

105369 Sliding Door Kit

Thank you for purchasing this sliding door kit. When properly assembled and maintained, this product will provide years of reliable service. These instructions include helpful hints and important information needed to safely assemble and properly maintain the sliding doors. Please read these instructions **before** you begin.

If you have any questions during the assembly, contact Customer Service for assistance.

SAFETY PRECAUTIONS

- Wear eye protection.
- Wear gloves when handling metal parts.
- Use a portable GFCI (Ground Fault Circuit Interrupter) when working with power tools and cords.
- This product is intended to be used as a door on a greenhouse or shelter.

UNPACK AND IDENTIFY PARTS

Unpack the contents of the shipment and place where you can easily inventory the parts. Refer to the Bill of Materials/Spec Sheets. If anything is missing contact Customer Service.

UV PROTECTION

The polycarbonate panels include a UV-protected surface on one side. These surfaces are typically marked for proper installation. Examine each panel before you install it to determine which side is the UV-protected side.

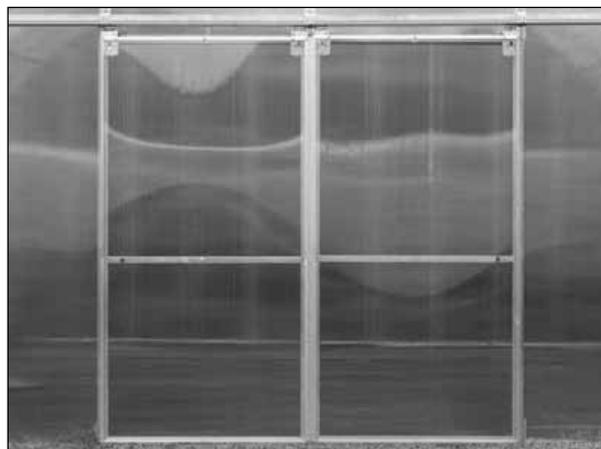
Always install the UV-protected side toward the outside of the door.

IMPORTANT NOTICE: *Do not* allow the polycarbonate panels to remain stacked on top of one another in direct sunlight. The protective film on the panels will become difficult if not impossible to remove.

Always store the polycarbonate panels out of direct sunlight until after the protective film is removed.

FASTENERS

Fasteners are included to secure door components to metal frame members. If the building frame and cladding are not metal, purchase the appropriate fasteners locally, or call customer service for suggestions.



REQUIRED TOOLS

The following list identifies the main tools needed to assemble the sliding door kit. Additional tools may be needed depending on how the door kit is installed.

- Tape measure, wrenches, and socket set
- Variable speed drill and drill bits (7/16" & 1/2")
- Safety equipment for hands/feet, eyes, and head
- Ladders
- Circular saw and blade (or similar tool) to cut polycarbonate and metal-cutting saw

IMPORTANT: These instructions describe one way to assemble and install the sliding door kit. It is the customer's responsibility to determine if these procedures are suited for the building.

Such a determination is beyond the scope of these instructions.

CARE AND MAINTENANCE

- Regularly check the polycarbonate panels to see that these are secure and in good condition. Replace damaged panels if needed.
- Check connections and all fasteners to verify that they remain tight.
- To clean the assembled door, spray with water from a garden hose and brush with a soft brush.

DO NOT USE SOLVENTS OR CLEANERS ON THE DOOR PANELS. Mild dish soap is acceptable.

- Check fasteners periodically to ensure they remain tight.
- Call 1-800-245-9881 for replacement or missing parts.

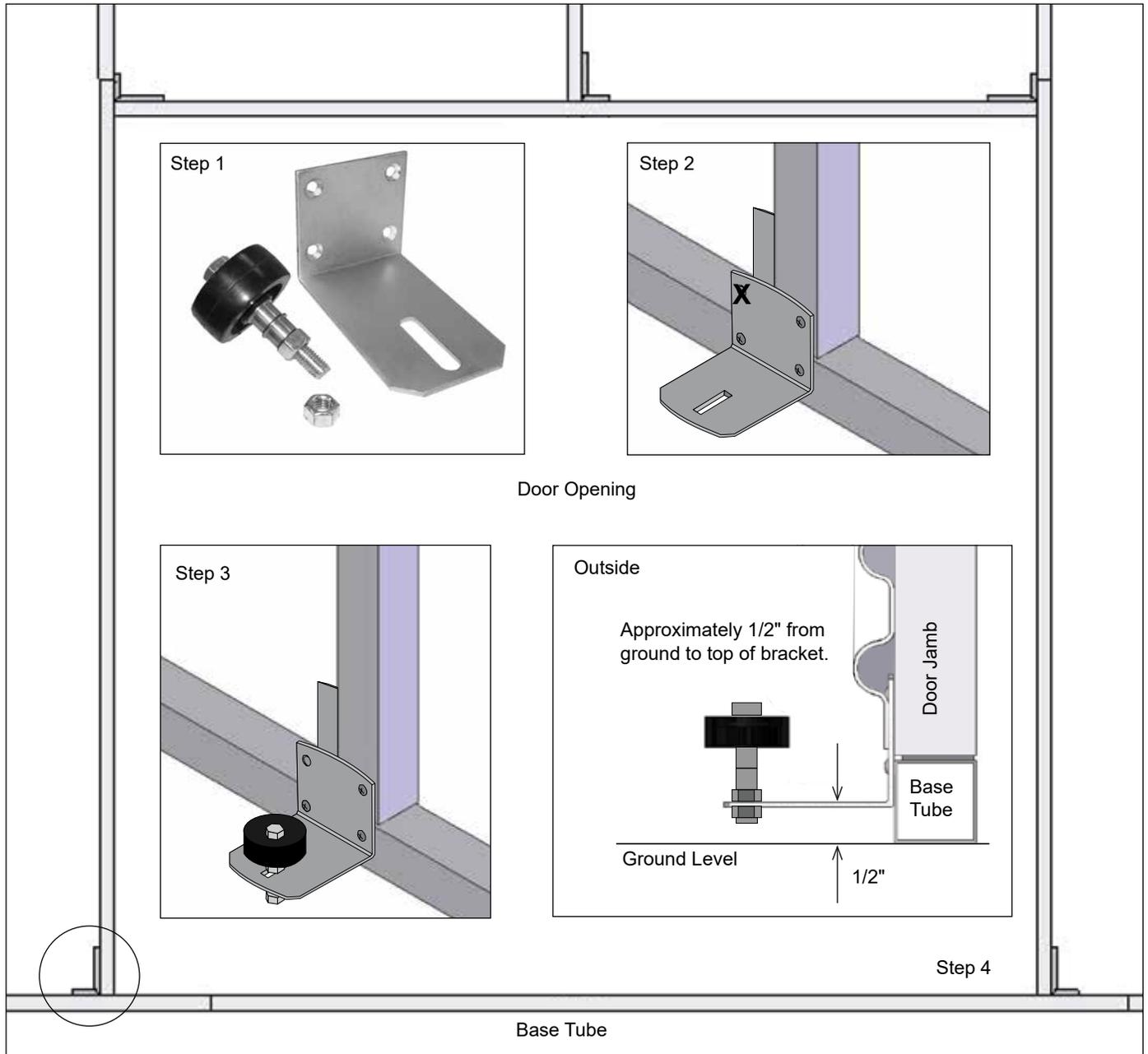


WARNING: Cancer and Reproductive Toxicity - P65Warnings.ca.gov

Install Stay Rollers

INSTALL SLIDING DOOR STAY ROLLER

1. Locate the 100356 stay roller box and remove the bracket, roller, bushings, bolt, and nuts from package.
2. Looking at the rough door opening of the assembled end wall, secure the stay roller bracket in the *lower-left corner of the door opening* as shown below. Use 115581 pancake head screws. Drive screws using the 100448 square bit driver. Hole marked with an X is not used.



3. Attach the roller and related parts to the angled bracket attached to the end wall frame.
- NOTE:** Do not tighten the roller assembly nuts at this time. Roller is adjusted and tightened after door is installed.
4. Repeat the steps to attach the remaining roller assembly to the lower-right corner of the rough door opening. View is from outside the frame.
 5. Continue with the next procedure.

Assemble Sliding Doors Overview

ASSEMBLE AND INSTALL SLIDING DOORS — OVERVIEW

The general steps to install the sliding doors are as follows:

1. Assemble the 102923 door frames.
2. Attach bearing hangers to the door frames.
3. Attach the sliding door track to the end wall.
4. Hang the sliding doors in the door track and adjust sliding doors as needed.
5. Attach polycarbonate panels to door frames.
6. Attach door handles and reinstall doors (if these were removed to install cladding).
7. Install 115581 screws through track to prevent door(s) from sliding out of the track.

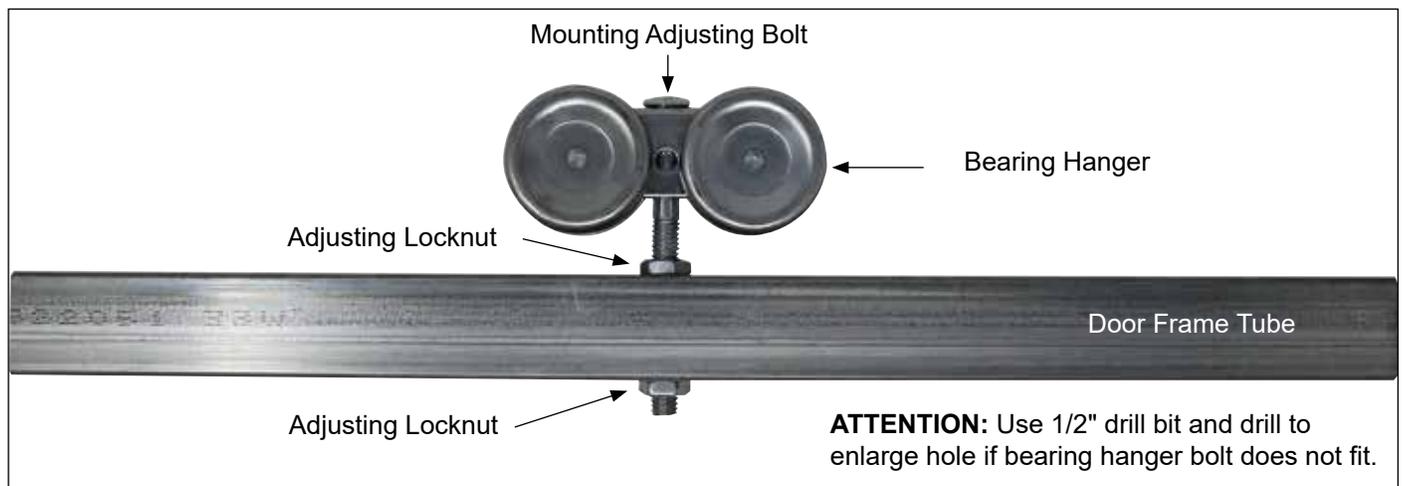
ATTACH ROLLER ASSEMBLIES TO DOOR FRAMES

Complete the following steps to attach bearing hangers to the door frames.

1. Assemble 102923 door frames.
2. Locate and unpack the 116391 bearing hangers. Each door requires two bearing hangers.
3. Insert mounting bolt through top of roller bearing and add one adjusting locknut.
4. Insert end of mounting bolt through mounting hole in top of door frame and add the remaining adjusting locknut.

NOTE: Use 1/2" drill bit and drill to enlarge hole if bearing hanger bolt does not fit.

5. Repeat to attach remaining hanger to door frame.
6. Repeat steps to attach bearing hangers to remaining door frame.
7. Continue with next procedure.



ATTENTION: Use 1/2" drill bit and drill to enlarge hole if bearing hanger bolt does not fit.

Attach Door Track to End Wall

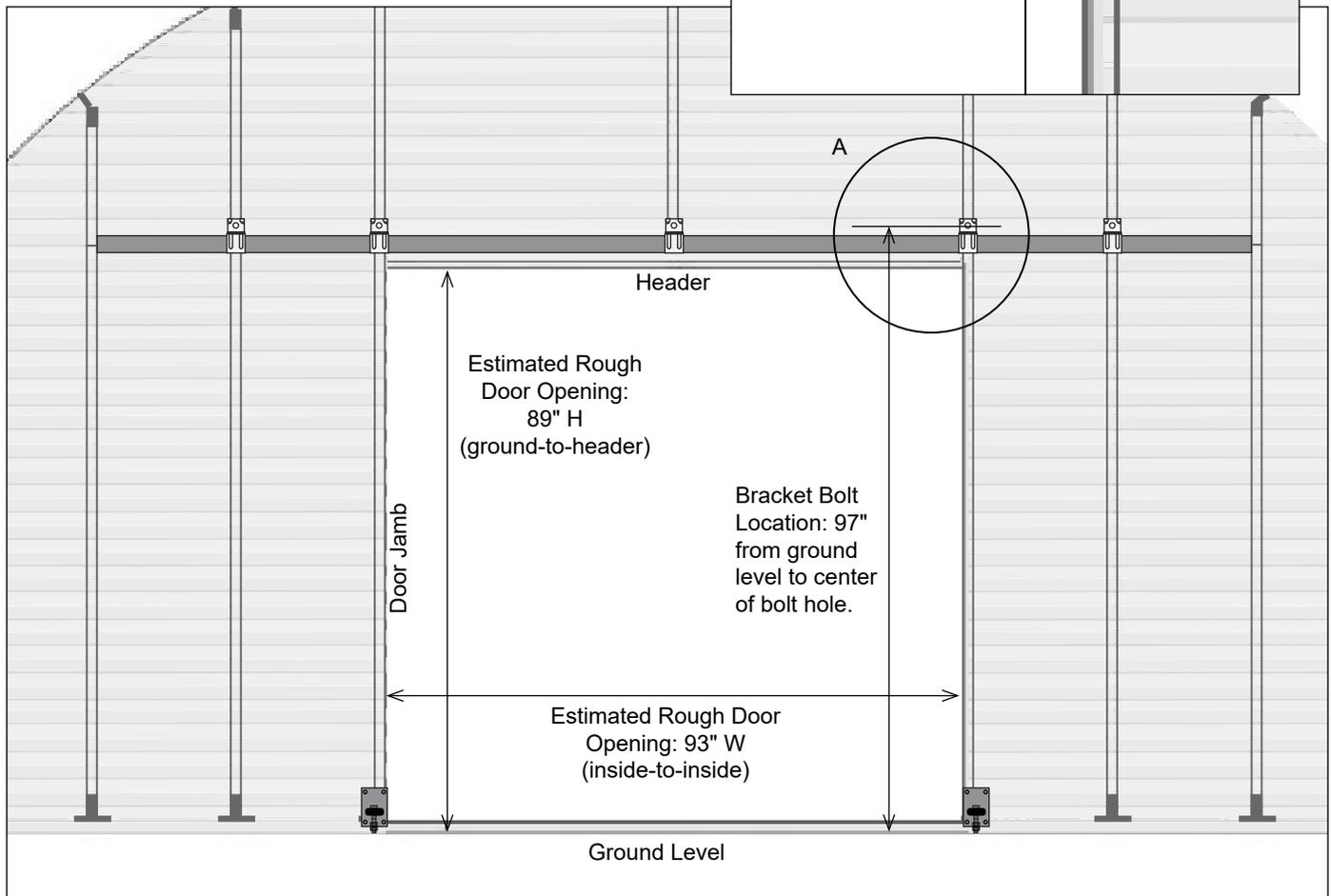
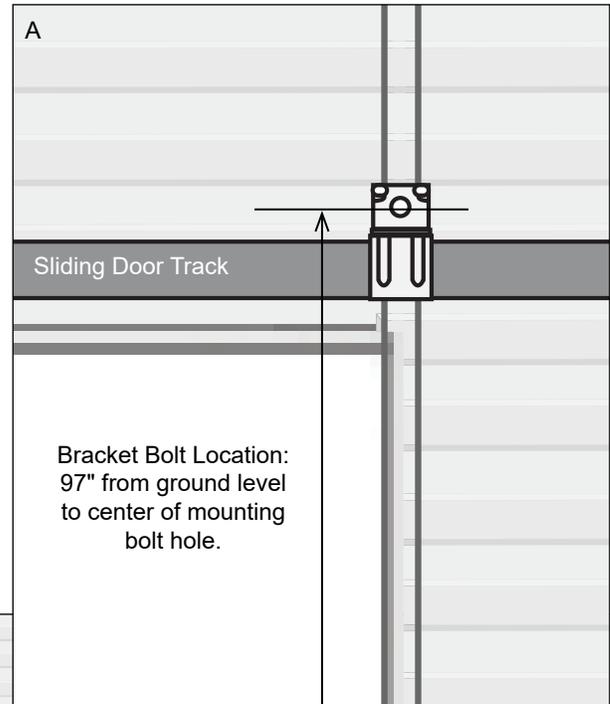
ATTACH SLIDING DOOR TRACK TO END WALL

Complete these steps:

1. Using the diagram below, mark the bracket bolt locations for the 100380 track brackets.

NOTE: Brackets to be level across the end frame. Use a straight edge and long level when marking bolt hole locations for the track brackets. **Before drilling holes, measure the door and bearing hangers to confirm that door will fit between stay roller at the bottom and track at the top once track is installed.** Adjustment for door is limited by the bearing hanger adjustment bolt.

IMPORTANT: Dimension is approximate. **Actual position of door track may differ.** Measure all components to determine the exact position of sliding door track and related brackets before drilling holes.



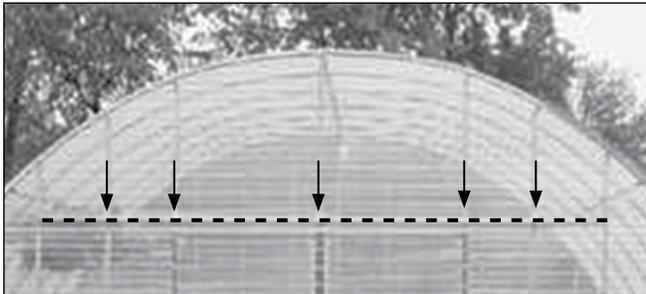
2. After confirming and marking hole locations, attach track brackets and tracks as described in the next procedure.

Attach Door Track to End Wall – continued

INSTALL SLIDING DOORS

Complete the following steps to attach the sliding door track brackets to the end wall frame.

1. Locate the 3/8" x 4" carriage bolts (FAH377B) and related 3/8" nuts and washers (FAME18B, FAMA38B, & FALB34B) used to secure the track brackets to the end wall framing.
2. Drill a 7/16" hole through the corrugated polycarbonate panel and through the vertical end wall frame at each hole location.



ATTENTION: The holes must be level to ensure track is level.

3. Insert a 3/8" carriage bolts through a hole **from inside the building** and tap it with a small hammer to set it tight against the end wall frame member.

NOTE: If needed, drill hole on inside of frame to 1/2" if you are unable to seat bolt head tight to frame tube.

4. Repeat the steps to install the remaining sliding track mounting bolts.



ATTENTION: Install a flat washer (FAME18B), lock washer (FAMA38B), and nut (FALB34B) to secure the mounting bolt to the end wall frame.

5. After tightening the mounting bolts, slide three (3) track mounting brackets onto one door track (100377).
6. With assistance, lift track and align brackets with the mounting bolts. Slide brackets onto bolts and add a lock washer (FAMA38B) and nut (FALB34B) to secure in place. **Do not tighten at this time.**



Step 5



Step 6

7. Repeat steps as needed to install remaining track.



NOTE: The center bracket supports the end of each door track. Bracket will cover the joint where the separate track sections meet above door opening.

8. Return to and tighten all 3/8" nuts to secure all brackets.
9. Continue with the next procedure.

Install and Adjust Sliding Doors

INSTALL AND ADJUST SLIDING DOORS

Complete these steps:

1. With assistance, carefully lift one door into position and slide bearing hangers into the end of the door track.
2. Slide door to center of opening to its closed position.
3. Repeat to install the remaining door.
4. Adjust the nuts on each bearing hanger to achieve the desired fit.

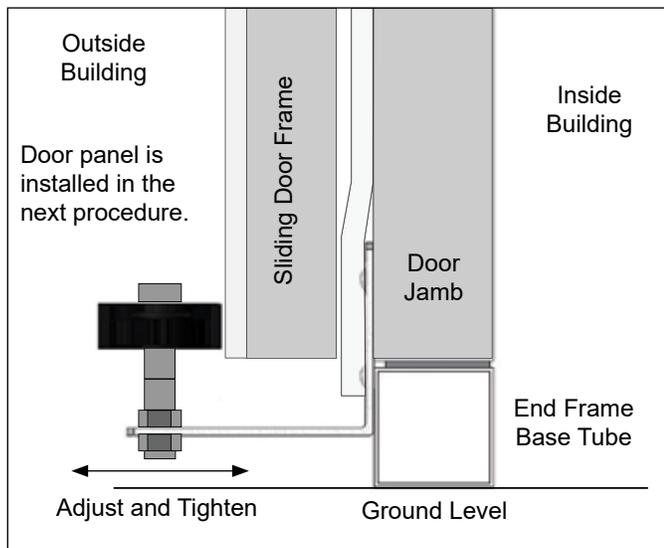


Space below is reserved for customer notes.



ATTENTION: Doors will hang level and close tightly—no gap where doors meet—when properly adjusted. Doors should glide freely through the stay rollers. Adjust as needed.

5. Tighten nuts to secure bearing hanger adjustment.
6. Adjust the stay rollers as needed.



NOTE: Allow approximately one-quarter inch (1/4") gap between door and roller for best operation. Actual positions of components may differ from diagram.

7. Continue with the next procedure.

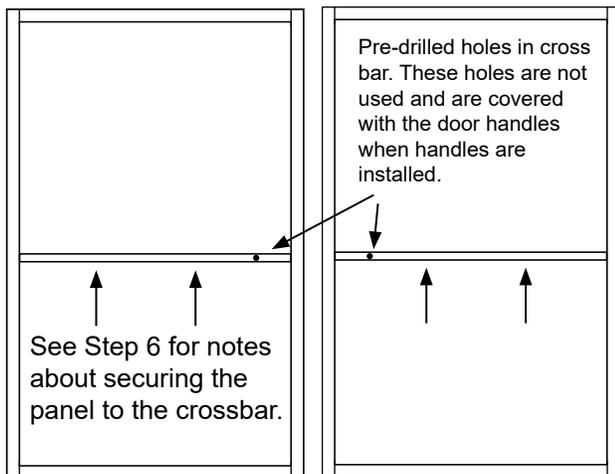
Install Polycarbonate Door Panels

INSTALL POLYCARBONATE PANELS

The steps that follow describe cutting the polycarbonate panels to size, attaching them to the door frames, and installing the aluminum profile.

1. Remove doors from track and place on a flat surface with the pre-drilled holes in the crossbars to the inside where the two sliding doors meet.

NOTE: The cross bar may not be in the center of the door frame. The doors can be installed as desired to vary the height of the cross bar. Door handles are attached to the crossbar in a later procedure.



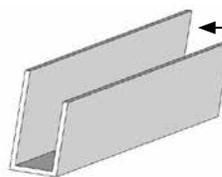
2. Select one polycarbonate panel and trim it 1/4" shorter and 1/4" narrower (if needed) than frame.
- NOTE:** The protective film on the polycarbonate panels is printed with instructions to show which side is UV protected. Always install the panel with the UV-protected side towards the outside.
3. Make a small mark in one corner of the polycarbonate panels to indicate the UV-protected side before removing the protective film completely.
 4. Remove the protective film from the non UV-protected side (or inside) of the polycarbonate panel. Peel back the protective film on the UV-protected side of the panel about 2" in from all edges.
 5. Place the polycarbonate panel on the door frame with the UV-protected side (outside) up and center the panel so that approximately 1/8" of the door frame extends beyond the four sides of the panel.
 6. Attach the panel to the horizontal crossbar of the door frame using 115581 pancake head screws and neo-bonded washers (102921).

NOTE: Evenly space two screws near the center of the crossbar to secure the panel.

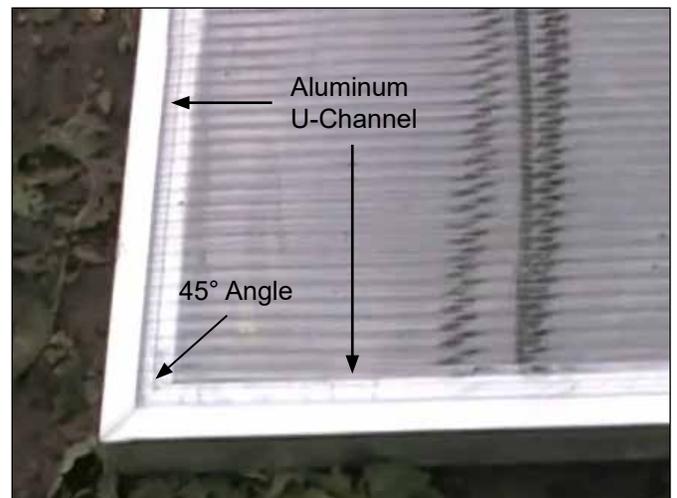
7. Install aluminum U-Channel on all four edges of the polycarbonate panel. Insert the long leg of the U-Channel on the underside of the polycarbonate panel and against the door frame. Cut the ends of the U-Channel at 45 degree angles for a finished appearance if desired.



NOTE: Install the U-Channel flush with the outside of the door frame on all four sides of the panel.



Install this edge to the underside of the panel against the door frame.



8. Repeat the procedure to prepare and install the panel for the remaining door frame.
9. Once panels are attached to the frames, continue with the next procedure.

Install Polycarbonate Door Panels — continued

SECURE POLYCARBONATE PANELS TO DOOR FRAMES

Use 115581 screws to secure each panel to each door frame. Review the photo below and complete these steps:

1. Measure and mark screw positions at a approximately **16" on-center** around the perimeter of the frame.

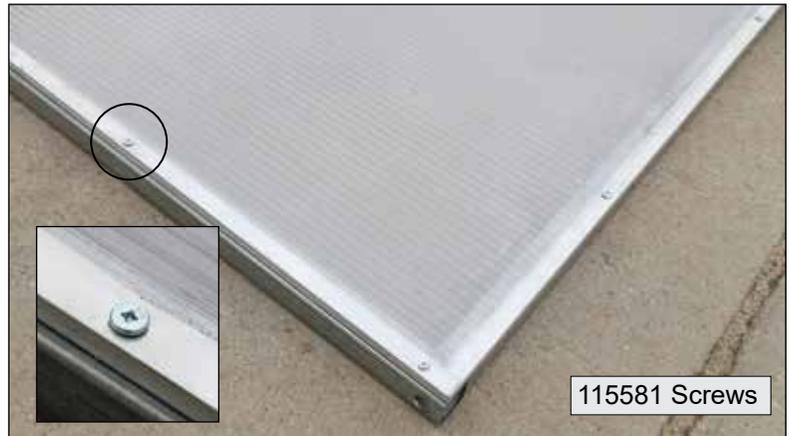
NOTE: Verify that you have enough 115581 screws for each door. Increase the spacing if needed so you do not run out of screws.

Save four (4) screws to install as door stops for the roller track.

2. Take the screws and, using the 100448 bit and drill driver, secure trim to door. Carefully install each screw. **DO NOT OVERTIGHTEN!** Doing so will dent the aluminum trim pieces.

ATTENTION: Do not use an impact driver to install screws. Use a variable speed drill and the 100448 nut setter.

3. Repeat the steps to secure the remaining panel to the remaining door frame.
4. Continue with the next procedure.



Install Door Handles and Stops

INSTALL DOOR HANDLES AND DOOR STOPS

Use 115581 screws to secure a door handle (100362) to each door frame. Complete these steps:

1. Locate the two (2) door handles (100362) and attach these in the desired location using the 115581 pancake head screws and 100448 square driver.

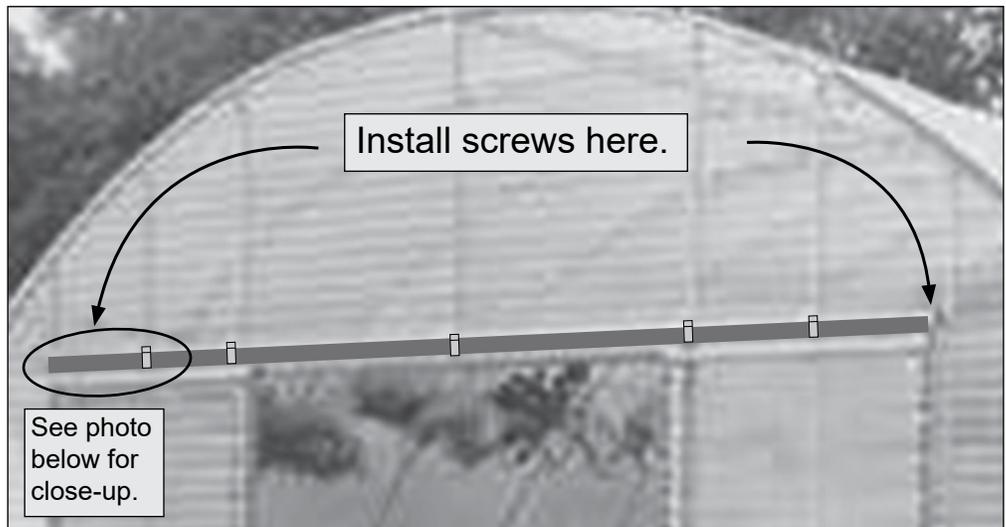


NOTE: Drive screws through the polycarbonate panel and *into the door frame*. Orient handles either horizontally or vertically in the desired location.

2. Next, slide one door to its open position and install two (2) 115581 screws through the door track to prevent the door from sliding out of the track.

NOTE: Arrows above show where to install screws (two at each end) used as door stops.

Install screws through face/front of the door track at each end.



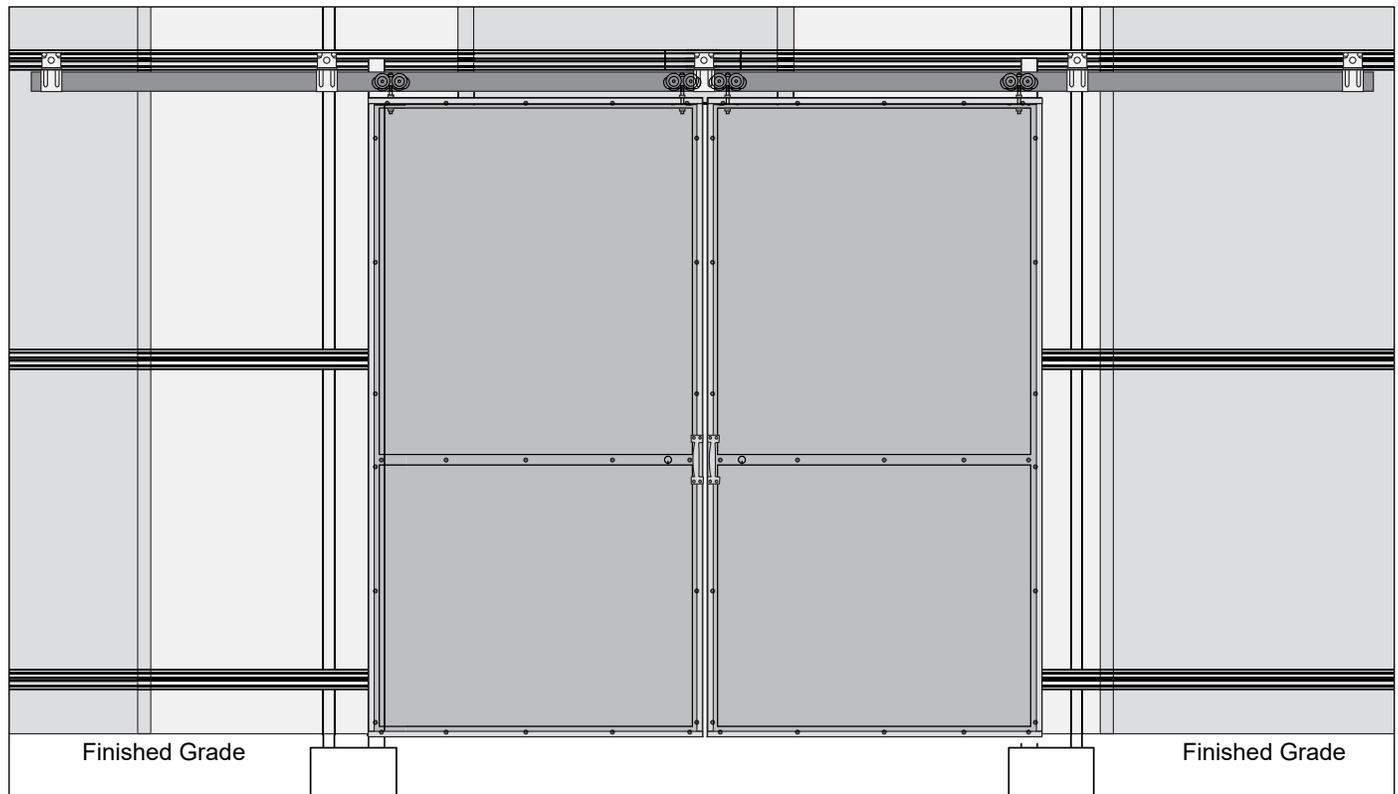
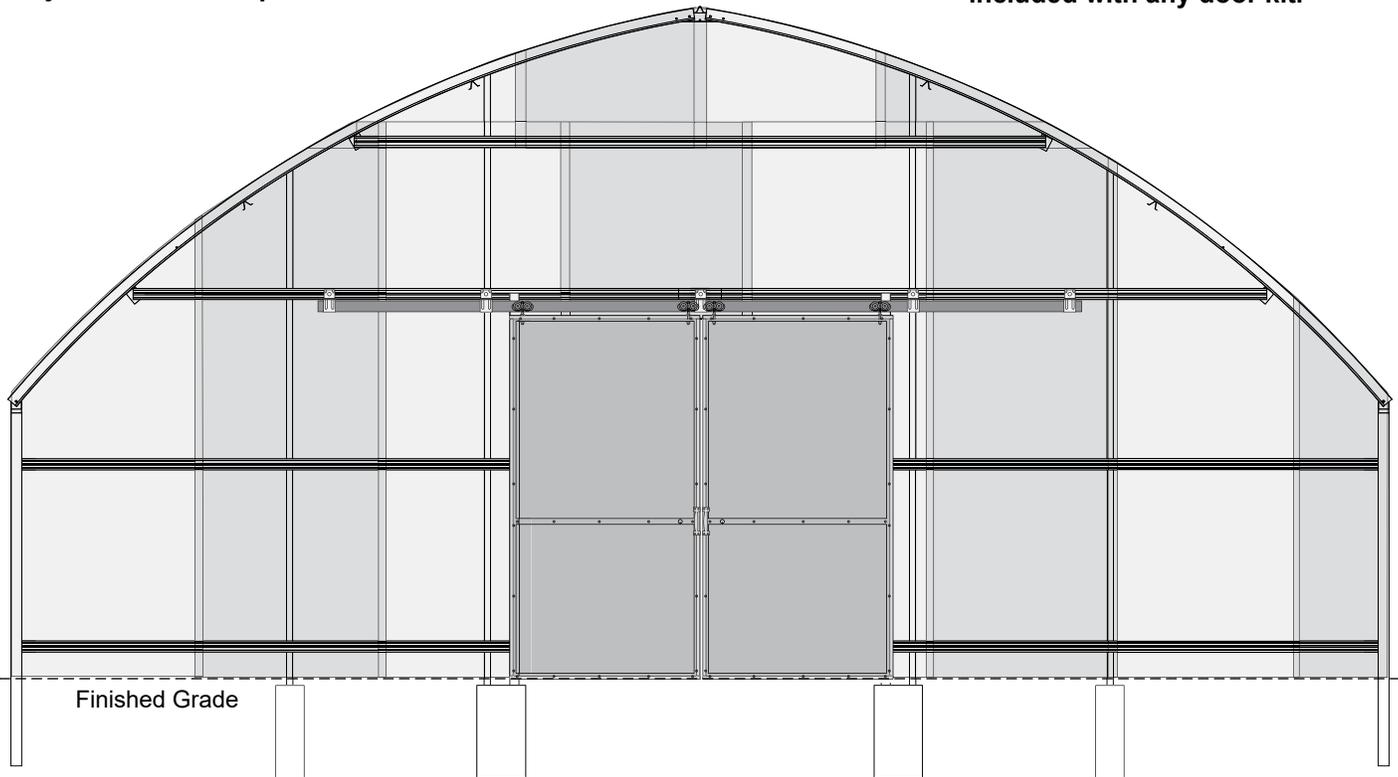
3. Return to the door track mounting bolts and cut bolts to length if desired. (This is an optional step.)



105369 Sliding Door Kit

Sample end frame showing the double-sliding doors installed. **Actual frame may differ from sample.**

End frame and end rafter are not included with any door kit.



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Sample end wall frame showing the suggested RO (rough opening) dimensions for the double sliding door. **Always measure all components and use to calculate track position before attaching track to building.**

