

# INSTALLATION INSTRUCTIONS FOR PLASCORE WIDE STILE DOORS

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

## FOR S5050 and F5050 Wall Systems:

### A2. 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, and is attached to the floortrack with a threaded insert and t-nut/t-bolt connection.
- B. The best way to determine the correct size opening in the floortrack is to measure across the top of the assembled door jamb unit, from outside edge of batten to outside edge of batten. This is the opening width to be left in the floortrack.
- C. If the door jamb assembly is not available to measure, use the following dimension for opening widths:

SINGLE DOOR MODULES	Add 5 1/4" to door leaf width
DOUBLE DOOR MODULES	Add 5 3/8" to sum of two door leaves

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

Nominal Size	Actual Door Leaf	Single or	
		Double	Floortrack Opening
2070	24" x 84"	Single	29 1/4"
3070	36" x 84"	Single	41 1/4"
4070	48" x 84"	Single	53 1/4"
6070	(2) 36" x 84"	Double	77 3/8"
8070	(2) 48" x 84"	Double	101 3/8"

- E. Install a threaded insert (part no. 831974) into the T-groove of the floortrack, using the Threaded Insert Installation Tool (part no. 831973). 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 floortrack, stopping when the tool has bottomed out against the floortrack.
- F. Insert a T-bolt (part number 868012) through the threaded insert in the floortrack. Loosely attach a 1/4-20 T-nut (part number 840803) onto the bolt. Push the T-nut into the cavity in the end of the floortrack.

### A3. INSTALLATION OF DOOR JAMBS

- A. Single door modules supplied by Plascore are usually shipped with the jamb completely intact, and the door pre-hung within the jamb.
- B. Double doors are typically shipped with the leafs loose, and the jamb knocked down into three pieces--(two) side jambs and (one) top header jamb, each mitered. In the top header jamb, connection angles are installed. To assemble the jamb, slide the side door jambs onto these connection angles and align the jambs. Install the waferhead bolts (part no. 840818) through the holes on the top edge of the top header jamb into the screw bosses in the side jambs, ensuring that the joint is aligned as the screws are tightened.
- C. Remove the batten from the door jamb assembly. To remove batten, pull back the enclosure cap and remove the batten screws with a 1/8" allen wrench.
- D. Position the door jamb over the opening in the floor track. Be certain that the pivot is 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.
- E. Push the T-bolt in the floortrack out, sliding the T-nut into the T-groove of the door jamb assembly. Tighten with a 3/16" allen head T-handle (yellow-handled, part no. 840323), ensuring that the T-nut has engaged the T-groove in the door jamb assembly.
- F. ***If the door module spans between the gridline on wall layout***, a component will be required above the top door jamb. To determine the correct length of this component, measure from the top edge of the top jamb batten to the bottom edge of the headtrack. Add 2" so that the top of the component will rest inside the headtrack. To locate the component, position the center of the component on gridline.

G. For the various Plascore Wall Systems:

- a) **S5050** – Install a S5050 fastening plate and T-nut/T-bolt the post to the top of the door jamb at the proper location.
  - 1) 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) Insert a T-nut (part no. 840807) and the accompanying T-bolt (part no. 840806) through the slot in the fastening plate. Align the T-nut so that it drops into the T-groove in the door jamb and tighten with the 3/16" allen head T-handle (yellow-handled, part no. 840323).
- b) **F5050** – Before mounting the post to the door jamb, install two threaded inserts (part no. 831974) into the T-grooves of the post, using the Threaded Insert Installation Tool (part no. 831973).
  - 1) 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 a T-nut (part no. 840807) and the accompanying T-bolt (part no. 868012) through the slot in the threaded insert. Align the T-nut so that it drops into the T-groove in the door jamb and tighten with the 3/16" allen head T-handle (yellow-handled, part no. 840323).

H. ***If the door module has one side jamb leg that falls on gridline***, a short component will be required above the side door jamb. This component should line up with the side door jamb leg. To determine the correct length of this component, measure from the top edge of the side door jamb to the bottom edge of the headtrack. Add 2" so that the top of the component will rest inside the headtrack.

- I. To locate the component, position the outside edge of the batten to the outside edge of the side door jamb. For the various Plascore Wall Systems:
  - a) **S5050** - Install a S5050 fastening plate at the end of the post assembly and T-nut to the door jamb assembly at the proper location.
  - b) **F5050** – Install two threaded inserts to the end of the post assembly and T-nut to the door jamb assembly at the proper location.

#### **A4. CUTTING PANELS FOR DOOR JAMBS**

A. Installing a Plascore supplied door module generally requires that a panel or panels be field cut to fit within the door jamb. Because the door modules can fit anywhere

within the wall, there are many variations of panel cutouts possible.

- B. **To determine the height of the cutout** in a panel, measure the height of the door jamb from the finished floor. Subtract 7/8" from this measurement to get the height of the cutout. (The panel will sit 1/2" above the floor in the floor track and 3/8" in the batten at the top of the door jamb.)
- C. **For a door module that fits within a 4' panel**, a U-shaped cutout will be required. To determine the width of the cutout for a U-shaped panel, measure the width of the door jamb assembly from outside edge to outside edge of batten. Subtract 3/4" from this measurement to get the width of the cutout. (The panel is to fit within the jamb by 3/8" each side.)
- D. **For a door module that spans between (two) 4' panels**, two L-shaped cutouts will be required. To determine the width of each cutout for an L-shaped panel, measure from the outside edge of the side door jamb assembly to the edge of the batten of the vertical above the top door jamb. This measurement is the width of the cutout, as the panel will fit within both battens by 3/8" each.
- E. **For a single door module with one jamb that falls on the grid line**, a U-shaped cutout will likely be required. To determine the width of the cutout for the U-shaped panel, measure from the edge of the batten above the side door jamb to the outside edge of the batten at the side door jamb. This measurement is the width of the cutout, as the panel will fit within both battens by 3/8" each.

## **A5. INSTALLATION OF DOOR LEAFS**

- A. Stand the door leaf up on the batten side of the door jamb assembly.
- B. Pick up the door leaf and set the lower pivot onto the hex leveler, which is attached to the pivot base.
- C. Swing the door towards the upper pivot. Press the pin on top of the pivot into its base, and position the door into the door jamb assembly.
- D. Make sure the pin has snapped into the hole in the top pivot for complete installation of the door leaf.
- E. The height of the door can be adjusted if necessary. To adjust, turn the hex leveler nut on the lower pivot plate with a 5/8" open end wrench.
- F. On double door modules where the frames require site assembly, the closer arm may require attachment to the door jamb assembly after the door leaves are installed.
- G. If the door leaf is equipped with a LCN 3134 closer, remove the Teflon roller ball from the closer arm. Insert the roller ball into the groove in the top door jamb by gently twisting into position. Re-attach the closer arm to the roller ball.
- H. Door gasketing and specified door hardware is factory applied as much as possible. Follow specific installation instructions for any loosely shipped door parts.

## **FOR F2550, F5075 and SL2550 Wall Systems:**

### **B2. 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, and is attached to the floortrack with a half mounting block.
- B. The best way to determine the correct size opening in the floor track is to measure across the top of the assembled door jamb unit, from outside edge of batten to outside edge of batten. This is the opening width to be left in the floortrack.
- C. If the door jamb assembly is not available to measure, use the following dimension for opening widths:

SINGLE DOOR MODULES	Add 5 1/4" to door leaf width
DOUBLE DOOR MODULES	Add 5 3/8" to sum of two door leafs

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

Nominal Size	Actual Door Leaf	Single or Double	Floortrack Opening
2070	24" x 84"	Single	29 1/4"
3070	36" x 84"	Single	41 1/4"
4070	48" x 84"	Single	53 1/4"
6070	(2) 36" x 84"	Double	77 3/8"
8070	(2) 48" x 84"	Double	101 3/8"

- E. Screw a half mounting block (part no. 830682) to the floor track with (2) block screws (part no. 840805) prior to mounting the floortrack to the floor.

### B3. INSTALLATION OF DOOR FRAMES

- A. Single door modules supplied by Plascore are usually shipped with the frame completely intact, and the door pre-hung within the jamb.
- B. Double doors are typically shipped with the leafs loose, and the frame knocked down into three pieces--(two) side jambs and (one) top header jamb, each mitered. In the top header jamb, connection angles are installed. To assemble the jamb, slide the side door jambs onto these connection angles and align the jambs. Install the waferhead bolts (part no. 840818) through the holes on the top edge of the top header jamb into the screw bosses in the side jambs, ensuring that the joint is aligned as the screws are tightened.
- C. Remove the batten from the door jamb assembly. To remove batten, pull back the enclosure cap and remove the batten screws with a 1/8" allen wrench.
- D. Position the door jamb over the opening in the floor track. Be certain that the pivot is on the correct side of the opening. Lower the jamb assembly onto the mounting block halves, which has been previously installed onto the floortrack. The door jamb legs are to fit down onto the finished floor, with the mounting block halves inside of the jamb leg battens.
- E. Insert a T-nut (part no. 840807) and T-bolt (part no. 840806) into the mounting block and door jamb leg, and tighten.
- F. ***If the door module spans between the gridline on wall layout***, a component will be required above the top door jamb. To determine the correct length of this component, measure from the top edge of the top jamb batten to the bottom edge of

the headtrack. Add 2" so that the top of the component will rest inside the headtrack. To locate the component, position the center of the component on gridline.

- G. For the various Plascore Wall Systems:
- a) **F2550** – Install a F2550 Mounting Block (part number 831938) to the end of the post assembly and T-nut to the door jamb assembly at the proper location.
  - b) **F5075** – Install a F5075 Mounting Block (part number 830590) to the end of the post assembly and T-nut to the door jamb assembly at the proper location.
  - c) **SL2550** – Do not install the three piece batten set at this point.
- H. **If the door module has one side jamb that falls on gridline**, a short component will be required above the side door jamb. This component should line up with the side door jamb leg. To determine the correct length of this component, measure from the top edge of the side door jamb to the bottom edge of the headtrack. Add 2" so that the top of the component will rest inside the headtrack.
- I. To locate the component, position the outside edge of the batten to the outside edge of the side door jamb. For the various Plascore Wall Systems:
- a) **F2550** – Install a F2550 Mounting Block (part number 831938) to the end of the post assembly and T-nut to the door jamb assembly at the proper location.
  - b) **F5075** – Install a F5075 Mounting Block (part number 830590) to the end of the post assembly and T-nut to the door jamb assembly at the proper location.
  - c) **SL2550** – Do not install the three piece batten set at this point.

#### **B4. CUTTING PANELS FOR DOOR FRAMES**

- A. Installing a Plascore supplied door module generally requires that a panel or panels be field cut to fit within the door jamb. Because the door modules can fit anywhere within the wall, there are many variations of panel cutouts possible.
- B. **To determine the height of the cutout** in a panel, measure the height of the door jamb from the finished floor. Subtract 7/8" from this measurement to get the height of the cutout. (The panel will sit 1/2" above the floor in the floor track and 3/8" in the batten at the top of the door jamb.)
- C. **For a door module that fits within a 4' panel**, a U-shaped cutout will be required. To determine the width of the cutout for a U-shaped panel, measure the width of the door jamb assembly from outside edge to outside edge of batten. Subtract 3/4" from this measurement to get the width of the cutout. (The panel is to fit within the jamb by 3/8" each side.)
- D. **For a door module that spans between (two) 4' panels**, two L-shaped cutouts will be required. To determine the width of each cutout for an L-shaped panel, measure from the outside edge of the side door jamb assembly to the edge of the batten of the vertical above the top door jamb. This measurement is the width of the cutout, as the panel will fit within both battens by 3/8" each.
- E. **For a single door module with one jamb that falls on the grid line**, a U-shaped cutout will likely be required. To determine the width of the cutout for the U-shaped panel, measure from the edge of the batten above the side door jamb to the outside edge of the batten at the side door jamb. This measurement is the width of the cutout, as the panel will fit within both battens by 3/8" each.

## **B5. INSTALLATION OF DOOR LEAFS**

- A. Stand the door leaf up on the batten side of the door jamb assembly.
- B. Pick up the door leaf and set the lower pivot onto the hex leveler, which is attached to the pivot base.
- C. Swing the door towards the upper pivot. Press the pin on top of the pivot into its base, and position the door into the door jamb assembly.
- D. Make sure the pin has snapped into the hole in the top pivot for complete installation of the door leaf.
- E. The height of the door can be adjusted if necessary. To adjust, turn the hex leveler nut on the lower pivot plate with a 5/8" open end wrench.
- F. On double door modules where the frames require site assembly, the closer arm may require attachment to the door jamb assembly after the door leafs are installed.
- G. If the door leaf is equipped with a LCN 3134 closer, remove the Teflon roller ball from the closer arm. Insert the roller ball into the groove in the top door jamb by gently twisting into position. Re-attach the closer arm to the roller ball.
- H. 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.

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