



INSTALLATION INSTRUCTIONS

SERIES 9200 | BIFOLD DOOR SYSTEM



ALL WEATHERTM
ARCHITECTURAL ALUMINUM



INSTALLER

- Read instructions completely before attempting installation. Failure to follow these guidelines will forfeit all warranties (written or implied). All-Weather will not be held responsible for any claims or damages resulting from installation.
- Always provide a copy of these instructions to the homeowner.
- Contact your architect or construction professional for installation into other building designs or construction methods.
- Structural support of the sill is required to support the entire sill width, and depth of the sill's interior edge, to the exterior nose of the sill extrusion. If the architect's details do not include this type of structural support, a structural support must be installed and flashed.
- Regional codes and environmental conditions may require installation that is different from these guidelines. It is your responsibility to ensure that local codes and ordinances are followed.

WARNING

- **Work Safe!** Always wear proper eye and hearing protection when installing or adjusting units.
- **Properly!** To avoid personal injury, always follow manufacturers' instructions for safe operation of power tools.
- **Ladder Safety!** Working at elevated levels can be hazardous. Always use ladders and scaffolding properly. Consult manufacturers' guidelines for safe use of these types of equipment.

IMPORTANT

- All-Weather reserves the right to change the information contained in these guidelines without notice.
- Maintain a minimum of ¼" between the door frame and any trim, siding or masonry.
- Steel fasteners will corrode when used with ACQ pressure treated lumber. Use corrosion resistant fasteners (such as stainless steel) when installing doors in or around these types of materials.
- Doors must be properly flashed and sealed around the perimeter.

HANDLING AND STORAGE

- Always carry door panels upright. Do not carry flat! Doing so could result in damage to the panels.
- Do not store units outside.



OVERVIEW OF FOLDING DOORS

Folding door or bi-fold systems, are a popular choice for maximizing openings (up to 90%) without the need for pocketed areas. Featuring a top-hung design, the system panels slide and stack perpendicular against one or both of the opening jambs similar to an accordion or v-fold motion.

Opening the system stacks the panels together (accordion-style), taking approximately 10% of the available space in the entryway. With the remaining 90% available space, Folding Door Systems are ideal for frequent high foot-traffic areas or for creating spacious, uninterrupted views.

RECOMMENDED TOOLS (NOT SUPPLIED):

- Carpenter's Level (Optional: Laser Level)
- Wrench or Ratchet
- Rubber Mallet
- Tape Measures
- Caulking Gun and Sealant
- Self-Leveling Epoxy
- Power Drill
- Impact Driver

INCLUDED PARTS:

- Installation Screws
- Hinge Washers
- Hinge Pins
- Magnet (for flag doors)
- Head Cover (access port)
- Pull handle(s)



PART 1: PREPARE THE OPENING

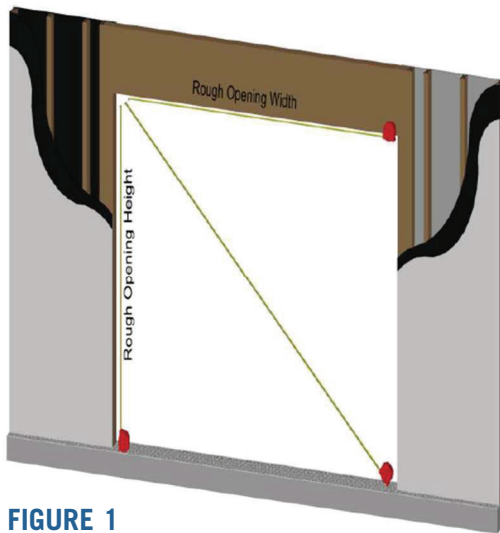


FIGURE 1

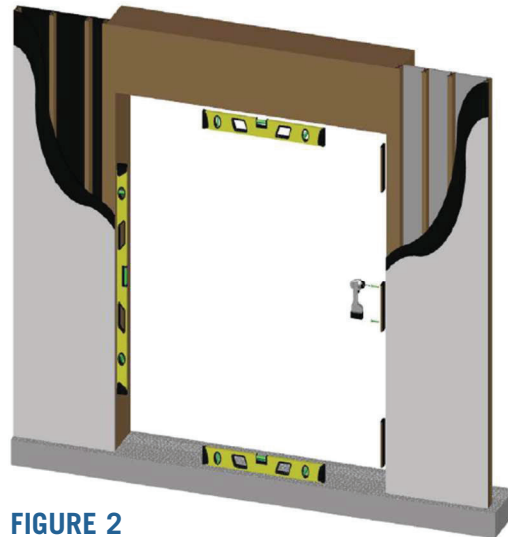


FIGURE 2

1. Prior to checking the dimensions for the systems, ensure that the opening is square and plumb at the size stated on your order. (Fig.1)
2. Using a tape measure, check the height, width, and the dimension across the opening. The opening should be 1" larger than the assembled unit. (Fig.1)

Note: Shimming & leveling the system properly is highly important, do not over or under shim.

3. Once you are sure that the frame fits properly in the opening, it is time to prepare the opening for the new system. If the opening needs to be shimmed, go ahead and apply the shims as necessary. There should still be at least $\frac{1}{2}$ " of clearance around the entire system. (Fig.2)
4. Check the entire opening to ensure that the opening is level and square. This is one of the most important steps and should not be skipped to ensure proper operation of the new system.



PART 2: PREPARING THE TOP TRACK, SIDE FRAME AND BOTTOM TRACK FOR INSTALLATION

The anchorage and leveling of the top and bottom track are highly important to ensure proper operation and life span of the Folding System(s) since they are weight driven and top loaded. Please keep in mind that pilot holes are already pre-drilled in the headers, side frames, and bottom tracks. It is highly important that the rough opening and substrate is level, clean, and free of debris prior to installation of the system track. Be sure that the use proper size anchorage bolts to allow clearance for the wheels to glide freely throughout the system's tracks (4" Installation wood screws will be provided with this system; other anchorage bolts will be the customer's responsibility). Fasteners and substrate need to be capable of withstanding reaction forces by wind.

PART 3: BOTTOM TRACK INSTALLATION

The bottom track is cut to the exact size of the overall system width. Modifications are not recommended to be done to this system.

FOR 2³/₁₆" SILL:

1. Install bottom track on finish floor.
2. Secure track using the screws provided and epoxy seal all screws.

FOR ¾" AND 1½" RECESSED SILL:

1. Double check the trench depth and width with the actual bottom track provided. The trench depth should have an extra ½" shim space provided below the track system setup. *Depth varies due to different track types. (Fig.3)
2. Insert Track into floor depression to assure the sizing is correct. Make sure the track is the same size all the way from end to end from edge of slab.
3. Shim the bottom track if necessary.
4. Anchor the track.
5. Backfill with grout.

Note: Different anchors may be required depending on substrate.

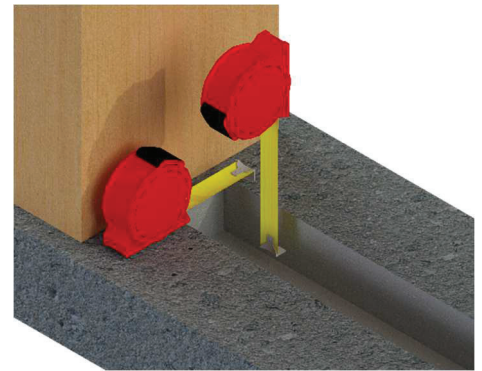


FIGURE 3



PART 4: FRAME (HEADER) INSTALLATION

AWAA is not responsible for the support structure which the system will be attached to. Please ensure that the General Contractor waterproofs the area prior to installation.

1. Align top track parallel with the bottom track using a laser level following the centerline of the track and header guide channel.
2. Make sure to install the header to the correct height using the 'F.F. to Unit height' dimension used to fabricate the unit.
3. Ensure header is leveled and straight and anchor into substrate. (Fig.4)

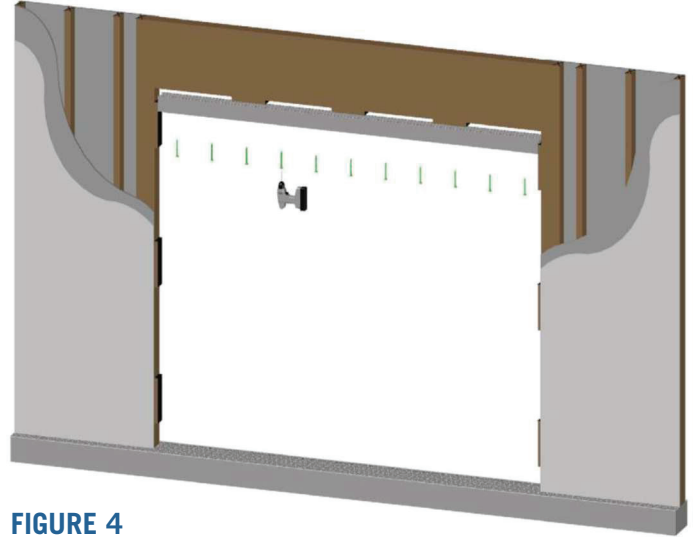


FIGURE 4

PART 5: SIDE FRAME INSTALLATION

1. Set the side frame into the construction sealant at the end of the bottom and top tracks. (Fig.5)
2. Match the centerline of the side frames with the centerline of the bottom track as the side frame will sit between the top and bottom track. (Fig.6)
3. Level the side frame.
4. Shim as needed and fasten the side jamb to the stud through the predrilled holes. (Fig.7)

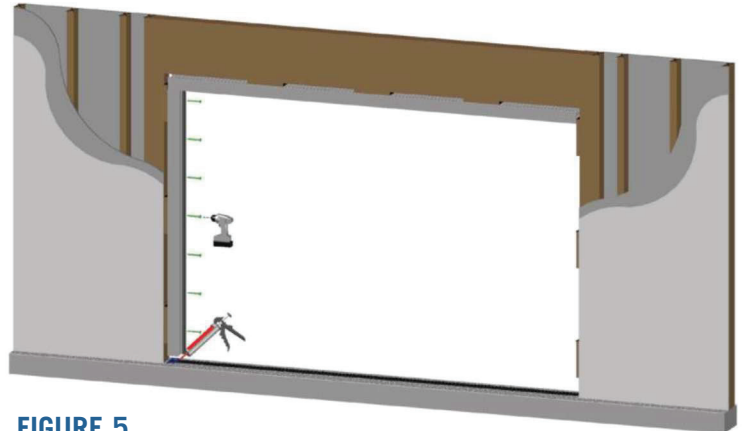


FIGURE 5

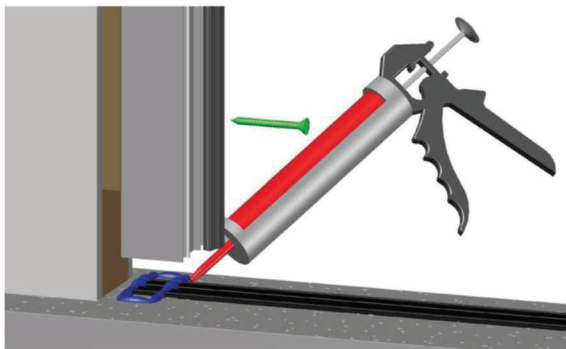


FIGURE 6

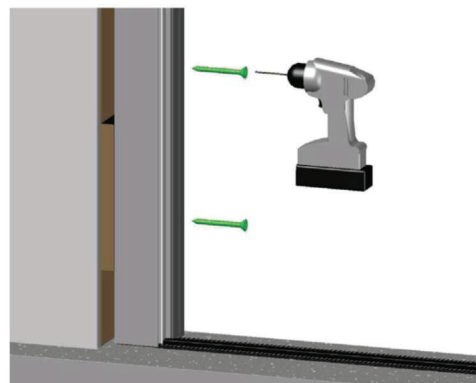


FIGURE 7

PART 6: PANEL INSTALLATION AT HINGES

1. Insert hinge sleeve into hinge hole and place panels back to back (Fig.8)
2. Line up overlapping hinges.
3. Insert the stainless steel hinge pins by tapping with a rubber mallet.
4. Tighten using the set screws to lock in place.

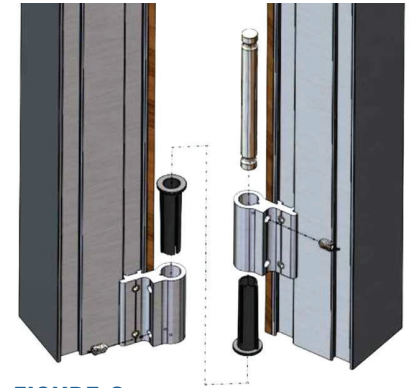


FIGURE 8

PART 7: PANEL INSTALLATION WITH WHEELS

1. Locate the access port on the top header.
2. Insert the panel with the wheel sets by tilting the panel and inserting it into the provided slot on the top track. (Fig.11)
3. Insert bottom guide into the track channel.
4. Once the panel is in the track, slide the panel so that it meets the next one. (Fig.12)
5. Insert hinge sleeve into hinge hole and place panels back to back. (Fig.8)
6. Line up overlapping hinges
7. Insert the stainless-steel hinge pins by tapping with a rubber mallet.
8. Tighten using the set screws to lock in place.
9. To install a panel adjacent to the wheel and bottom guide, align hinge to the attached plates and screw the hinge to the panel. (Fig.9) & (Fig.10)

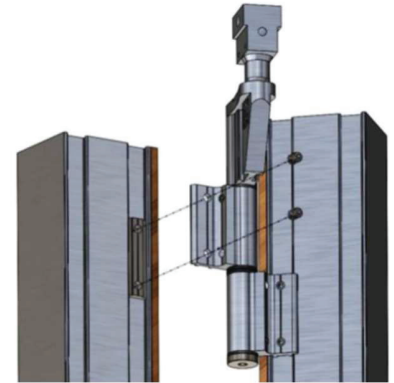


FIGURE 9



FIGURE 10



FIGURE 11

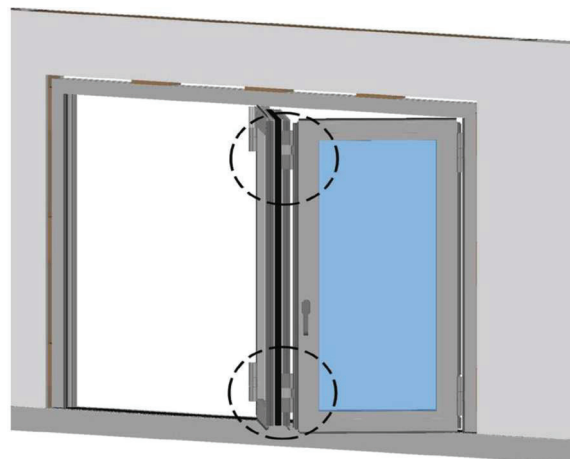


FIGURE 12



PART 8: MAGNET INSTALLATION

1. Identify the top corner opposite the hinges of the swing panel. (Fig.14)
2. Mark and drill the magnet holes.
3. Screw the magnet into place. (Fig.13)



FIGURE 13

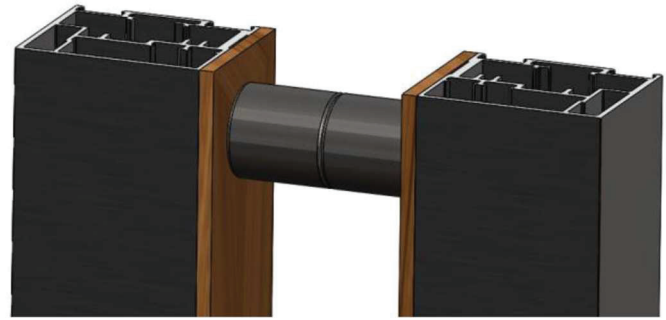


FIGURE 14

PART 9: COMPLETION AND ADJUSTMENT

1. Vertical Adjustment:
 - a. Vertical panel adjustments are made by shifting the head track up or down, removing or adding shims if necessary
2. Horizontal Adjustment:
 - a. Horizontal panel adjustments are made by shifting the side jambs side-to-side, removing or adding shims if necessary.
3. Operate door unit to ensure proper operation. The panel will not operate correctly if the door is out of square, over-shimmed or over-insulated.
4. Completely seal around exterior perimeter between door frame and rough opening or wall exterior.
5. Remove all labels or shipping materials.
6. Apply the handle set as appropriate per manufacturers' recommendations. Complete final adjustments as necessary.
7. Doors are to remain closed and locked during construction to prevent site conditions from damaging and/or warping panels and frames.

PART 10: SYSTEM FINISHING

Once all of the steps are completed and the new systems are installed, it is time to properly seal the system. We recommend that all finish work be completed by a General Contractor to fully seal and close the openings.