Installation Scenario:

Flex Series Freestanding Non-Full Height Sliding Door

- This guide covers how to frame for this scenario only, does not include panel or door installation.

Nxtwall Components Covered by this Instruction:

- View Wall-Start
- Flex Track
- Flex Stud
- Flex L-Brackets
- Finish Cover
- Flex Trim
- C-Rail

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
  - o Note: Nxtwall does not include external attaching hardware.
- Cabling/Bracing (If Needed)
  - o Note: Nxtwall does not include cabling/bracing.
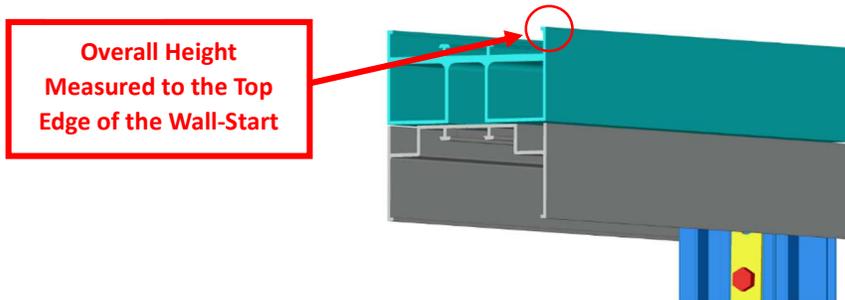
Fig. 1
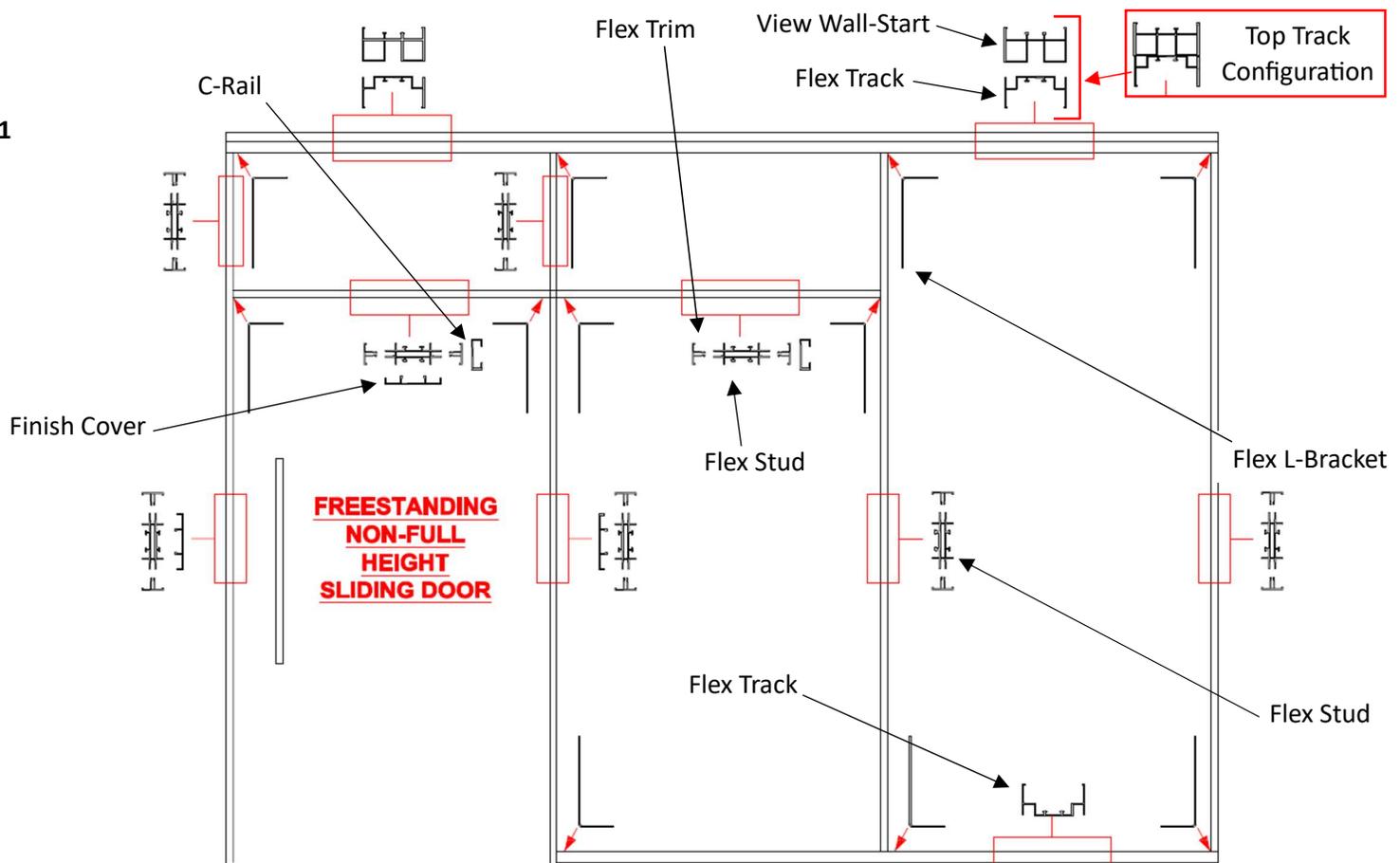
General Notes for Installation:

1. Read through all instructions to fully understand the Nxtwall Installation process.
2. Note the names of the framing components listed for this installation scenario.
3. Layout the location of the partitions. Mark the floor, ceiling, and existing walls. Use the overall dimensions on the drawing as a reference.
   a. Note: Nxtwall is a field fit system, if needed the dimensions can be slightly changed on site.

Fig. 2

Overall Height Measured to the Top Edge of the Wall-Start

**Fig. 3**

Overall Height as Shown on Drawing

Notes for Freestanding Applications:

1. For freestanding applications View Wall-Starts are sent to be laminated to the Flex Track at the top of the wall. The purpose of the Wall-Start is to add rigidity to the wall system.
   a. Note: For the Flex Series the Wall-Start is only used horizontally at the top of the wall, it is **NOT** used vertically.
2. The overall height listed on the drawing is from the floor to the top edge of the View Wall-Start laminated to the Flex Track at the top of the wall. Fig. 2.
   a. Note: The elevation drawing does not show the Flex Track laminated to the Wall-Start.
   b. Example: The overall height on the drawing shows 8'. The overall height is 8' from the floor to the top edge of the View Wall-Start. Fig 3.

For more information on freestanding installations please reference "Freestanding Installation Notes" guide.

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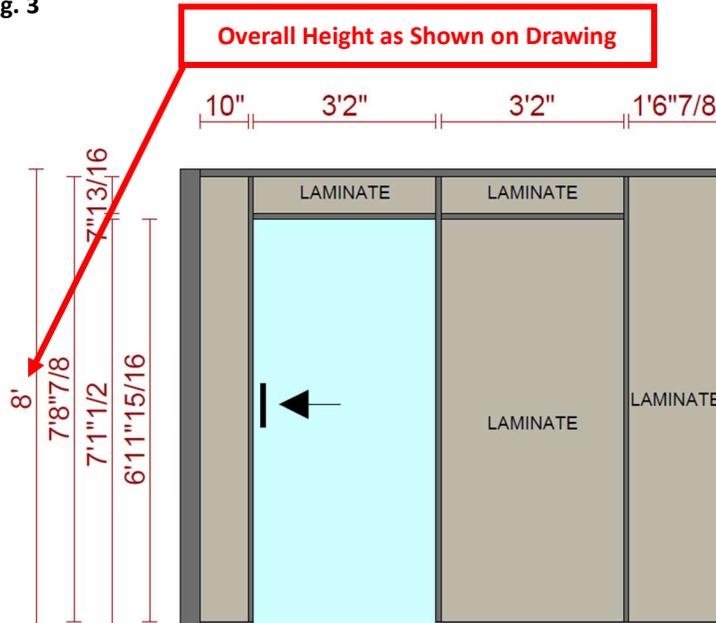
Top Track Configuration Construction

Reference this page during the installation procedure.

The "Top Track Configuration" is a combination of the Flex Track laminated to the View Wall-Start at the top of the wall. This combination provides additional rigidity for freestanding applications.

1. Measure and Cut the Flex Track and View Wall-Start to the same length.
   a. Note: Measurement will be dependent on the situation. Measurement will be existing wall to existing wall, existing wall to Flex Post, or Flex Post to Flex Post.
   b. If there is a Flex Post(s) the "Top Track Configuration" will butt into the Flex Post. The top edge of the Wall-Start will be flush with the top edge of the Flex Post. Reference "Flex Series Freestanding Flex Post Installation" guide for more detail.
2. Slide Flex L-Brackets into the Flex Track.
   a. Note: Install one Flex L-Bracket per vertical Flex Stud.
3. Attach the Flex Track to the View Wall-Start using 4" attaching screws. Attach every 4' – 6'. Fig. 3 and Fig. 4.
   a. Make sure the edges of the Flex Track and Wall-Start are flush with each other.
   b. Use quick clamps to help keep the materials together when attaching.
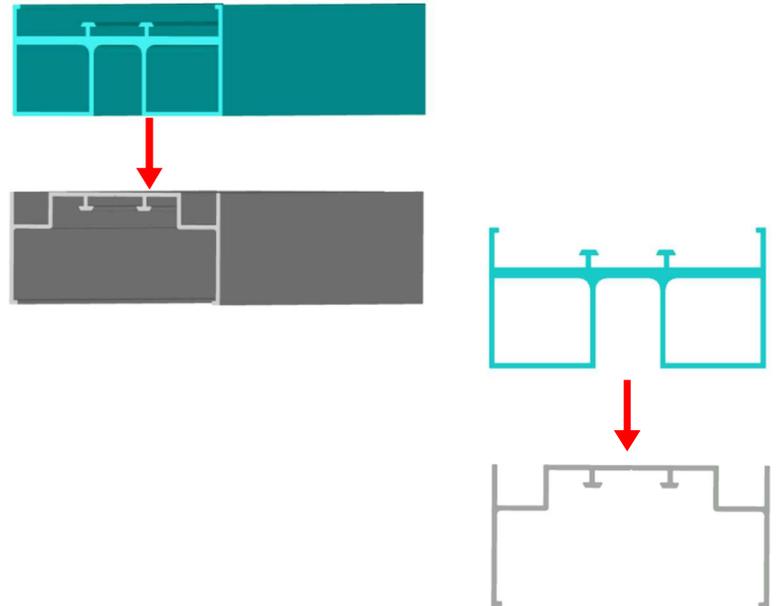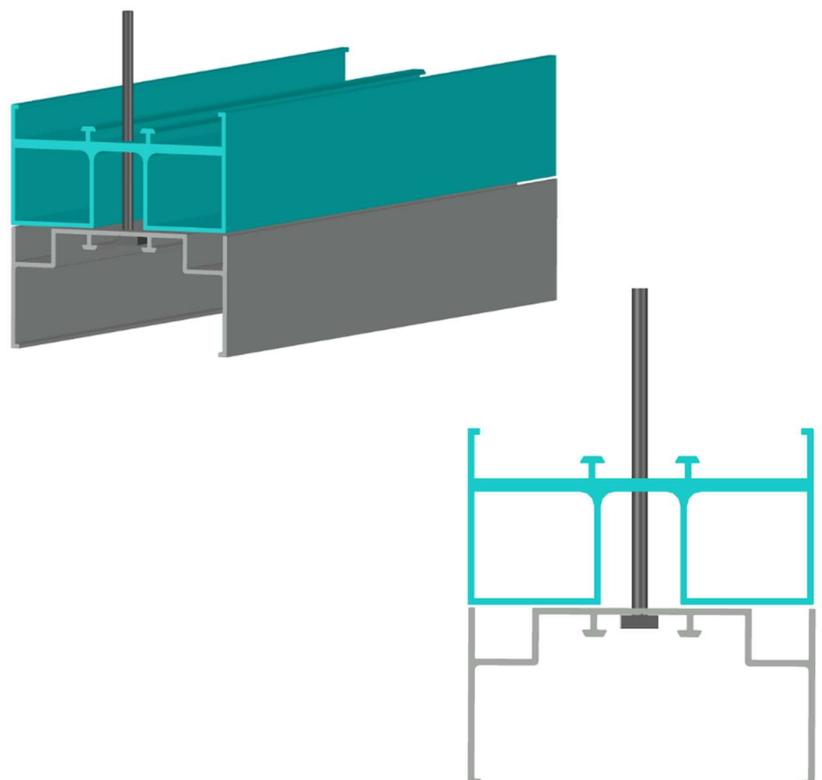   c. Note: The excess attaching screws can be cut off once framing has been completed.

Fig. 3

Fig. 4

Installation Procedure:

1. Measure and construct the "Top Track Configuration". Reference page 3 for details.
2. Slide Flex L-Bracket(s) into the Flex Track within the Top Track Configuration. Fig. 5.
   a. Note: Install one Flex L-Bracket per vertical Flex Stud.
3. Measure and Cut Flex Stud(s) attaching to the existing wall. Fig. 6.
   a. Freestanding Door Opening Flex Stud Length:
      i. **Floor to Top of Wall – 2 ¼"**
   b. Freestanding Non-Door Opening Flex Stud Measurement:
      i. **Floor to Top of Wall – 3"**
   c. Once in place the Flex Studs will provide mounting points for the Top Track Configuration.
   d. Note: If there is a Flex Post(s) the Flex Post will need to be in place to receive the Top Track Configuration.
4. Install Flex Studs.
   a. The Flex Stud on the door opening side will go directly to the floor.
   b. The Flex Stud on the non-door opening side will need to be 3/4" off the floor. This will allow the Flex Track to slide under the stud. Fig. 7.
   c. If attaching to an existing wall make sure the Flex Studs are plumb, especially if there is a door opening coming off the wall.
   d. If the wall is coming off a Flex Post the Flex Post will need to be pre-built with the Flex Studs prior to installing the Top Track Configuration.
5. Place Top Track Configuration on top of the Flex Studs.
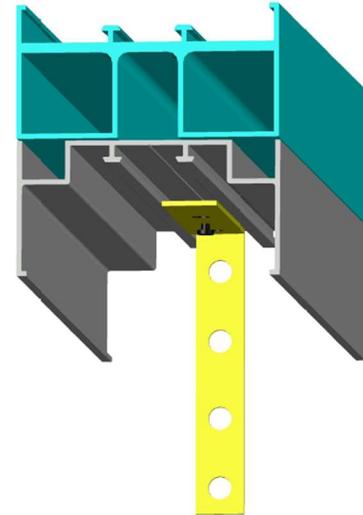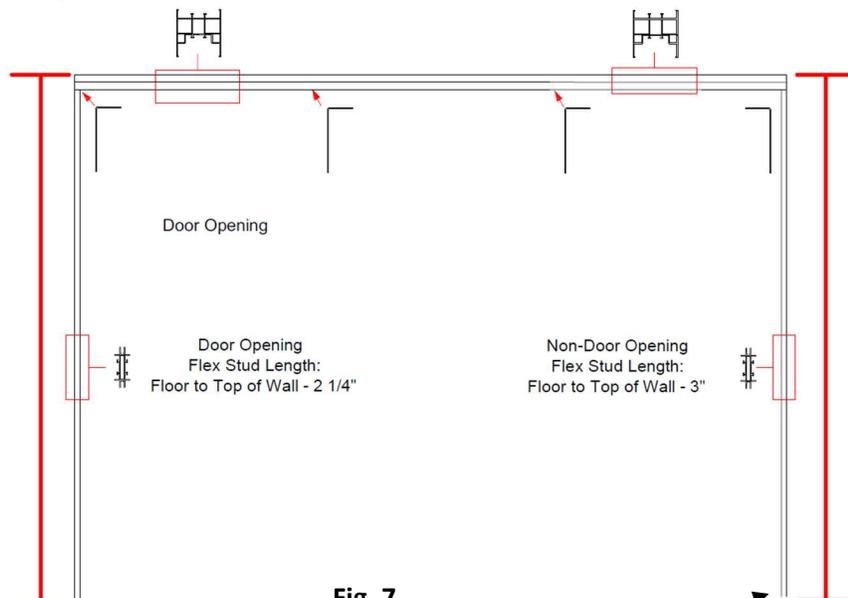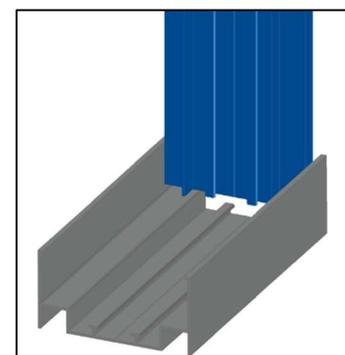
Fig. 5

Fig. 6

Door Opening

Door Opening
Flex Stud Length:
Floor to Top of Wall - 2 1/4"

Non-Door Opening
Flex Stud Length:
Floor to Top of Wall - 3"

Fig. 7

6. Slide L-Brackets into the center of the
    Flex Stud. Adjust the Top Track
    Configuration to match the overall
    height listed on the drawing. Attach the
    L-Bracket to the Flex Stud using 2 - 3/4"
    framing screws. Fig. 8

    a. Note: At the door location make sure to
        match the overall height listed on the
        drawing.

7. Level the Top Track Configuration. Once
    level, attach the L-Bracket to the Flex
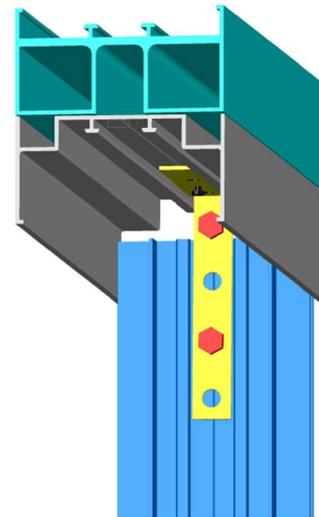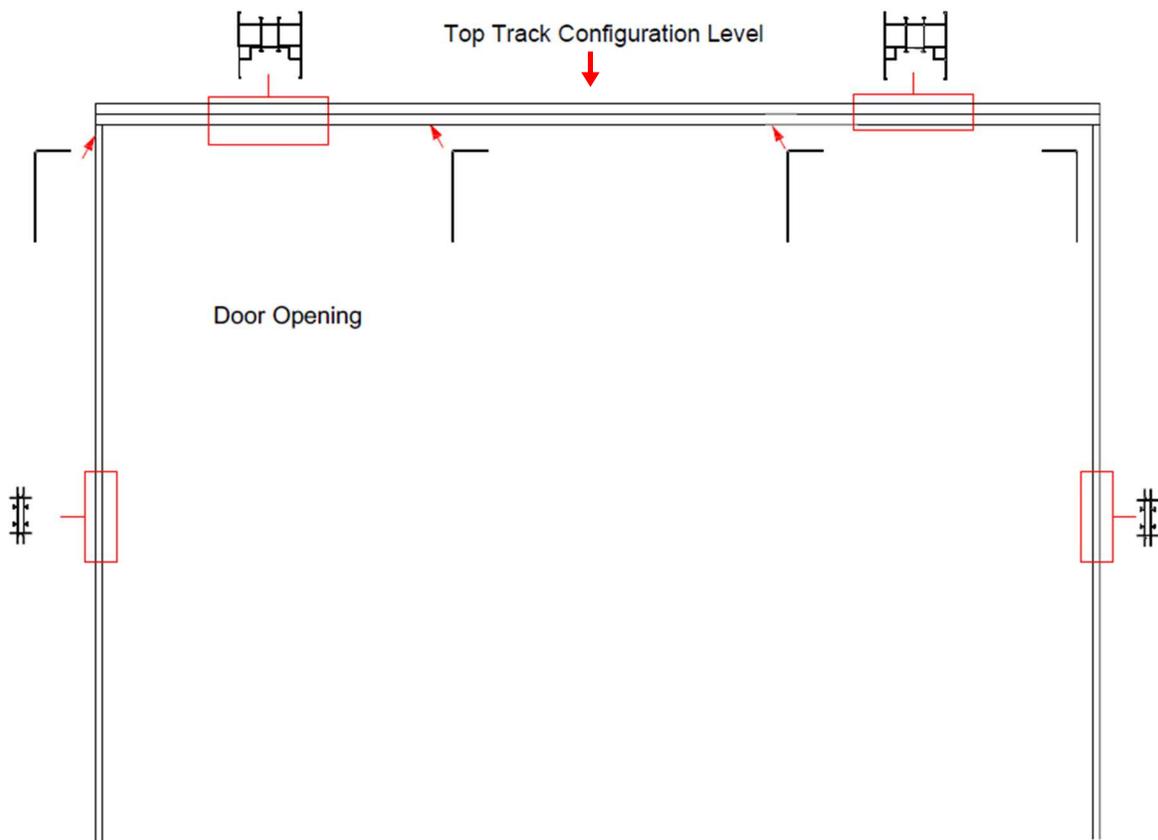   Stud on the opposite side of the
    opening. Fig. 9.

Fig. 8

Fig. 9

Top Track Configuration Level

Door Opening

8. Measure for Vertical Flex Stud(s) within the door opening. Fig. 10.
    a. Door Opening Flex Stud Length:
        i. **Floor to Top of Wall – 2 ¼"**
9. Install door opening Flex Studs.
    a. The top of the Flex Stud will be inside the Flex Track at the top of the wall and run directly to the floor.
10. Slide Flex L-Bracket into the Flex Stud. Attach L-Bracket to the Flex Stud using the provided 3/4" Framing Screws. Fig. 11
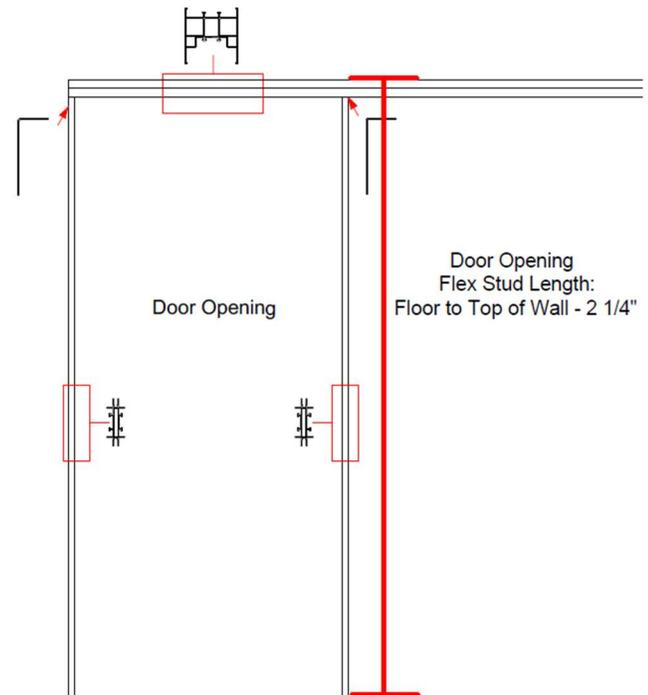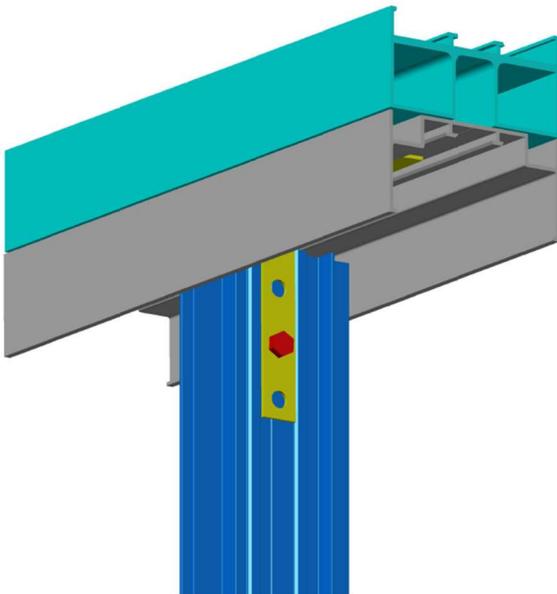   a. Use 2 attaching screws per L-Bracket.

Fig. 10

Door Opening

Door Opening
Flex Stud Length:
Floor to Top of Wall - 2 1/4"

Fig. 11

11. Set door opening spacing.
    a. Door opening measurement 3' 2" (38") Measuring points shown in Fig. 12.
    b. Note: Pre-cut a Flex Stud at 3' 2" to properly space the door opening Flex Studs at the floor and the ceiling.
    c. Once spacing is established tighten set screws within the L-Bracket in the track to lock the Flex Stud(s) in place.

12. With the door opening set measure and cut Flex Track attaching to the floor.
    a. Length measurement will be from the door opening Flex Stud to the existing wall/Flex Post. Fig. 13
    b. **Note:** The Flex Track will butt into the Flex Stud within the door opening. Fig. 14
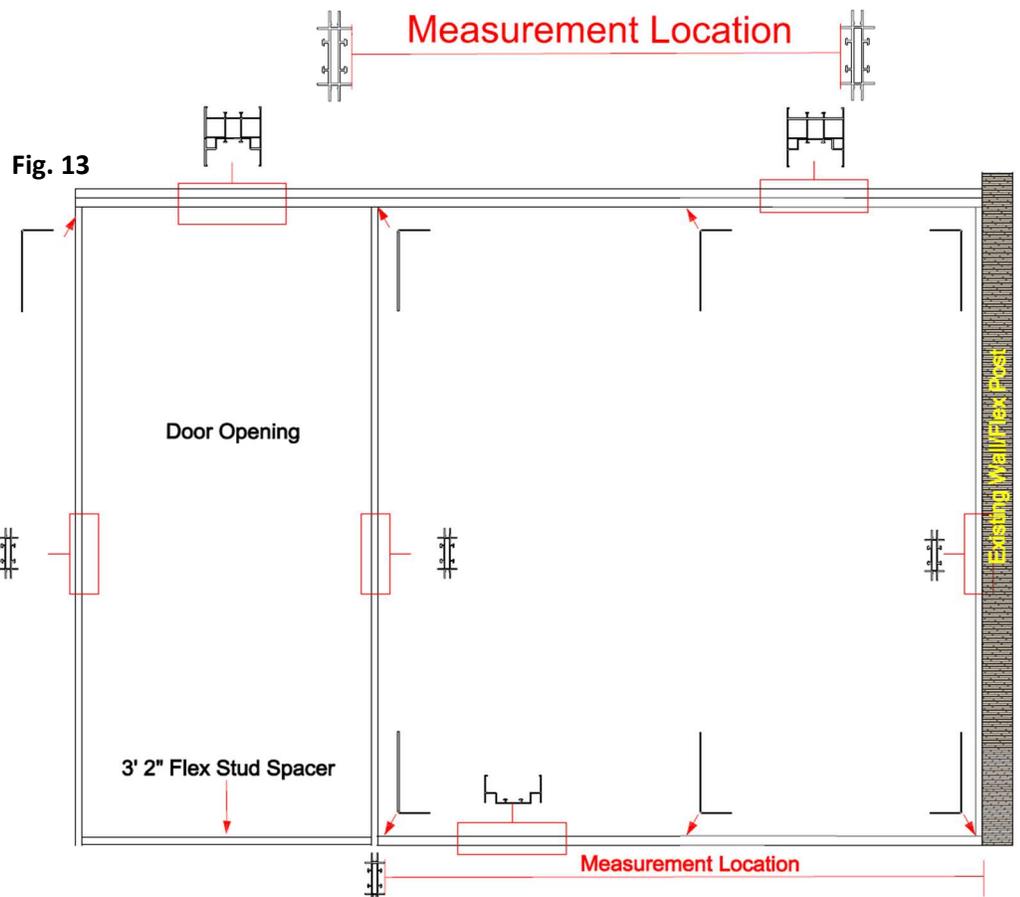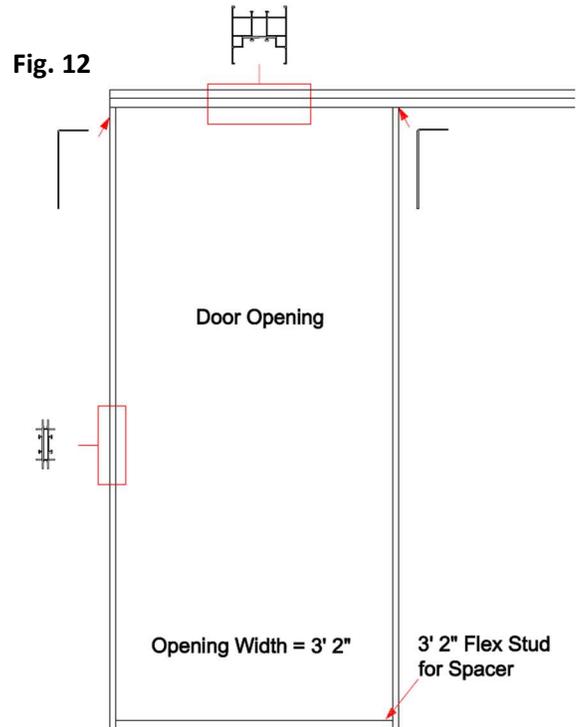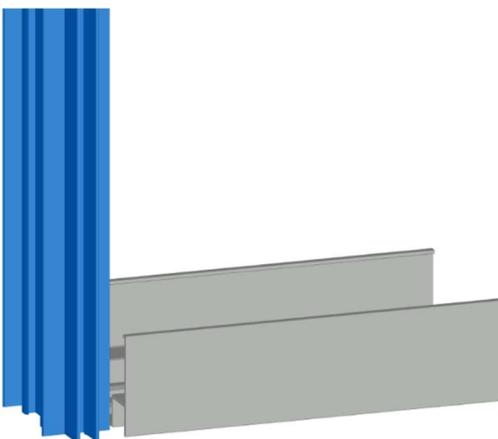   c. Leave Flex Stud Spacer in place to ensure proper door opening spacing.

Fig. 12

Door Opening

Opening Width = 3' 2"

3' 2" Flex Stud for Spacer

Measurement Location

Fig. 13

Fig. 14

Door Opening

3' 2" Flex Stud Spacer

Existing Wall/Flex Post

Measurement Location

13. Slide Flex L-Bracket(s) into the Flex Track. Fig. 15.
    a. Note: Install one Flex L-Bracket per vertical Flex Stud.
14. Slide Flex L-Bracket into Flex Stud within the door opening. Attach L-Bracket using 2 – 3/4" framing screws. Tighten the set screw.
15. Attach Flex Track to the floor.
    a. Install attaching screws every 4'- 6'.
    b. For the L-Bracket attached to the door opening Flex Stud run an anchoring screw through one of the open holes in the L-Bracket. This helps provide strength for the door opening. Fig. 16.
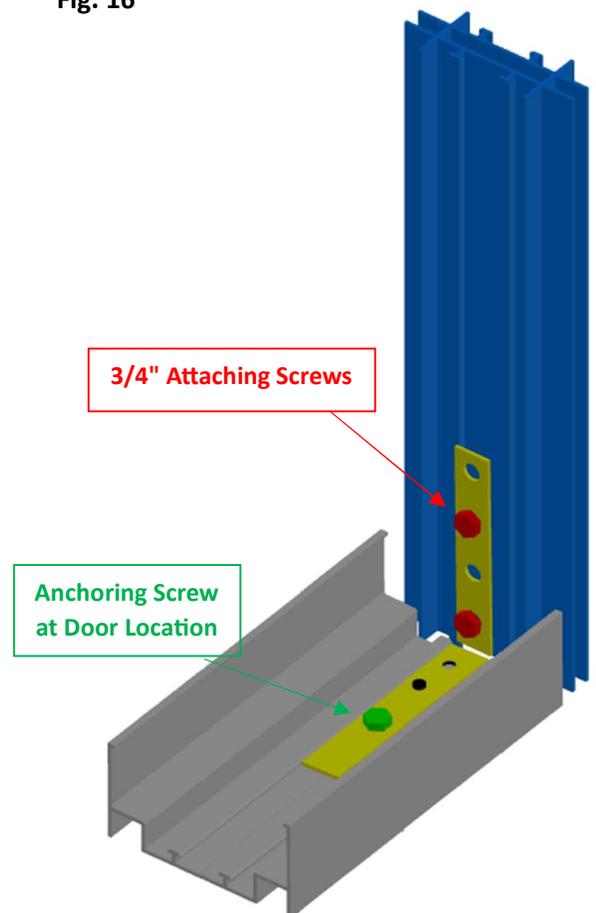
Fig. 15

Fig. 16

3/4" Attaching Screws
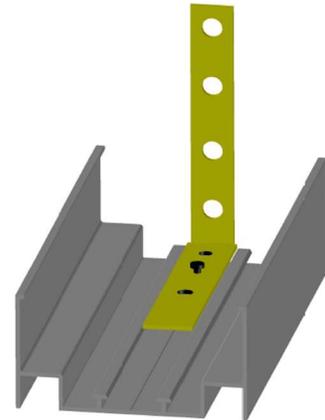
Anchoring Screw at Door Location

16. Measure for non-door opening Vertical Flex Studs. Fig. 17.
    a. Flex Stud Measurement: Floor to Ceiling – 3"
17. Install Flex Studs into the floor and ceiling Flex Track.
    a. Allow air gap between the Flex Stud and Flex Track. This will give the ability to move the Flex Stud when setting the spacing between studs. Fig. 18.
18. Slide L-Brackets in the floor and ceiling Flex Track into the Flex Studs. Attach using 2 – 3/4" Framing Screws. Fig. 19.
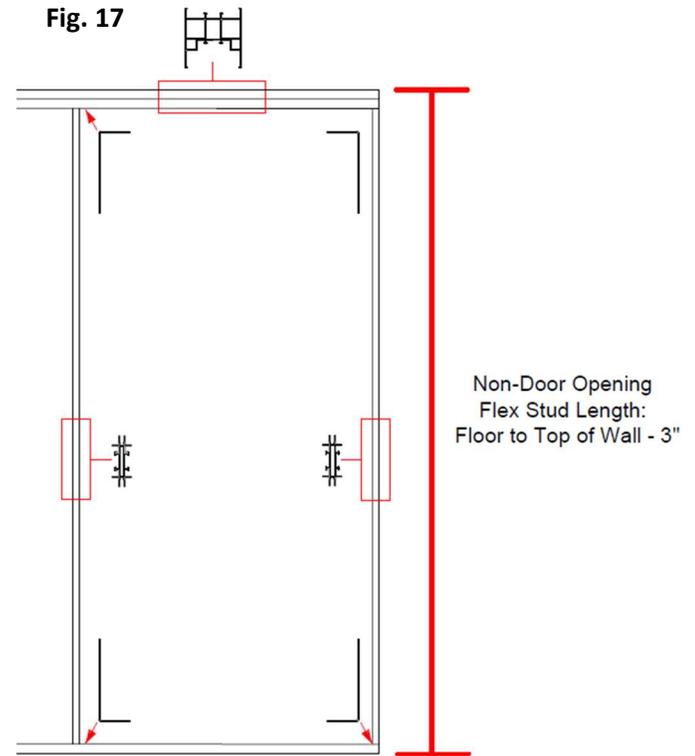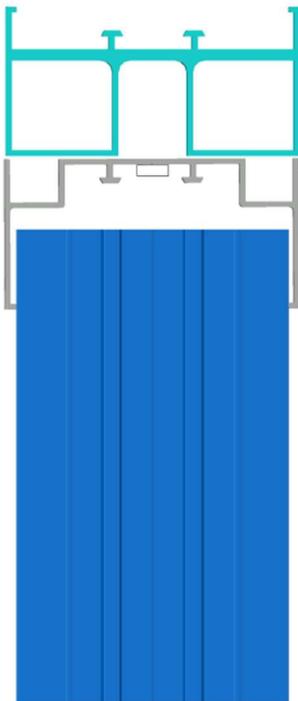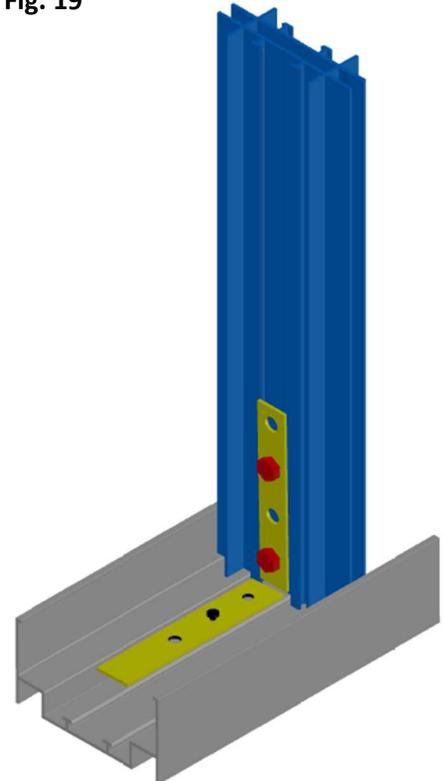
Fig. 17

Non-Door Opening
Flex Stud Length:
Floor to Top of Wall - 3"

Fig. 18

Fig. 19

Door Opening Framing

19. For Non-Full Height Sliding Doors Flex Studs will be used horizontally for entirety of the sliding door opening. Fig. 20.
20. Cut Flex Studs to fit in between the vertical Flex Studs.
    a. Use the 3' 2" Flex Stud used as a spacer for the walkthrough section of the sliding door opening.
    b. The stud length for fixed panel next to the walkthrough opening will be dependent on the layout of the project.
21. Slide Flex L-Brackets into each Flex Stud.
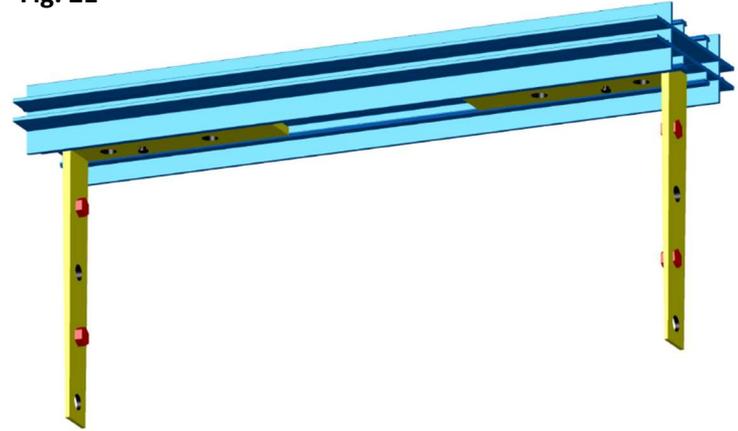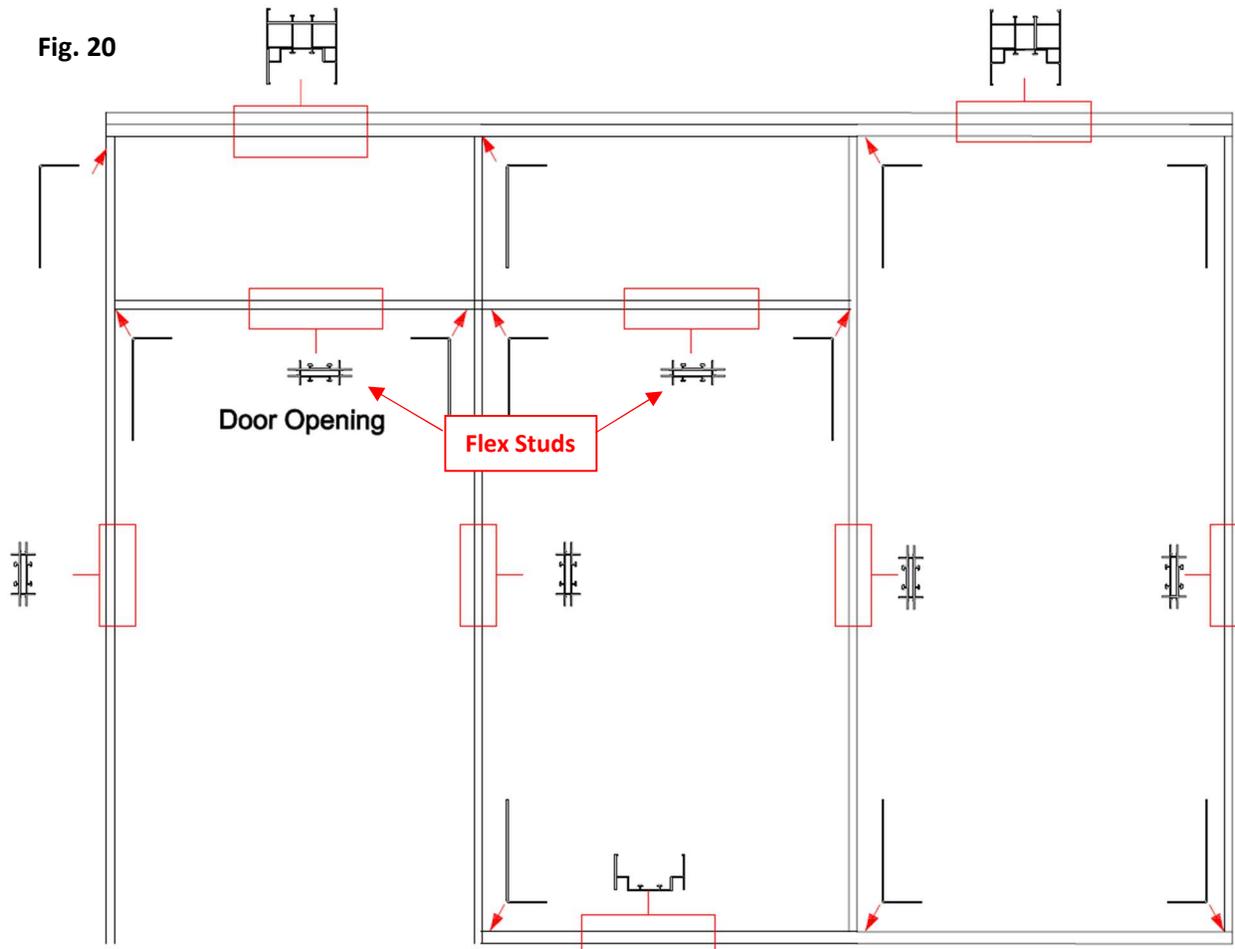   a. Use two L-Brackets per stud. Fig. 21.

Fig. 21

Fig. 20

Door Opening

Flex Studs

22. To determine the height to set the horizontal Flex Studs review the drawing. The height shown is from the floor to the bottom edge of the Flex Stud. Fig. 22A/B.
    a. It is important to match the height shown for any type of pre-ordered door (i.e. wood door or aluminum framed door). If the floor is unlevel within the door opening make sure to base the height on the highest point of the floor.
    b. If the door is being ordered after the framing is complete it is not as important to match the height shown (i.e. glass door).

23. With the height determined attach one side of the horizontal Flex Stud to the vertical Flex Stud. Fig. 23.

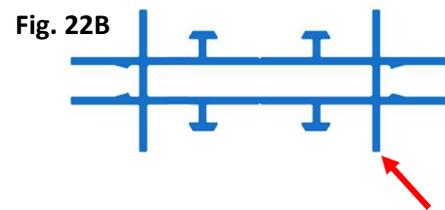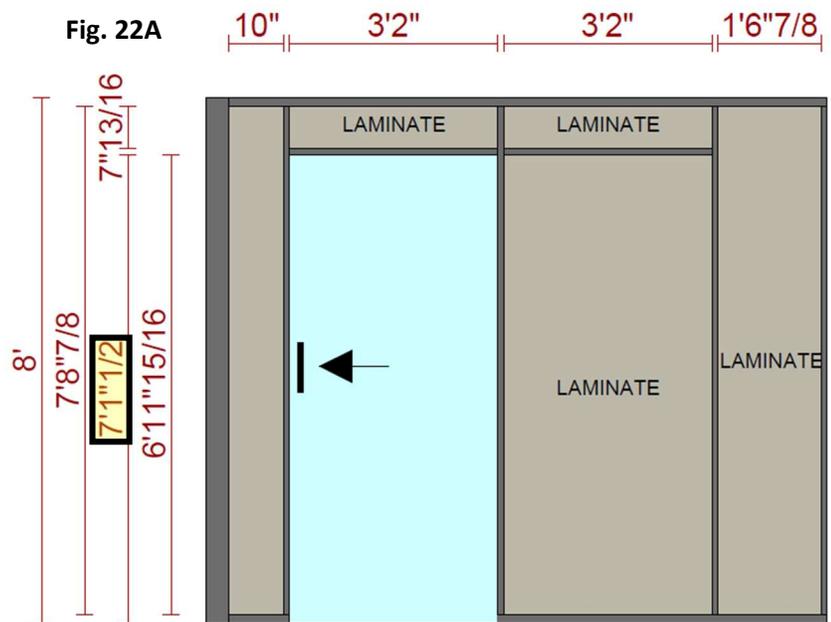24. Level the horizontal Flex Stud and attach L-Bracket to the vertical Flex Stud. Fig. 24.
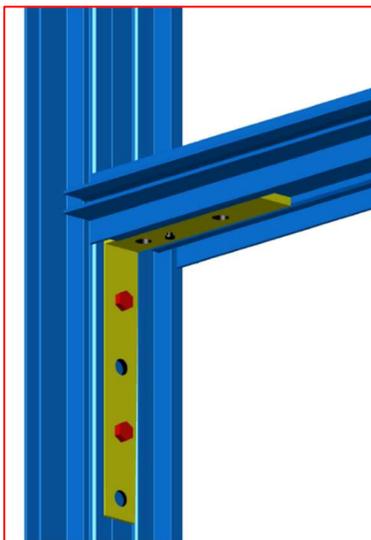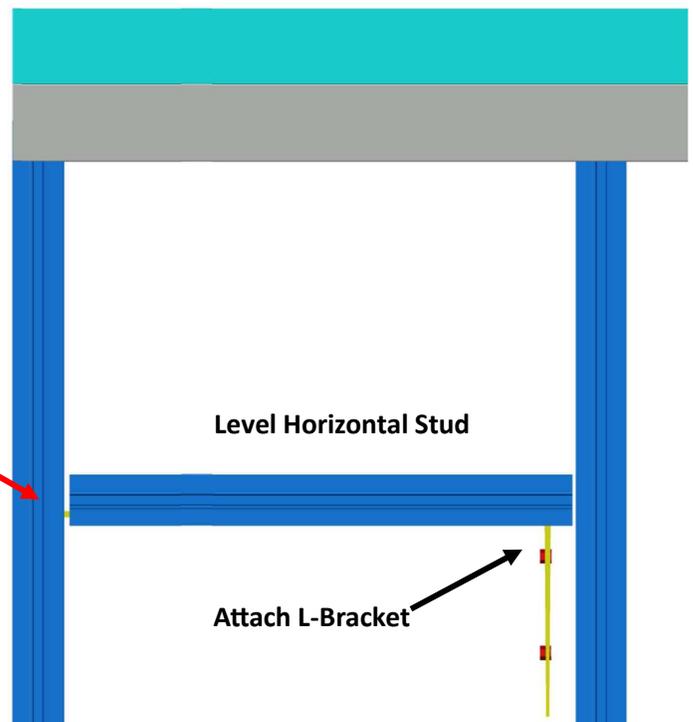
Fig. 22A

Fig. 22B

Fig. 23

Fig. 24

Level Horizontal Stud

Attach L-Bracket

25. Install horizontal Flex Stud within the fixed panel section of the door opening. Fig. 25.
    a. Make sure the horizontal stud is inline with the stud within the door opening.
    b. Note: Use the attaching screws coming through the stud as an alignment guide for the L-Bracket.
    c. Attach L-Bracket to the vertical Flex Stud on one side.
26. Level the Flex Stud and attach L-Bracket to the vertical Flex Stud.
27. **Important:** Make sure the horizontal Flex Studs within the entirety of the door opening are perfectly level. The C-Rail for the sliding door will be attached directly to the horizontal studs. Proper door function is dependent on the studs being level. Fig. 26.
28. With the horizontal studs in place tighten the set screws on the L-Brackets to lock the studs in place.
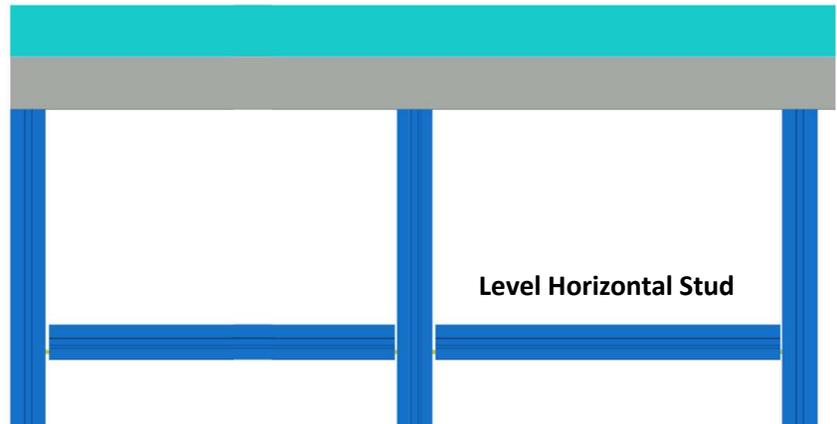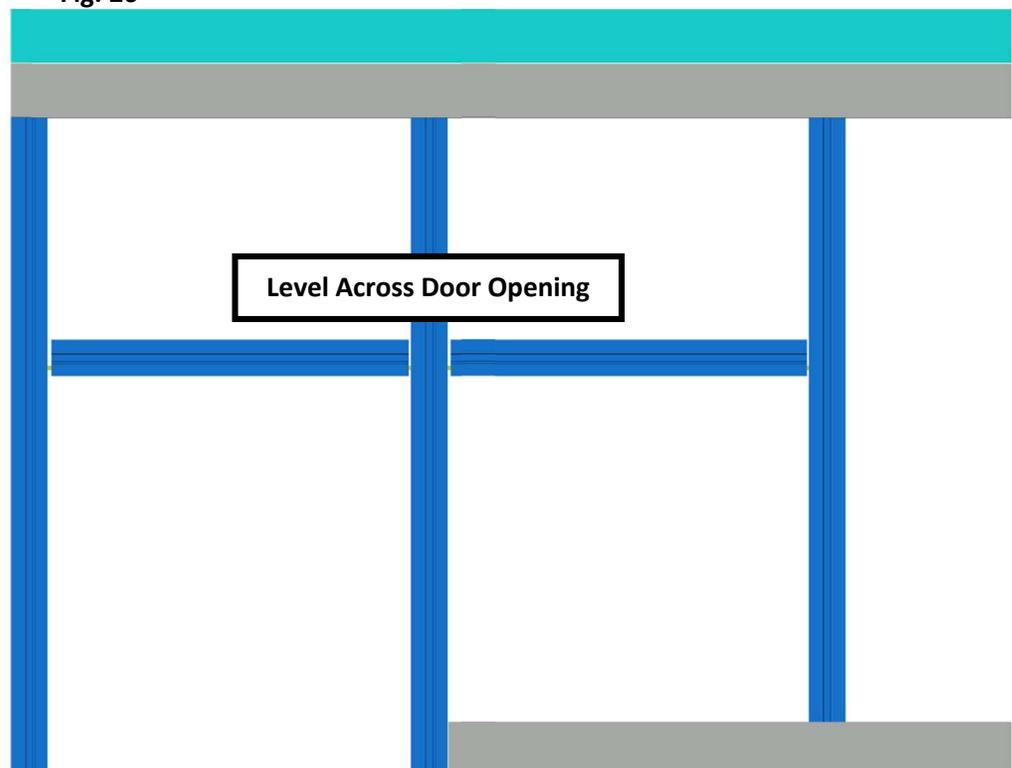
Fig. 25

Level Horizontal Stud

Fig. 26

Level Across Door Opening

C-Rail Installation

29. Prior to installing the C-Rail all fixed panels must be installed (glass and/or solid panels) along with the trim. Fig. 27.

30. The C-Rails are pre-cut and pre-drilled for standard width doors. Fig. 28.
    a. The C-Rails are 75 ¾" in length.
    b. Four counter sunk holes for the C-Rail screws.
    c. Hole on each end for door stops.
    d. Two sets of holes on top of the C-Rail. These holes are for the soft close triggers, the holes are drilled whether there are soft close units or not. These holes indicate the top of the C-Rail.
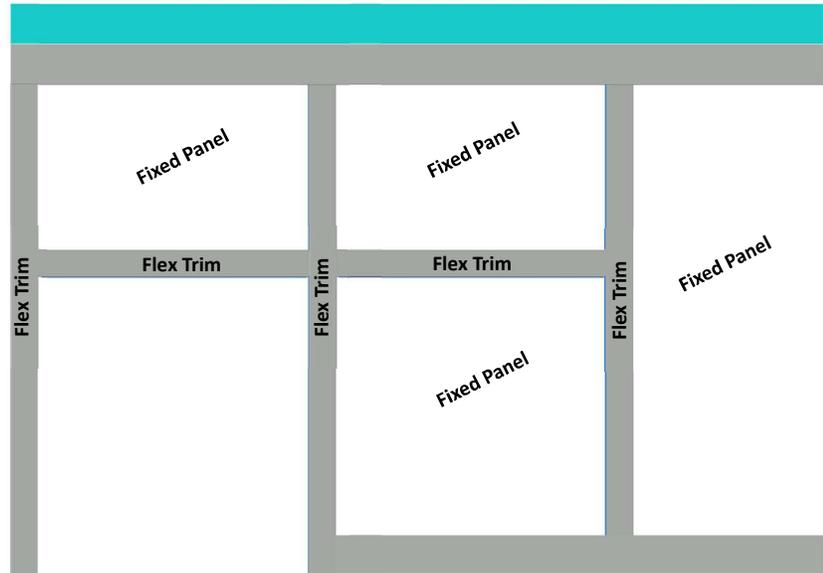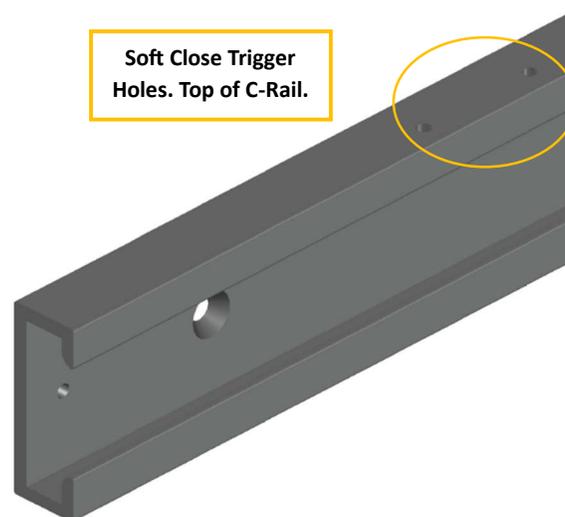   e. Custom length C-Rail(s) are to be prepped on site.

Fig. 27

Fig. 28

Door Stop Hole

Counter Sunk Holes for Attaching Screws

Door Stop Hole

Soft Close Trigger Holes. Top of C-Rail.

13

Fig. 29A

31. Place C-Rail onto the horizontal Flex Trim.
    a. The C-Rail will overlap the Flex Trim on closed side of the opening. The edge of the C-Rail will be flush with the edge of the Flex Trim. Fig. 29 A/B.
    b. The bottom edge of the C-Rail will be flush with the bottom edge of the horizontal Flex Trim. Fig. 30 A/B.
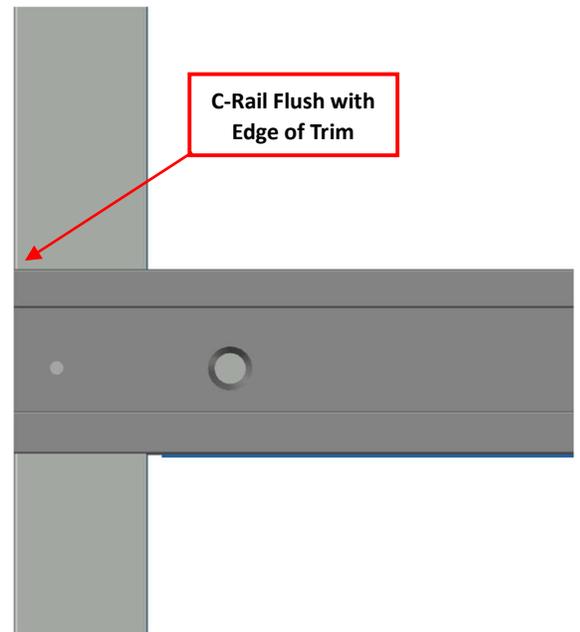
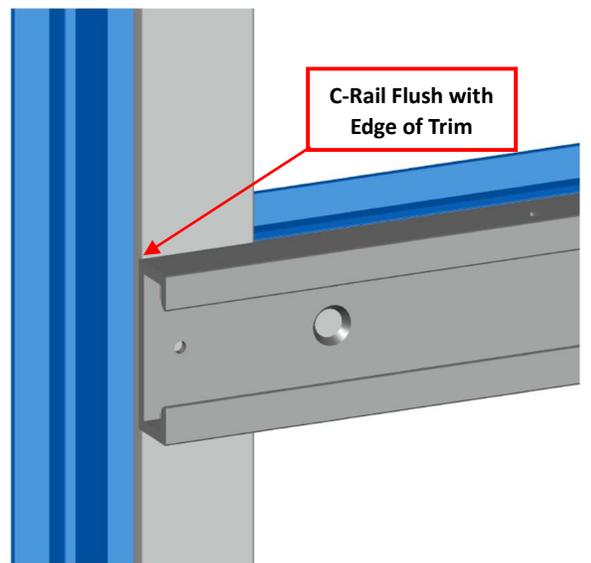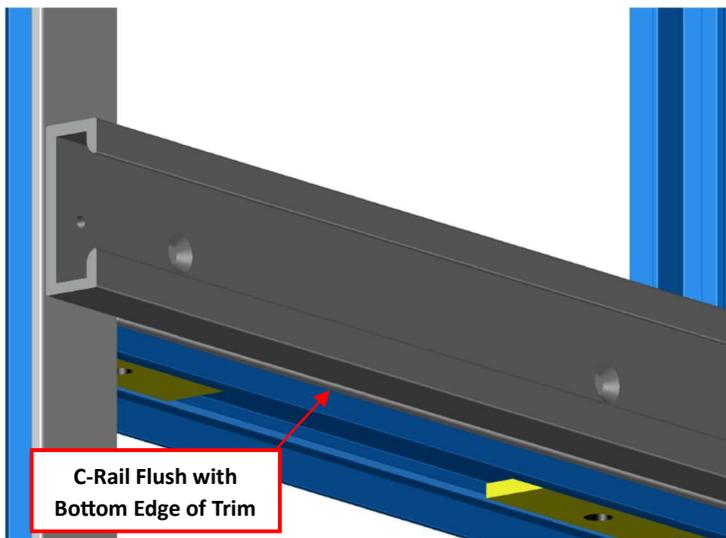**C-Rail Flush with Edge of Trim**

Fig. 30A

C-Rail Flush with Bottom Edge of Trim

Fig. 29B

C-Rail Flush with Edge of Trim

Fig. 30B

C-Rail Flush with Bottom Edge of Trim
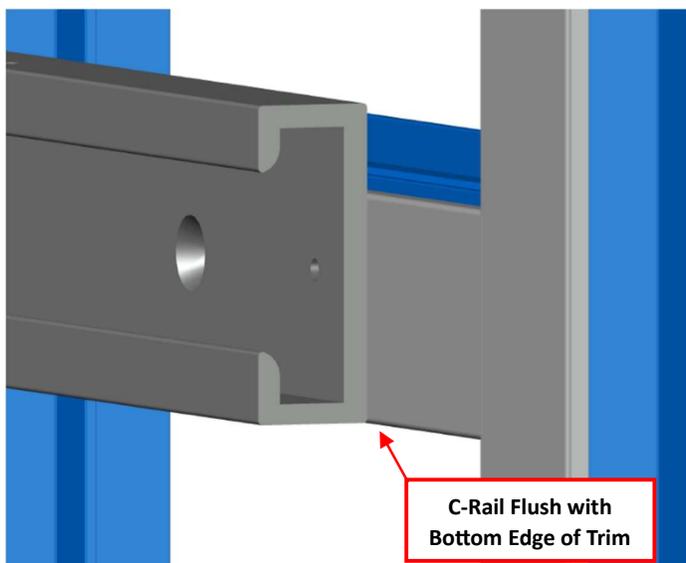
32. With the C-Rail positioned correctly use clamps to hold the C-Rail in position. Make sure the C-Rail is level. Fig. 31.
33. Pre-Drill holes through the center of the counter sunk holes with a 5/32" drill bit for the attaching screws.
34. Attach C-Rail to the framing using the supplied 1 ½" Taper Headed C-Rail Screws.
35. C-Rail Installation complete.
    a. Once the door is installed the doorstops can be installed.

Fig. 31

C-Rail Level Across Door Opening
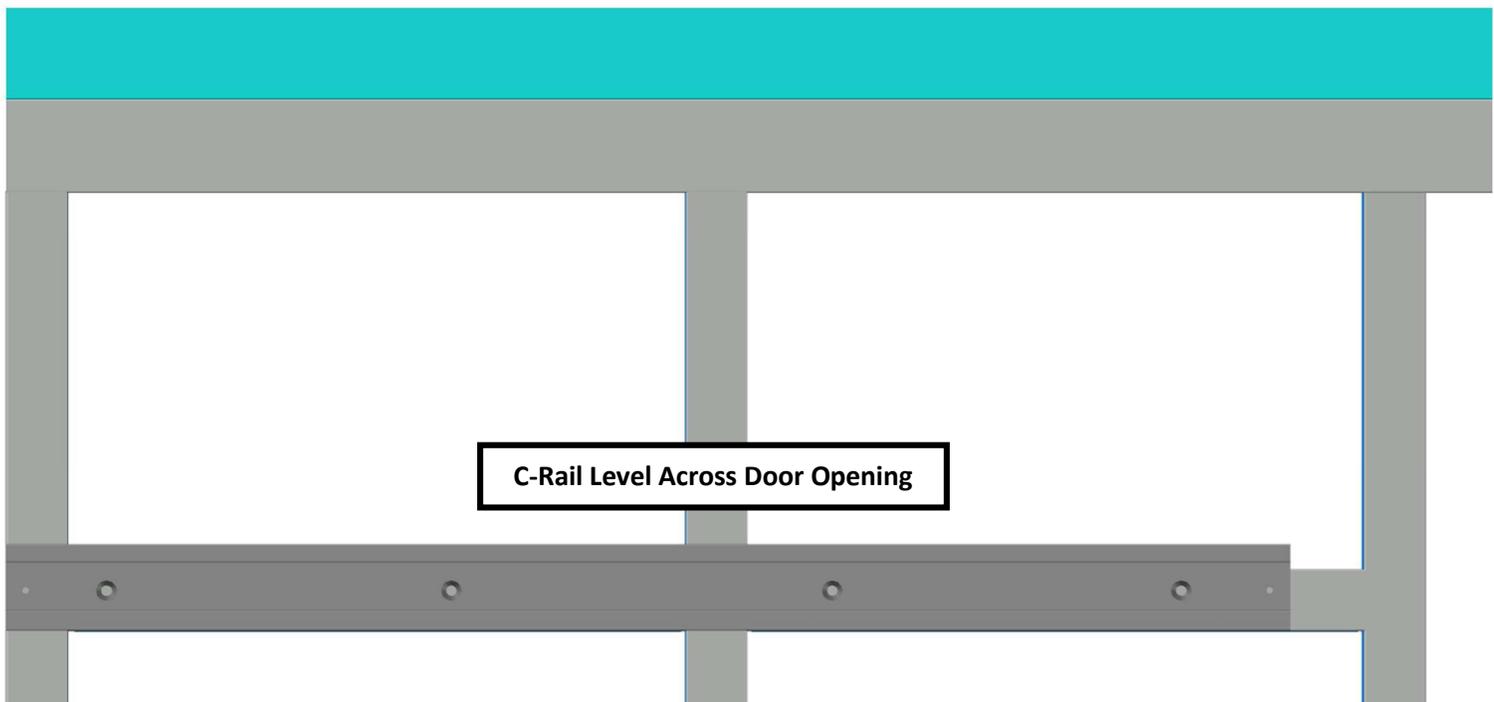
Finish Cover Installation

36. Finish Covers will be used to cover the Flex Studs within the walkthrough section of the door opening. The Finish Cover will snap directly onto the Flex Studs.

37. Measure and cut the Finish Cover for the horizontal Flex Stud.
    a. The measurement is from vertical Flex Stud to vertical Flex Stud. There should be a tight fit between the Finish Cover and Studs.

38. Install the Finish Cover
    a. To install the Finish Cover place it onto the center of the Flex Stud. Strike the center of the Finish Cover with a rubber mallet to snap it onto the stud. Fig. 32.

39. Measure for Finish Covers for the vertical Flex Studs.
    a. The measurement is from the floor to the Finish Cover on the horizontal Flex Stud. There needs to be a tight fit between the horizontal and vertical Finish Covers.

40. Install the Finish Covers.
    a. To install the Finish Cover place it onto the center of the Flex Stud. Strike the center of the Finish Cover with a rubber mallet to snap it onto the stud. Fig. 33.
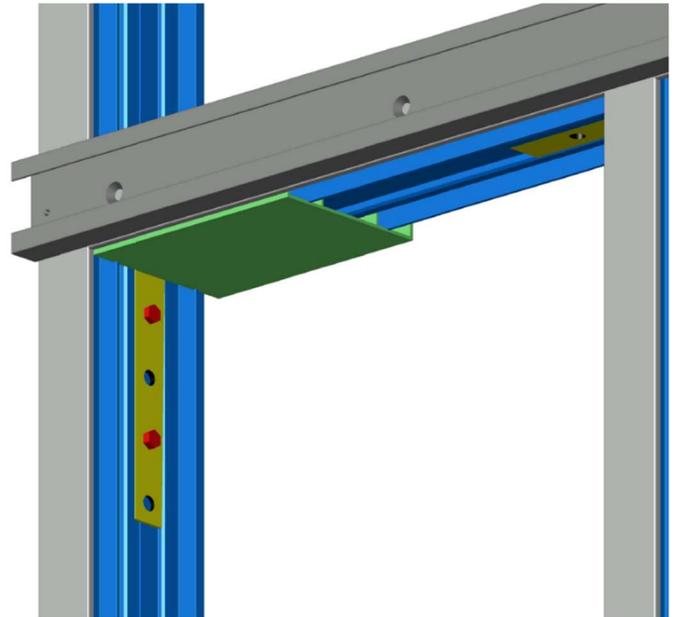
41. Framing complete.

Fig. 32

Fig. 33