

# INSTALLATION INSTRUCTIONS FOR PLASCORE NARROW STILE DOORS

The following information is provided by Plascore, Inc., as a general guideline for the installation of the Plascore Narrow Stile 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.

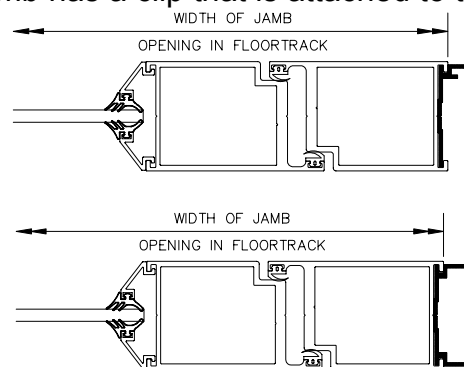
## 1. UNCRATING, INSPECTION, AND INVENTORY

- 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. FLOORTRACK AT DOOR OPENINGS

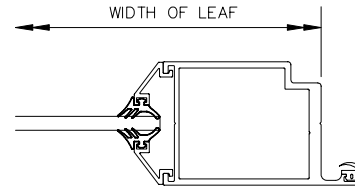
- A. An opening must be left in the floortrack layout for door openings. The side door jamb assembly extends to the floor. The door jamb has a clip that is attached to the outside of it on three sides and is held  $\frac{1}{2}$ " off the bottom of the jamb. This clip is either  $\frac{1}{4}$ " thick or 1.88" thick to be battened in place.
- B. The best way to determine the correct size opening in the floortrack is to measure across the top of the assembled door jamb, NOT INCLUDING THE CLIP. This is the opening width to be left in the floortrack. (See illustration.)
- C. If the door jamb assembly is not available to measure, use the following dimension for opening widths:

SINGLE DOOR MODULES  
DOUBLE DOOR MODULES



Add 5.84" to door leaf width  
Add 6.18" to sum of two door leaves

**Note:** The door leaf width is measured from the wide-flat-edge to wide-flat-edge. The measurement DOES NOT go from outside-of-lip to outside-of-lip. (See Illustration.)



D. For standard Plascore door sizes, use the following table for floortrack openings:

**FOR S5050, F5050, F2550, and SL2550 Wall Systems:**

CTC Dimensions of Posts around jamb	Actual Door Leaf	Single or Double	Floortrack Opening
31.84"	24.00" x 84.00"	Single	29.84"
43.84"	36.00" x 84.00"	Single	41.84"
1200mm	39.41" x 84.00"	Single	45.25"
48.00"	40.16" x 84.00"	Single	46.00"
80.18"	(2) 36.00" x 84.00"	Double	78.18"
2400mm	(2) 43.16" x 84.00"	Double	92.50"
96.00"	(2) 43.91" x 84.00"	Double	94.00"

**FOR F5075 Wall System:**

CTC Dimensions of Posts around jamb	Actual Door Leaf	Single or Double	Floortrack Opening
32.84"	24.00" x 84.00"	Single	29.84"
44.84"	36.00" x 84.00"	Single	41.84"
1200mm	38.41" x 84.00"	Single	44.25"
48.00"	39.16" x 84.00"	Single	45.00"
81.18"	(2) 36.00" x 84.00"	Double	78.18"
2400mm	(2) 42.66" x 84.00"	Double	91.50"
96.00"	(2) 43.41" x 84.00"	Double	93.00"

**3. INSTALLATION OF DOOR FRAMES**

- A. Remove the door leaves from the jambs. They will be installed at a later time. (See Section 5 for details.)
- 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 leaves 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 on the floortrack as usual, aligning the edge of the post/battens with the edge of the floortrack. 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 in the floor track. Be certain that the hinges are on the correct side of the opening. Lower the jamb assembly to align with the surrounding floortrack. The door jamb legs are to fit down onto the finished floor. 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 this is not level, either level the floor or 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 (onto the vertical posts 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** –

- 1) Install (2) F2550 mounting blocks to the end of the posts.
  - a) 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.
- 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).

- 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).

#### 4. INSTALLING PANELS AROUND DOOR JAMBS

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

#### 5. INSTALLATION OF DOOR LEAFS

- 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.

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

(End of Section)