

INSTALLATION INSTRUCTIONS FOR PLASCORE 4-SIDED NARROW STILE ACCESS DOORS

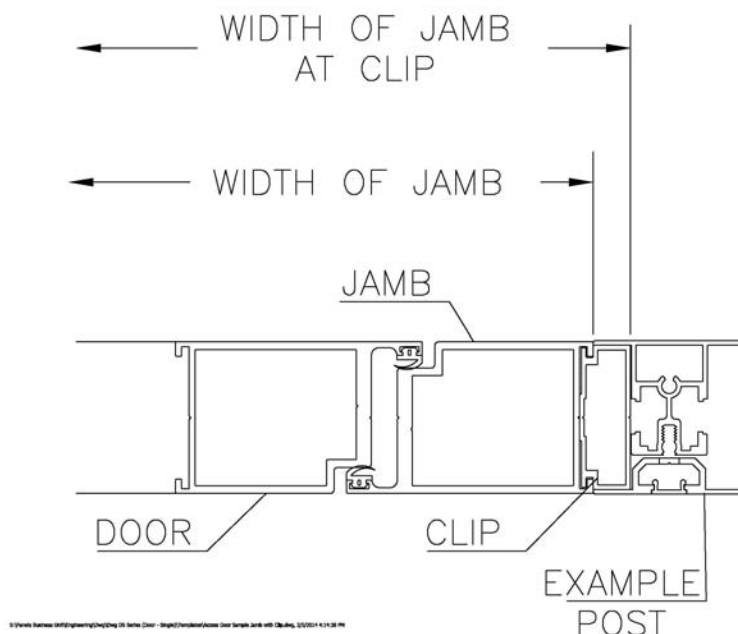
The following information is provided by Plascore, Inc., as a general guideline for the installation of the Plascore Narrow Stile Access Door and Jamb Assembly. This information should be reviewed prior to commencing installation. The information is intended to be a general guideline, and may not address specific, custom situations which may appear on any particular project. Please consult Plascore, Inc., for any specific details or design applications.

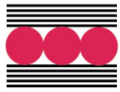
1. UNCRATING, INSPECTION, AND INVENTORY

- A. All components of the wall system are clean room packaged for protection during shipping. All parts have been cleaned in the factory.
- B. Panels are shipped with a protective plastic film, which should be left intact until the panels have been installed, and ready for final wipedown.
- C. Contractor should visually inspect crates as they unload off trucks. Crates may be unloaded with standard forklift equipment. Note any crate damage, and inspect crates with obvious damage. Compare label on crate with packing slip, which is attached to Bill of Lading. Note any discrepancies between part number and quantities on crate label and packing list.
- D. Crates should be stored where they are protected from moisture, humidity, and temperature extremes.
- E. Parts may be left in crates until required for installation. Note any damage on parts at this time, prior to installation.

2. AT DOOR OPENINGS IN PLASCORE WALL SYSTEM

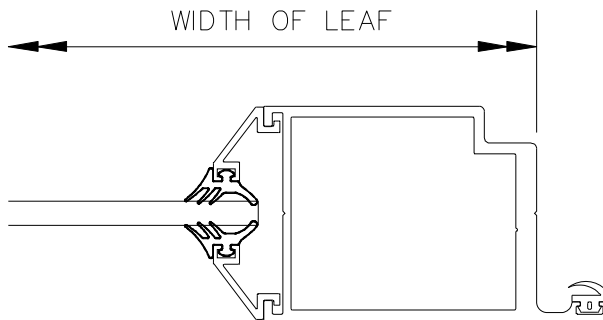
- A. The door jamb has a clip that is attached to the outside on four sides. This clip is 1.88" thick and is to be battened in place.
- B. The best way to determine the correct size opening is to measure across the top and down the side of the assembled door jamb, including the clip. This is the opening width to be left between the battens. (See illustration @ 2.B)





- C. If the door jamb assembly is not available to measure, these dimensions will be on the door submittal drawings.

Note: The door leaf width is measured from the wide-flat-edge to wide-flat-edge. This measurement does not go from outside-of-lip to outside-of-lip. (See illustration @ 2.C)



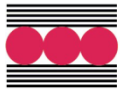
3. AT DOOR OPENINGS IN NON-PLASCORE WALL SYSTEM

- A. The door jamb has a clip that is attached to the outside on four sides. This clip is 1.88" thick and is to be screwed in place. Plascore provides screw holes, and small plastic caps for covering the jamb holes, through the door jambs/clip for attachment to Non-Plascore wall systems. Plascore cannot provide attachment engineering for the Plascore door to Non-Plascore wall systems. This engineering should be done by others prior to installation of the doors.
- B. The best way to determine the correct size opening is to measure across the top and down the side of the assembled door jamb, including the clip. This is the opening width to be left between the Non-Plascore wall system. An additional small gap is recommended for shimming. (See illustration @ 2.B above)
- C. If the door jamb assembly is not available to measure, these dimensions will be on the door submittal drawings.

Note: The door leaf width is measured from the wide-flat-edge to wide-flat-edge. This measurement does not go from outside-of-lip to outside-of-lip. (See illustration @ 2.C above)

4. INSTALLATION OF DOOR FRAMES IN PLASCORE SYSTEM

- A. Remove the door leaves from the jambs. They will be installed at a later time. (See Section 6)
- B. Single door modules supplied by Plascore are usually shipped with the jamb completely intact, and the door pre-hung within the jamb.
- C. Double doors are typically shipped with the leafs loose, and the jamb knocked down into two pieces -- (two) L-shaped assemblies. One of the assemblies will have a splice bar installed in it. To assemble the jamb, slide the other jamb over the splice bar and fasten the two assemblies together with the supplied screws, ensuring that the jambs are aligned.
- D. Install the posts/battens surrounding the door jamb as usual, aligning the edge of the post/battens. Remove the battens from the post assemblies (if applicable). (To remove the batten, pull back the enclosure cap and remove the batten screws.)
- E. Position the door jamb over the opening. Be certain that the hinges are on the correct side of the opening. Insert the jamb assembly into the opening. The clip (on outside of door jamb) will be battened in place after leveling and squaring.
- F. **Leveling the Door Jamb** – Confirm that the surface that the door will set on is level. To do this, check the top jamb for level. If it is not level, shim the legs of the door jamb until the top jamb is level.
- G. **Squaring the Door Jamb** – The door jamb must be square for the doors to operate properly. To confirm squareness, measure the jamb from the outside upper left corner to the outside lower



right corner. Then, measure the jamb in the opposite direction (from the outside upper right corner to the outside lower left corner). These measurements must be equal. Adjust the legs of the jamb (by moving them right or left) until these dimensions are equal.

- H. Confirm that the jamb is still level.
- I. Install the battens (if applicable) to secure the door jamb clip.
- J. A component is required across the top door jamb. To determine the correct length of this component, measure across the top of the top jamb. (See Section 2 for illustration.)
- K. For the various Plascore Wall Systems:
 - A. **S5050** –
 - 1) Install (2) S5050 fastening plates and position the post between the vertical posts across the top jamb at the proper location. Mark the center of the slot in the fastening plates on the vertical posts. Drill a 3/16" diameter pilot hole in the vertical posts at this location.
 - a) To install the fastening plate (part no. 831923) in the field, use the Crimping Tool for Fastening Plate (part no. 831959). Slide the plate into the slot in the Crimping Tool, taking care to have the divot in the plate facing down (to align with the plunger) and to the back. Slide the plate in until the plunger engages the divot. Then, align the tool above the end of the post and slide it down so that the slots in the side of the Fastening Plate slide over the webs in the S5050 post. When the Crimping Tool bottoms out against the post, twist the Crimping Tool downward, causing the plate to bend the webs in the post, affixing the plate to the post. Remove the Crimping Tool by sliding it off of the plate.
 - 2) Attach the post to the vertical posts by fastening a self-tapping screw (Pan Head Torx #10 x 1-1/2) (part number 868011) and a flat washer (part number 840681) through the fastening plate into the pilot holes in the vertical posts.
 - B. **F5050** –
 - 1) Install four threaded inserts (part no. 831974) into the T-grooves of the post, using the Threaded Insert Installation Tool (part no. 831973).
 - a) This is done by tightening the Installation Tool into the drill chuck and placing the threaded insert onto the end of the tool. Then, while applying pressure, use the drill to thread the insert into the T-groove of the post, stopping when the tool has bottomed out against the post.
 - 2) Insert the T-bolt (part no. 868012) through the hole in the threaded insert. Attach a T-nut (part no. 840807) to the T-bolt. Align the T-nut so that it drops into the T-groove in the vertical posts and tighten with the 3/16" allen head T-handle (yellow-handled, part no. 840323).
 - 7) **F2550** –
 - a. Install (2) F2550 mounting blocks to the end of the posts.
 - i. To install a F2550 mounting block, locate the mounting block on the end of the post such that the holes in the mounting block align with the screw bosses in the posts. Insert (2) block screws (part no. 840805) through the mounting block holes and thread them into the post's screw bosses using a socket.
 - b. Loosely connect a T-nut (part no. 840807) and T-bolt (part no. 840806). Slip the bolt head into each groove of the half mounting block. Align the T-nut so that it drops into the T-groove in the vertical posts at the proper location and tighten with the 3/16" allen head T-handle (yellow-handled, part no. 840323).
 - 8) **SL2550** – Loosely install the three piece batten set at this time.
 - 9) **F5075** –
 - 1) Install (2) F5075 mounting blocks to the end of the posts.
 - a) To install a F5075 mounting block, locate the mounting block on the end of the post such that the holes in the mounting block align with the screw bosses in the posts. Insert (4) block screws (part no. 840805) through the mounting block holes and



thread them into the post's screw bosses using a socket.

- 2) Loosely connect a T-nut (part no. 840807) and T-bolt (part no. 840806). Slip the bolt head into each groove of the half mounting block. Align the T-nut so that it drops into the T-groove in the vertical posts at the proper location and tighten with the 3/16" allen head T-handle (yellow-handled, part no. 840323).

5. INSTALLATION OF DOOR FRAMES IN NON-PLASCORE SYSTEM

- L. Remove the door leafs from the jambs. They will be installed at a later time. (See Section 6 for details.)
- M. Single door modules supplied by Plascore are usually shipped with the jamb completely intact, and the door pre-hung within the jamb.
- N. Double doors are typically shipped with the leafs loose, and the jamb knocked down into two pieces -- (two) L-shaped assemblies. One of the assemblies will have a splice bar installed in it. To assemble the jamb, slide the other jamb over the splice bar and fasten the two assemblies together with the supplied screws, ensuring that the jambs are aligned.
- O. Position the door jamb over the opening. Be certain that the hinges are on the correct side of the opening. Insert the jamb assembly into the opening. The clip (on outside of door jamb) will be screwed in place after leveling and squaring.
- P. **Leveling the Door Jamb** – Confirm that the surface that the door will set on is level. To do this, check the top jamb for level. If this is not level, either level the floor or shim the legs of the door jamb until the top jamb is level.
- Q. **Squaring the Door Jamb** – The door jamb must be square for the doors to operate properly. To confirm squareness, measure the jamb from the outside upper left corner to the outside lower right corner. Then, measure the jamb in the opposite direction (from the outside upper right corner to the outside lower left corner). These measurements must be equal. Adjust the legs of the jamb (by moving them right or left) until these dimensions are equal.
- R. Confirm that the jamb is still level. Install screws attaching jamb/clip to Non-Plascore wall system.

5. INSTALLING PANELS AROUND DOOR JAMBS IN PLASCORE WALL SYSTEM ONLY

1. Install panels around the door jambs in the typical fashion, confirming that all batten screws are tightened at this time.

6. INSTALLATION OF DOOR LEAFS (BOTH SYSTEMS)

- A. Stand the door leaf up on the pivot side of the door jamb assembly.
- B. Pick up the door leaf and align the hinges on the leaf with the hinges attached to the jamb. Set the leaf in place.
- C. The door leaf can be adjusted (if necessary) in three directions. To adjust the leaf **up-and-down**, flip up the plastic cover on the top of each hinge. Use a hex key to raise or lower the set screw to adjust the height of the leaf. To adjust the leaf **right-to-left** or **front-to-back**, use a hex key to twist the plastic cam on the bottom of each hinge.
- D. Use a hex key to attach the closer arm to the sliding bracket in the track in the door jamb.
- E. Door gasketing and specified door hardware is factory applied as much as possible. Follow specific installation instructions for any loosely shipped door parts.

7. HARDWARE NOTE

- A. Doors with panic hardware should be checked for proper operation at least once per week.
- B. All other door hardware should be checked for proper operation on a monthly basis.

Please reference Plascore's "Cleaning / Maintenance / Storage Instructions for Doors" or contact Plascore with any questions.

(End of Section)