Nxtwall
Installation Instruction

Phone: (269) 488-2752

01/2024

Installation Scenario:

Flex Series Radius Post Installation.

- This guide covers how to build a Radius Post for Floor to Ceiling Applications.
- This guide applies to all Flex Series applications.
    - Full Height Swing Door, Non-Full Height Swing and Sliding Door (Pages 3-5)
    - Full Height Sliding Door (Pages 6-8)
    - Radius Post Off Existing Wall (Pages 9-11)

Nxtwall Components Covered by this Instruction:

- Male Radius Post
- Female Radius Post
- Flex Track
- Genesis Stud
- Flex L-Brackets

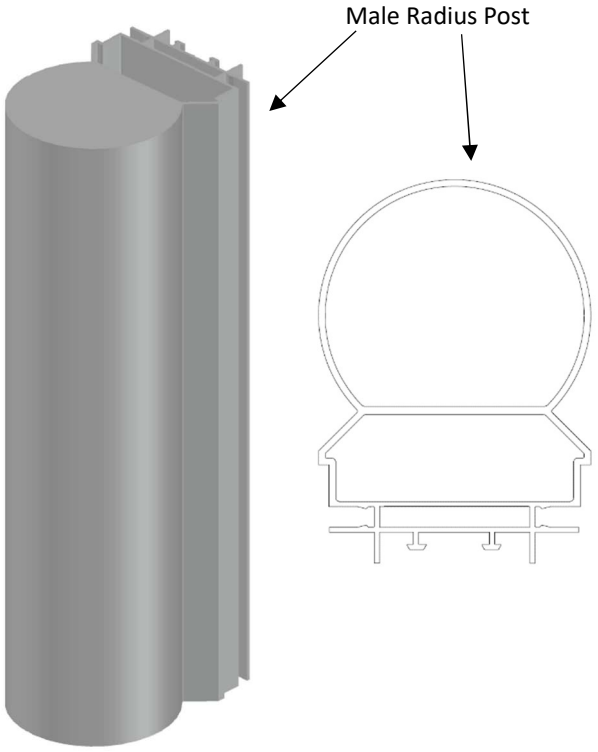
Recommended Installation Tools:

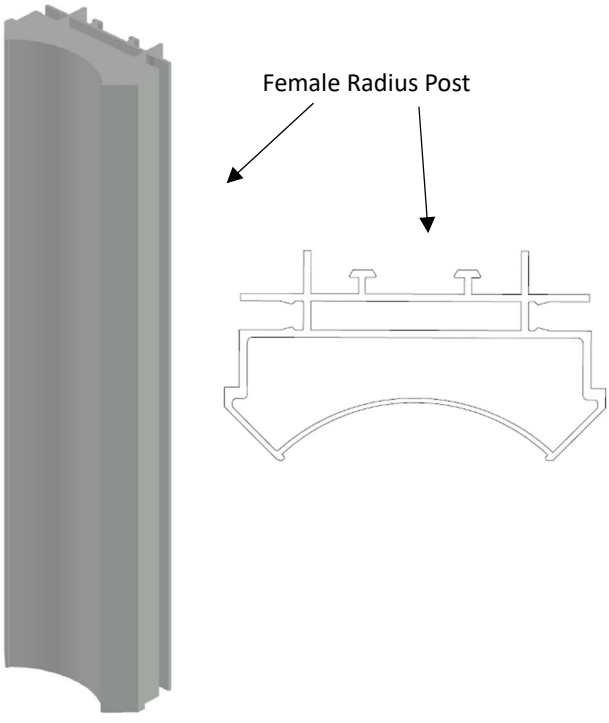
- Miter Saw
- Laser Level (or Level)
- Tape Measure
- Impact Driver and/or Drill
- Nylon Mallet/Rubber Mallet
- Phillips Screwdriver
- Utility Knife
- Hammer Drill
- External Attaching Hardware
    - Note: Nxtwall does not include external attaching hardware.
- Cabling/Bracing (If Needed)
    - Note: Nxtwall does not include cabling/bracing.

Male and Female Radius Post Function

- The function of the Radius Post is to create angled Partitions within the layout of the wall system.

Fig. 1





Phone: (269) 488-2752

01/2024

Male and Female Radius Post Function:

- With the Flex Series anytime there is an angled partition a Male and Female Radius Post will be used.
  - The Female Radius Post rotates around the Male Radius Post to create the angle needed. Fig. 2.
  - The Radius Posts have a Flex Stud built into the Post.
  - The angle the Radius Posts are set is determined on site.
- If there is a partition coming off an angled existing wall a Male Radius Post will be attached to the existing wall and the Female Radius Post will be used to square the partition to another partition or existing wall. More information on this detail on page 9.
- Once the solid and/or glass panels have been installed, Flex Trim will be installed onto the Stud portion of the Radius Post to hold the panels in place. Fig. 3.

Fig. 2

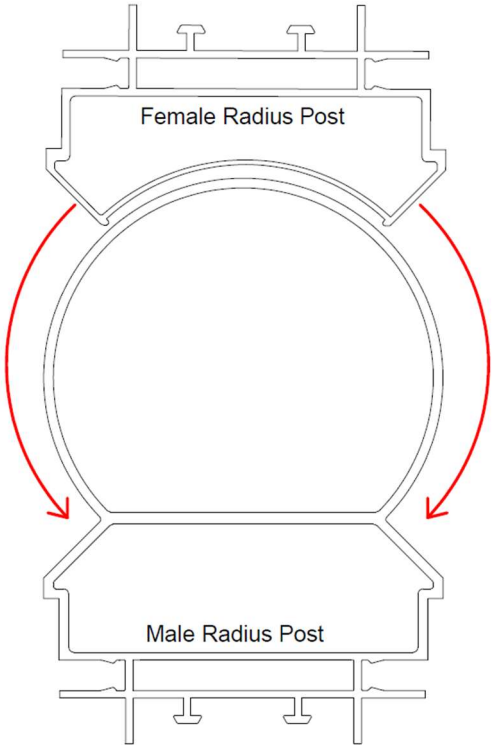
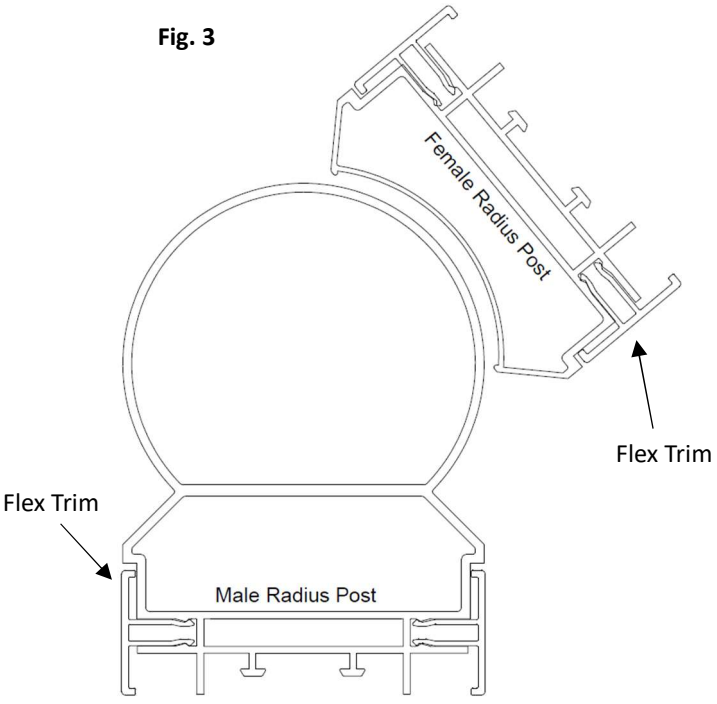
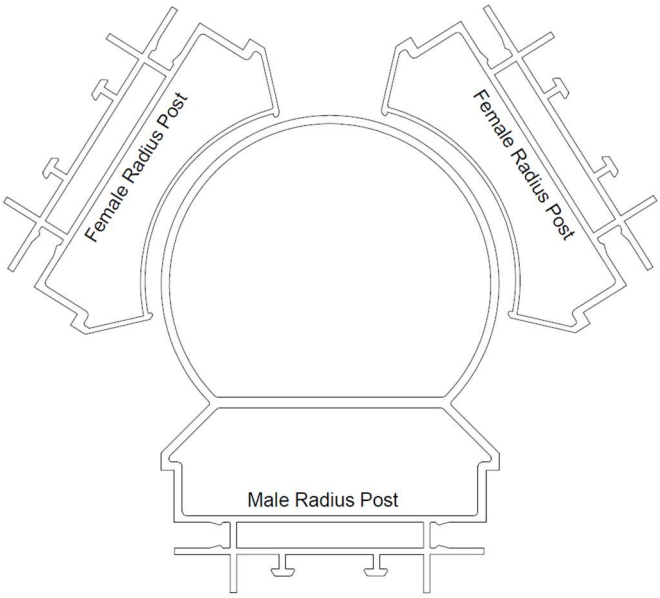


Fig. 3





Example of a 3 Way Radius Post

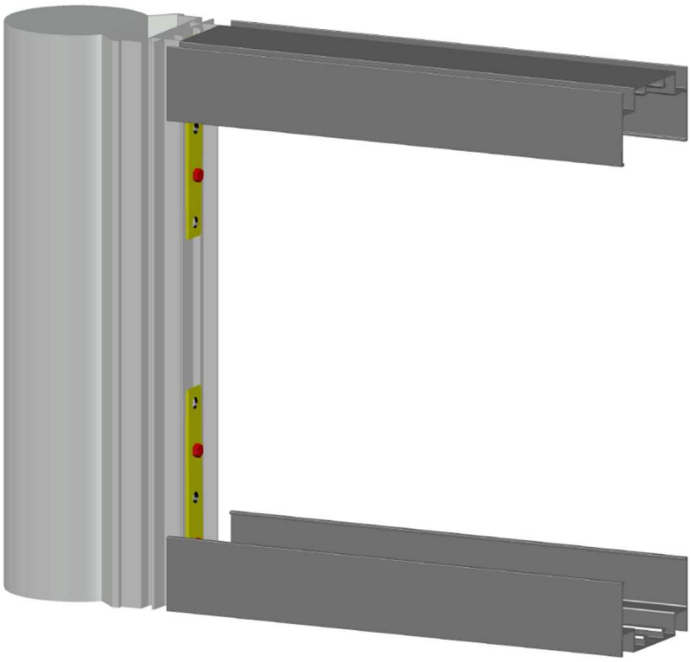
Radius Post Construction/Installation

- This section will cover Flex Series applications for:
  - **Full Height Swing Doors**
  - **Non-Full Height Swing Doors**
  - **Non-Full Height Sliding Doors**
  - **Non-Door Opening Partitions**

Radius Post Installation:

1. Cut Male and Female Radius Posts to length.
   a. Note: The length will be the Floor to Ceiling measurement.
2. Attach the Male Radius Post to the Flex Track at the ceiling and/or floor. Fig. 4.
   a. The Flex Stud portion of the Radius Post will butt into the Flex Track, it will not be inside the track. Fig. 5.
   b. Slide the Flex L-Brackets into the center of the Radius Post. Attach using 2 – 3/4" Framing Screws. Fig. 6.
   c. Tighten the set screw in the L-Bracket. To help keep the framing tight together run an anchoring screw through an open hole in the L-Bracket. Fig. 6.

Fig. 4



Note: If there is a door opening coming off the Male Radius Post there will not be a Flex Track at the floor within the walkthrough opening.

Fig. 6

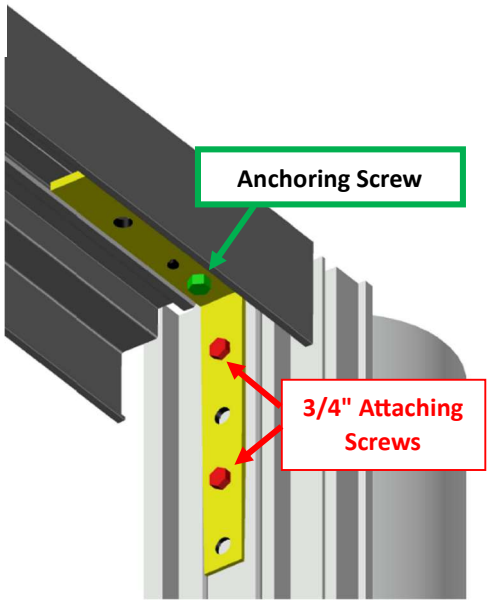
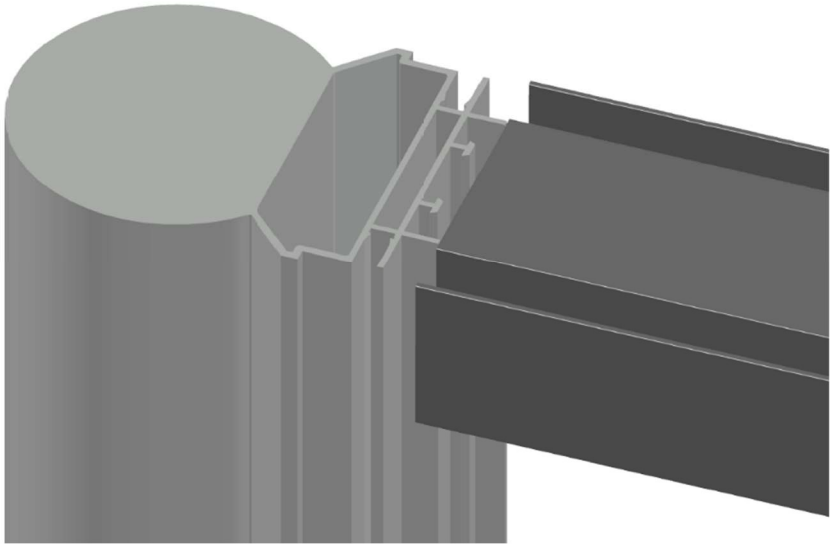


Fig. 5



Phone: (269) 488-2752

3. Place the Female Radius Post onto the Male Radius Post. Fig. 7 and Fig. 8.
4. Determine the angle the Female Post is to be set at.
5. Attach the Female Post to the Male Post using 4 – 2 ½" Framing Screws.
6. Install Flex Track to the ceiling and/or floor coming off the Female Radius Post.

Fig. 7

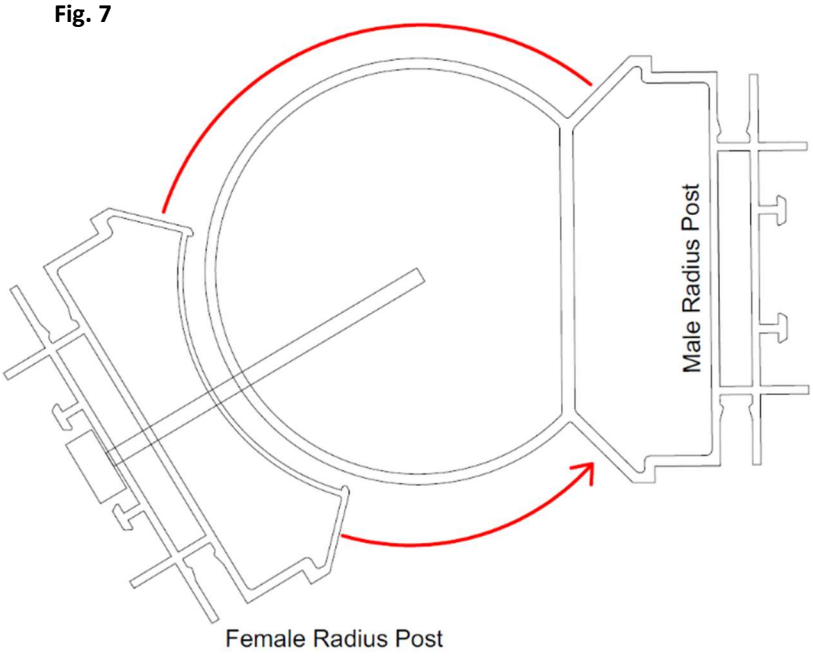
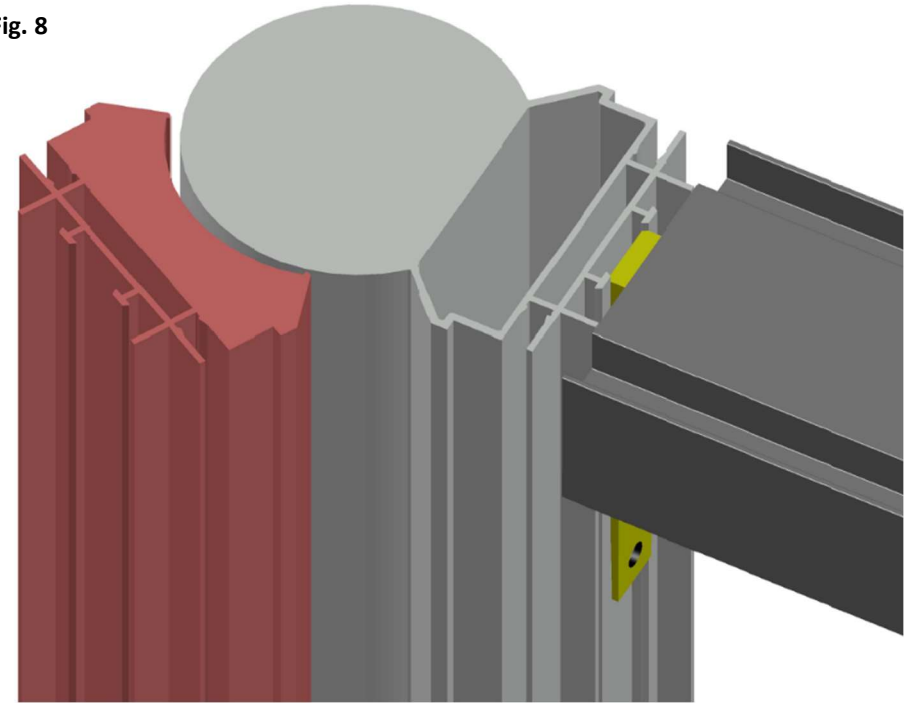


Fig. 8



7. Attach the Flex Track to the Female Radius Post at the ceiling and/or floor. Fig. 9.
    a. The Flex Stud portion of the Radius Post will butt into the Flex Track, it will not be inside the track. Fig. 10.
    b. Slide the Flex L-Brackets into the center of the Radius Post. Attach using 2 – 3/4" Framing Screws. Fig. 11.
    c. Tighten the set screw in the L-Bracket. To help keep the framing tight together run an anchoring screw through an open hole in the L-Bracket. Fig. 11.

Fig. 10

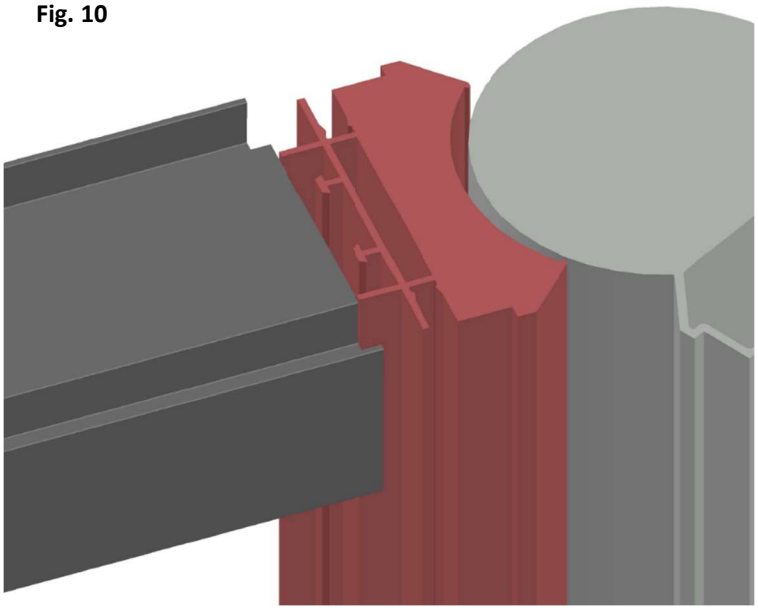


Fig. 11

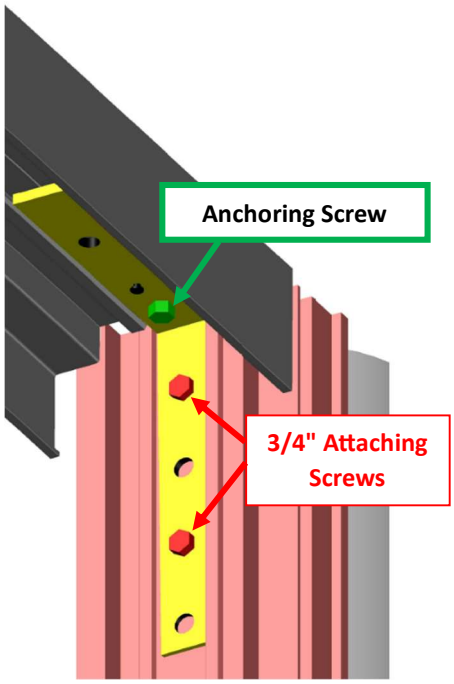
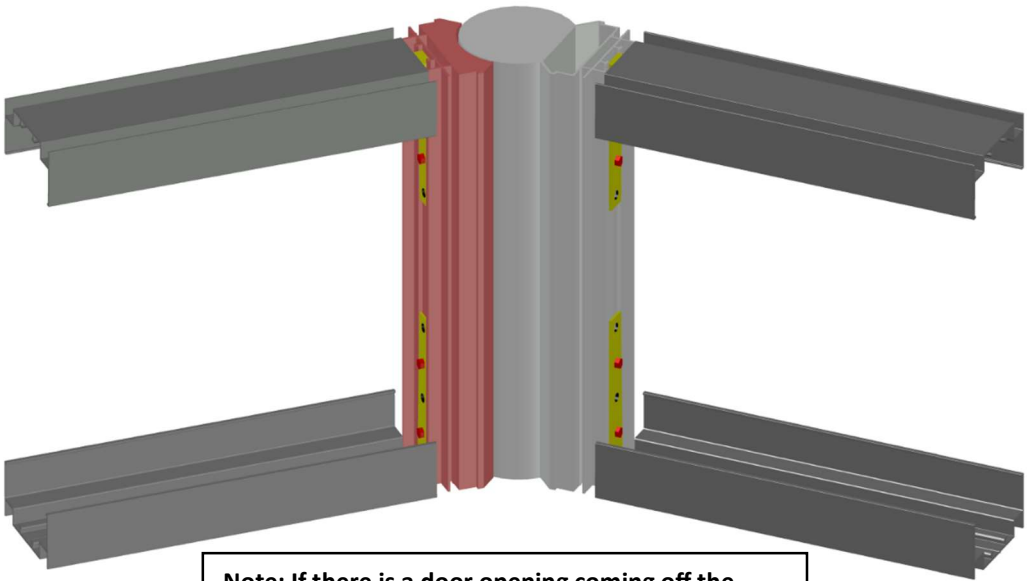


Fig. 9



Note: If there is a door opening coming off the Female Radius Post there will not be a Flex Track at the floor within the walkthrough opening.

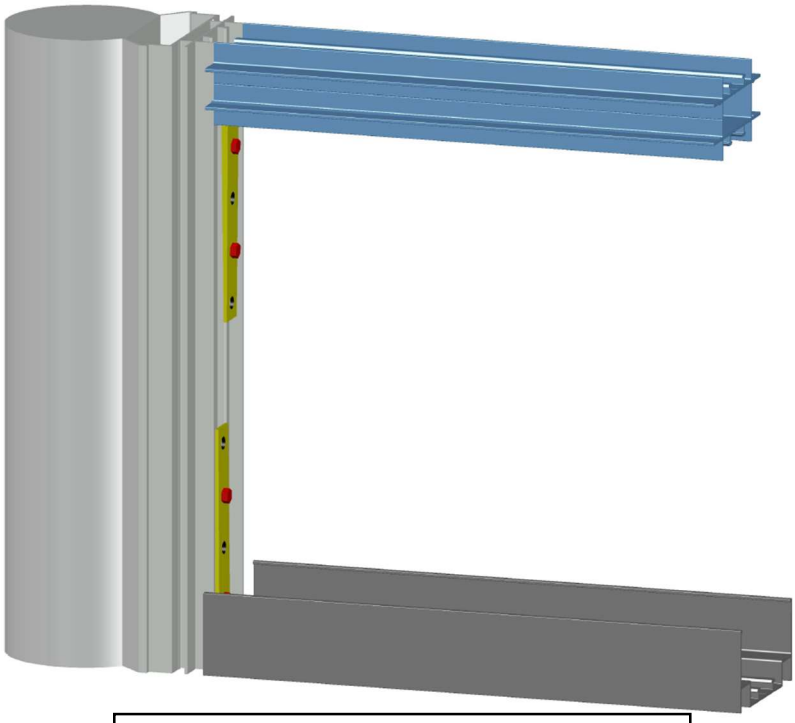
Radius Post Construction/Installation

- This section will cover Flex Series applications for:
  - **Full Height Sliding Doors**
    - **Note: For Full Height Sliding Door Applications there will be a Genesis Stud attached to the ceiling.**

Radius Post Installation:

1. Cut Male and Female Radius Posts to length.
   a. Note: The length will be the Floor to Ceiling measurement.
2. Attach the Male Radius Post to the Genesis Stud at the ceiling and the Flex Track at the floor. Fig. 12.
   a. The Flex Stud portion of the Radius Post will butt into the Genesis Stud. Fig. 13.
   b. Slide the Flex L-Brackets into the center of the Radius Post. Attach using 2 – 3/4" Framing Screws. Fig. 14.
   c. Tighten the set screw in the L-Bracket. To help keep the framing tight together run an anchoring screw through an open hole in the L-Bracket. Fig. 14.

Fig. 12



Note: If there is a door opening coming off the Male Radius Post there will not be a Flex Track at the floor within the walkthrough opening.

Fig. 13

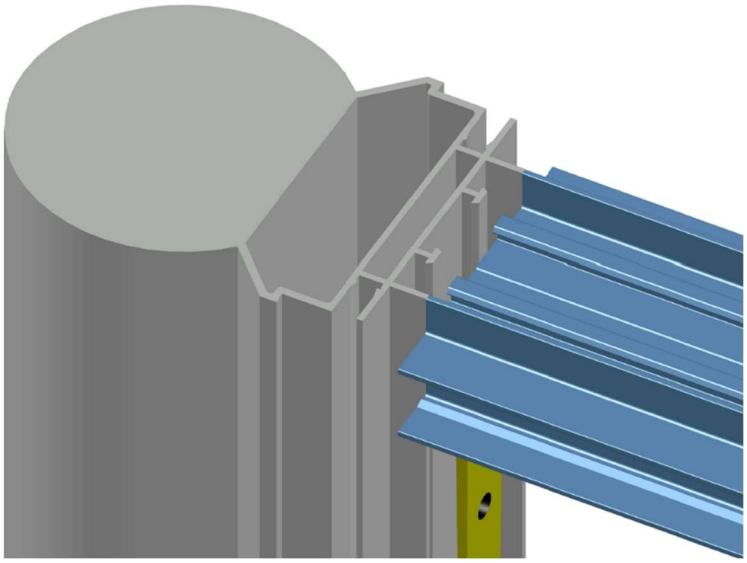
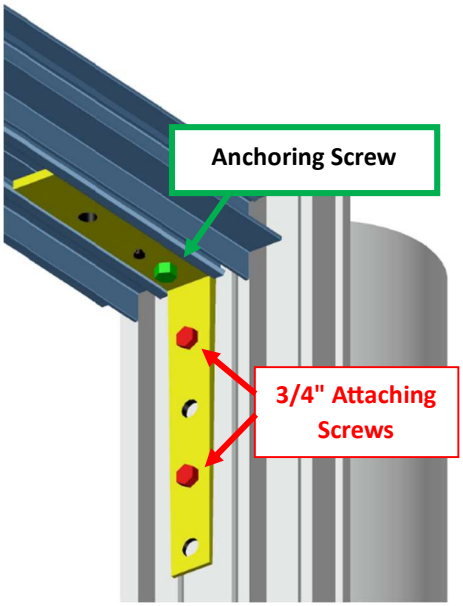


Fig. 14



3. Place the Female Radius Post onto the Male Radius Post. Fig. 15 and Fig. 16.
4. Determine the angle the Female Post is to be set at.
5. Attach the Female Post to the Male Post using 4 – 2 ½" Framing Screws.
6. Install the ceiling track to the ceiling and/or floor coming off the Female Radius Post.
    a. If there is a Flex Track at the ceiling reference page 5 for attaching.
    b. If there is a Full Height Sliding Door coming off the Female Post there will be a Genesis Stud attached to the ceiling. Reference next page for attaching.

Fig. 15

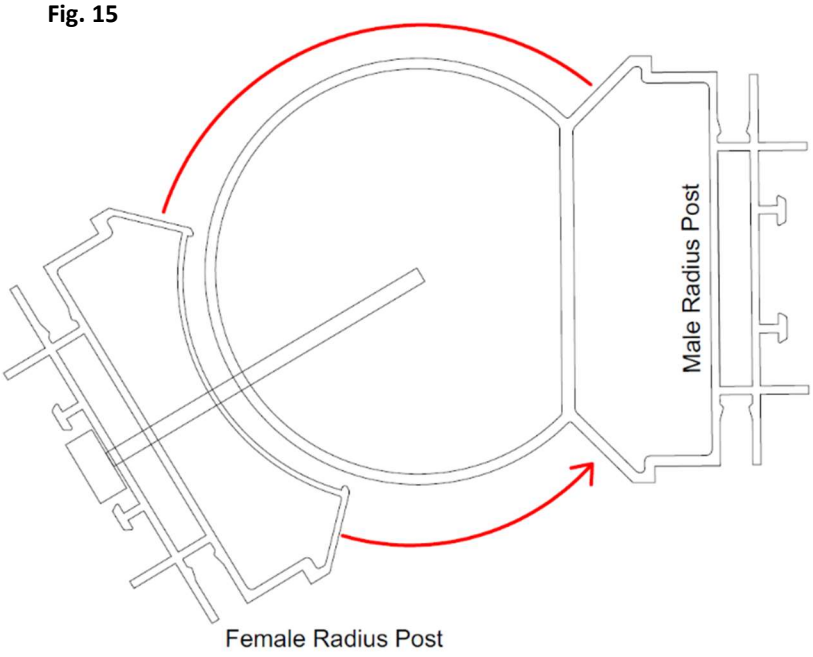
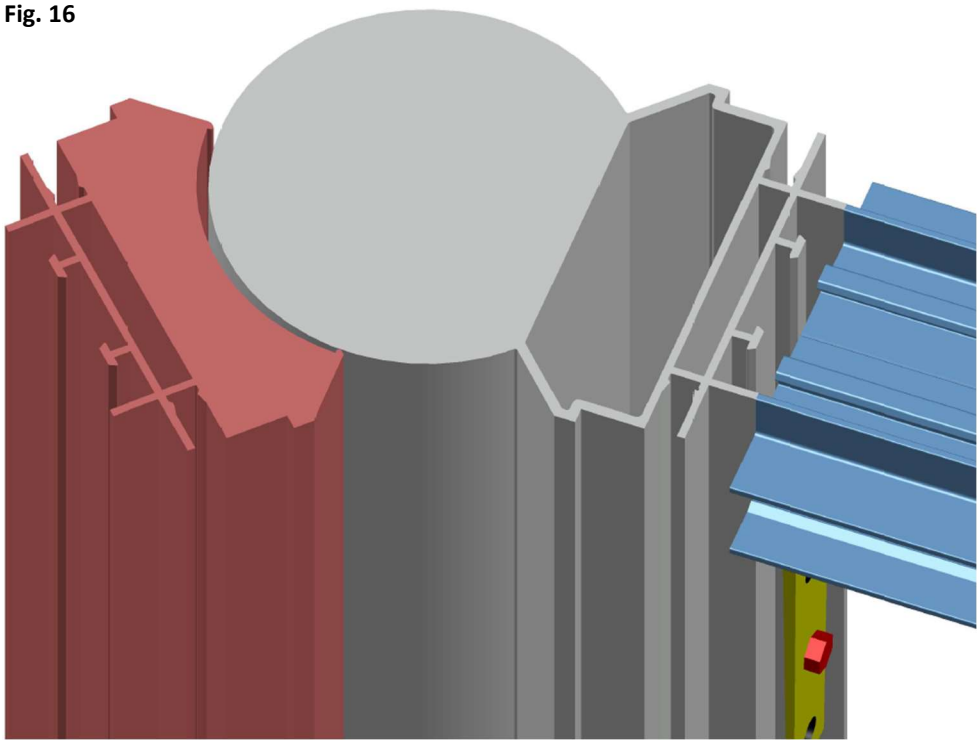


Fig. 16



7. Attach the Genesis Stud or Flex Track to the Female Radius Post at the ceiling and to the Flex Track at the floor. Fig. 17.
    d. The Flex Stud portion of the Radius Post will butt into the Genesis Stud. Fig. 18.
    e. Slide the Flex L-Brackets into the center of the Radius Post. Attach using 2 – 3/4" Framing Screws. Fig. 19.
    f. Tighten the set screw in the L-Bracket. To help keep the framing tight together run an anchoring screw through an open hole in the L-Bracket. Fig. 19.

Fig. 18

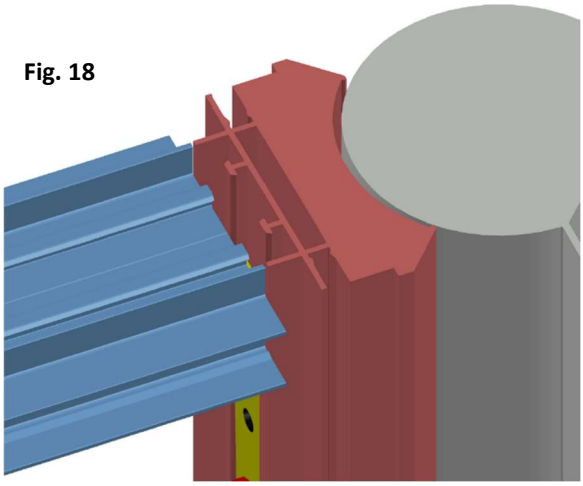


Fig. 19

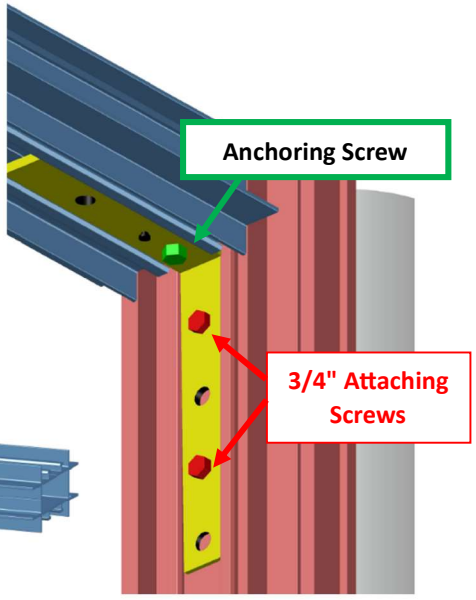
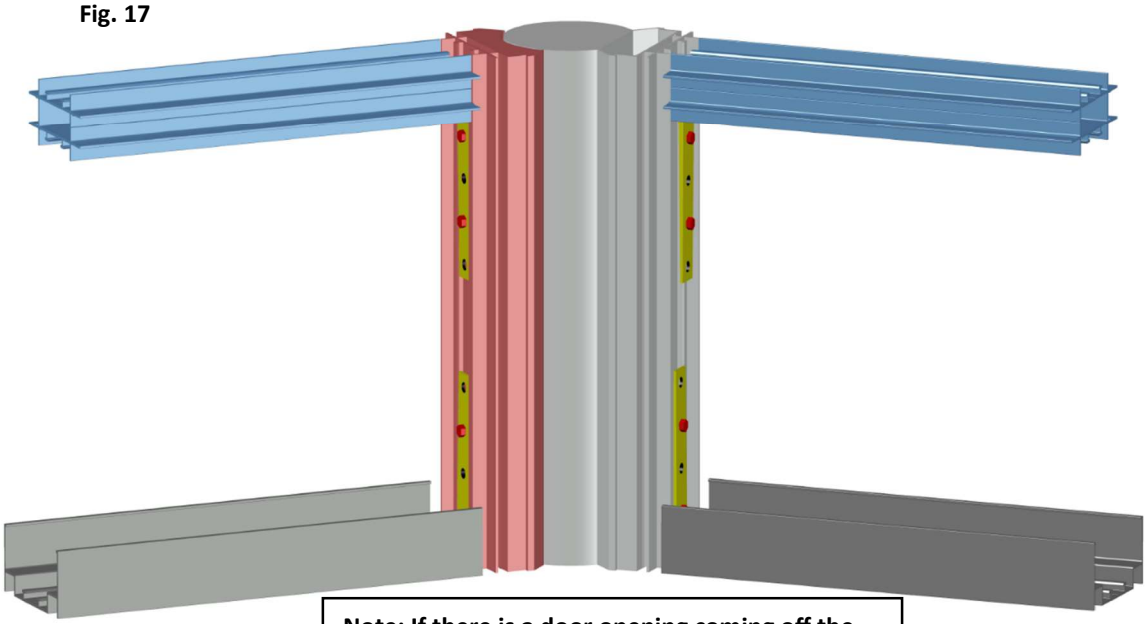


Fig. 17



Note: If there is a door opening coming off the Female Radius Post there will not be a Flex Track at the floor within the walkthrough opening.

Radius Post Installation: Radius Post Attached to Existing Wall

This section of the guide will cover situations where the Radius Post is attached to an existing wall.

This situation typically occurs when a partition is coming off an existing wall that is on an angle. The Radius Post is used to square the partition to another partition or an existing wall.

For these situations the Male Radius Post will be attached to the existing wall, the Female Post will be used to create the angle needed. Fig. 20.

Fig. 20

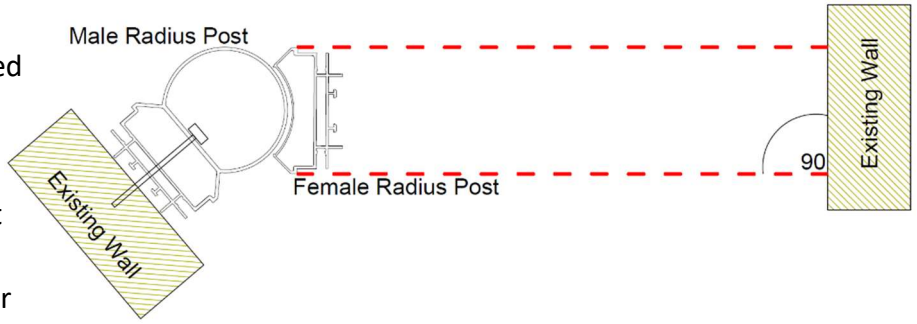
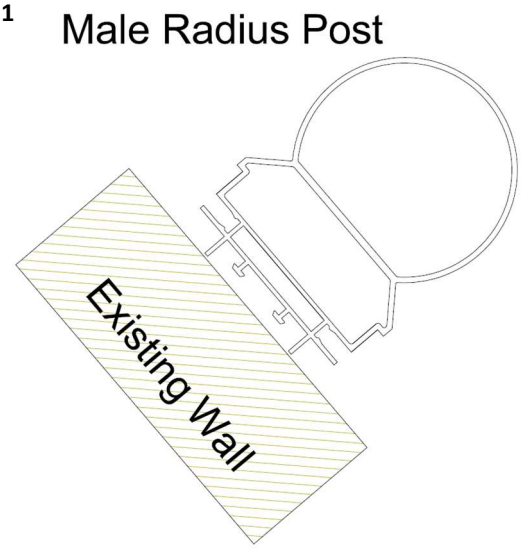


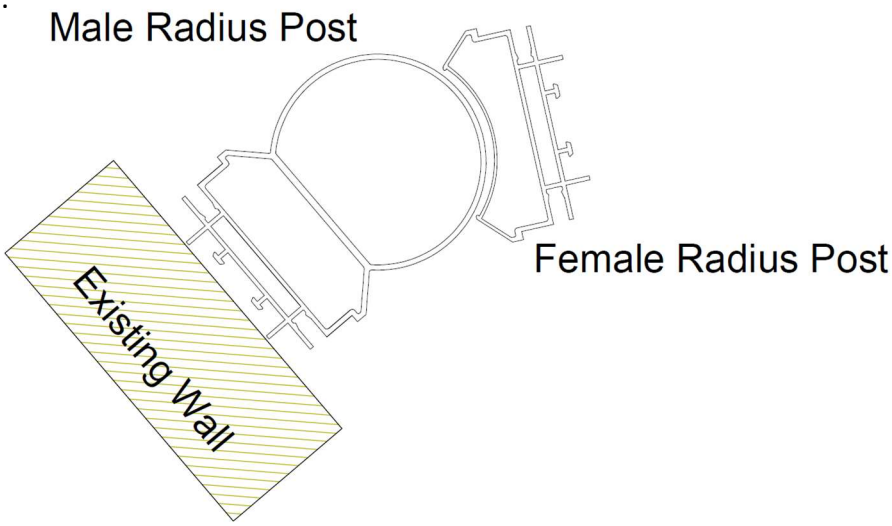
Fig. 21



Installation:

1. Layout the partition to determine the location of the Radius Posts.
2. Cut the Male and Female Radius Post to length.
    a. Note: The length will be the floor to ceiling measurement.
3. Place the Male Post against the existing wall. Do not attach. The Male Post will need to be prepped for attachment. Fig. 21.
4. Place the Female Post onto the Male Post at the angle needed for the partition. Do not attach. Fig. 22.

Fig. 22



5. Mark the position of the Female Post on the Male Post. This mark will be used to determine where the holes need to be drilled on the Male Post for attachment.
6. Preparation of the Male Post.
    a. The Male Post is prepped by drilling holes large enough to fit a nut driver through the face of the post and into the center of the post. The attaching hardware will be attached to the inside of the Post. Fig. 23.
    b. Note: Nxtwall does not provide external attaching hardware. Use a minimum 4" attaching screw for the Male Post.
7. Mark the location of the holes and drill the holes.
    a. Try to keep the holes closest to the center of the Male Post. This will help when installing the attaching hardware. If the hole is on too much of an angle it may be more difficult to run the attaching hardware.
    b. It is important to correctly mark the position of the Male Post. The holes used for attaching the Male Post to the existing wall will need to be covered by the Female Post. Fig. 24 and 25.

Fig. 23

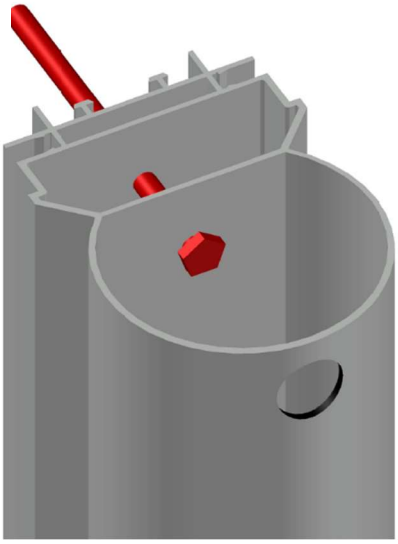


Fig. 24

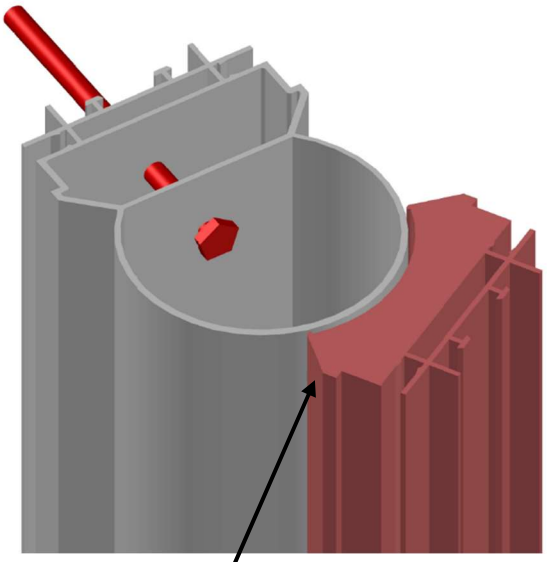
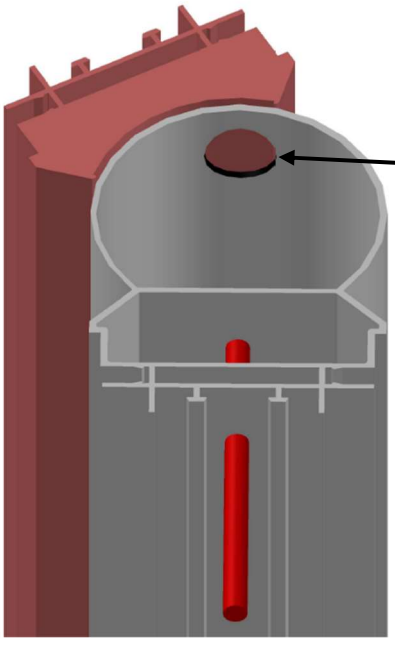


Fig. 25



8. Attach the Male Post to the existing wall. Fig. 26.
    a. Make sure the post is plumb.
9. Place the Female Post onto the Male Post at the angle needed.
10. Attach the Female Post to the Male Post using 4 – 2 ½" Screws. Fig. 27.
11. Attach remaining framing.

Fig. 26

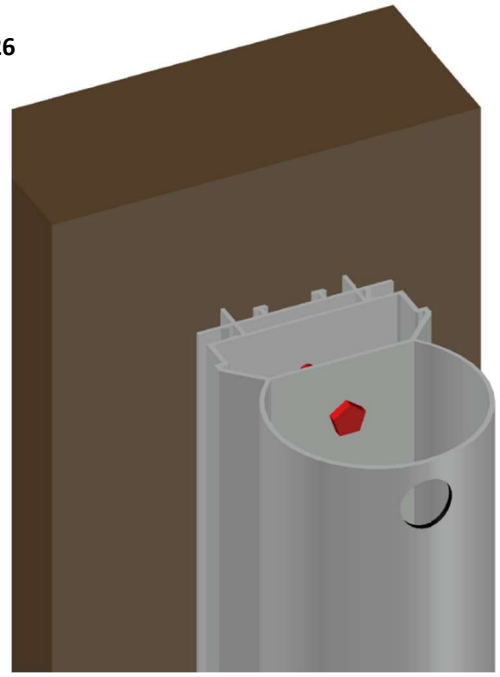


Fig. 27