RAM WINDOWS & DOORS

S-3200 Bifold Installation Instructions:

The product is top-hung.

Make sure the head is adequately supported.

Provide continuous threshold support.

Seal the jambs and the threshold 1/2" from the exterior of the frame.

Set frame into opening using temporary shims.

Shim and level threshold as necessary.

The threshold must be level - continuous shims are required.

Anchor threshold of #10 x 2-1/2 pph. Anchor head with #10 x 2-1/2 pph anchors.

Fill holes with Sealant before inserting screws to ensure penetration is completely sealed.

Mounting At Jambs:
Square and plumb the jambs, if necessary with shims.

Sealant should be pumped into jamb mounting holes to ensure penetration is completely sealed.

Anchor jambs with #10 x 2-1/2 pfh anchors.

Where the jamb and threshold meet, apply a full bead of quality sealant. Secure with the appropriate anchor screws.

Rough openings should be flashed with an appropriate moisture barrier, as per industry standards and/or building codes.

Caulk the perimeter of the door frame to the moisture barrier after installation. Apply sealant recommended by the moisture barrier manufacturer.

As a starting point:
Ensure that the rough opening is plumb, level, and approximately 12" wider and 12" taller than the net frame size.

Examine flashing.

Assemble the frame and apply the sealant to all joints to ensure a reliable seal.
Check main frame for fit - to fit required opening.

Application

For residential and commercial folding doors where weatherproofing of the opening is required.

This section covers Weatherfold 4s 50, 75 &100 hardware suitable for non mortice timber applications.

When extra corrosion resistance is required Weatherfold 4s is available with precision stainless steel bearings.

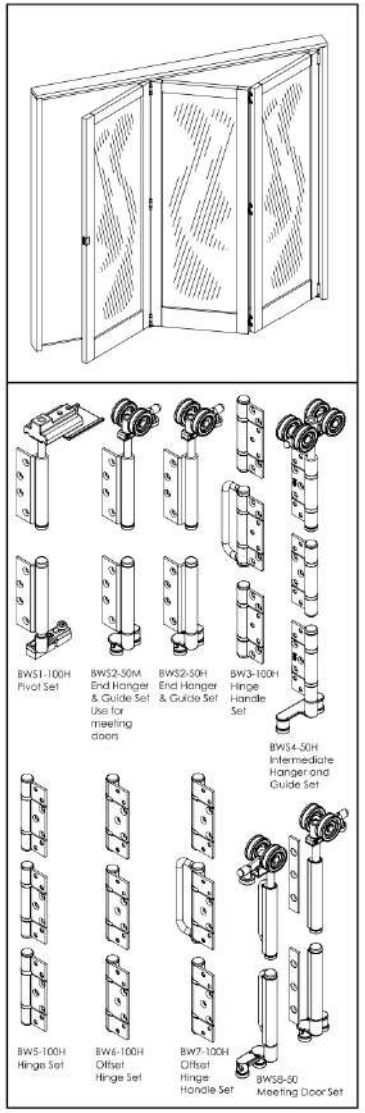
Door Specifications

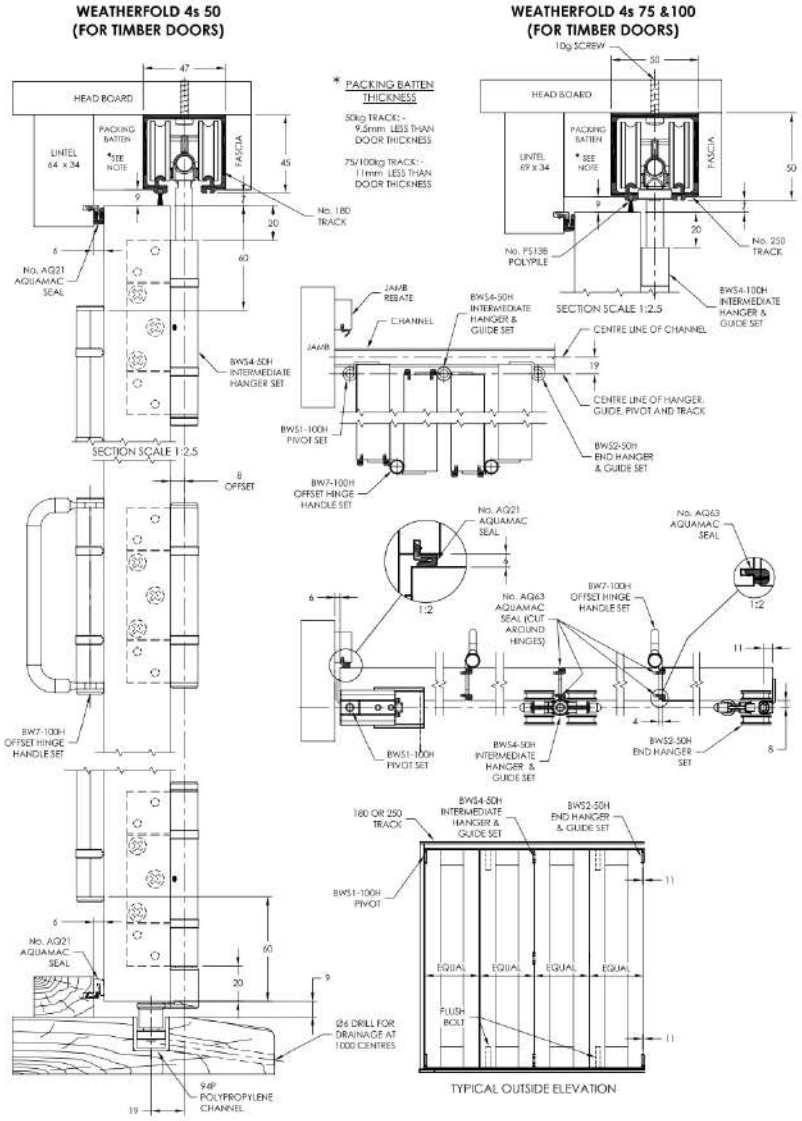
Track System:	Weatherfold 4s 50	Weatherfold 4s 75/100
Max Panel Height	3000mm	3300mm
Max Panel Weight	50kg	75/100kg
Max Panel Width	1000mm	1000mm
Panel Thickness	35-68mm	35-68mm
Max No. of Panels	8 each direction	8 each direction

Hardware Specifications - Timber Panels

Track:	180	250
Material	Aluminium in Mill or Clear Anodised	
Standard Lengths	2000mm, 3000mm, 4000mm and 6000mm	
Hanger Sets:		
Intermediate Hanger Set:	Includes Hanger, Guide and Hinge	
	BWS4-50H	BWS4-100H
End Hanger Set:	Includes Hanger and Guide	
	BWS2-50H	BWS2-75H (75kg)
		BWS2-100H (100kg)
Pivot Set:	Top & Bottom Pivots	
	BWS1-100H	BWS1-100H
Hinge Sets:		
Hinge Handle Set	BW3-100H	BW3-100H
Offset Hinge Handle Set	BW7-100H	BW7-100H
Hinge Set	BW5-100H	BW5-100H
Offset Hinge Set	BW6-100H	BW6-100H
Rebated Meeting Door Sets:	2 Hangers and 2 Guides	
	BWS8-50	BWS8-75 (75kg)
		BWS8-100 (100kg)
Channels:		
Polypropylene	94P	94P
Polyprop Plus Support	94PPA	94PPA
Aluminium	94A	94A
Standard lengths	2000mm, 3000mm, 4000mm and 6000mm	
Accessories:		
Flush Pull	401	401
Flush Bolt - 190mm	456	456
Flush Bolt - 450mm	456L	456L
Mortice Lock	6200	6200
Frame Seal - White	AQ21W	AQ21W
Frame Seal - Brown	AQ21B	AQ21B
Door Seal - White	AQ63W	AQ63W
Door Seal - Brown	AQ63B	AQ63B
Track Seal	PS13B	PS13B

Finish options
Hardware: (SS) Satin Stainless, (PS) Polished Stainless, (PB) PVD Brass.
Flushbolts: (SN) Satin Nickel, (PVDB) PVD Brass.





E: brio.sales@allegion.com E: brio.sales.uk@allegion.com E: brio.sales.usa@allegion.com

Codes

286 L - 25 D PBK
- Handle Finish: PBK (Black), PR (Physical Vapour Deposition Black), SN (Satin Nickel), SS (Satin Stainless)
- Tip Type: D (Stainless Steel D-Tip)
- Rod Set Length: 25 (1.5 & 1m Rods for 2.5m panels), 35 (2.5 & 1m Rods for 3.5m panels)
- Handle Type: L (Locking Handle with 30/10 Cylinder), N (Non-Locking Handle)

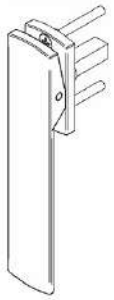
Dual Point Lock

Components no finishes shown.

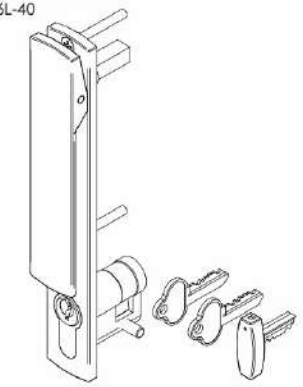
ALUMINIUM LOCK BODY
286A



NON-LOCKING HANDLE
286N



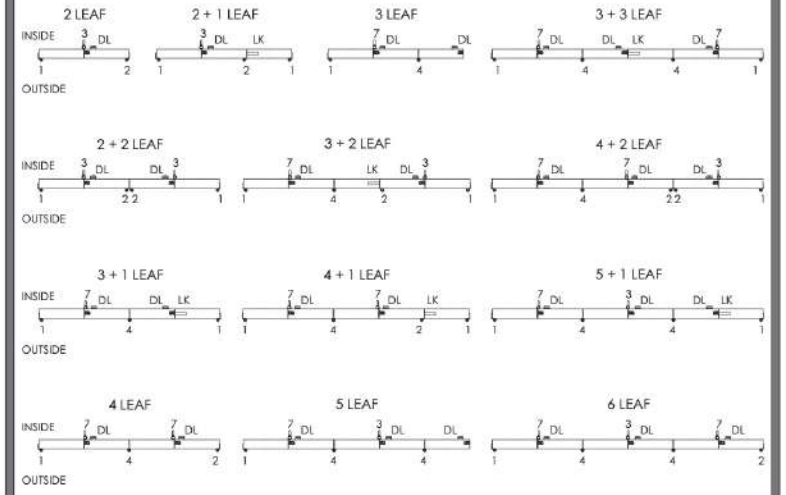
LOCKING HANDLE
286L-40



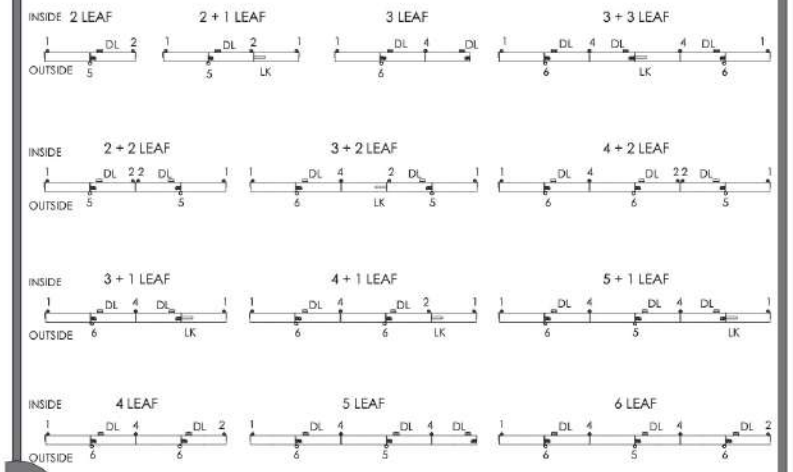
Rod packs	286-25D	286-35D
ALUMINIUM Ø8[0.315"] ROD & D-TIP ASSEMBLY	1x 1.5m 1x 1.0m	1x 2.5m 1x 1.0m
D-TIP GUIDE	2	2
SCREW PACK	1	1
SPACERS	1	1
DRESS PLATE	2	2
DRILLING JIG & DRILL BIT	1	1

Door Hardware Set Orientation DL = Dual Point Lock, LK = Lock, left systems shown

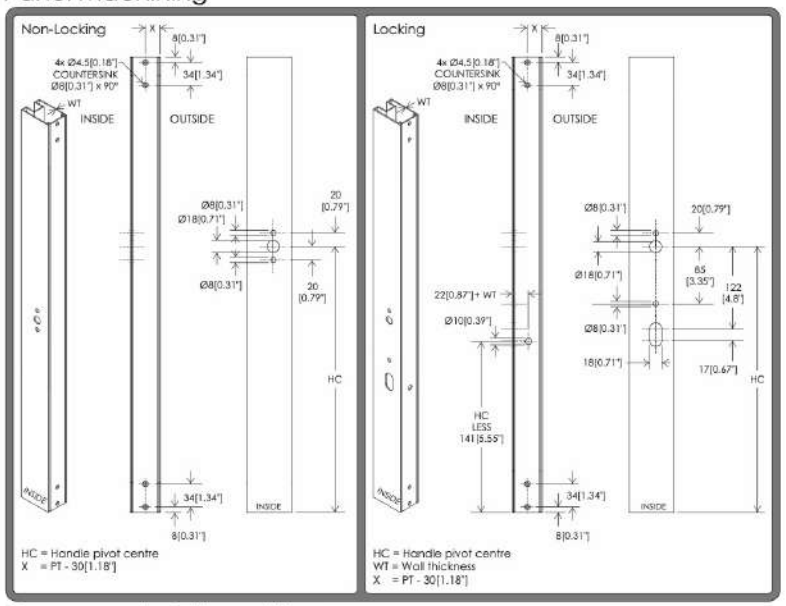
OUTWARD OPENING



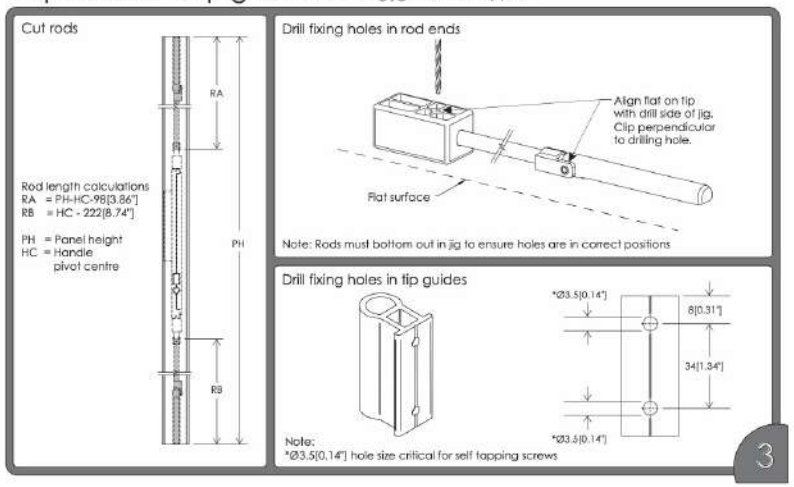
INWARD OPENING



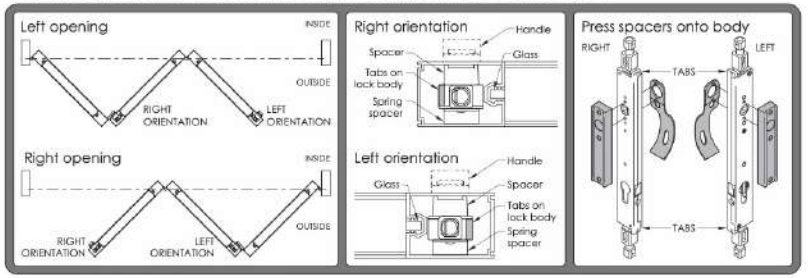
Panel Machining



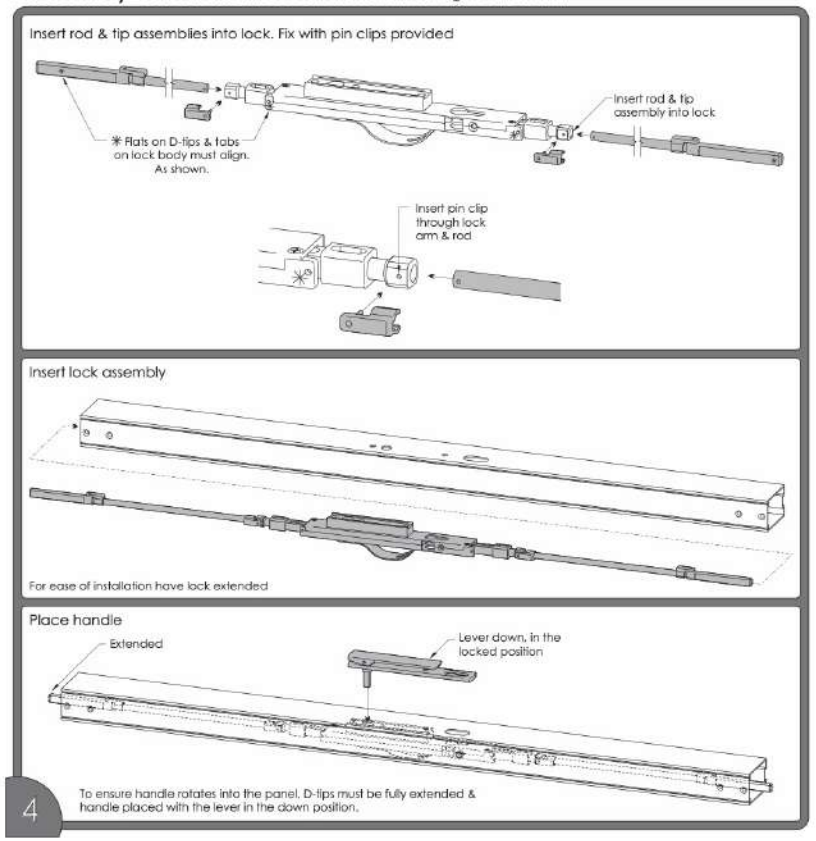
Prepare rods & tip guides rod drilling jigs & drill bit supplied.



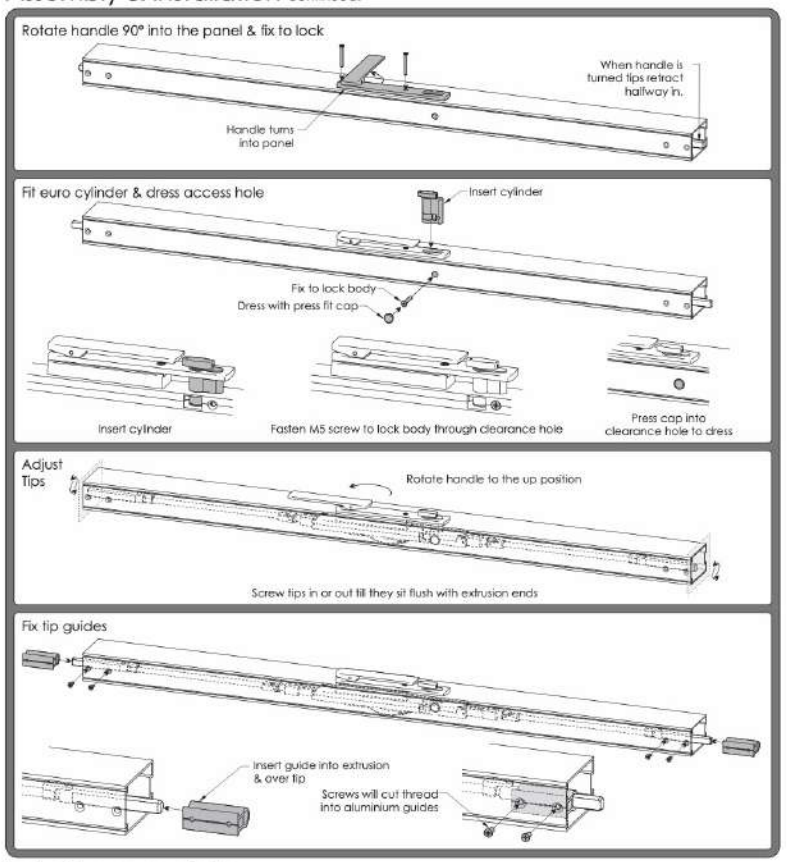
Orientation tabs on side of lock body are always positioned away from glass.



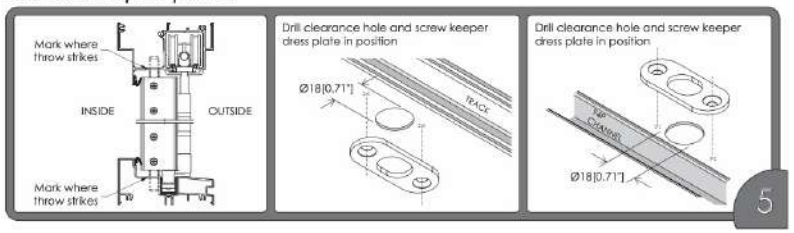
Assembly & Installation left orientation, locking handle shown.



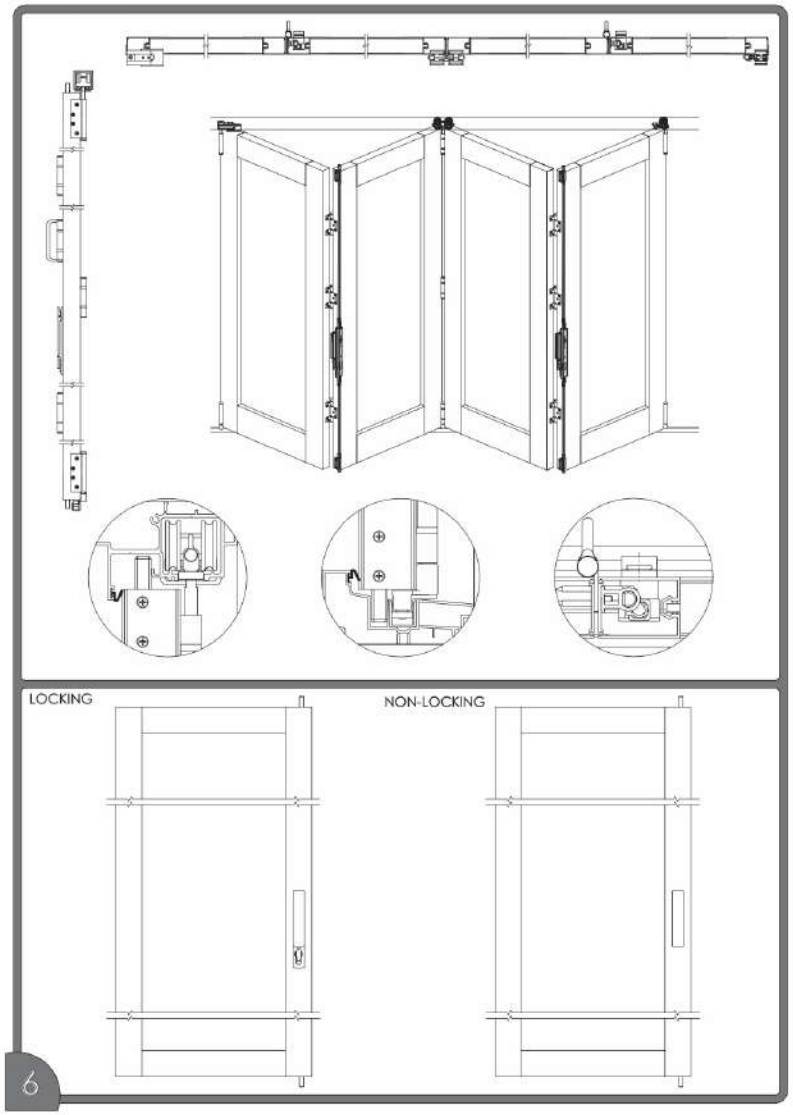
Assembly & Installation continued.



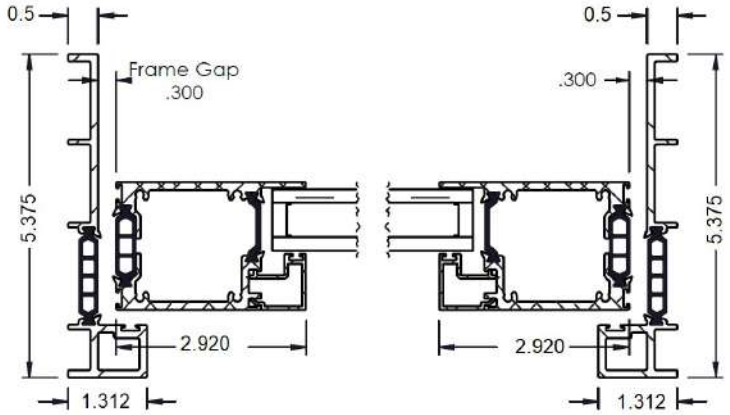
Install keeper plate



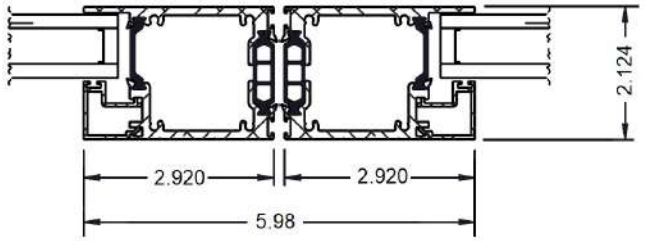
Overview



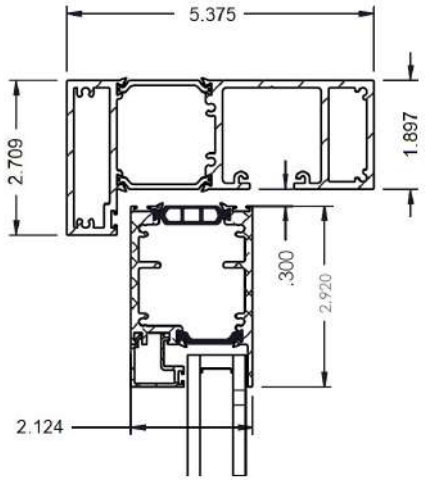
Bifold Door



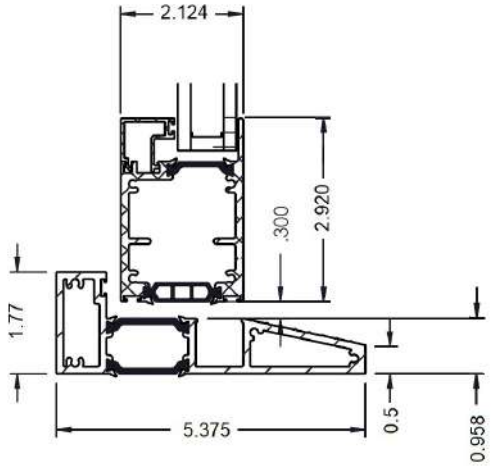
Frame Jamb/ Panel Stile



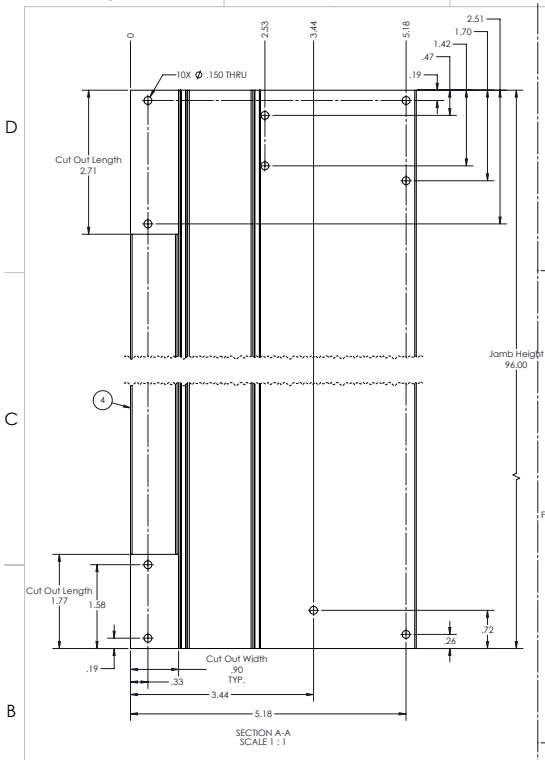
Internal Stile Condition

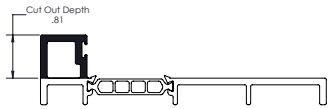


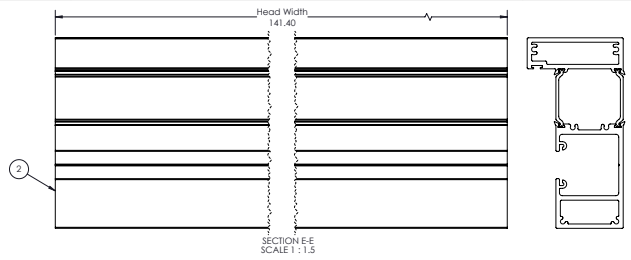
Bifold Frame Head / Top Rail

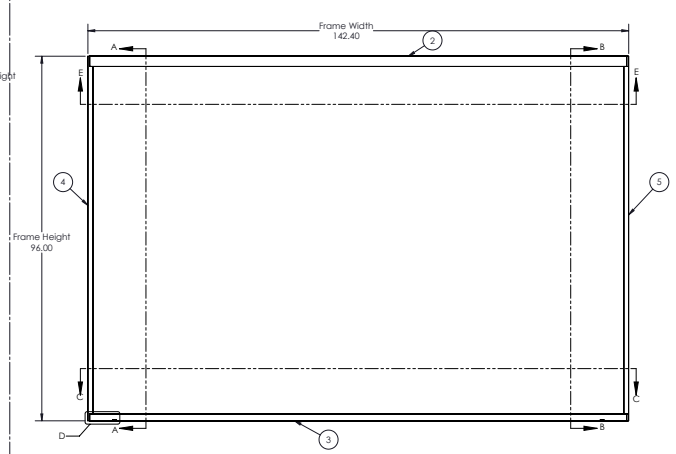


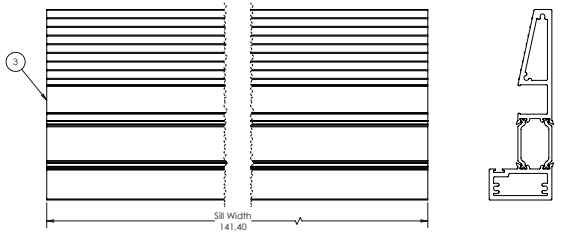
Bifold Frame Head / Bottom Rail

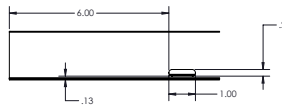




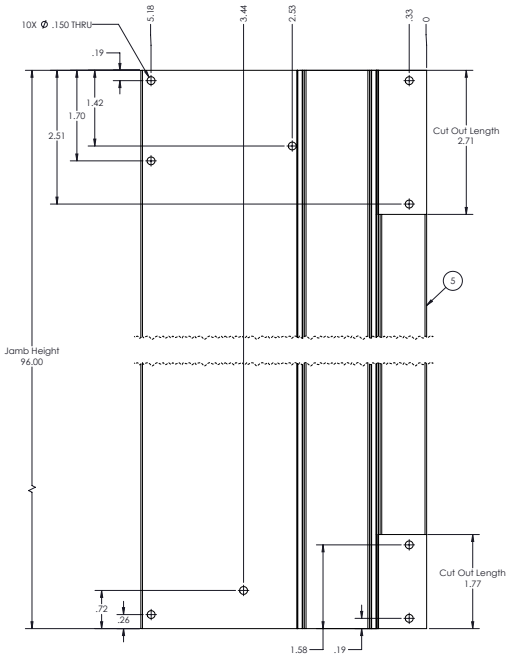


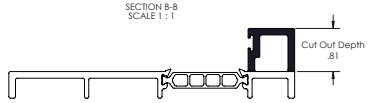






ITEM NO.	DESCRIPTION	Length	QTY.
2	Frame Head	141.40	1
3	Frame Sill	141.40	1
4	Frame Left Jamb	96.00	1
5	Frame Right Jamb	96.00	1





DRAWING APPROVAL

- ☐ APPROVED
- ☐ APPROVED AS NOTED
- ☐ REVISE AND RESUBMIT

SIGN _____ DATE _____

Please return one print set marked with your signature, any comments, and notation of approval for fabrication.

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF RAM INDUSTRIES. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF RAM INDUSTRIES IS PROHIBITED.

LEAD TIME		CUSTOMER	
GLASS WARRANTY		PROJECT	
FRAME WARRANTY		CITY	
FINISH WARRANTY		STATE	
		OUTER GLASS	
		AIR SPACE	
		INNER GLASS	

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±
ANGULAR: MACH ± BEND ±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±
INTERPRET GEOMETRIC TOLERANCING PER:
MATERIAL
FINISH
XX
DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	CG	12/11/2023
MARK		
QTY.		
FINISH		
DP		
COMMENTS:		

RAM INDUSTRIES

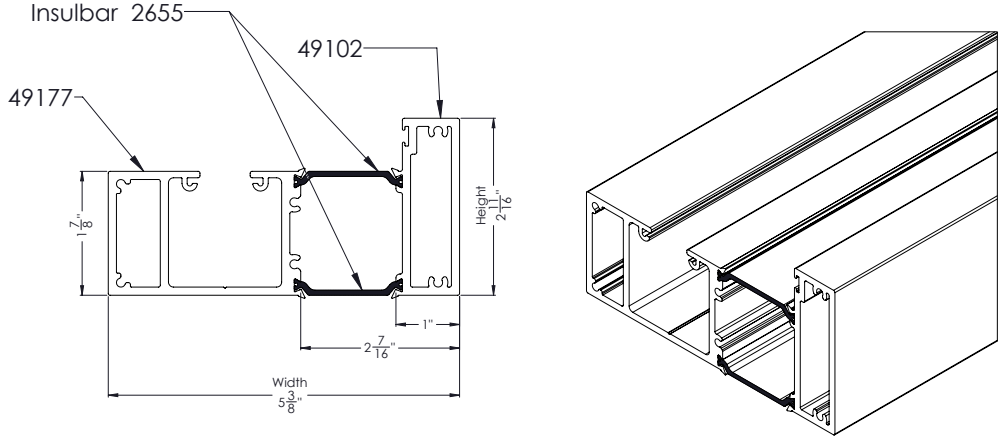
TITLE:
BI -FOLD FRAME ASSEMBLY

SIZE	DWG. NO.	REV
D	Bifold-Frame Assembly	

SCALE: 1:14 WEIGHT: 32.14 SHEET 1 OF 1



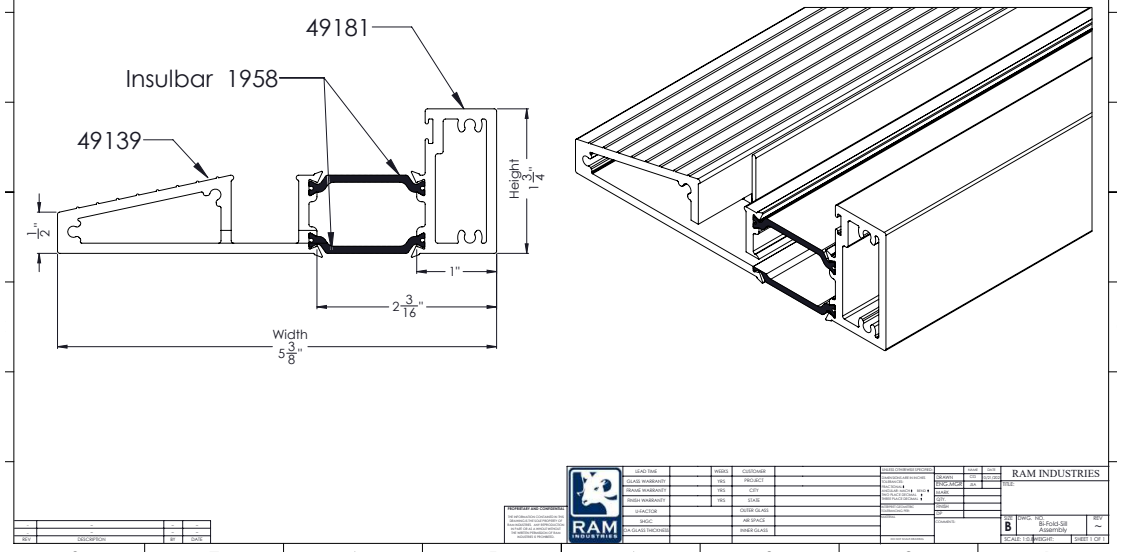
BI-FOLD HEAD ASSEMBLY



RAM INDUSTRIES



BI-FOLD,FRAME SILL ASSEMBLY

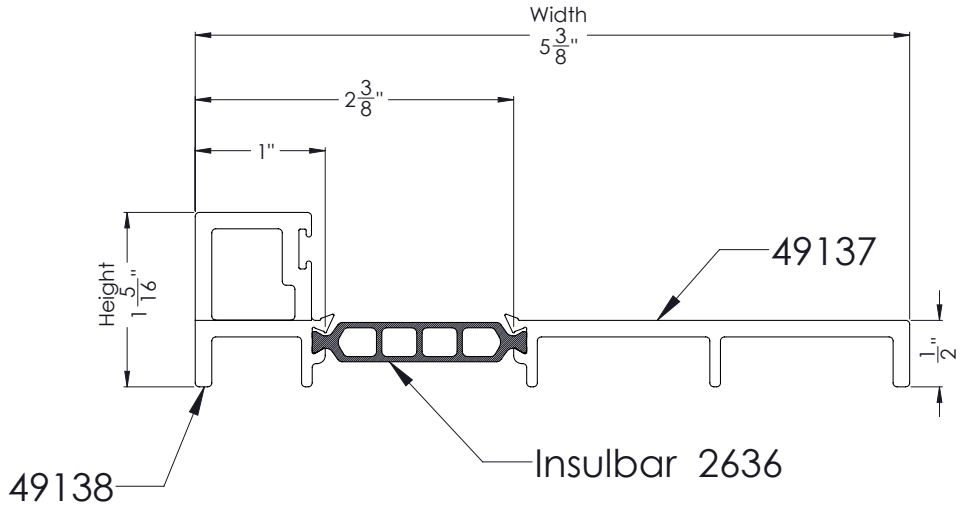


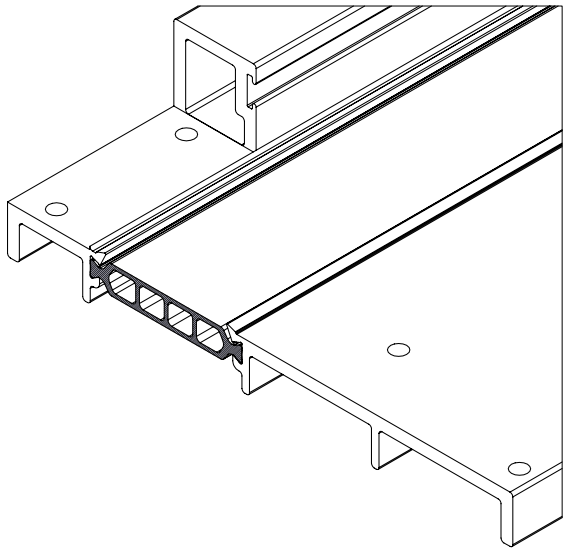
RAM INDUSTRIES

Bi-Fold-Sill Assembly

B

BI-FOLD, FRAME JAMBS ASSEMBLY





REV	DESCRIPTION	BY	DATE
–	–	–	–
–	–	–	–

PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF RAM INDUSTRIES. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF RAM INDUSTRIES IS PROHIBITED.

LEAD TIME		WEEKS	CUSTOMER	
GLASS WARRANTY		YRS	PROJECT	
FRAME WARRANTY		YRS	CITY	
FINISH WARRANTY		YRS	STATE	
U-FACTOR			OUTER GLASS	
SHGC			AIR SPACE	
OA GLASS THICKNESS			INNER GLASS	

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±
ANGULAR: MACH ± BEND ±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±
INTERPRET GEOMETRIC TOLERANCING PER:
MATERIAL
DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	CG	10/21/2021
ENG-MGR	JSA	
MARK		
QTY.		
FINISH		
DP		

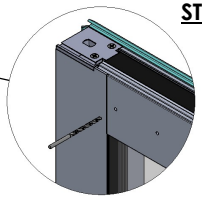
COMMENTS:

RAM INDUSTRIES

TITLE:

SIZE	DWG. NO.	REV
B	Bi-Fold-Jambs Assembly	~
SCALE: 1:0.5	WEIGHT:	SHEET 1 OF 1



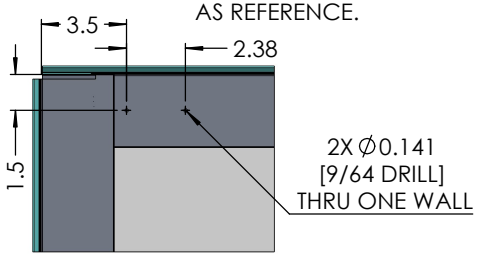


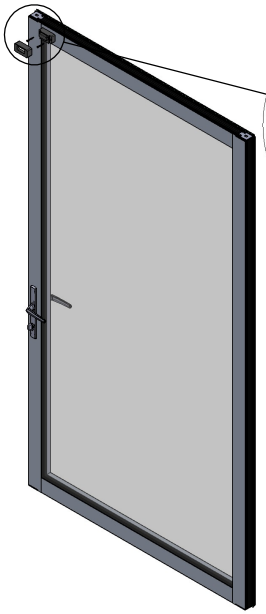
STEP 1

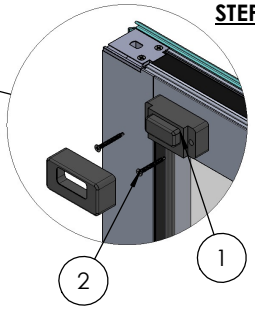
PRE-DRILL [9/64"] INSTALL HOLES ON TOP RAIL.

ONCE PANELS HAVE BEEN ADJUSTED VERIFY CLEARANCE AND SPACING FOR BOTH FRAME + HANDLE HARDWARE. MOCKUP BOTH MAGNETS PRIOR TO DRILLING.

UTILIZE DIMENSIONS BELOW AS REFERENCE.





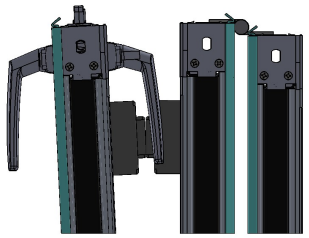


STEP 2

USE 2X #8 X 1.5" PHFH SELF DRILLING FASTENERS TO INSTALL MAGNET ONTO TOP RAIL.

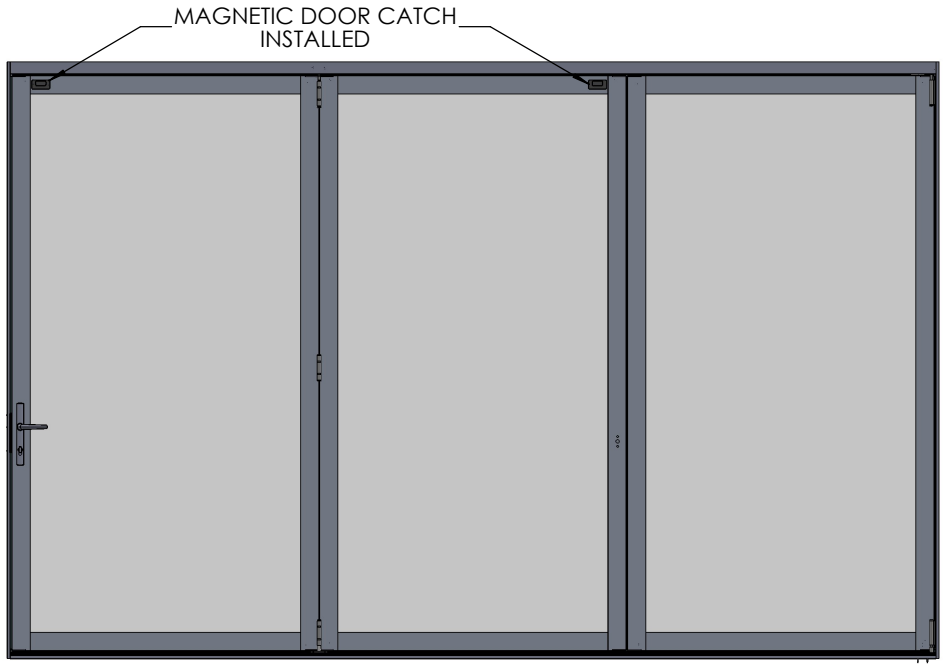
SNAP COVER OVER THE MAIN BASE PLATE.

REPEAT STEPS FOR SECOND PANEL.



PANELS OPENED

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	HW-BF-DOOR-CATCH-XXX	MAGNETIC DOOR CATCH (PAIR)	1
2	FS-N8-PFT-SS-24	#8 X 1.5" PHFH SS SELF DRILLING SCREW	4



3L INSWING
INTERIOR ELEVATOIN

RAM WINDOWS & DOORS

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	MAGNETIC CATCH INSTALLATION
DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL±1/8 ANGLES± 1 DEG ONE PLACE DECIMAL ±0.2 TWO PLACE DECIMAL ±0.06 THREE PLACE DECIMAL ±0.010	DRAWN	BE	8/11/2026	
	ENG APPR.			TITLE:
	CONFIGURATION 3L - INSWING			S3200 - Bifold - 3L - Inswing - Complete Unit Assembly - 150 x 96
	MATERIAL			SIZE B / DWG. NO. 50000131 / REV 0
	FINISH			SCALE: 1:20 / SHEET 1 OF 3

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF RAM WINDOWS & DOORS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF RAM WINDOWS & DOORS IS PROHIBITED.

Magnetic Door Catch

INSTALLATION INSTRUCTIONS

Centor Europe
+44 (0)121 701 2500
mail@centor.eu
www.centor.eu

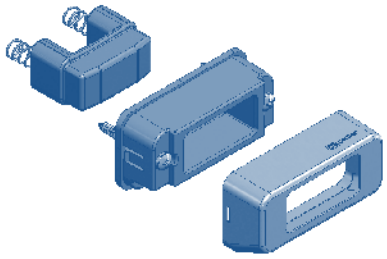
Centor North America
toll free 866-255-0008
mail@centorarchitectural.com
www.centorarchitectural.com

Centor Asia Pacific
1300 CENTOR
mail@centor.com.au
www.centor.com.au

centor® ARCHITECTURAL

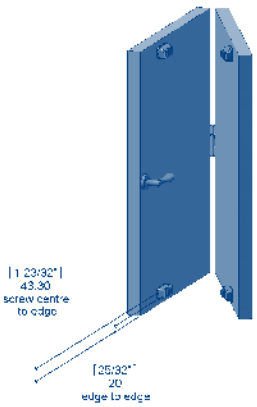
1. ASSEMBLE

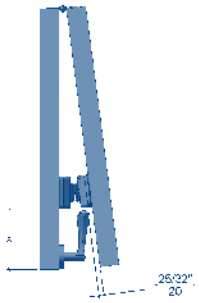
Assemble the door catch in the order shown.
Ensure the springs remain in place.



2. LOCATION

The location of door catch is recommended as shown.
Ensure there is enough clearance for door furniture.

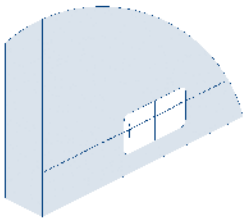




Dimensions are a reference only.

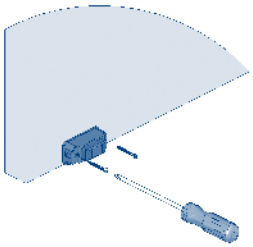
3. POSITIONING TEMPLATE

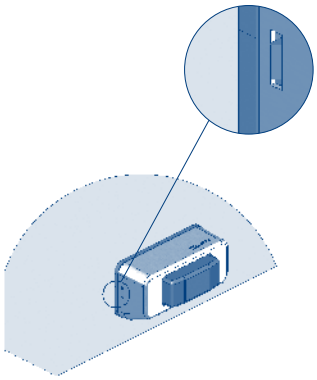
Mark the door panel with the desired location of the door catch. Line up the template (see TEMPLATE below) and mark the screw holes.



4. ATTACH TO DOOR

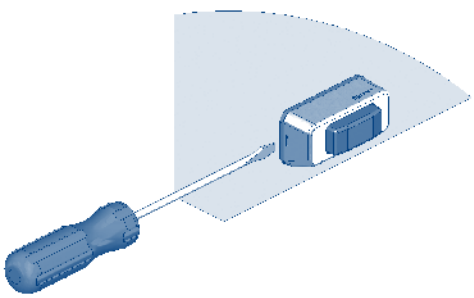
a) After pre-drilling the screw hole, fix the set onto the door panel as shown.
b) Add the cover, ensuring the clip is through the slots on each side.
c) Repeat for each door catch.





5. REMOVAL

Push the clips in on both sides and remove the cover from the base. Unscrew the screws to remove the door catch from the door panel.



TEMPLATE

Cut out template below to accurately position door catch on door panel.

