

Modern Door Warehouse

Installation Manual

Bifold Door

MDW
MODERN DOOR WAREHOUSE





Door Components List
(For Installation Reference)

- 4 x Panel Frame 3" W x 3" D
- Head (Thermal break) 2 1/8" W x 3" D
- Seal (Thermal break) 1 3/8" W x 3" D
- Panel Frame (Thermal break) 3" W x 3" D
- Left/Right Thermal Break Frame
- 4 x Low E Glass
- 2 x Jam (Side) 2 1/4" W x 3" D
- Double Pane Glass 1/8" Glass
- Heavy Duty Hinges
- High Quality Handle With 3 Point Lock



Installation Instructions (Pre-Installation Checklist)

- Step 1: Prepare the Opening
Ensure that you allow an additional ¼ inch (6.35 mm) of clearance on each side, as well as on the top and bottom of the door frame. This clearance is essential for adjustment and proper fit.
- Step 2: Check Level and Plumb
Ensure all sides of the rough opening – including the floor, top header, and side jambs – are completely level and plumb.

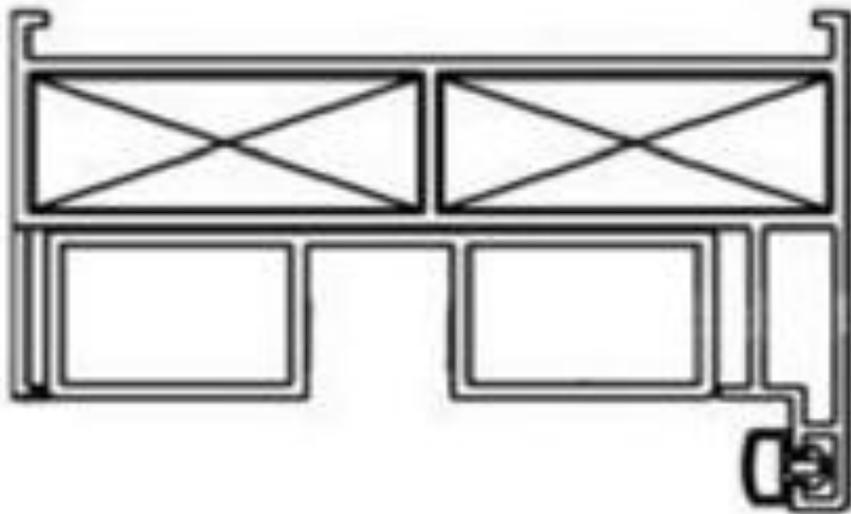
Use a spirit level or laser level for best results.

Frame Direction for Inswing and Outswing Doors

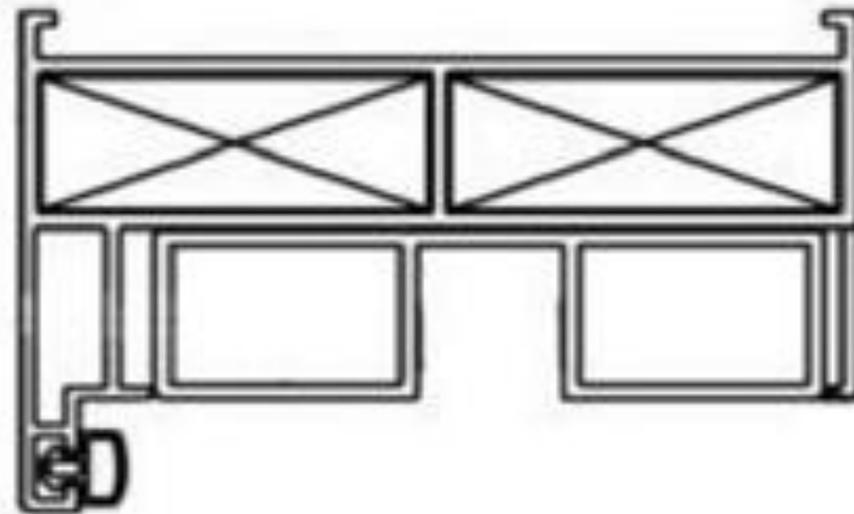
To ensure correct installation, it's important to position the frame based on the swing direction of your door:

- Outswing Door:
The shorter side of the frame should face outside the house.
- Inswing Door:
The shorter side of the frame should face inside the house.

inside



outside

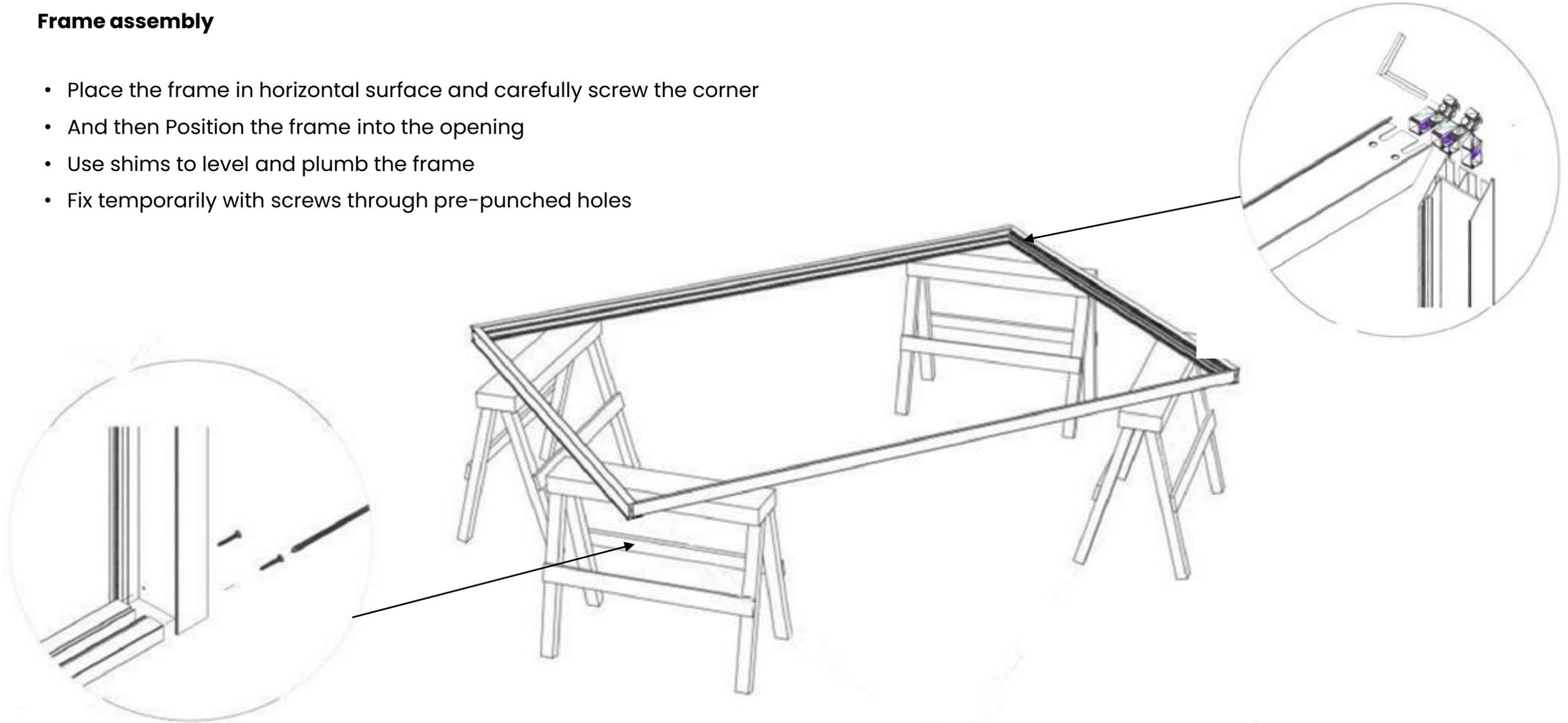


inside

outside

Frame assembly

- Place the frame in horizontal surface and carefully screw the corner
- And then Position the frame into the opening
- Use shims to level and plumb the frame
- Fix temporarily with screws through pre-punched holes

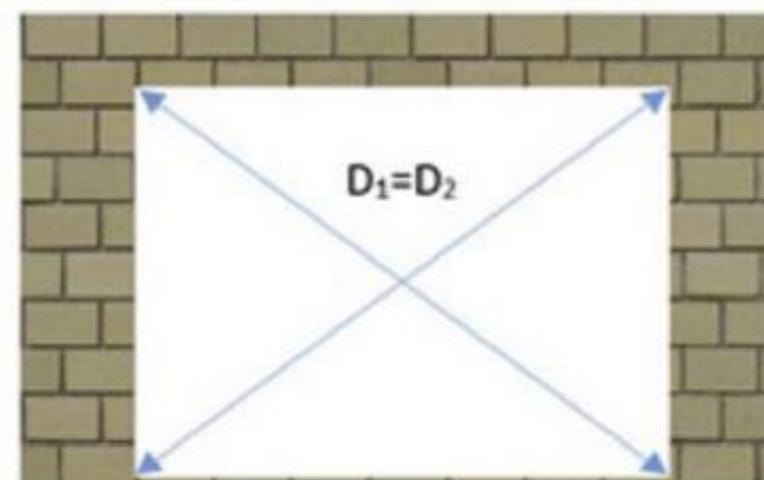
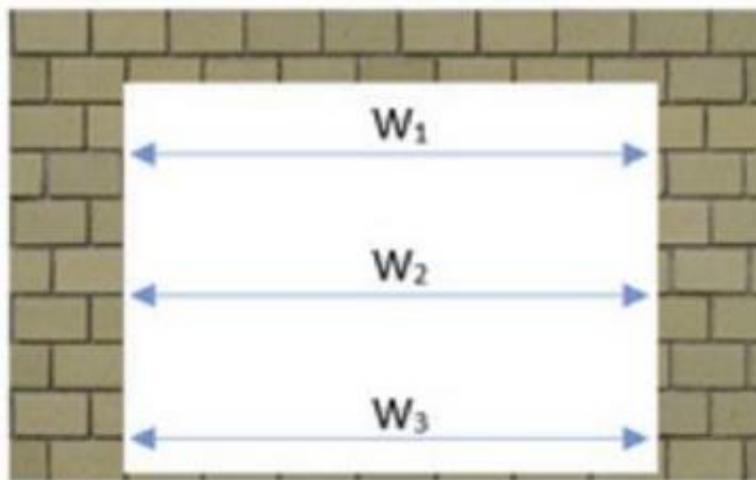
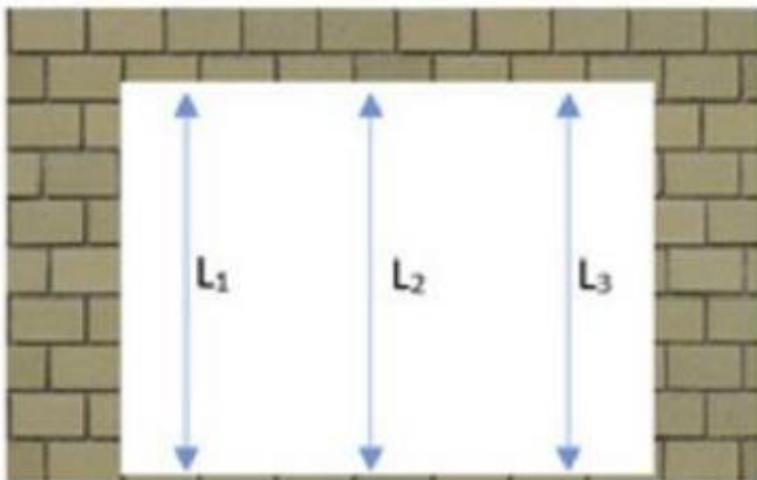


Creating the Rough Opening on the Wall

To ensure proper fit and smooth operation of the door, the rough opening must be square, level, and plumb. Follow the measurement guide below:

Step-by-Step Measurement Guide:

- Height (L): Measure from floor to top at three points – left (L1), center (L2), and right (L3).
 Ensure: $L1 = L2 = L3$
- Width (W): Measure from side to side at three points – top (W1), middle (W2), and bottom (W3).
 Ensure: $W1 = W2 = W3$
- Depth (D): Measure the wall thickness at two points – left (D1) and right (D2).
 Ensure: $D1 = D2$



Frame Installation

To ensure smooth operation and long-term performance of your door, it's essential to properly prepare and install the frame.

Spacing Requirements

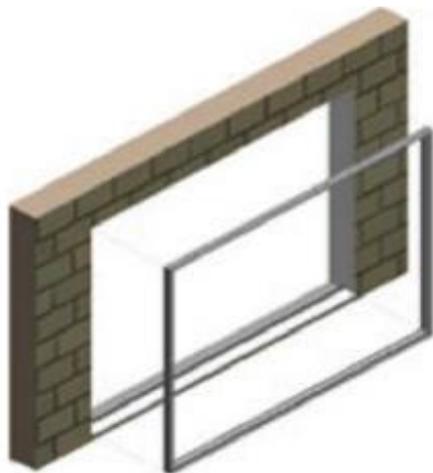
- Allow an additional ¼ inch (6 mm) clearance on each side, including the top and bottom of the frame.
- This clearance ensures ease of adjustment during installation and helps prevent issues with door operation.

Leveling

- Use a leveling tool to check that:
 - All sides of the opening are plumb (vertically straight) - The floor is level
- An uneven or unlevel base can result in:
 - Difficulty in opening or closing the doors and Improper locking mechanism alignment.

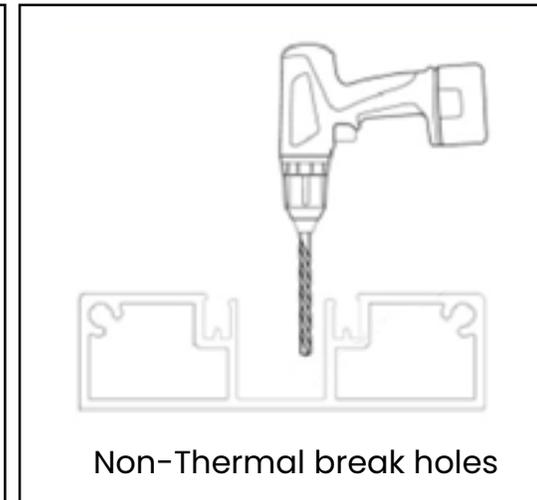
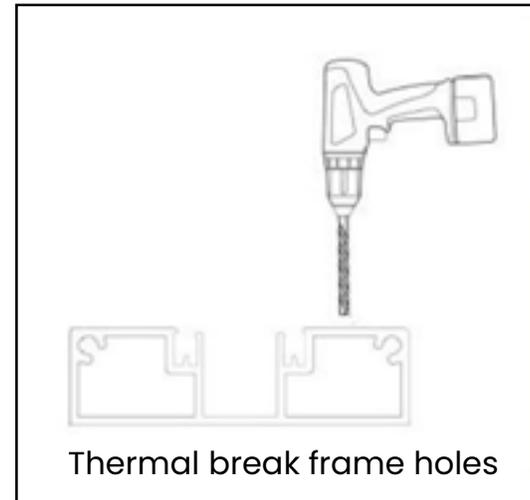
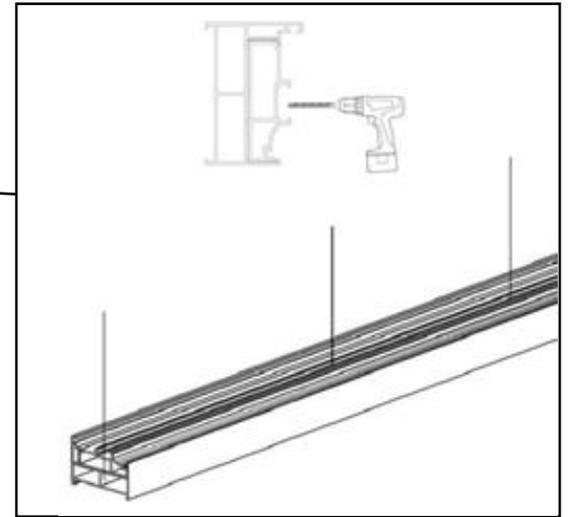
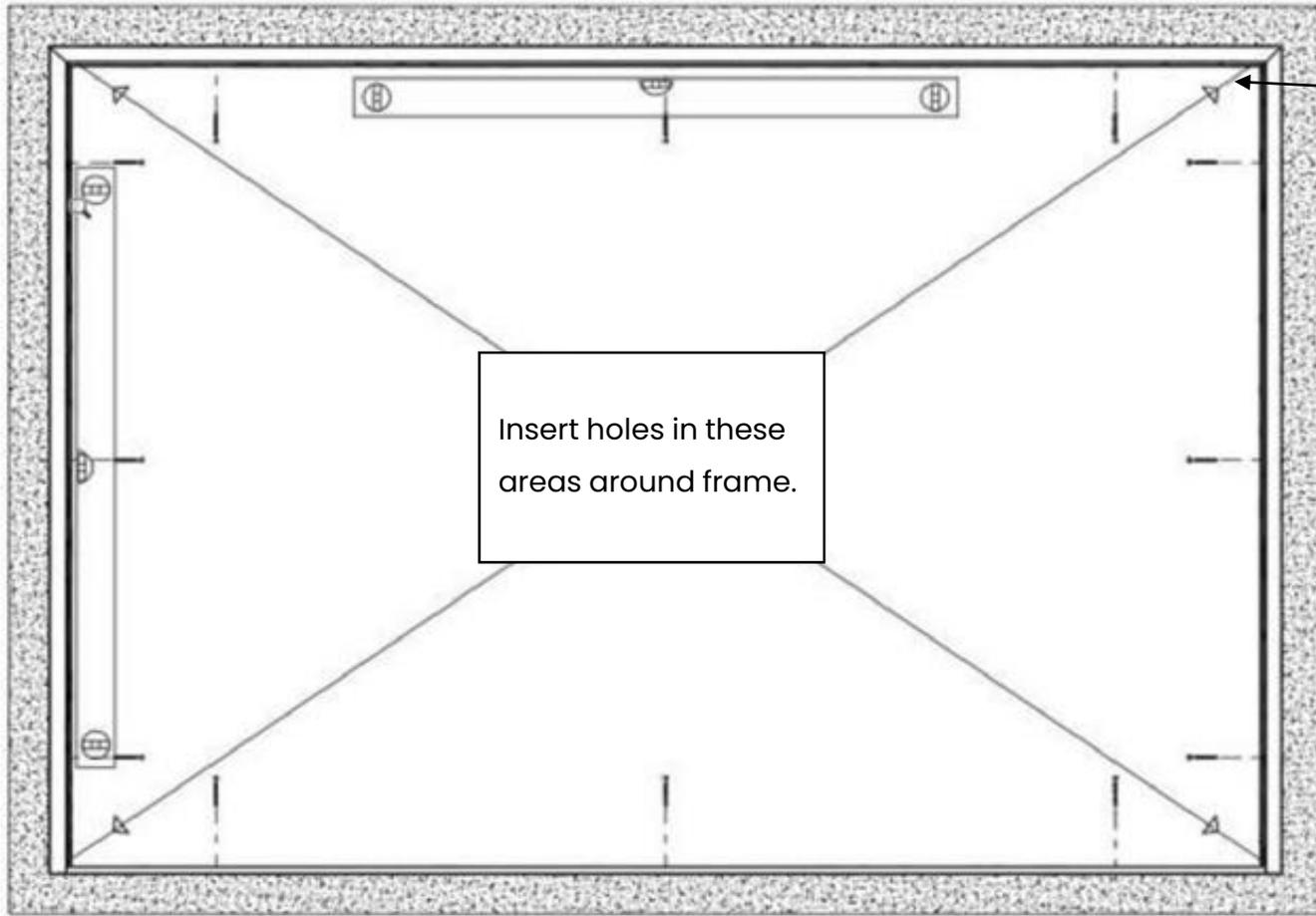
Rough Opening Tip

- When preparing your rough opening, ensure there is ¼ inch space on all sides around the frame.



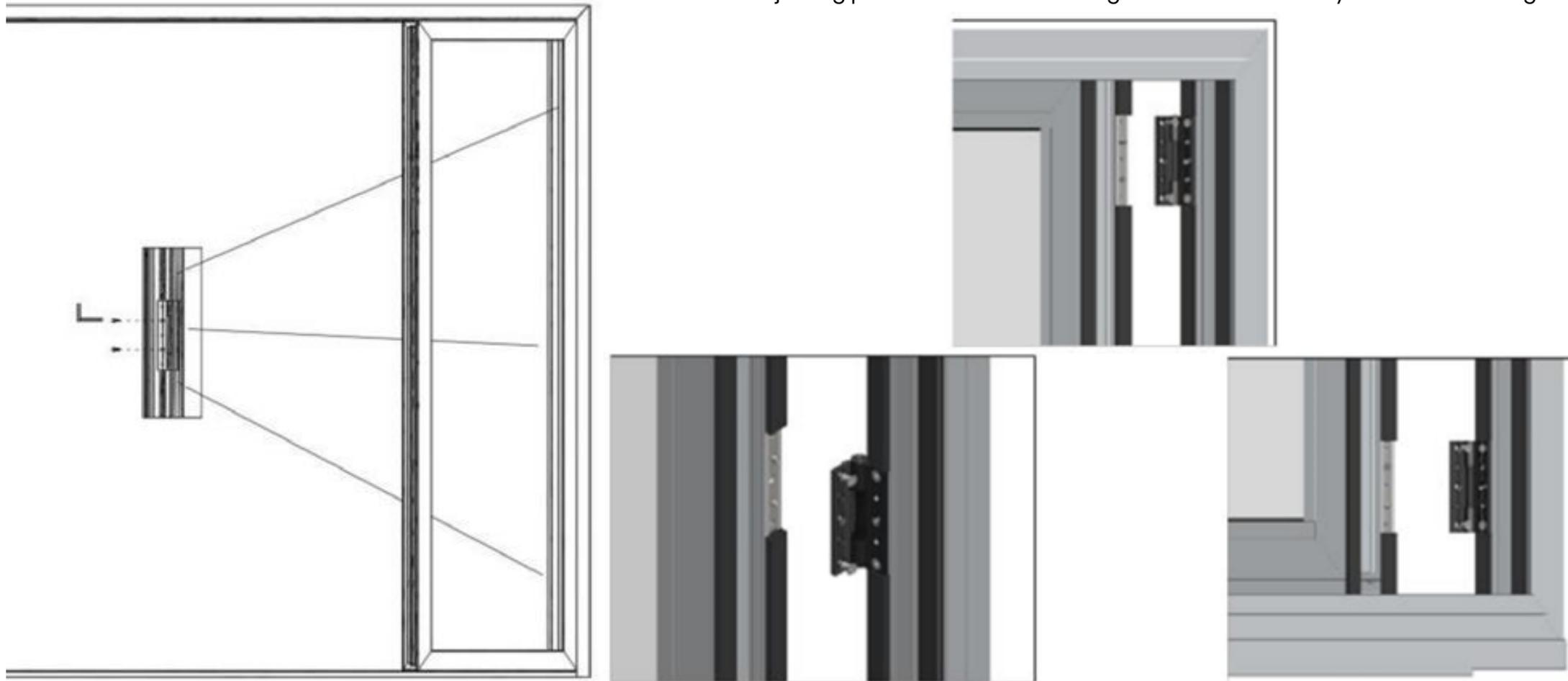
-  Important: An accurate and level frame installation is critical to prevent long-term performance issues.

Frame Installation



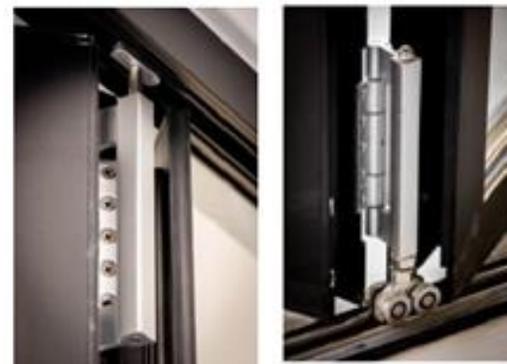
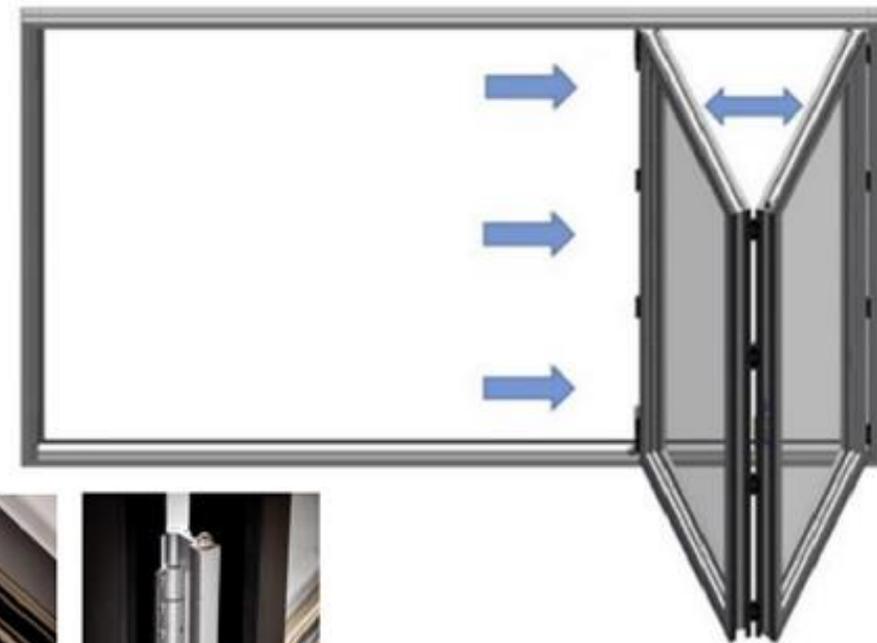
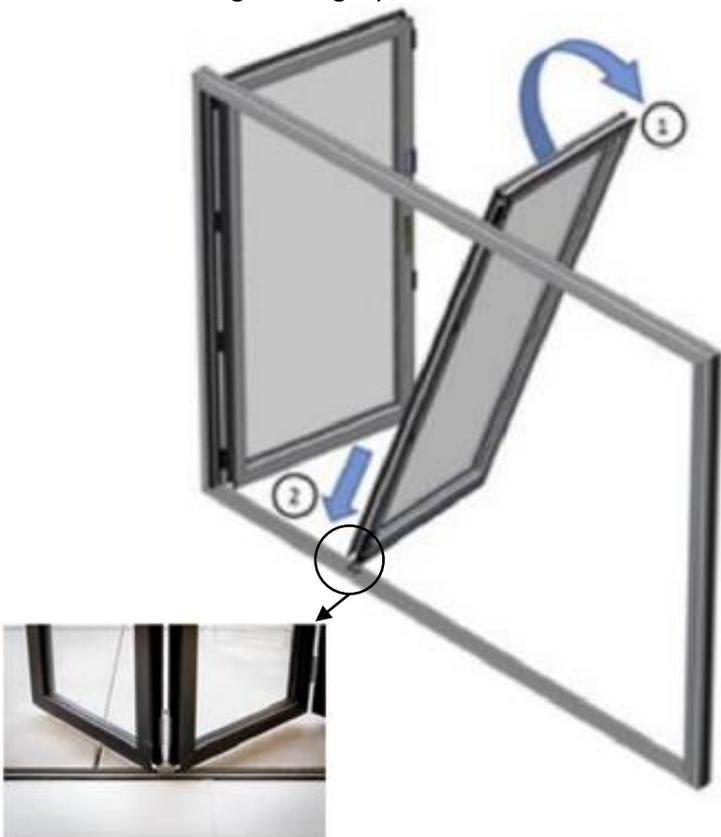
Sash & Panel Installation

- Identify the correct order of the panels based on your door configuration (e.g., left-to-right, right-to-left, center-out). Carefully lift and insert each panel into the frame, starting from the fixed side (if applicable). Use gloves and padding to protect the panel surface and glass from damage during handling.
- **Connect Hinges and Roller Tracks** – Attach the hinges between each adjoining panel. Ensure that all hinge screws are securely fastened and aligned vertically.



Sash & Panel Installation

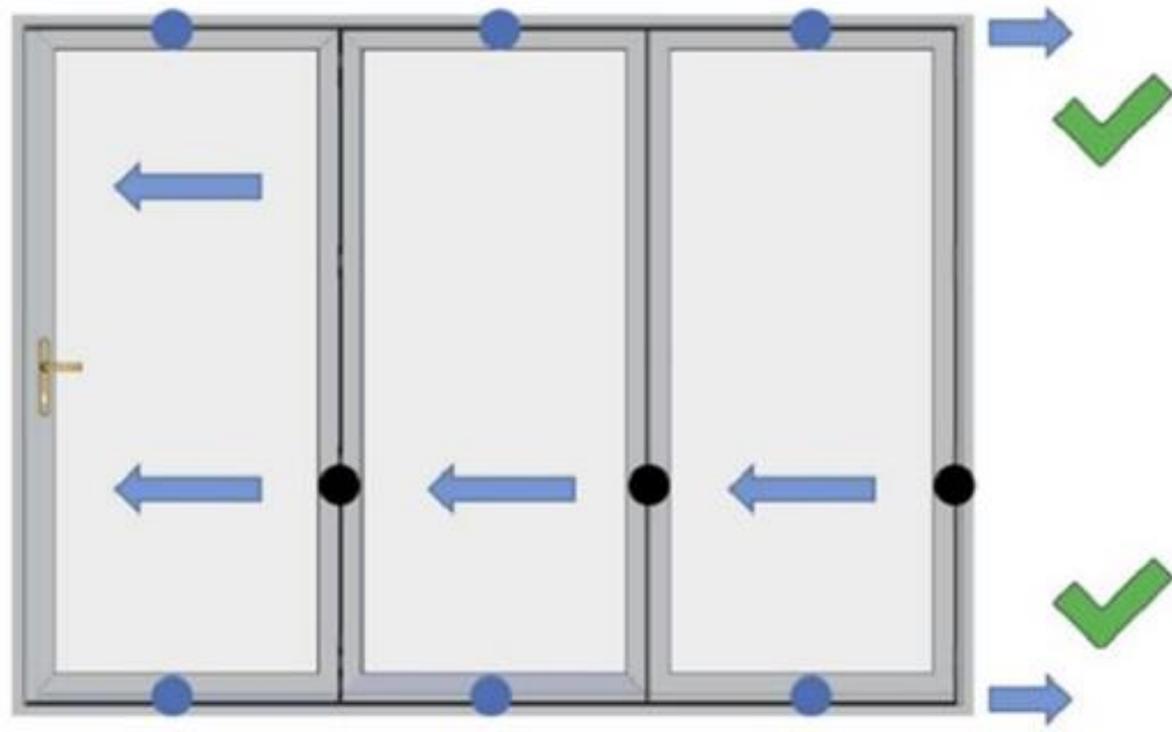
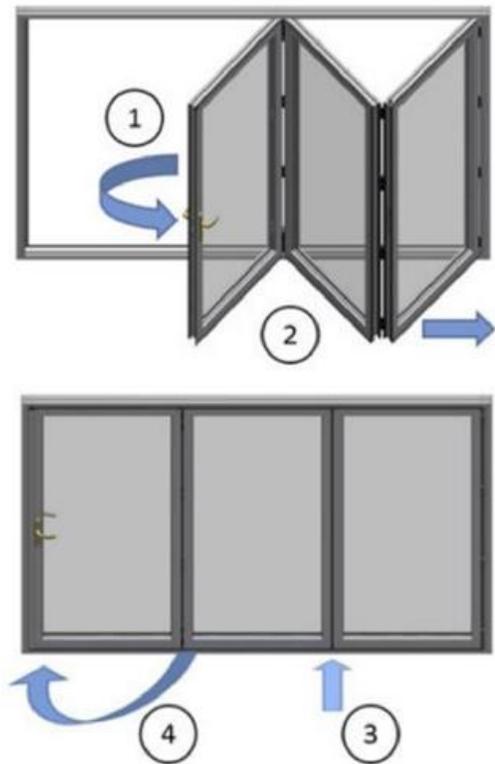
- For folding/sliding doors, insert the rollers into the top/bottom track as required. Ensure that each roller is correctly seated and able to slide or pivot smoothly. Double-check that rollers are not tilted or jammed.
- Adjust Panel Alignment - Once all panels are in place and connected: Check the alignment at the top, bottom, and sides. Use adjustment screws on the hinges or rollers to align the panels properly. Panels should move smoothly without resistance or friction. Verify even spacing between panels and frame edges to avoid rubbing during operation.



Sash & Panel Installation

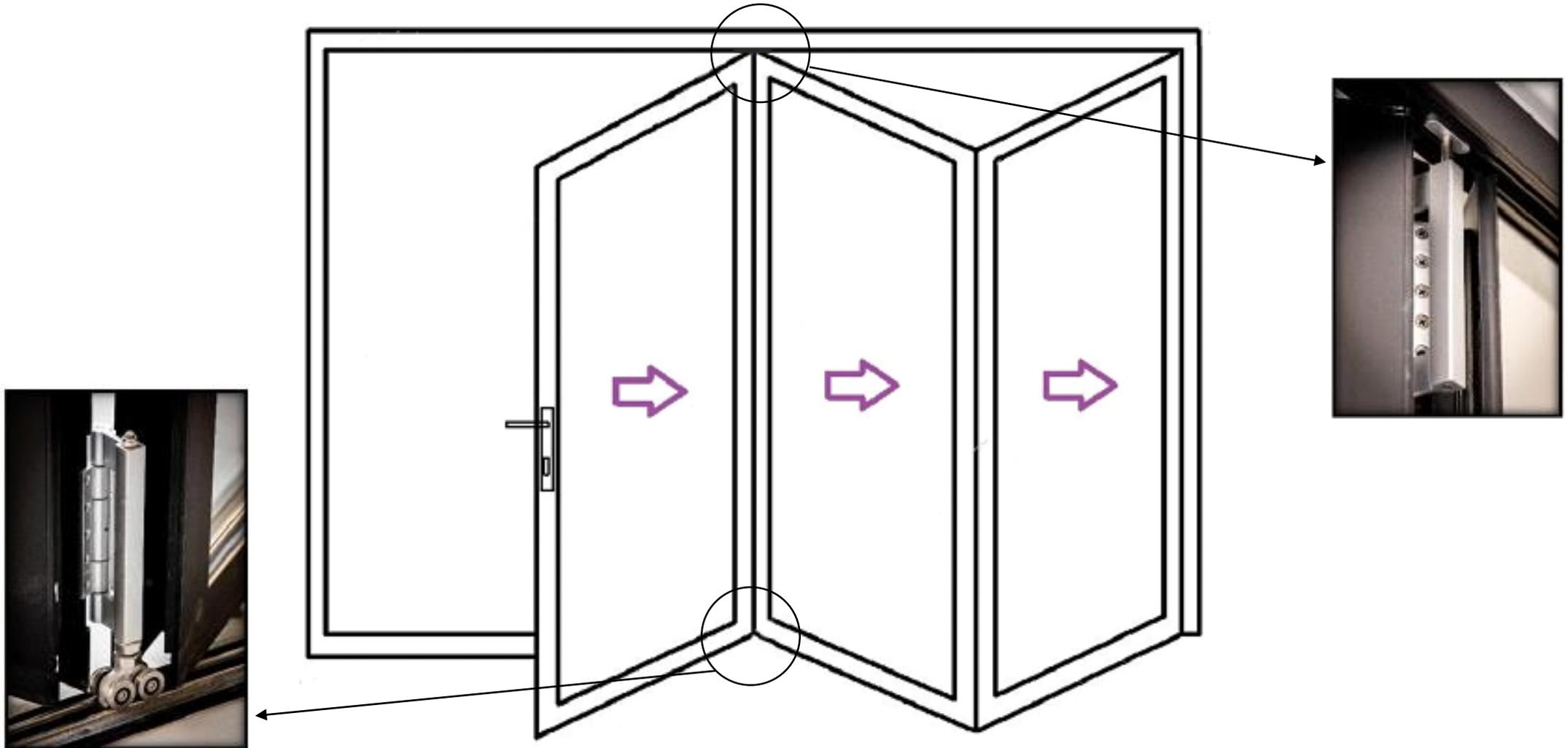
Test Movement

- Gently open and close the panels several times to ensure:
 - Smooth sliding/folding operation
 - Proper panel stacking or folding behavior
 - Secure engagement with locking points
- ⚠ Tip: Always verify that the bottom rollers or pivots are seated properly in the track and aligned with the upper guide track to avoid mis-operation.



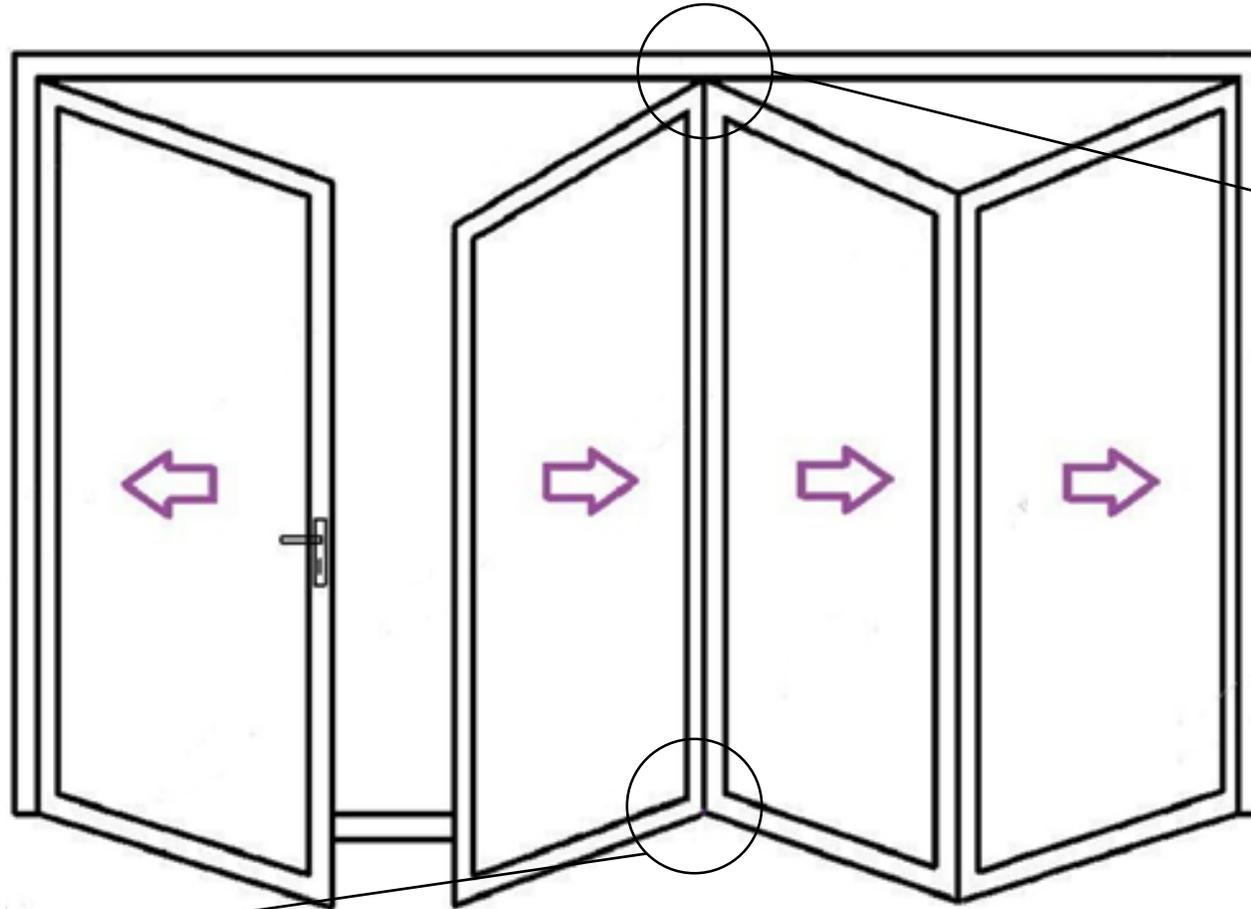
Bi-Fold door with 3 Panels

- The top roller and bottom roller will be between panel 2 and panel 3



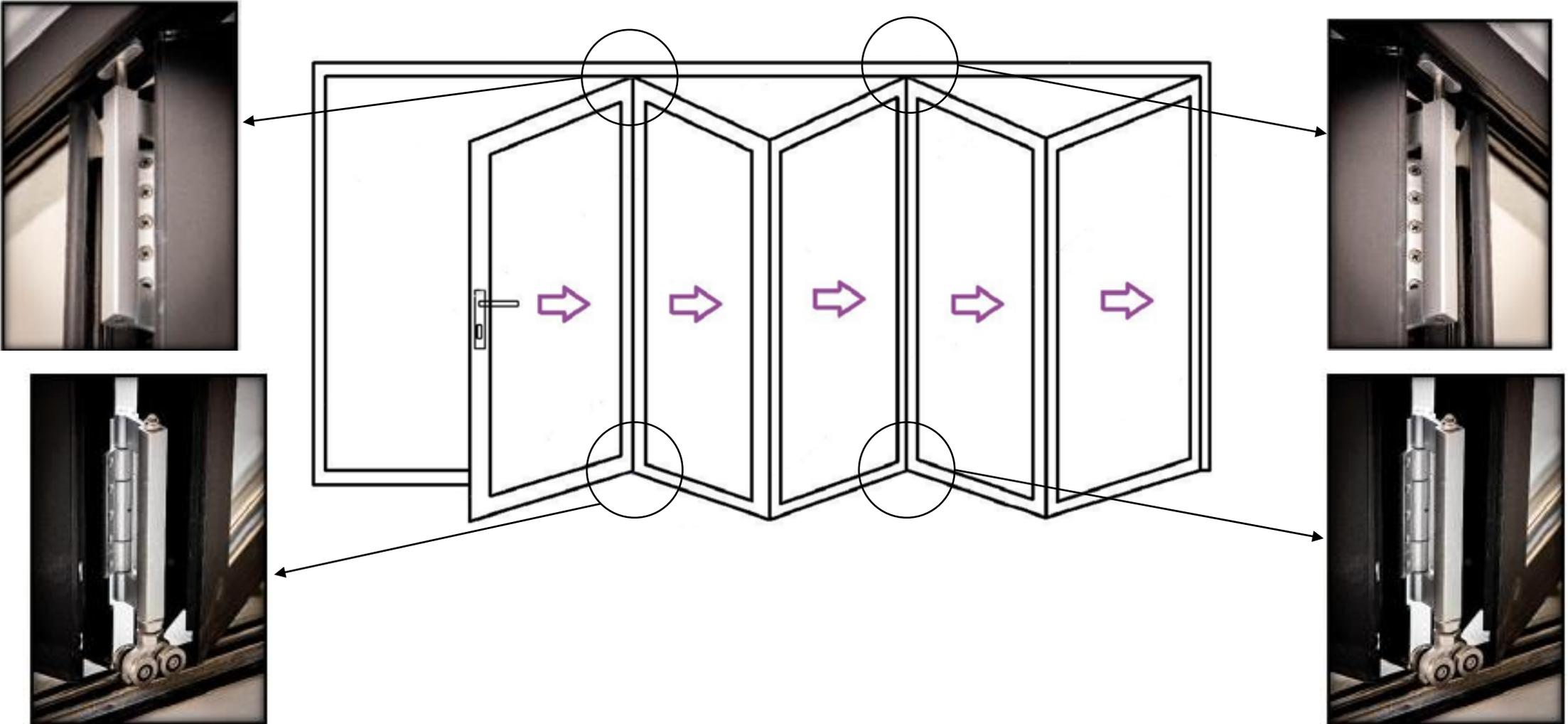
Bi-Fold door with 4 Panels

- The top roller and bottom roller will be between panel 2 and panel 3



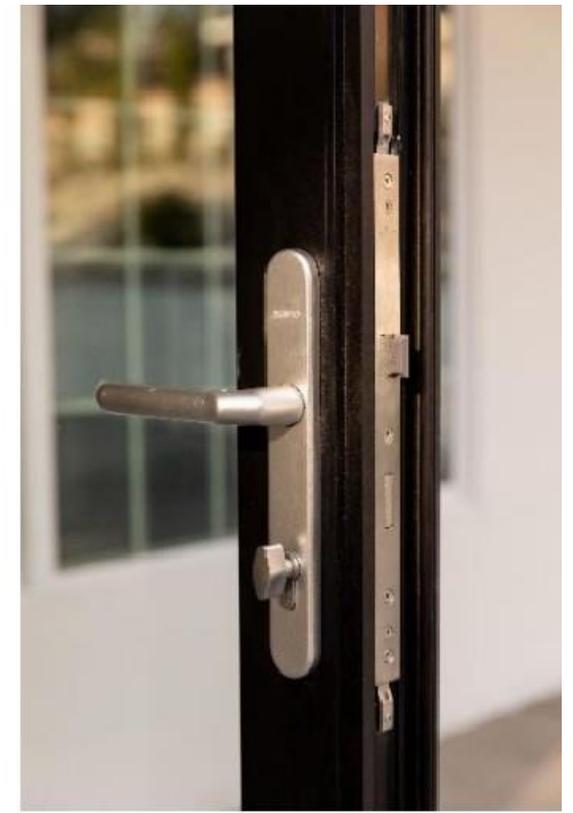
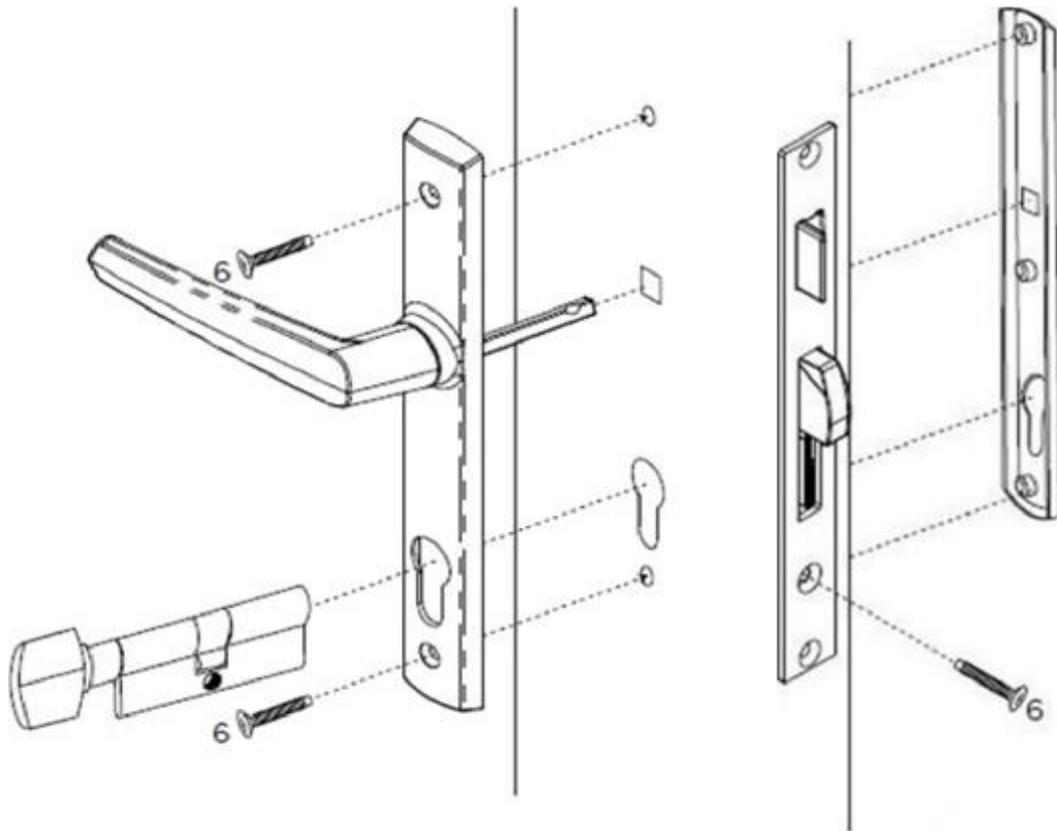
Bi-Fold door with 5 Panels

- The top roller and bottom roller will be between panel 2 & panel 3 - panel 4 & panel 5



Lock Installation

1. Position the Lock - Mark the handle height (around 36"-40") and align the lock on the active panel.
2. Install Lock Body & Handle - Insert the lock mechanism, secure with screws, and attach interior/exterior handles.
3. Install Strike Plates - Mark lock points on the frame, install strike plates, and align properly.
4. Test the Lock - Check locking/unlocking action, handle movement, and full engagement of all locking points.



Final Check and Installation Complete

- Operate door fully to test motion and locking. Ensure all screws are tightened. Verify insulation, alignment, and water drainage
- Your door installation is now complete. The final result should show properly aligned frames and panels, smooth operation, and a secure locking mechanism.



Adjustment Tips: Raising or Lowering the Panels

- To Raise the Panels: Loosen the top screw and tighten the bottom screw.
- To Lower the Panels: Tighten the top screw and loosen the bottom screw.

Use a screwdriver and make small adjustments gradually while checking panel alignment.



Maintenance Tips

- Clean tracks regularly
- Lubricate moving parts every 6 months
- Inspect seals annually
- Avoid harsh chemicals when cleaning glass or aluminum

How to fix lock if doesn't turn all the way.



Make sure the small switch is fully moved to the right or left side. Use a screwdriver to slide the switch into position until it clicks securely into place.

Thank You!

Thank you for choosing MDW for your aluminum door system.
We appreciate your trust in our products.

If you have any questions or need further assistance, please don't hesitate to
contact our support team.

Enjoy your new door – built for durability, style, and performance.



Contact & Support

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