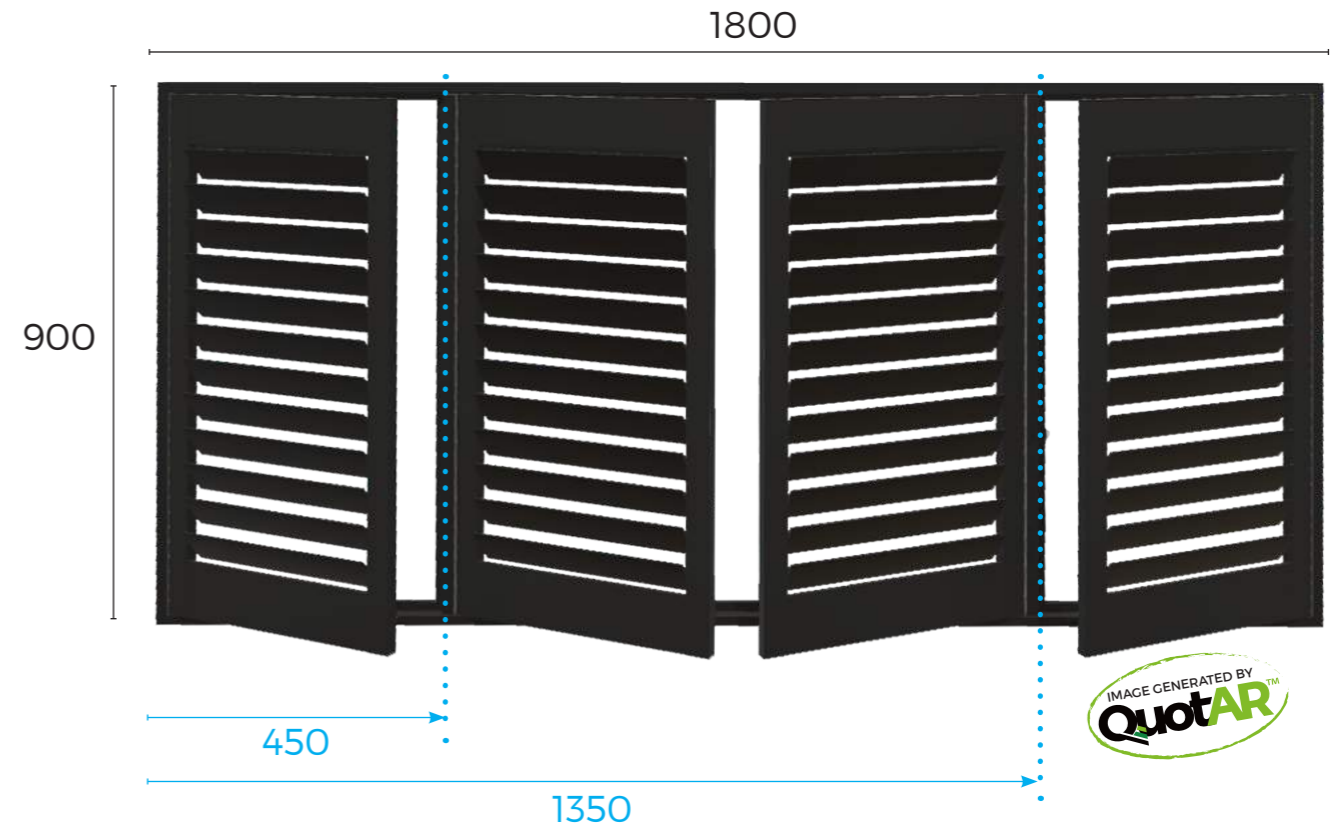
When Measuring for T-post positions always measure from the far left to the centre of the T-post. If you do not nominate a T-post position the panels will be made even width and positioned as per your Layout Code.

Ordering online: With every "T" entered in the Layout Code a box will appear for you to enter the post position.

Layout Code: LTLTL

1st T   Enter value (n   2nd T   Enter value (n

## HINGED / FRAMED LAY OUT CODES

Layout codes are one of the most important aspect to understand when ordering shutters. The design of the layout codes tells us how many panels/posts are in an item as well as what side the hinges are one. A layout code should always be designed starting from the left. With Hinged shutters – L=Left hinge, R= Right hinge, T=T-post. No other letters are needed in the layout code. Some examples are below.

| L | R | LR | LLRR | LTLRTR |

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BAY WINDOW OPTIONS

MEASURING BAY WINDOWS
WITH DIFFERENT FRAMING OPTIONS

When measuring for Bay or Corner Windows there are other factors to consider. Inside mount/Outside mount changes the sizes dramatically. With inside mount you are giving us the front of frame size and outside mount is the Back of frame size. Also if you are using a Z-frame you have to make sure to take in to account the architrave thickness and supply the size to the front of the architrave. See diagram below.

WINDOW REVEAL

ARCHITRAVE / FRAME

WINDOW REVEAL

WINDOW REVEAL

ARCHITRAVE / FRAME

ARCHITRAVE / FRAME

ARCHITRAVE / FRAME

CUSTOM ANGLE
BAY WINDOW POST
AVAILABLE

WALL

WALL

L FRAME INSIDE MOUNT
Z FRAME INSIDE MOUNT
FACE FIT OUTSIDE MOUNT

HINGE TYPES

NON MORTISE HINGE

PIVOT HINGE

BAY WINDOW MEASURING T POST

A   B

T - POST B

T - POST A

When Measuring for post positions always measure from the far left to the centre of the post. If you do not nominate a post position the panels will be made even width and positioned as per your Layout Code.

Ordering online: With every "T" or "B" entered in the Layout Code a box will appear for you to enter the post position.

Layout Code: LTLTL

1st T Enter value [n   2nd T Enter value [m

HINGE MOUNT COLOUR OPTIONS

Default
Hinge colour will match the Shutter colour unless stainless steel option is specified.
*surcharge applies

Match

Stainless Steel

BAY WINDOW / FRAMED LAY OUT CODES

Layout codes are one of the most important aspect to understand when ordering shutters. The design of the layout codes tells us how many panels/posts are in an item as well as what side the hinges are one. A layout code should always be designed starting from the left. With Bay Windows – L=Left hinge, R= Right hinge, T=T-post, B=Baypost. No other letters are needed in the layout code. Some examples are below.

| LBR | LBLRBR |

18

19

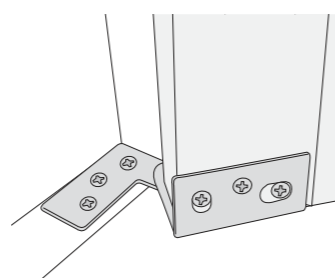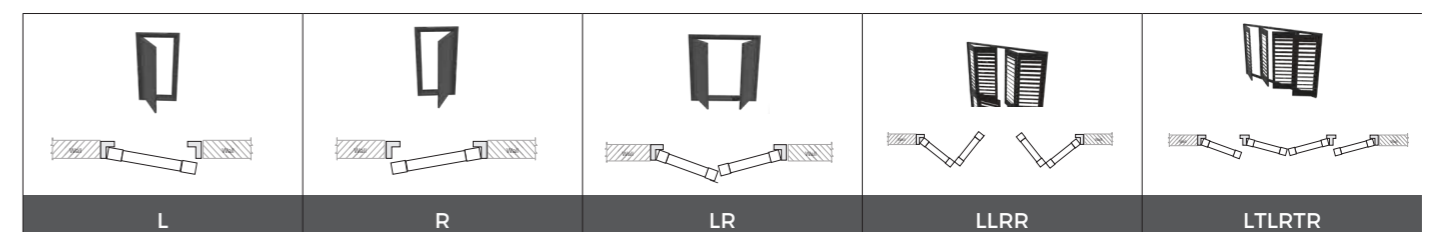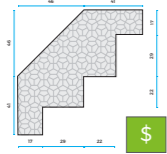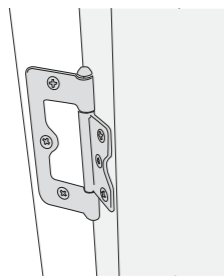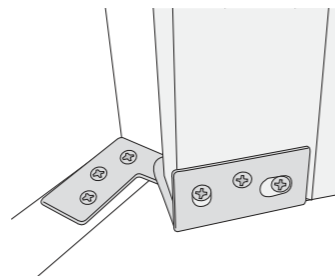# CORNER WINDOW OPTIONS

IMAGE GENERATED BY QuotAR™

$

HINGE TYPES

NON MORTISE HINGE   **PIVOT HINGE**

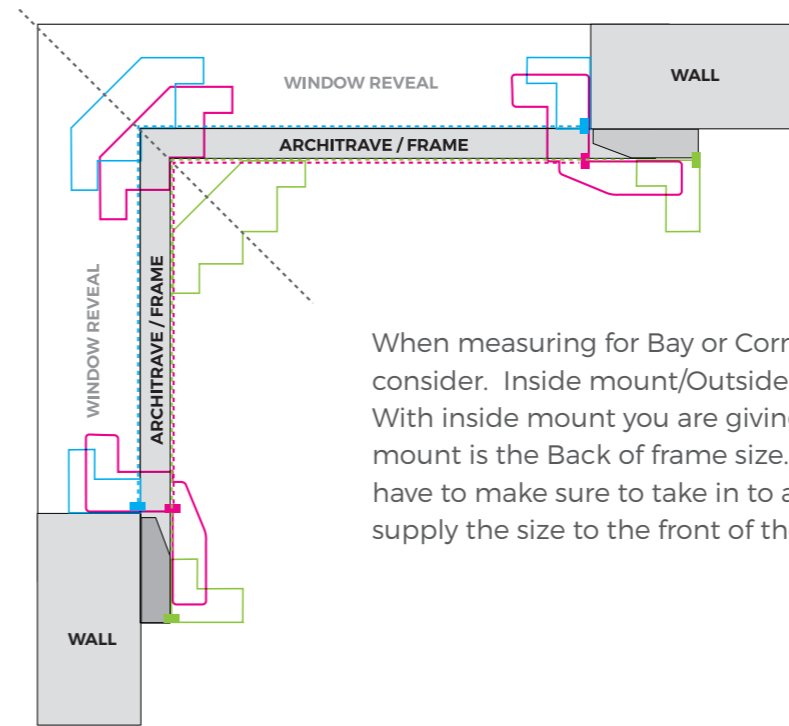## HINGE MOUNT COLOUR OPTIONS

Default
Hinge colour will match the Shutter colour unless stainless steel option is specified.

surcharge applies

Match   Stainless Steel $

CORNER WINDOW MEASURING T POST

MEASURING CORNER WINDOWS WITH DIFFERENT FRAMING OPTIONS

WINDOW REVEAL   WALL
ARCHITRAVE / FRAME
WINDOW REVEAL
ARCHITRAVE / FRAME
WALL

L FRAME INSIDE MOUNT
Z FRAME INSIDE MOUNT
FACE FIT OUTSIDE MOUNT

When measuring for Bay or Corner Windows there are other factors to consider. Inside mount/Outside mount changes the sizes dramatically. With inside mount you are giving us the front of frame size and outside mount is the Back of frame size. Also if you are using a Z-frame you have to make sure to take in to account the architrave thickness and supply the size to the front of the architrave. See diagram below.

CORNER WINDOW MEASURING T POST
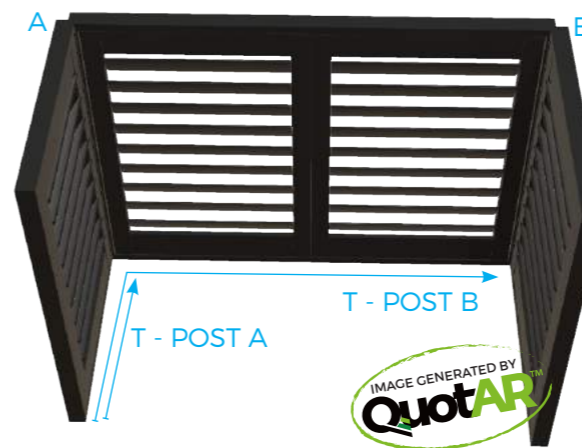
A   B

T - POST A   T - POST B

IMAGE GENERATED BY QuotAR™

When Measuring for post positions always measure from the far left to the centre of the post. If you do not nominate a post position the panels will be made even width and positioned as per your Layout Code.

Ordering online: With every "T" or "C" entered in the Layout Code a box will appear for you to enter the post position.

Layout Code: LTLTL
1st T   Enter value (m)   2nd T   Enter value (m)

CORNER WINDOW / FRAMED LAY OUT CODES

Layout codes are one of the most important aspect to understand when ordering shutters. The design of the layout codes tells us how many panels/posts are in an item as well as what side the hinges are one. A layout code should always be designed starting from the left. With Corner Windows – L=Left hinge, R= Right hinge, T=T-post, C=Corner post. No other letters are needed in the layout code. Some examples are below.
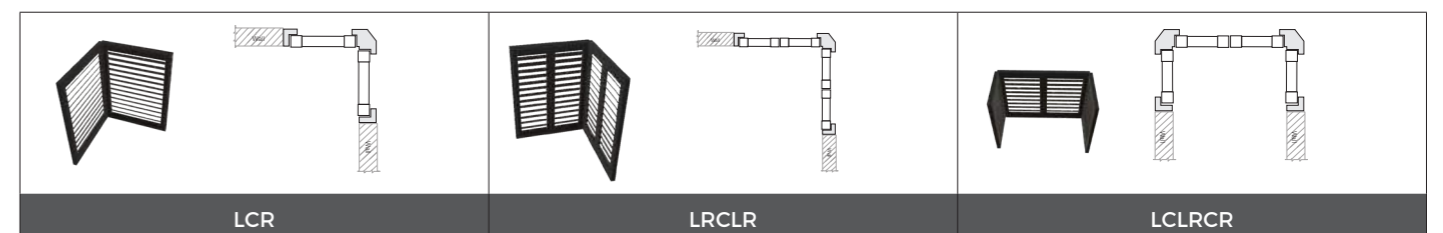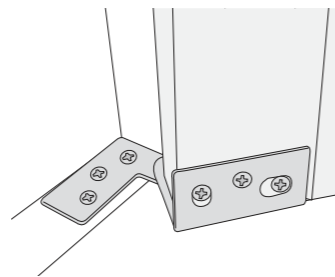

| LCR | LRCLR | LCLRCR |

TIER ON TIER OPTIONS
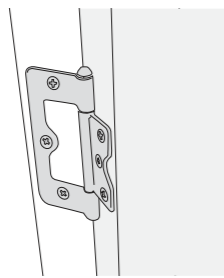
IMAGE GENERATED BY QuotAR™
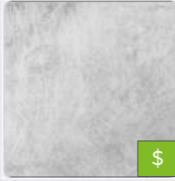
HINGE TYPES

NON MORTISE HINGE

PIVOT HINGE

HINGE MOUNT COLOUR OPTIONS

Default
Hinge colour will
match the Shutter colour
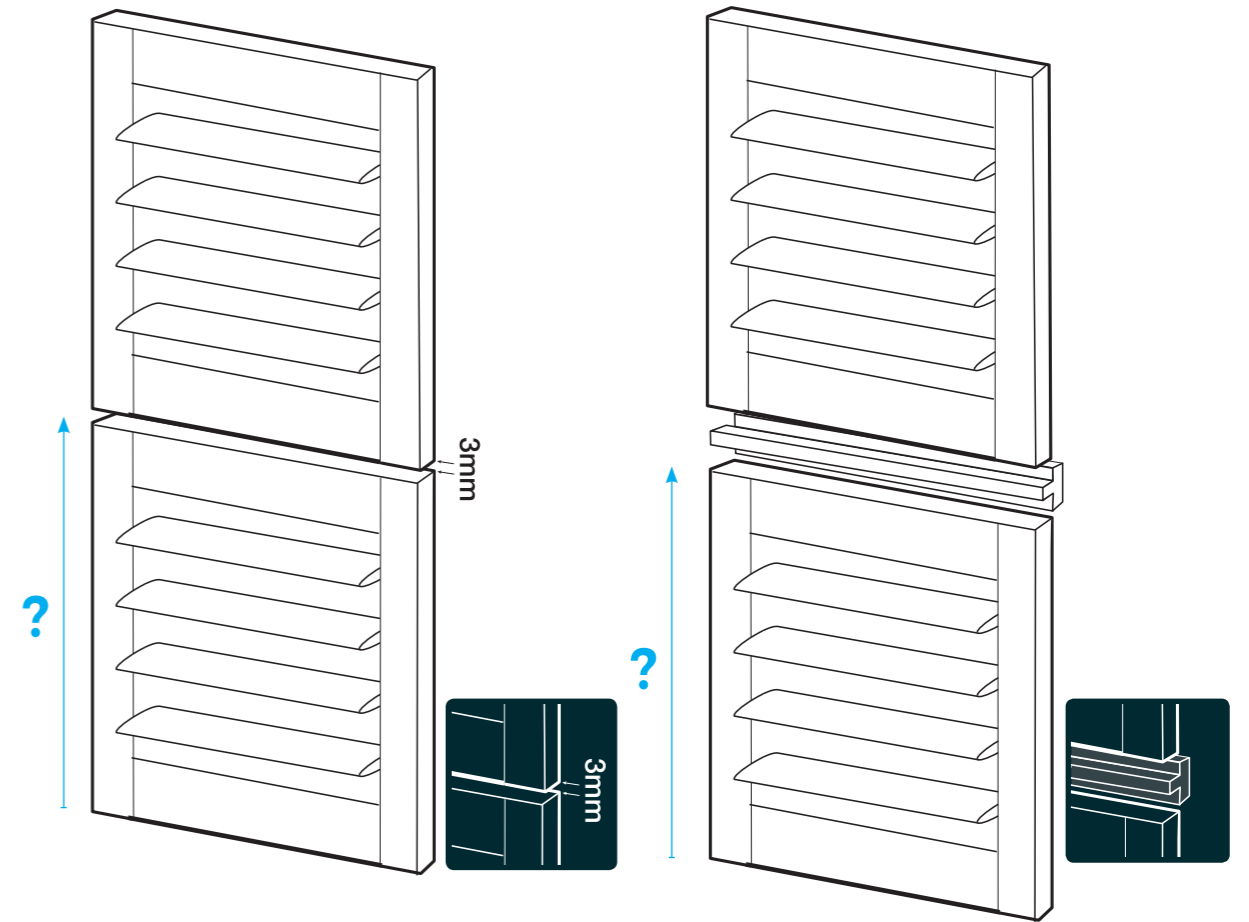unless stainless steel
option is specified.
*surcharge applies

Match

Stainless Steel

$

# TIER ON TIER MEASURING T POST

3mm

3mm

?

?

With Tier on Tier you choose if you want the panels split with a 3mm gap or a horizontal T-post between the top and bottom panels. Please provide us with the size from the bottom of the opening to the centre of the 3mm gap or horizontal T-post. For layout codes please order the same as standard hinged shutters (See page 21). The factory will mirror the layout above and below the Tier on Tier Split. See examples below.

TIER ON TIER / FRAMED LAY OUT CODES

Layout codes are one of the most important aspect to understand when ordering shutters. The design of the layout codes tells us how many panels/posts are in an item as well as what side the hinges are one. A layout code should always be designed starting from the left. With Hinged shutters – L=Left hinge, R= Right hinge, T=T-post. No other letters are needed in the layout code. Some examples are below.

L	R	LR	LLRR	LTLRTR

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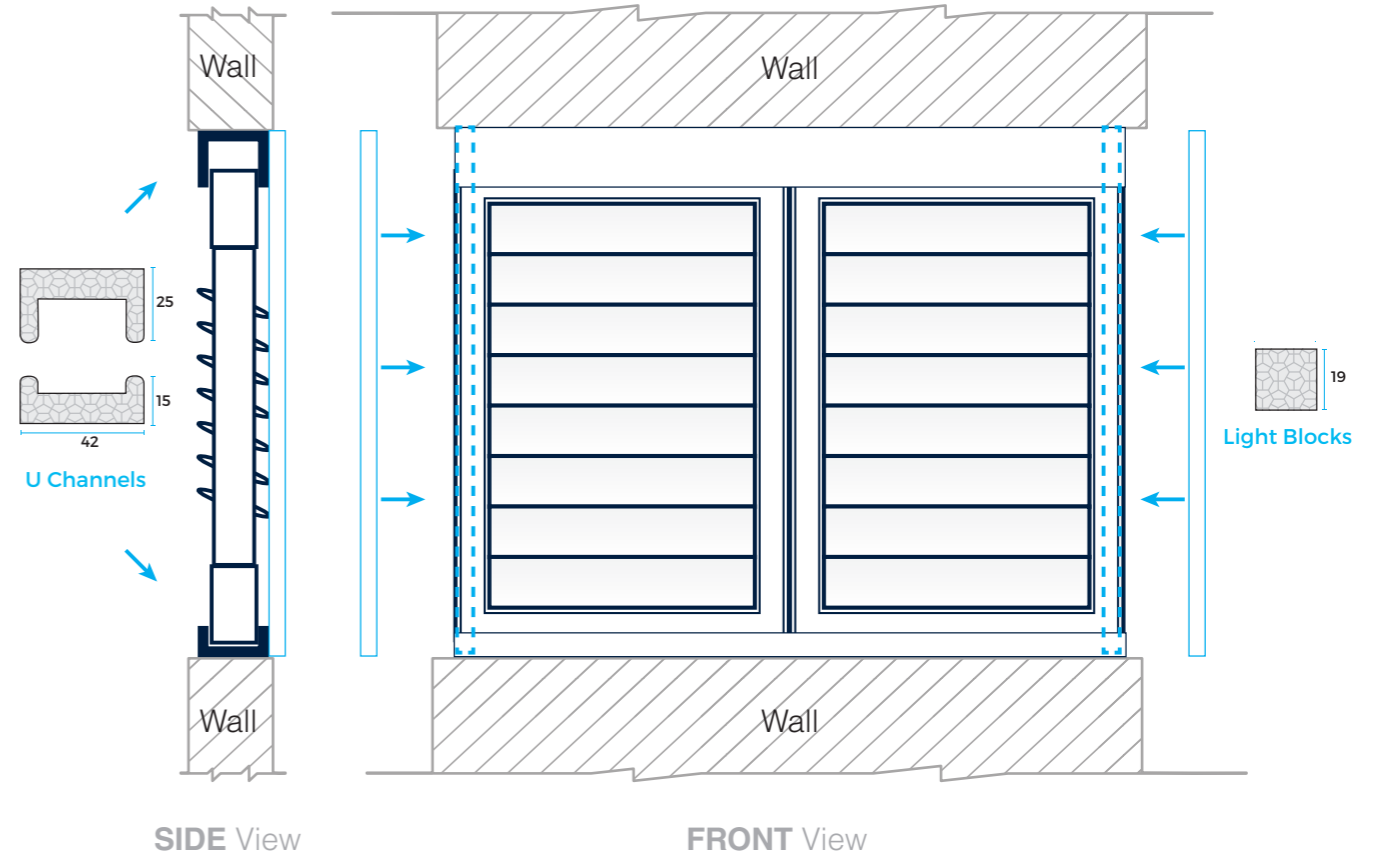PlantationShutter

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PlantationShutter
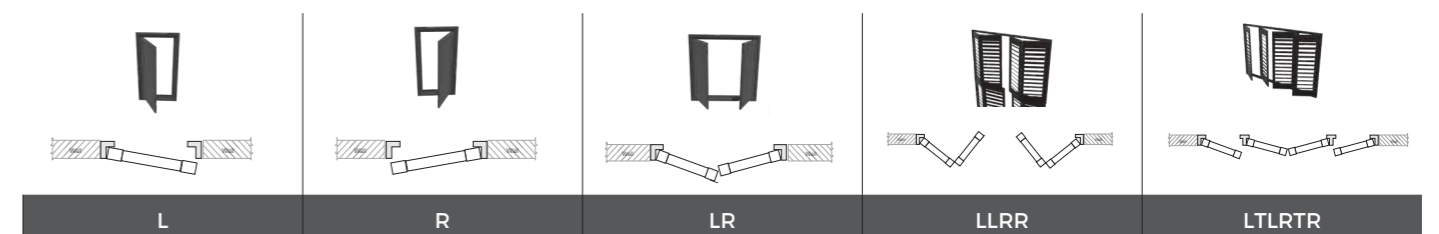
FIXED PANEL OPTIONS
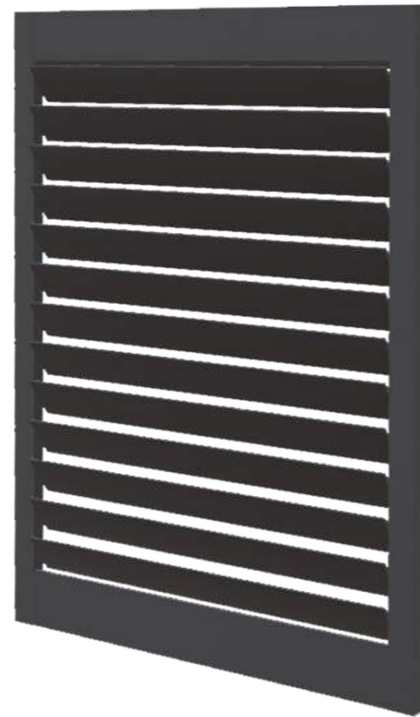
Fixed panels are generally ordered with U-channel top and bottom. However you can order them with standard frame as well. If you order Fixed panels with standard framing the factory will fix the panels in with magnets.
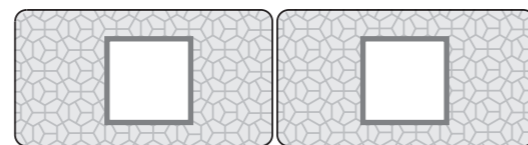
IMAGE GENERATED BY QuotAR™

PLEASE NOTE – If the shutters are fixed only with magnets - CW Systems take no responsibility if the panels come loose. It is up to the installer to determine if they need to secure the panel in another way.

STILE OPTIONS WITH U-CHANNELS
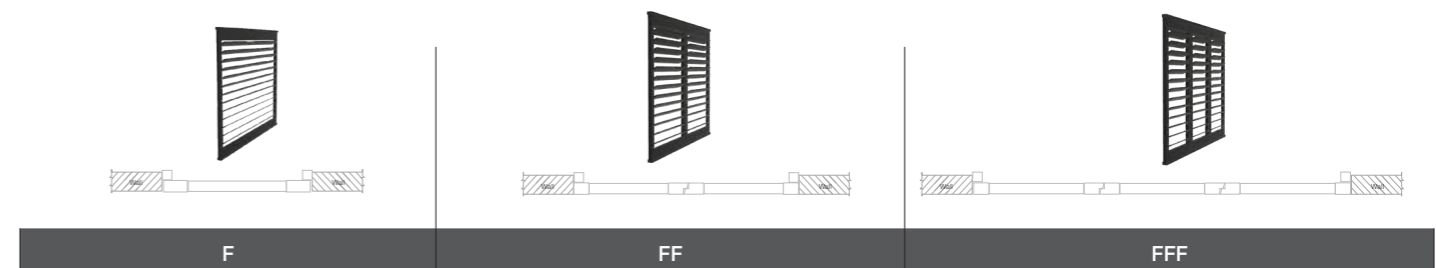
Rabbet Stile - Flat

Square Stile - Flat

PLEASE NOTE NO D-MOULD OPTION AVAILABLE WITH U-CHANNELS

FIXED MEASURING T POST

Wall

Wall

25

15

42

U Channels

Wall

Wall

19

Light Blocks

SIDE View

FRONT View

FIXED PANEL / FRAMED LAY OUT CODES

Layout codes are one of the most important aspect to understand when ordering shutters. The design of the layout codes tells us how many panels/posts are in an item. A layout code should always be designed starting from the left. With Fixed shutters – F=1 x fixed panel, T=T-post. No other letters are needed in the layout code. Some examples are below.
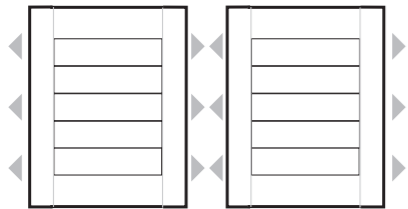(If your item requires a mixture of hinges and fixed panels. Please go by the standard hinged product type/instructions on page 21 and use the notes to tell use what panels are fixed).
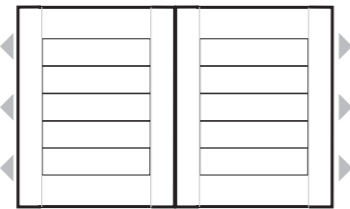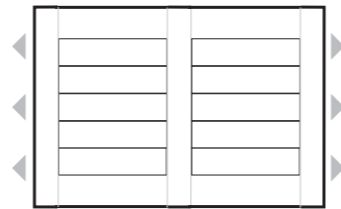
| F | FF | FFF |

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SLIDING OPTIONS

IMAGE GENERATED BY
QuotAR™

SLIDING PANEL TYPES

STANDARD PANELS
Panels slide independently

CO - JOINED PANELS
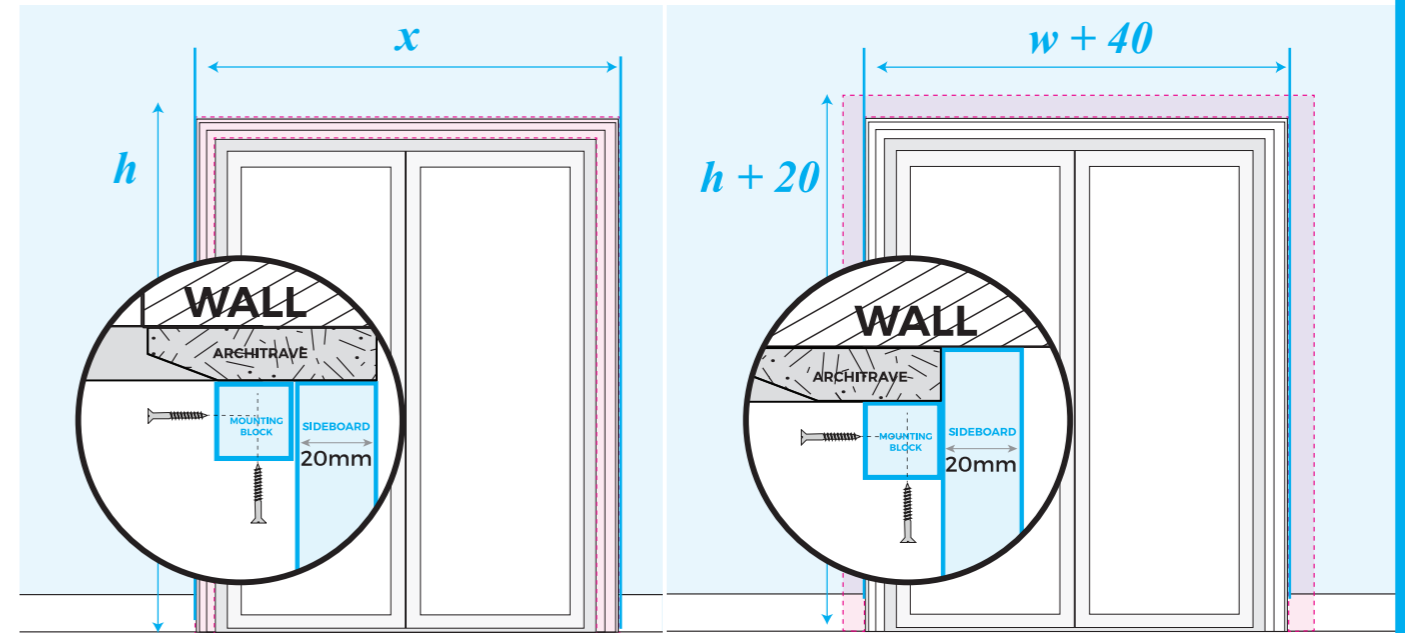Separate panels joined with
hinges so they slide as one.

CENTRE STILE PANELS
A 60mm stile down the
centre of the panel.

FRAME OPTIONS

Top
Yes No

Left
Yes No

Right
Yes No

Bottom
Yes No

Bottom
Yes No

Please Note
Select "No" for any sides you do not
want side/bottom boards.
If you have "Yes" selected at
the bottom the factory will
automatically rebate the bottom
frame into the bottom board.

FACE MOUNT SLIDING PANEL MEASUREMENT

x

h

WALL
ARCHITRAVE
MOUNTING BLOCK
SIDEBOARD
20mm

$w + 40$

$h + 20$

WALL
ARCHITRAVE
MOUNTING BLOCK
SIDEBOARD
20mm

Installation **ON FACE** of architrave.
Measure to the outside of the architrave

Installation **AROUND** the architrave
Measure to the outside of the architrave
then add 20mm to the height and
40mm to the width

SLIDING / FRAMED LAY OUT CODES

Layout codes are one of the most important aspect to understand when ordering shutters. The design
of the layout codes tells us how many panels/tracks are in an item as well what panel is on what track. A
layout code should always be designed starting from the left. With Sliding Shutters – F=1 x Panel on Front
Track, B= 1 x Panel on Back Track, M=1 x Panel on Middle Track. If you are using Co-Joined panels each
should be in the layout (ie FFBB) and the factory will automatically join them if Co-joined is selected. See
example below.

BF	BFB
FMB	BFFB

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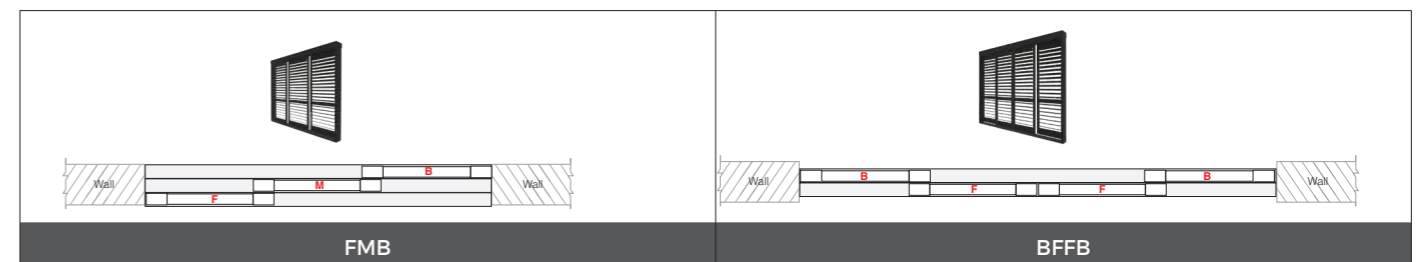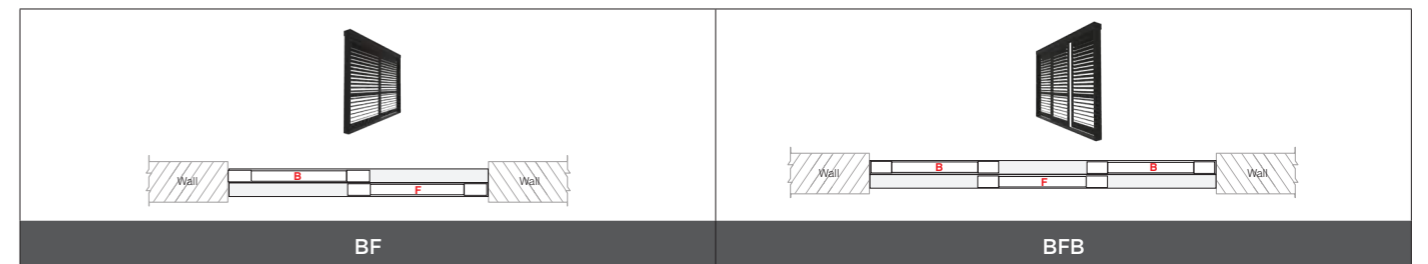
SLIDING OPTIONS

SLIDING PANELS PELMET TYPE
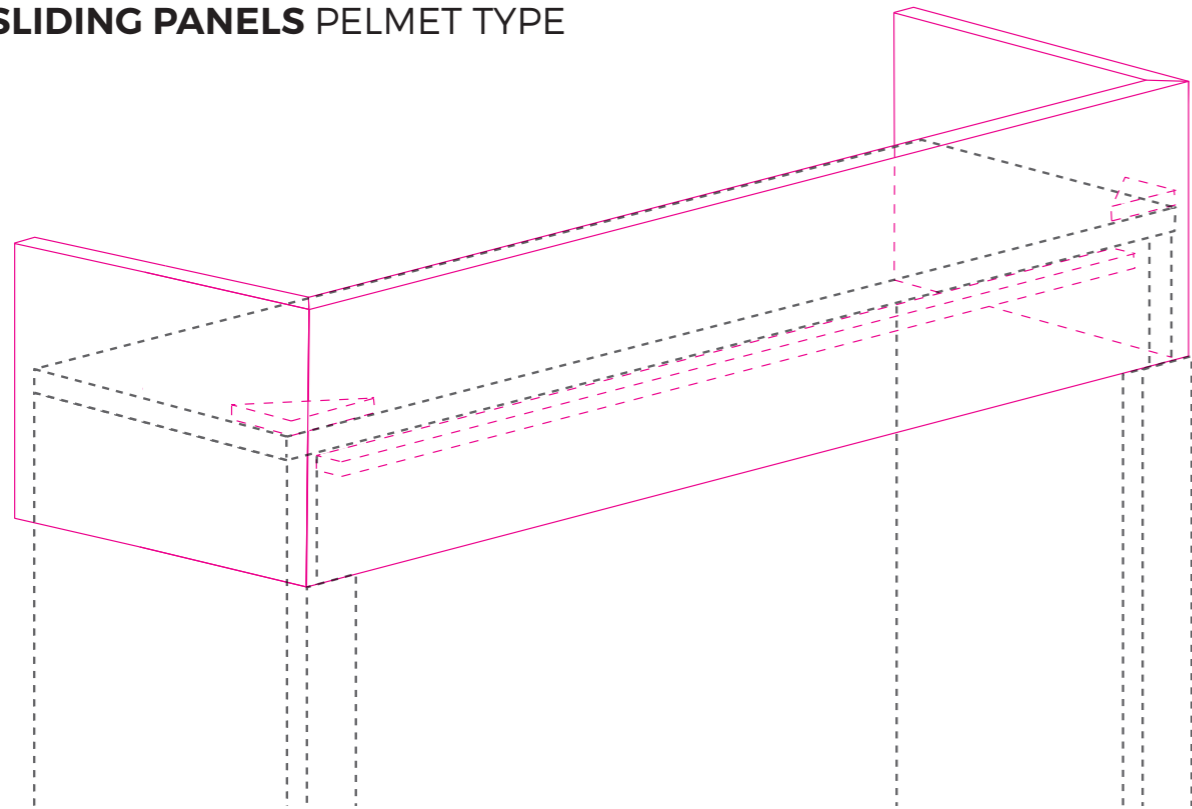
OUT - PELMIT
40mm above
headboard
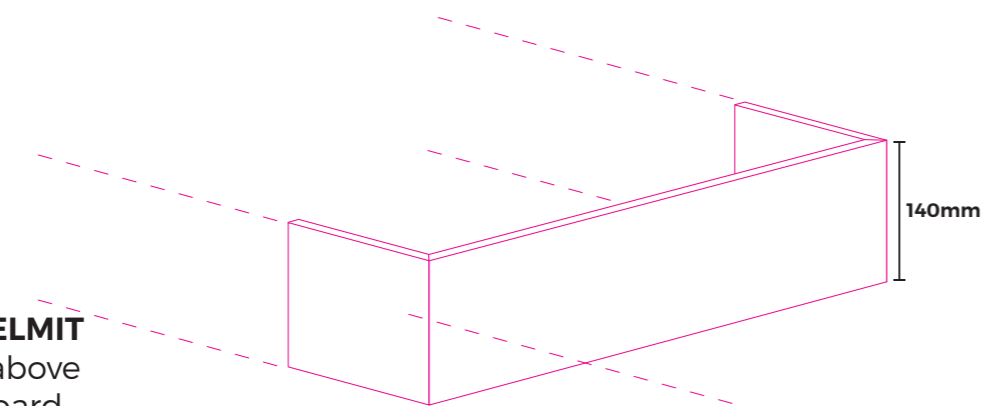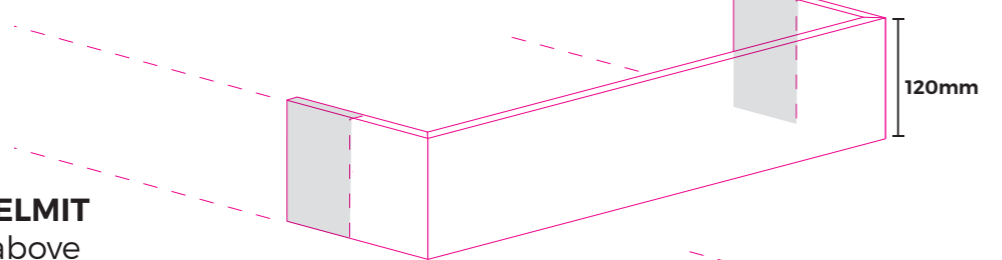
140mm

SEMI - PELMIT
20mm above
headboard

120mm

IN - PELMIT
Flush to top -
no return

100mm

Sliding Panels PELMET TYPE

OUT
40MM ABOVE
BOARD W/RETURNS

40

SEMI
20MM ABOVE
BOARD W/RETURNS

20

**trim Pelmit returns
after installation
of side and top
boards**

IN / DOUBLE
FRONT AND BACK
NO RETURNS

DOUBLE
INTERNAL WALL OPTION
NO RETURNS

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PlantationShutter

ultra20
PlantationShutter
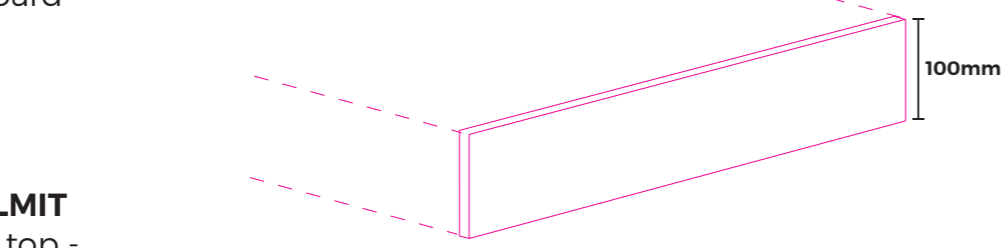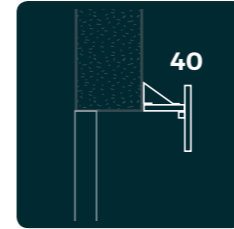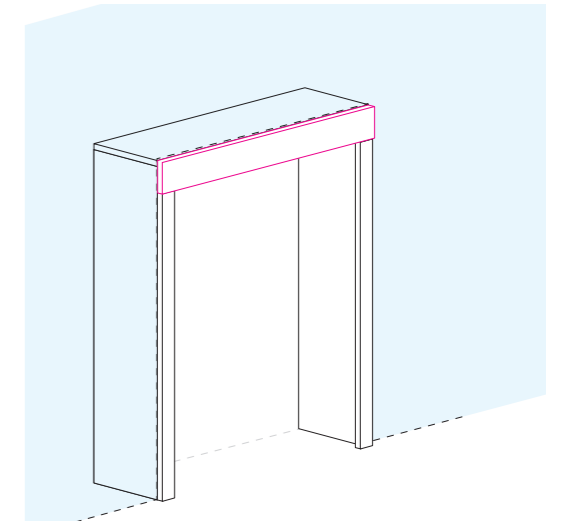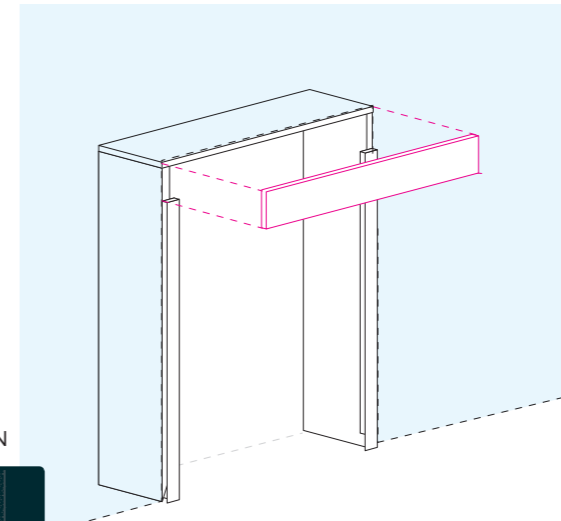
SLIDING PANELS TRACKING SYSTEM

Top Rolling Track System (T25)

top track and top carrier

26
25
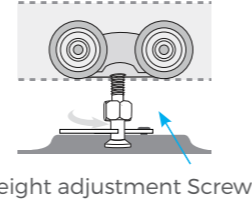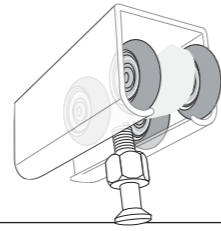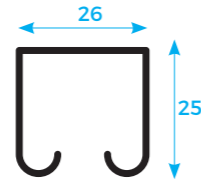
Height adjustment Screw

Top Rolling with Bottom Track

9
16
9
26
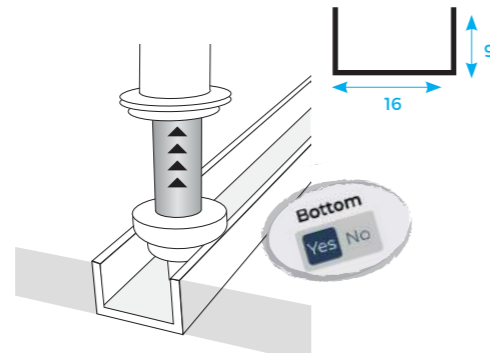
U-Track recessed in Bottom board
Select **"Yes"** for the bottom frame to order this
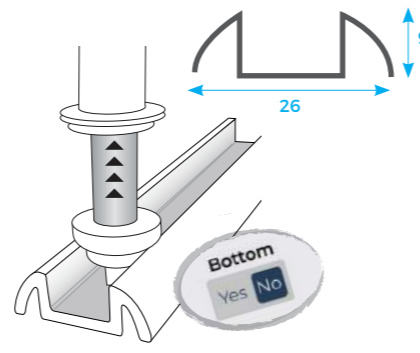
M-Track sits on Floor
Select **"No"** for bottom frame to order this.

Bottom
Yes No

Top Rolling with Floor Guide
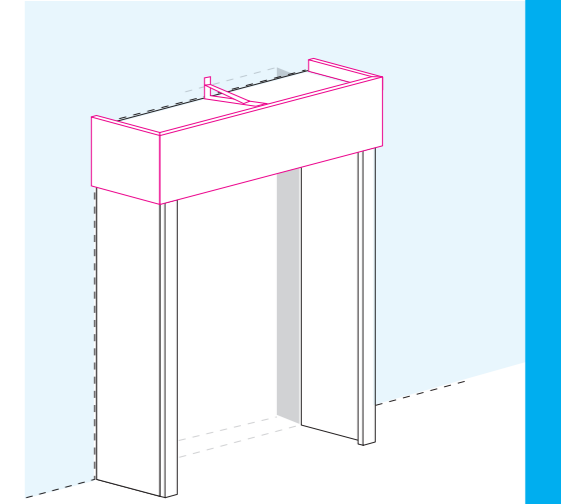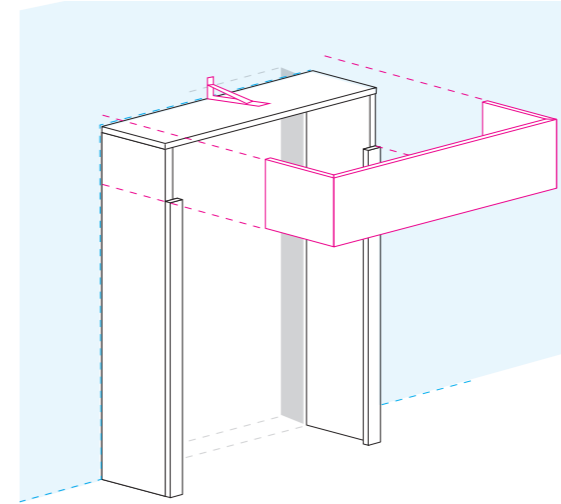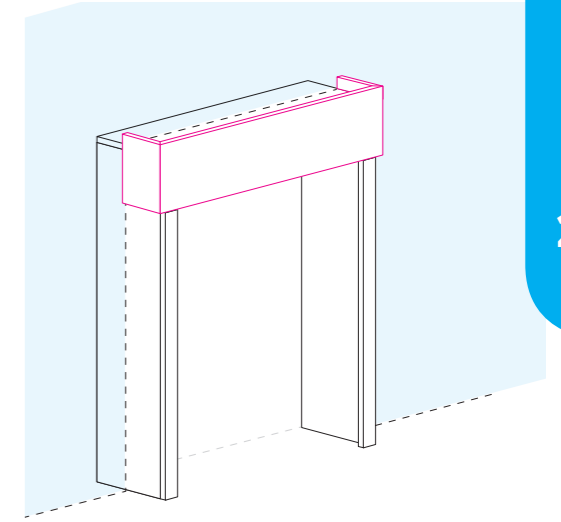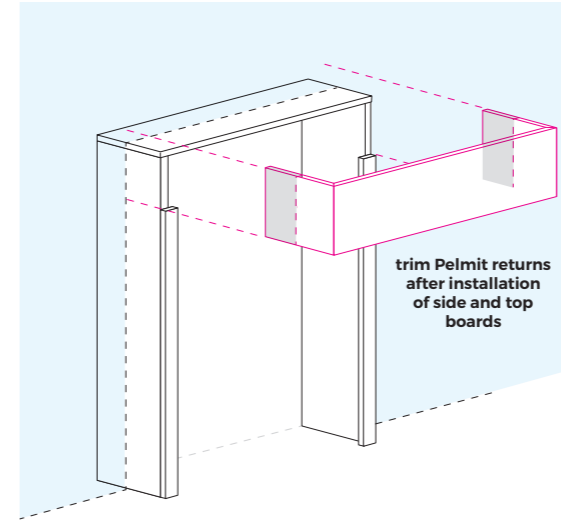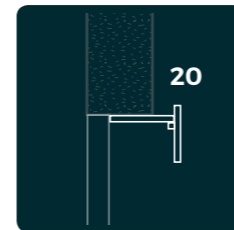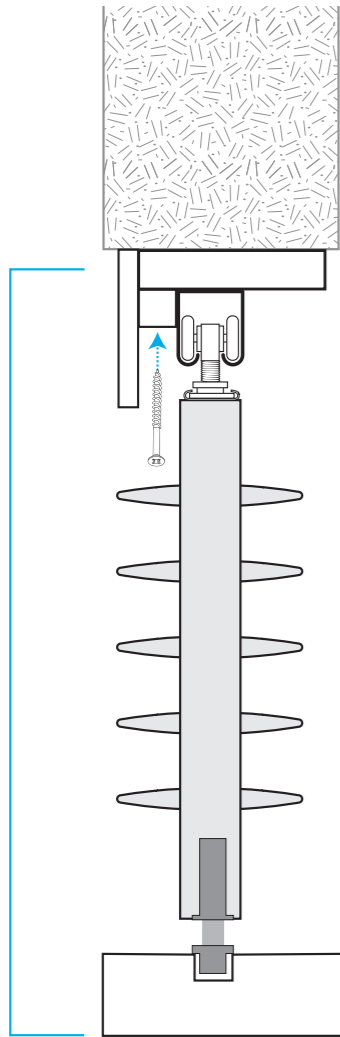Floor Guide mounted directly to floor/bottom board. Groove cut into bottom of panel to go over floor guide. REMEMBER to select "No" on bottom frame if no bottom board is needed.

Bottom
Yes No

Sliding Panels Track Quantity
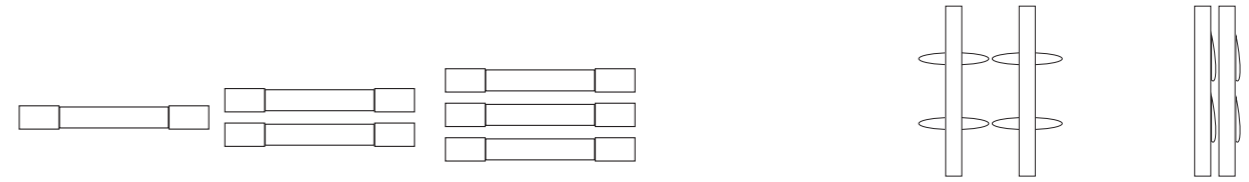
The layout Code will tell us they Track qty needed. On the online system it will be automatically selected.

Sliding Open – This means we space the tracks far enough apart so that the panels will Slide past without hitting each other even with the blades tilted open. The factory will provide Light block to attached to the panels if this is selected.

Sliding Closed – The factory will space the track as close as possible to each other. The blades will need to be fully tilted closed to slide the panels.

?
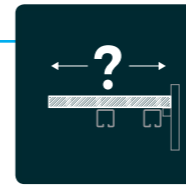
After selecting entering the layout code, Blade type, and Sliding Open or closed the Online Ordering system will automatically come up with the available frame depths. Also See frame depth chart below.

	Sliding Frame Depths (Clearview Tilt)			Sliding Frame Depths (Centre Tilt)		
	Min.	Standard	Face fit (around Arch.)	Min.	Standard	Face fit (around Arch.)
Closed (all blades)	115mm	120mm	140mm	130mm	140mm	160mm
63mm - open	150mm	150mm	170mm	170mm	180mm	200mm
89mm - open	190mm	200mm	220mm	210mm	210mm	230mm
114mm - open (not recommended)	225mm	230mm	250mm	250mm	250mm	270mm
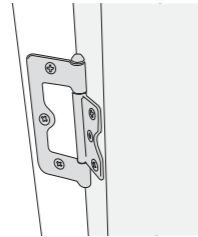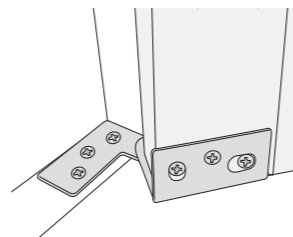
30   31

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BI FOLD OPTIONS

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QuotAR™

HINGE TYPES

NON MORTISE HINGE

PIVOT HINGE

HINGE MOUNT COLOUR OPTIONS

Default
Hinge colour will match the Shutter colour unless stainless steel option is specified.
*surcharge applies

Match

Stainless Steel
$

FRAME OPTIONS

Top
Yes No

Left
Yes No

Right
Yes No

Bottom
Yes No

Bottom
Yes **No**

Please Note
Select "No" for any sides you do not want side/bottom boards.
If you have "Yes" selected at the bottom the factory will automatically rebate the bottom frame into the bottom board.

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FACE MOUNT BI FOLD PANEL MEASUREMENT
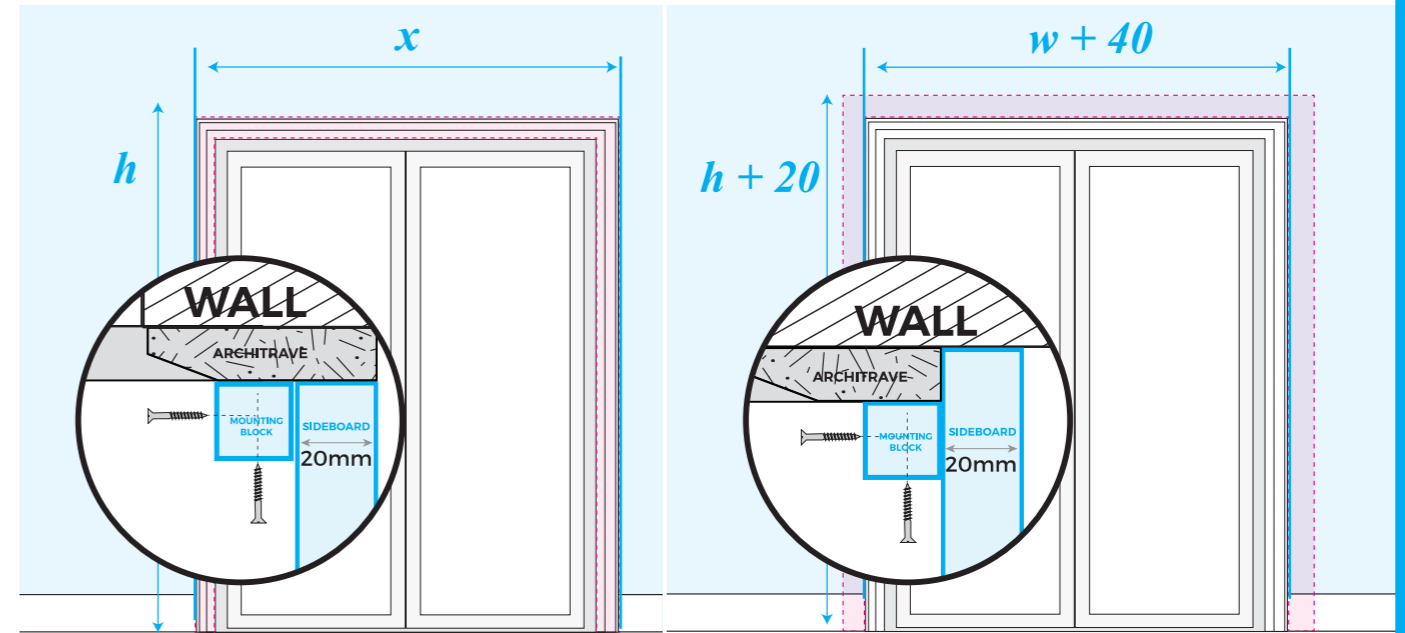
x

h

WALL
ARCHITRAVE
MOUNTING BLOCK
SIDEBOARD
20mm

$w + 40$

$h + 20$

WALL
ARCHITRAVE
MOUNTING BLOCK
SIDEBOARD
20mm

Installation **ON FACE** of architrave.
Measure to the outside of the architrave

Installation **AROUND** the architrave
Measure to the outside of the architrave then add 20mm to the height and 40mm to the width

BI FOLD / FRAMED LAY OUT CODES

Layout codes are one of the most important aspect to understand when ordering shutters. The design of the layout codes tells us how many panels are in an item as well as what side the hinges are one. A layout code should always be designed starting from the left. With Bi-Fold shutters – L=Left hinge, R= Right hinge. No other letters are needed in the layout code. It is recommended to always have the panels fold in pairs so that the panel returns to the track. If you have an odd number of panels the last panel will be swinging independently and the factory does not supply any hardware to hold it in place. Some examples are below.

RR	LLRR	LLLLRR	LLLLRRRR

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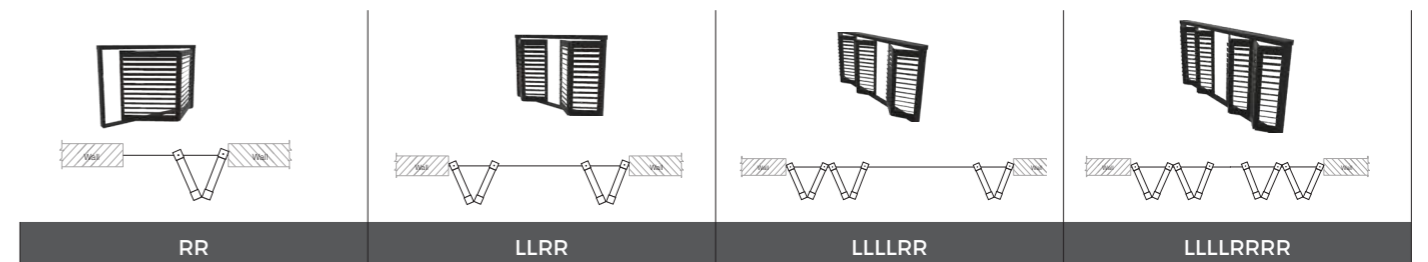
BI FOLDS OPTIONS

BI FOLD PANEL PELMET TYPES
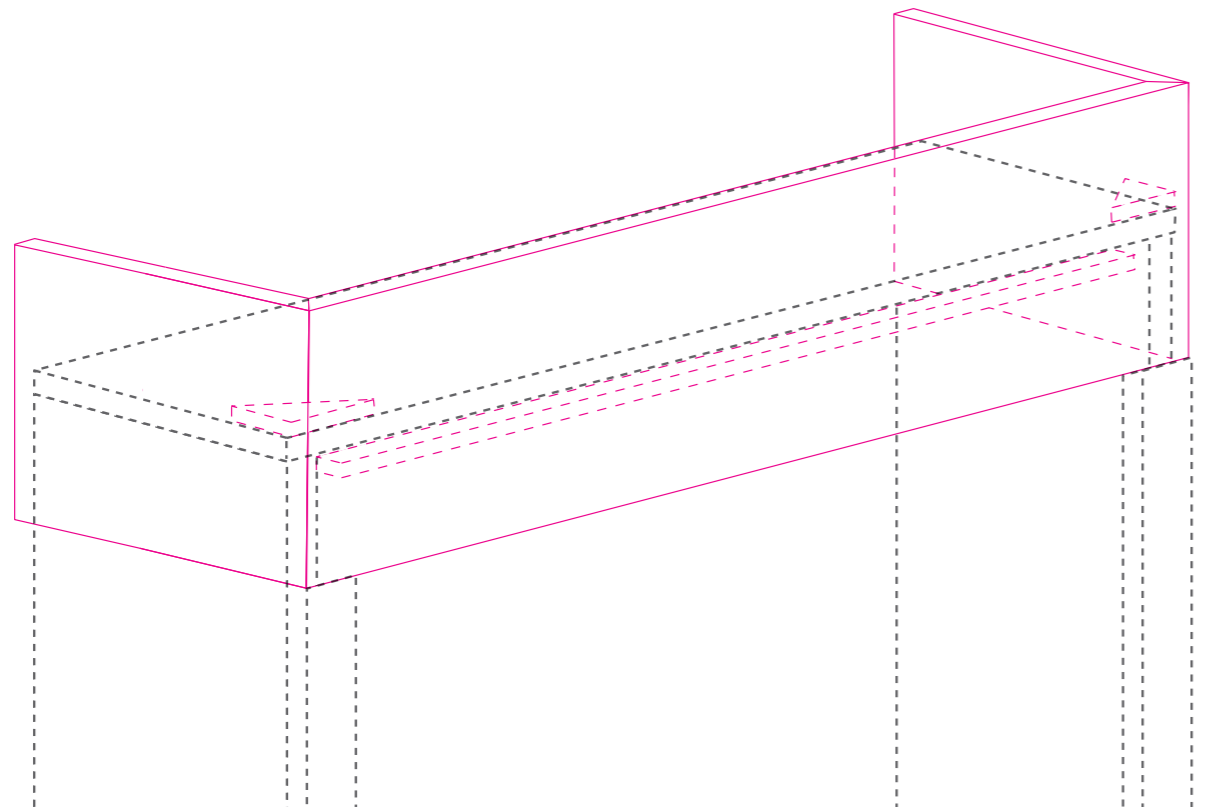
OUT - PELMIT
40mm above
headboard
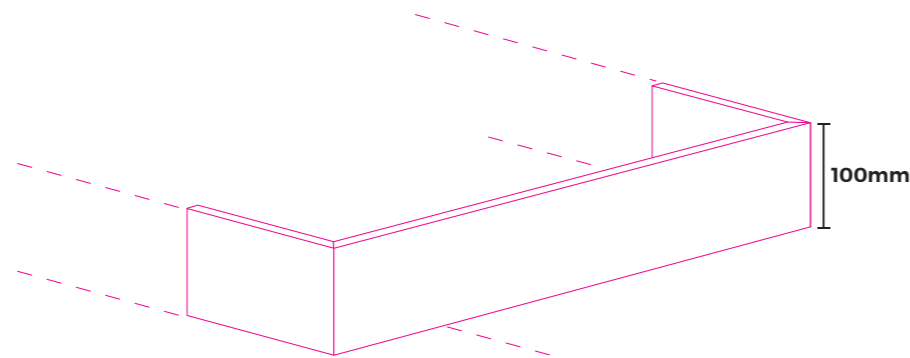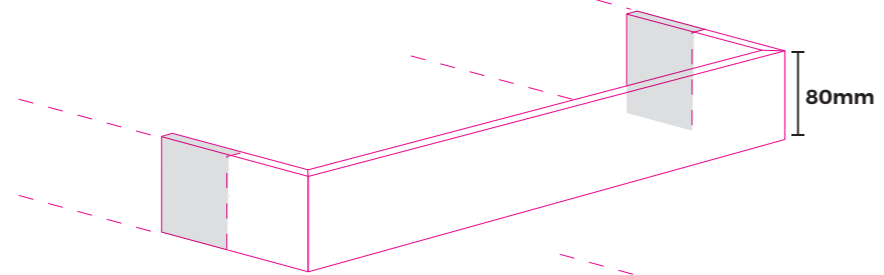
100mm

SEMI - PELMIT
20mm above
headboard

80mm

IN - PELMIT
Flush to top -
no return

60mm

Sliding Panels PELMET TYPE

OUT
40MM ABOVE
BOARD W/RETURNS

40

SEMI
20MM ABOVE
BOARD W/RETURNS

20

trim Pelmit returns
after installation
of side and top
boards

IN / DOUBLE
FRONT AND BACK
NO RETURNS

DOUBLE
INTERNAL WALL OPTION
NO RETURNS

Top Pivot

Top Wheel   Top Wheel

Top Pivot

Bottom Pivot

Bottom Spring Guide   Bottom Spring Guide

Bottom Pivot
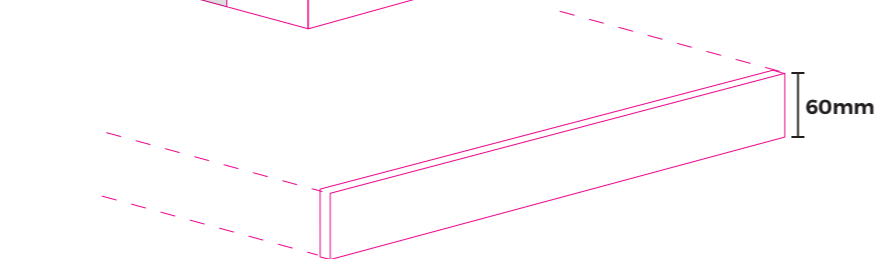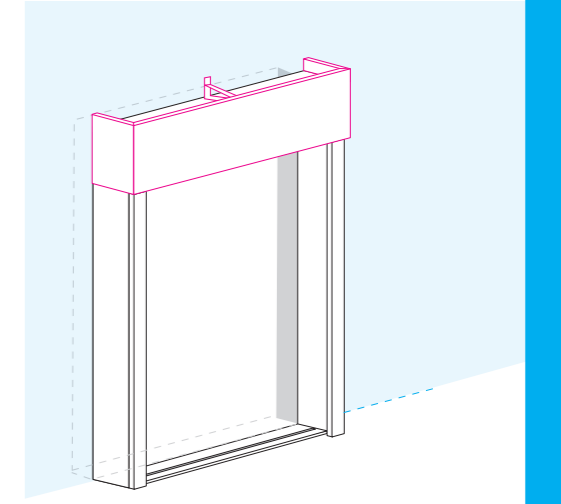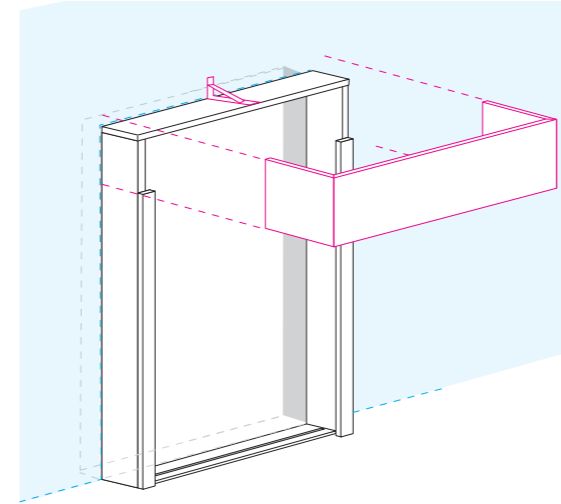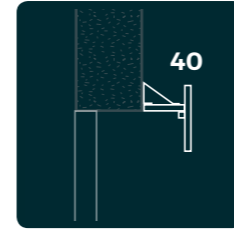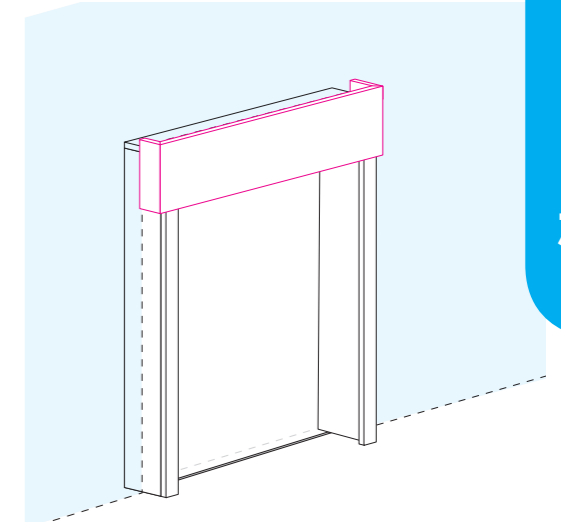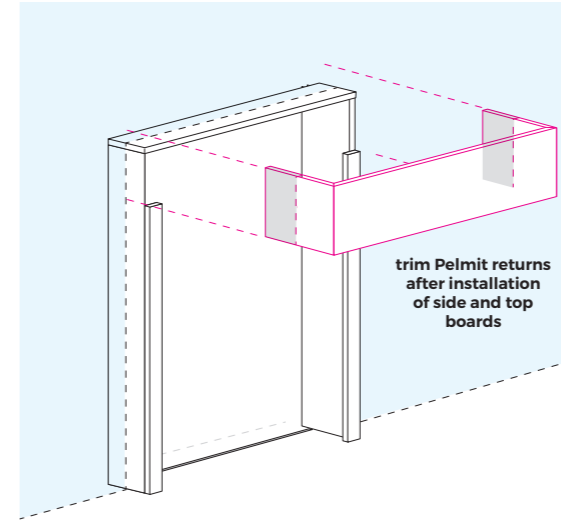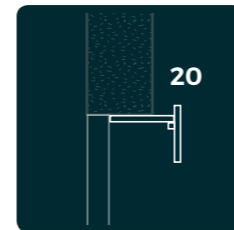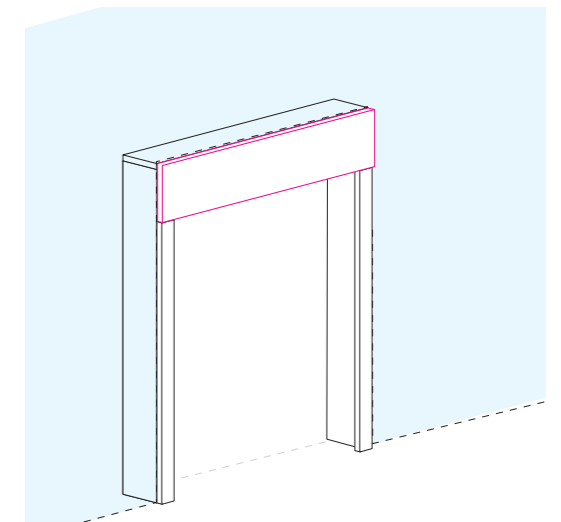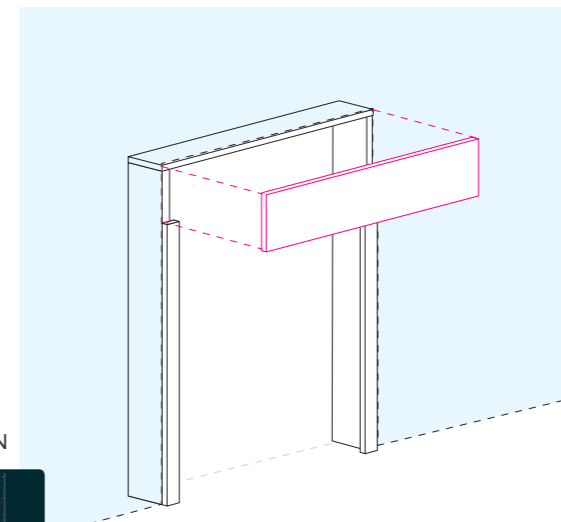
Wall   Wall
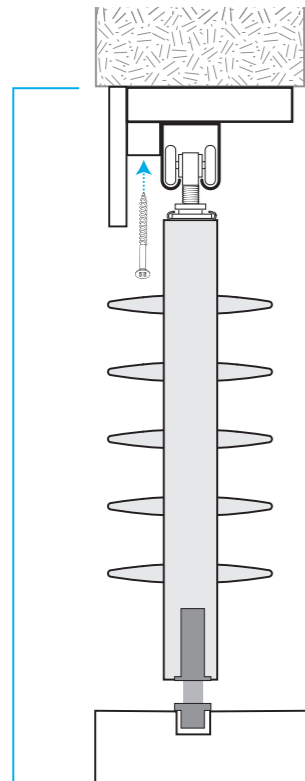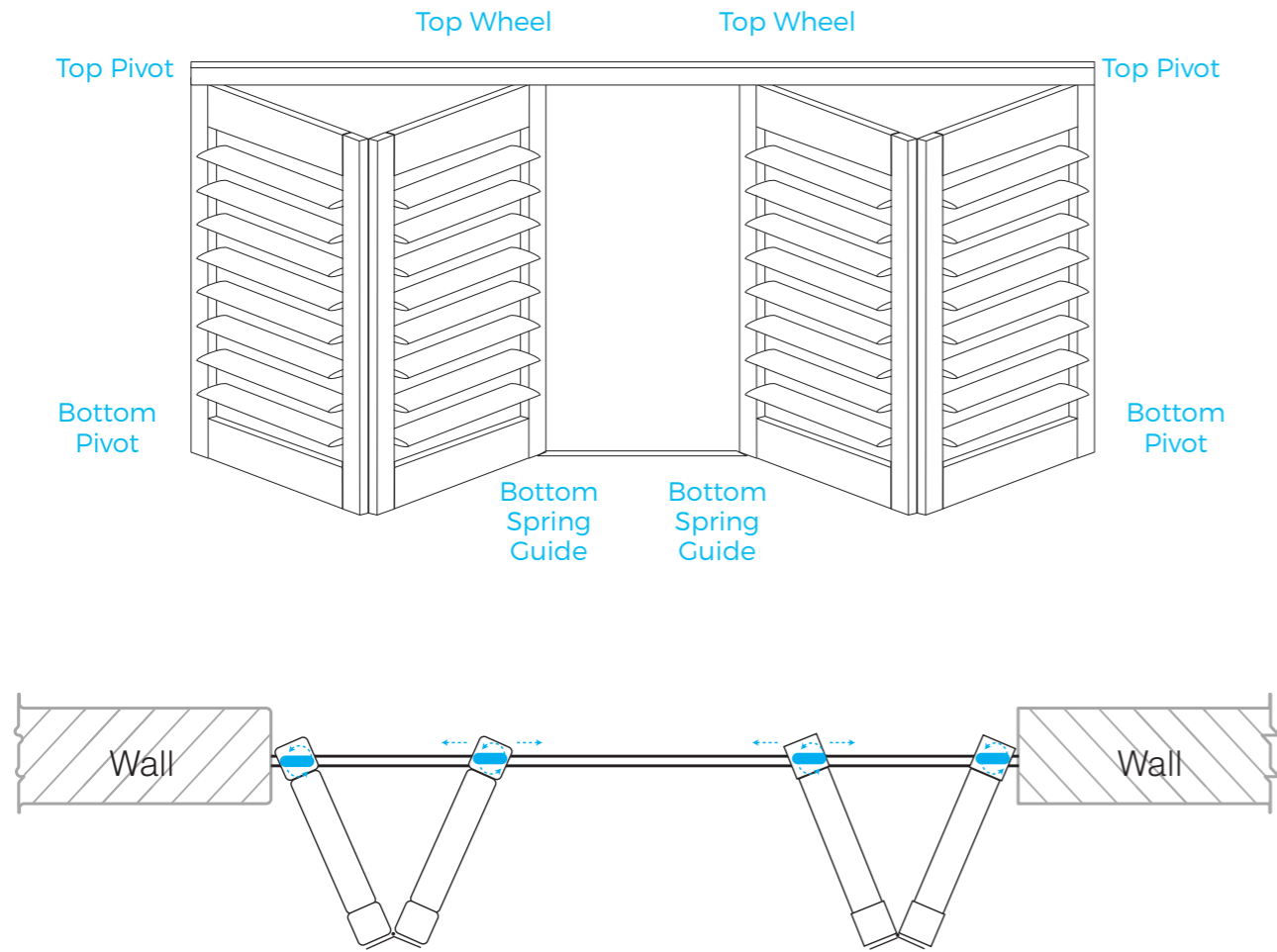
The minimum Frame depth needed for bi-folds is 100mm. This allows for the panels to pivot. If you are face fitting around the outside of an architrave order 120mm frame to allow for the thickness of the architrave.

100mm (std)

120mm

80mm

Top Rolling Track System (T25)

top track and Carrier

26

25

Top Pivot

Top Carrier / Wheel

bottom track

9

16

9

26

Bottom Pivot

U Track - recessed into the floor

M Track sits on floor

Bottom Yes No

Bottom Yes No

Bottom Yes No

Bottom Yes No
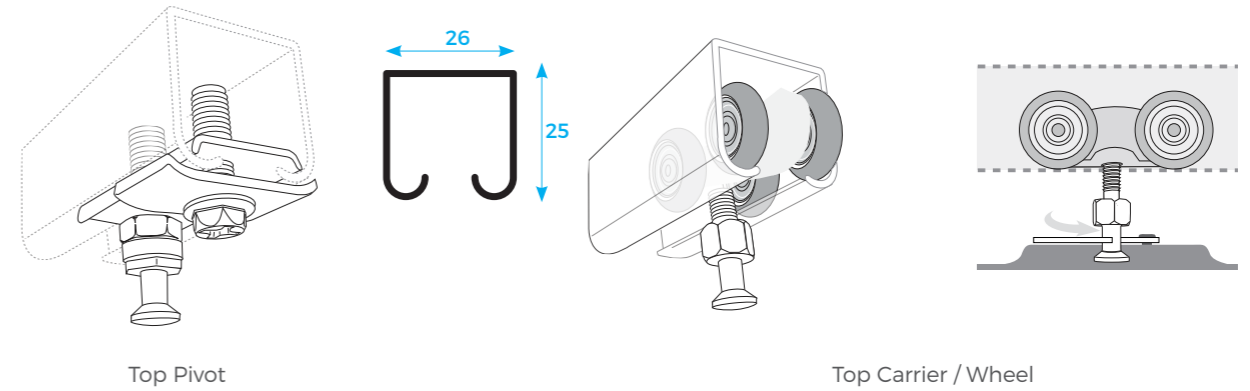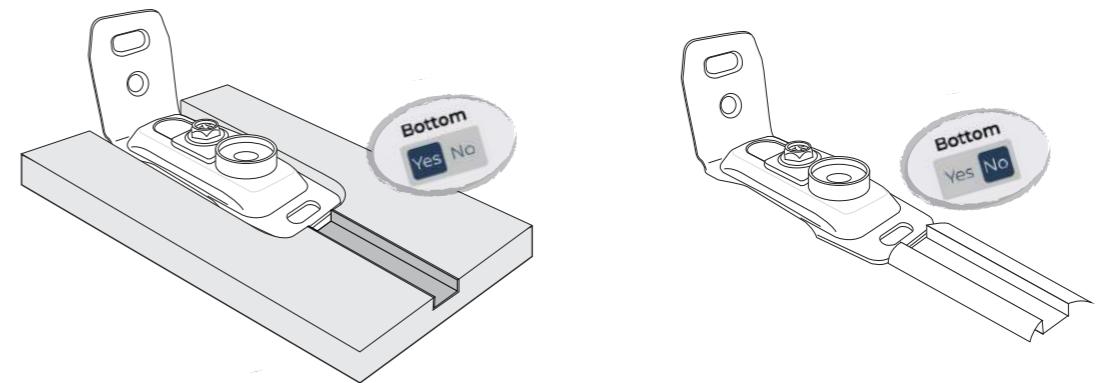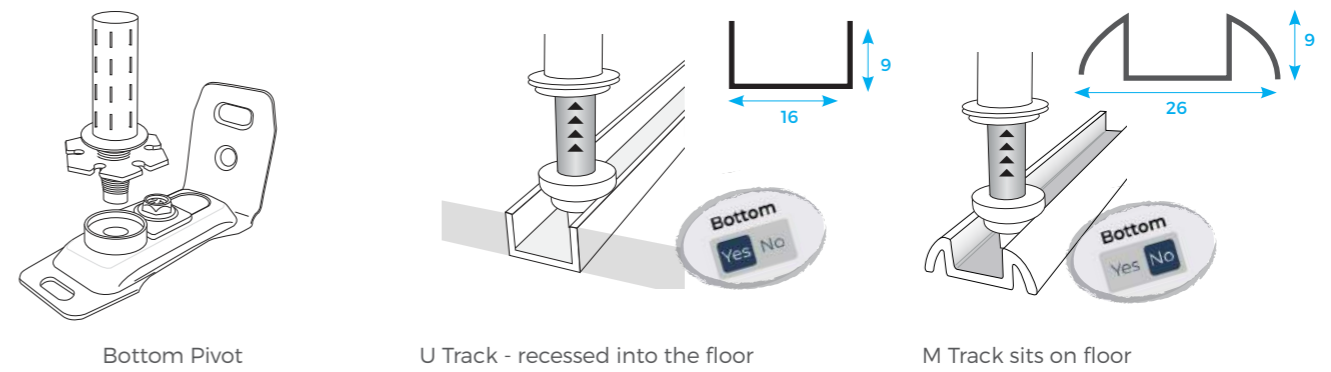
DEFAULT
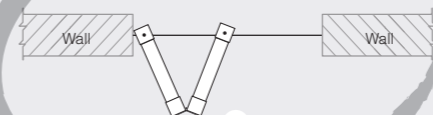
SPECIAL ORDER REQUEST IN THE NOTES

Bi-Fold In:

Wall   Wall

Bi-Fold Out:

Wall   Wall

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PlantationShutter

French Door | Single Rake | Double Raked | Arched

Circle/Oval | Shaped - Non Standard | Solid Panel
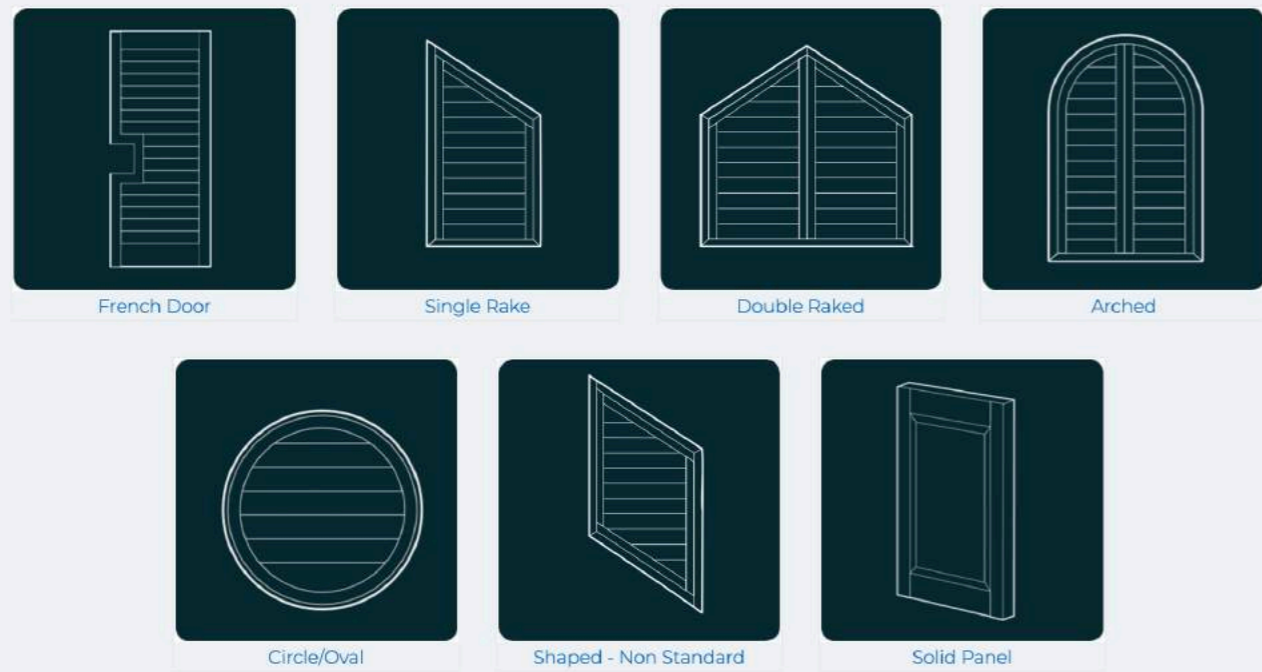
Ordering Specialty Shutters - providing a template

Not all Shaped shutter orders need templates. If the window is raked (All straight edges) or arched with a standard continuous arch it can be measured and drawn in a diagram.

- **Always provide a diagram with your order.**

- Make sure the diagram sizes match up with the order form and Template (if any).

- **If the shutter needs a template.**
  Use one of the following materials (avoid anything that can shrink or crease).

    - Good Quality Butchers Paper

    - Roller blind fabric

    - 2-3mm thick MDF board

- **How to handle the Template**

- Never fold it! – Roll it up and send it in a cardboard tube.

- Make sure the template is in 1 piece – if you are joining pieces of material to make a template make sure they are securely joined before you measure the window.
  Joining them after the fact can cause issues.

- **What should be on the template**

    - Company Name, Order name/No., Item number on order

    - Mark the "Face" of the template

    - Check and write the dimensions on the template.
      Make sure they agree with the order form.

HINT ?
A Picture is also very helpful.
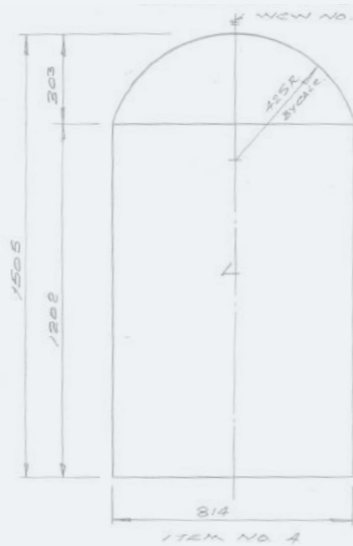
You can send a picture of the window with the order. This will help us check if there are any omissions on the order.

MEASURING SPECIFICATION_ **SUPPLYING A TEMPLATE**

CHORD

A | B | C | D
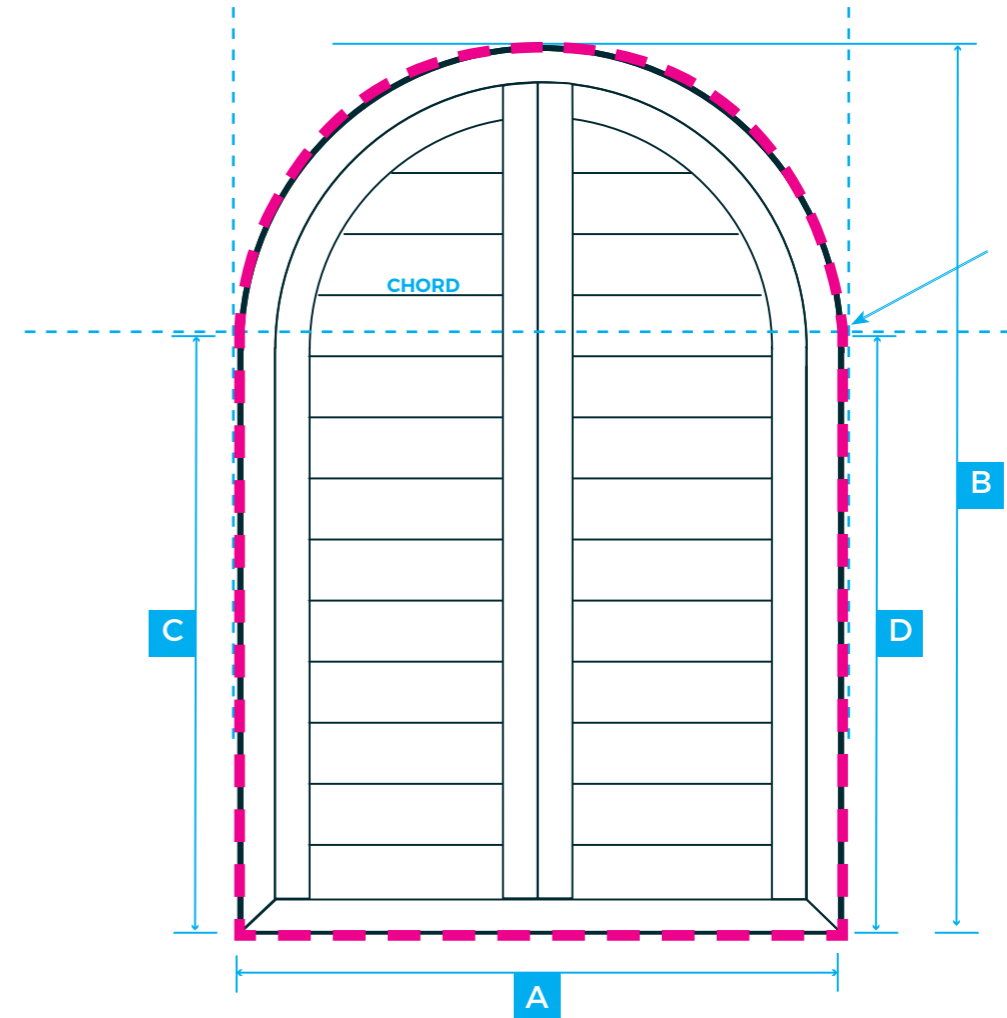
SUPPLY IMAGES_ **IMAGE SPEAKS A THOUSAND WORDS**

SPECIALTY OPTIONS

FRENCH DOORS CUTOUTS

SPECIFY MEASUREMENTS

A. Overall Width: [A. Overall Width]

B. Overall height: [B. Overall height]

C. Height to top edge: [C. Height to top edge]

D. Height to bottom edge: [D. Height to bottom edge]

E. Width of cutout: [E. Width of cutout]

F. Width of rebate: [F. Width of rebate]

Not confirmed ☐

- A – Overall Width
- B – Overall height
- C – Height from bottom to top of cut out
- D – Height from bottom to bottom of cut out
- E – Width of cut out
- F – width of rebate of backing plate (if any)

OPTIONS FRENCH DOOR

Cutout Block   **Non Cutout Block**

Cutout Block
A thin 3mm thick back plate that is at the back of the frame. Designed to allow the handle to operate and still block out the cutout section. If you only need part of the cutout block out you can enter the cutout block rebate in size "F" mentioned above.

Round   **Square**

Cutout type
Select if you want a Round or Square Cutout

Left   **Right**

Handle side
Choose what side the handle/cutout is on

HINT ?
Ask for CAD...

On the order details page just before you submit an order you can request we send you the factory CAD drawings before production begins. This is a good double check for you to make sure the order is correct.

Purchase Order [Purchase Order Number/Name]
CAD Drawing: [✓ Not required for approval / Required prior to approval]
Additional Notes [Notes]

SPECIALTY OPTIONS

TOP RAKED   BOTTOM RAKED

SPECIFY MEASUREMENTS

A. Overall Width: [A. Overall Width]

B. Overall Height: [B. Overall Height]

C. Left Height: [C. Left Height]

D. Right Height: [D. Right Height]

Not confirmed ☐

- A – Overall Width
- B – Overall height
- C – Left Side Height
- D – Right Side Height
- E – Width (from the left) to opening height.

Hint: Make sure to check that the 90º right angle corners are actually 90º. Also send a diagram showing the sizes along each rake. This is a good check for the factory that all sizes are correct.

OPTIONS SHAPED BLADE END

Horizontal Shaped Blades

- Blades are shaped to suit the shape of the shutter
- Blades and rails are chamfered to allow the blade to rotate
  - If the shape is on the top half of the panel the chamfer will be on the back of the panel.
  - If the shape is on the bottom half of the panel the chamfer will be on the face of panel.
- You cannot fully rotate the blades. They will fully close and the amount the blades will be able to open depends on the shape.
- Special Pins are used
- If a blade is needed to be replaced, the original blade must be sent back to the factory.

Top Rake   **Bottom Rake**
Choose if the rake is at the bottom or the top.

L - FRAME
VS
Z - FRAME

Z Frame can give up to 40mm tolerance around the frame for those tricky jobs!

HINT ?
Z frames make it EASY

SPECIALTY OPTIONS

DOUBLE RAKED OPTIONS

E
B
C
D
A

SPECIFY MEASUREMENTS

A. Width: [A. Width]

B. Overall Height: [B. Overall Height]

C. Left Height: [C. Left Height]

D. Right Height: [D. Right Height]

E. Width to Opening Height: [E. Width to Opening Height]

Not confirmed ☐

- A – Overall Width
- B – Overall height
- C – Left Side Height
- D – Right Side Height
- E – Width (from the left) to opening height.

Hint: Make sure to check that the 90º right angle corners are actually 90º. Also send a diagram showing the sizes along each rake. This is a good check for the factory that all sizes are correct.

OPTIONS SHAPED BLADE END

Horizontal Shaped Blades

- Blades are shaped to suit the shape of the shutter
- Blades and rails are chamfered to allow the blade to rotate
    - If the shape is on the top half of the panel the chamfer will be on the back of the panel.
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- If a blade is needed to be replaced, the original blade must be sent back to the factory.

HINT ?
Ask for CAD...

On the order details page just before you submit an order you can request we send you the factory CAD drawings before production begins. This is a good double check for you to make sure the order is correct.
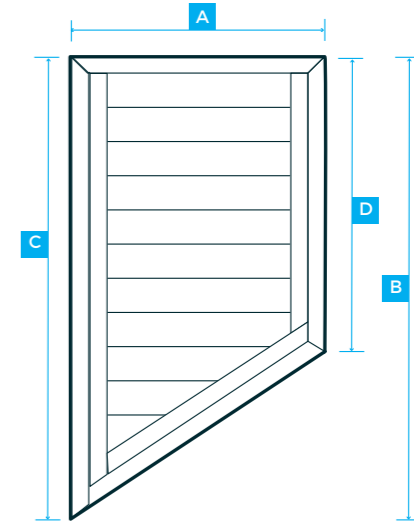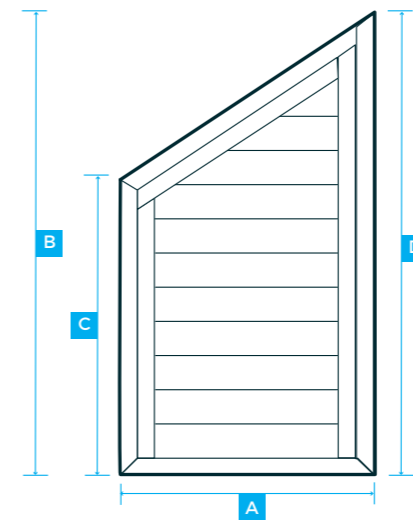
Purchase Order [Purchase Order Number/Name]

CAD Drawing: ✓ Not required for approval
Required prior to approval

Additional Notes

Notes

SPECIALTY OPTIONS

ARCHED OPTIONS

B
C
D
A

HINT ?
Template EXAMPLES.
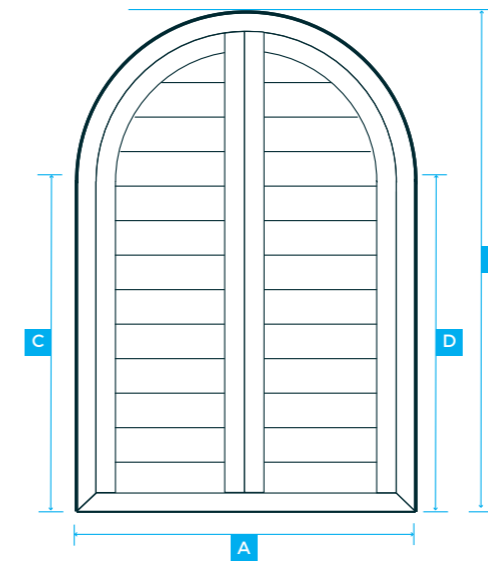
Diagram ONLY
Arch with standard radius
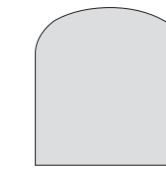
Diagram and Template required
Arch with multiple radius' and / or asymmetrical arch

SPECIFY MEASUREMENTS

A. Width: [A. Width]

B. Overall Height: [B. Overall Height]

C. Left Height: [C. Left Height]

D. Right Height: [D. Right Height]

Not confirmed ☐

- A – Overall Width
- B – Overall height
- C & D – Height on the sides to where the arch starts to breakaway (spring point).
    - This could be 0mm on a simple arch.
    - This can be measured by holding a straight edge along the side of the reveal.

Hint: If the Arch is a standard continuous arch with one standard radius. A Template may not be needed. If it has multiple radiuses a template is recommended.

OPTIONS SHAPED BLADE END

Horizontal Shaped Blades

- Blades are shaped to suit the shape of the shutter
- Blades and rails are chamfered to allow the blade to rotate
    - If the shape is on the top half of the panel the chamfer will be on the back of the panel.
    - If the shape is on the bottom half of the panel the chamfer will be on the face of panel.
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- Special Pins are used
- If a blade is needed to be replaced, the original blade must be sent back to the factory.

Sunburst blades

- Blades are custom shaped and pivot from a centre point (like the spokes on a bicycle tire)
- All blades rotate individually
- No tilt rod to connect the blades.

L - FRAME
VS
Z - FRAME
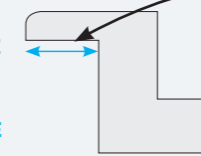
Z Frame can give up to 40mm tolerance around the frame for those tricky jobs!

HINT ?
Z frames make it EASY

ultra20
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PlantationShutter
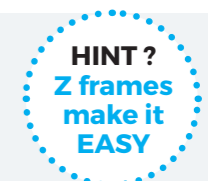
SPECIALTY OPTIONS

CIRCLE / OVAL OPTIONS

B

A
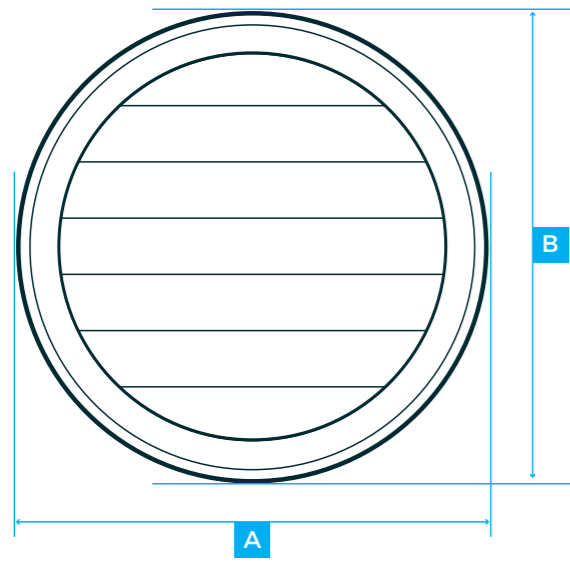
HINT ?
Template required
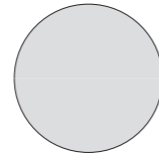
Diagram ONLY
Circle with standard radius

Diagram and Template required
Circle with multiple radius' and / or asymmetrical arch

SPECIFY MEASUREMENTS

A. Width: _____

B. Height: _____

Not confirmed ☐

OPTIONS SHAPED BLADE END

Horizontal Shaped Blades

• Blades are shaped to suit the shape of the shutter

• Blades and rails are chamfered to allow the blade to rotate

   - If the shape is on the top half of the panel the chamfer will be on the back of the panel.

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Ask for CAD...

On the order details page just before you submit an order you can request we send you the factory CAD drawings before production begins. This is a good double check for you to make sure the order is correct.

Purchase Order: Purchase Order Number/Name

CAD Drawing: ✓ Not required for approval / Required prior to approval

Additional Notes: Notes

SPECIALTY OPTIONS
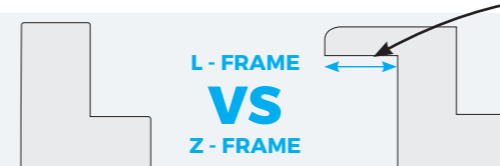
L - FRAME
VS
Z - FRAME

Z Frame can give up to 40mm tolerance around the frame for those tricky jobs!

HINT ?
Z frames make it EASY

QUICK GUIDE - SPECIFICATION COMPARISON SHEET

General Information	ULTRA 20	
Material	Polyresin with Aluminium core	
Construction	mortise and tenon assembly and solid stiles. aluminium support - all blades, all stiles	
Application	indoor, all areas	
Lead Times	6 - 8 weeks	
Warranty		
Paint, Construction and Material	20 years	
Colours		
Painted (Standard range)	6 white colours	4 grey colours (surcharge)
Custom Paint Colour	not available	
Paint Type and process		
Paint Type	water based baked enamel	
Paint Process	undercoats > final coats > assembly	
Options		
Tiltrod	clearview, centre, offset	
Louvre Shapes	aerofoil (elliptical) only	
Louvre Sizes (mm)	63 89 114	
Stiles	51mm Flat 51mm Beaded	
Stiles Designs	Square Rabbet D-Mould	
Shapes		
Raked- Uneven sides, Other shapes (see pricing)	available with square and shaped blades	
Mounting options		
Bay post (135 degrees) (surcharge)	available	
Corner post (90 degrees) (surcharge)	available	
Bi fold/sliders (see manual and pricing)	available	
Tier on Tier (surcharge)	available	

General Information	ULTRA 20
Specifications	
Hinged panel (Max width standard)	914mm
Bi fold panel max width (with track)	600mm
Double hinged max size per pair of panels	914mm - 1.35m²
Sliding panels max width	914mm
Sliding panels with centre stile max width	not available
Max panel height	2700mm
Mid-rail required panels over height	1520mm
Second Midrail required	2438mm
Shortest possible panel - (check with us for blade quantity)	260mm
Narrowest possible panel	250mm
Clear View Tilt Rod Max Length	1500mm

Standard Profiles / Surcharge Options

L FRAME OPTIONS

47mm Flat
L - Frame (FL10)

47mm Beaded
L - Frame (SL10)

FRENCH DOOR
L - Frame (FLF)

74mm Face Fit*
L - Frame (ML10)

Z FRAME OPTIONS

43mm Bullnose
Z - Frame (BZ17)

60mm Flat
Z - Frame (FZ23)

Delux
Z - Frame (DZ25)

Elegant
Z - Frame (EZ23)

POST OPTIONS

Beadded
T-Post (ST10)

Flat T-Post (FT10)

OTHER OPTIONS

Light Block

U Channels

20 yr warranty

ultra20™
PlantationShutter

P L A N T A T I O N   S H U T T E R S

What products does this warranty cover?

Our Warranty and Repair Policy covers the repair or replacement of CW product brands, if found to be defective in materials or workmanship. A 'repair' is any order that relates to a previous order, whether making a warranty claim, re-ordering or just requiring a product part for the same job.

A product will be deemed defective if a defect is visible with the naked eye in natural daylight at a distance of 1.5 metres.

This warranty only applies to CW Systems products. CW Systems reserves the right, at its discretion, to void warranty if and where a distributor rebrands a CW product or brand.

To whom do we give this warranty?

We give this warranty to the original purchaser, only if the goods were purchased from a CW Systems distributor (retailer, dealer or reseller) as new goods.

Warranty only applies when the product is fitted in accordance with the distributor's instructions and are used for the intended purpose for which the product has been manufactured.

Warranties are not transferrable and are only available to customer to whom invoice is addressed.

What is CW Systems responsibility?

CW Systems will repair or replace at its sole discretion any parts or items deemed to be suffering from a defect. If and where possible, CW Systems will repair or replace the defective product using identical or similar components.

If CW Systems designs and/or styles have been altered or upgraded, CW Systems will replace any components suffering from a defect with a part or product of comparable quality and value.

How do we honour this warranty?

We will either repair our goods, or replace our goods with new goods, at our discretion, if:

- the goods have a defect in the materials or workmanship, or the goods fail to operate as intended; and
- you make a claim under this warranty as provided below, within the time periods set out below.

Warranty Commencement Condition

The warranties shall be valid once the installer has;

- provided to the customer a warranty certificate signed by the installer as issued by CW Systems with the product details and,
- the relevant part of the warranty certificate has been returned by the customer to CW Systems with a copy of the invoice issued by the installer to the customer and
- it is with a copy of the receipt issued by the installer evidencing payment to the installer.

The warranty certificate must be returned to the distributor no later than 21 days after the completion of the installation for the customer to be entitled to these warranties.

Who will incur costs? Are there any costs?

The consumer will be required to pay the cost of any travelling time to inspect goods, freight or handling costs, any removal and installation costs. There may also be an additional call out fee charged for inspection when you make a claim, however any call out fee that we charge you will be refunded if we determine that the goods are defective.

This warranty does not cover the costs of removal of the warranted goods or installation of the repaired or replaced goods including consequential or incidental damages. However, we will meet those costs if the goods breach any of the guarantees applicable under the Australian Consumer Law.

What warranty will not cover

This warranty is only valid for the original purchaser or first end user and is at the sole discretion of CW Systems. The warranty is ex-factory and restricted to supply only.

The warranty excludes any shipping, labour or other associated costs with the installation or removal of product and all liability for consequential or incidental damages.

For the purposes of this warranty, "defect" does not include (and we will not replace or repair products suffering from) damage caused by:

- Normal wear and tear
- Installation or the manner of application or fixing
- Installation damage to the window(s) or premises
- Misuse, abuse or accident
- Use of the product outside the CW Systems specification guidelines and its intended use
- Failure to follow instructions with respect to cleaning and/or maintenance
- Incorrect or insufficient care, cleaning and maintenance
- Any unreasonable or unusual use or a failure to carry out normal maintenance and cleaning
- Exposure to the elements (e.g. sun damage), progressive or discolouration over time; installations subject to salt spray or marine influences, severe industrial or corrosive environments
- Damage to the screen mesh, tensioning cords and/ or channels caused by deliberate or accidental misuse abuse or neglect
- Damage caused by humans or pets accidentally running or walking into the screen when in use
- Exposure to high humidity (resulting in mould & mildew or 'warping')
- Modifications made by any person other than a professional and certified installer or caused by use or installation that is not in compliance with the installation instructions provided with the product, or otherwise provided by CW Systems
- Use of components not supplied by CW Systems
- Any alterations made to original product supplied
- Use of silicon-based sprays or abrasive cleaning agents on product
- Progressive deterioration of finishes and materials due to exposure due to outside elements
- Fire, flood or natural disasters or acts of God
- Defects due to any contamination or pollution due to surface dirt or staining
- Damage caused by any third party
- Damage caused by pets and animals, such as but not limited to, scratch or bite marks
- Batteries are not covered under this warranty

WARRANTY

Distributor obligations under the Warranty

CW Distributors must supply customer with 'Warranty Certificate' on the day of installation and fill accordingly then return to CW Systems sales@cwsystems.com.au or PO Box 294, Pendle Hills NSW 2145 within five business days of installation date. This document certifies that the person named on the certificate properly installed the product thus limiting liability.
(A distributor can request for a copy of the Warranty Certificate by emailing sales@cwsystems.com.au)

If the product/s are defective the liability of CW Distributor shall be limited and at the discretion of the Distributor, he/she has the option to do one or more of the following:

· Replace the product or supply equivalent product

· Repair the product

· Pay for the cost of replacing the product or acquiring equivalent product

· Pay the cost of having the product repaired

· Refund the customer of the cost paid by the customer for the product

Warranty & Repair Policy Claim

When claiming under this Warranty to CW Systems, you must submit a completed Repair Request Form through original distributor in writing, AND you must substantiate your claim with proof (ie unedited photograph) of the error or defect.
For a copy of the Repair Request form, please email sales@cwsystems.com.au

The customer must submit the form within a period of one calendar month of first detecting the defect and at their cost.

We will then arrange for the goods to be inspected and determine whether they are defective and if, acting reasonably, we agree they are defective we will (at our option) either repair the goods, or replace the goods with new goods.
A call out fee may be charged for inspection, however any call out fee that we charge you will be refunded if we determine that the goods are defective.

The Repair Request Form will be assessed by CW Systems and if accepted as a defect of material or labour, will be processed and sent onto the factory of manufacture for re-supply.

How do I make a claim?

Distributor checklist is as follows:

1. Email sales@cwsystems.com.au and ask for a Repair Request Form

2. Ask customer to take photos of the alleged defect

3. Fill out Repair Request Form and attach photo/s with defect explanation then return to CW Systems
(please note that your Repair Request Form will be rejected if all the sections are not satisfactorily completed)

Customer checklist is as follows:

1. Prepare claim no longer than one calendar month of first detecting the defect

2. Email details of your claim to the address of the original place of purchase (distributor) and distributor name including:

   a. your name, address, phone number

   b. date of installation of product

   c. images of defect

   d. explanation of the circumstances in which the defect appeared and that you wish to claim under this warranty

   e. proof of your purchase and the warranty certificate details

   f. all other information we would and reasonably request about the circumstances in which you consider the defect was caused

Your repair cannot be accepted if:

The Repair Request form is not filled out correctly or in its entirety, including measurements, details of the cause and effect and the original order information

You are making a claim and have not supplied the relevant photographs

The job had not been paid for in full in accordance with the purchase order

The Warranty Certificate has not been previously submitted within the stated time

The period in which this warranty applies

Warranty and Repair Policy covers the repair or replacement of its Ultra20 shutters for 20 years from the date of purchase, if found to be defective in materials or workmanship.

WARRANTY REPAIR REQUEST FORM

ABN: 98 138 897 088

Head Office: 5 Tollis Place, Seven Hills Nsw 2147
Postal Address: Po Box 294, Pendle Hill NSW 2145
Ph: (02) 9624 0700   Fax: (02) 9838 4740
Email: sales@cwsystems.com.au

IMPORTANT NOTICE:
A PHOTO IS REQUIRED FOR ALL PRODUCTS IF YOU ARE MAKING A WARRANTY CLAIM.
THIS REPAIR WILL BE REJECTED IF ALL THE APPROPRIATE SECTIONS ARE NOT COMPLETED.

CUSTOMER:

REPAIR ORDER NO. :	CW SYSTEMS OFFICE USE ONLY, NEW ORDER No.:
YOUR ORIGINAL SIDE MARK OR ORDER No. :	
IF KNOWN CW SYSTEMS ORIGINAL ORDER No. :	
SHUTTER REPAIR:	DATE:
PROBLEM CAUSED BY:	PHOTOS ATTACHED WITH EMAIL:

GENERAL REASON FOR REPAIR:

FACTORY WORK REQUIRED:		CUSTOMER NOTES:
Item No.	Panel No	
Item No.	Panel No	
Item No.	Panel No	
Item No.	Panel No	
Item No.	Panel No	
Item No.	Panel No	
Item No.	Panel No	
Item No.	Panel No	
Item No.	Panel No	

Name of Person Submitting Repair Request:

OFFICE USE ONLY

OFFICE NOTES

REQUEST EXCEL FORM:
send to sales@cwsystems.com.au
.

WARRANTY CERTIFICATE

To: CW Systems P/L
             PO Box 294
             PENDLE HILL NSW 2145

This is to certify that the person named on this certificate had installed at the property named on this certificate the CW Systems P/L product known as _____ on the date specified on this certificate.

Name and address of installer: ....
....
....

Place of installation: ....
....
....

Date of installation: ....
....

Signed by the installer: ....

Dated: ....

Plantation**Shutter** **Care** Guide

ultra20™
Plantation**Shutter**

Discover the innovative elegance

20 yr
warranty

Plantation**Shutter** Care Guide

Thank you for purchasing Ultra20 Plantation Shutters.

Plantation Shutters are designed to be an elegant long lasting window furnishing. To maintain the appearance and increase the longevity of your shutters please read Operating and Care Instructions.

operating instructions:

• When rotating blades – Tilt two blades at the same time from the centre of the section of blades.

• To hinge open panels tilt open blades and pull the fixed stile part of the panel. Never open or close the panels by the blades.

• To avoid damage to frame, larger panels should be assisted by lifting into frame. Lift by the stile or under the mid rail.

• Do not put hands through blades to access window.

• On Bi-Fold Shutters – Blades must be closed before panels are folded back.

care instructions:

• Keep shutters free from dust and dirt. Regularly dust panels with feather duster or vacuum with a soft brush attachment.

• To remove persistent dirt or stains use a soft slightly damp cloth with mild soapy solution and dry immediately.

• Do not use abrasive cleaners or scrub/rub shutters harshly. The finish may be affected.

• Keep Sliding and Bi-Fold tracks free from dirt and dust. Use Silicone Spray if needed on tracks only. Do not spray on shutters.

• Rotate blades regularly – If they are too stiff or loose – Adjust the tension screw located on the side of the panels. Only slightly adjust screw and test until desired tension is reached.

ultra20™
Plantation**Shutter**

20 yr
warranty

ultra20™
Plantation**Shutter**

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