Installation Scenario:

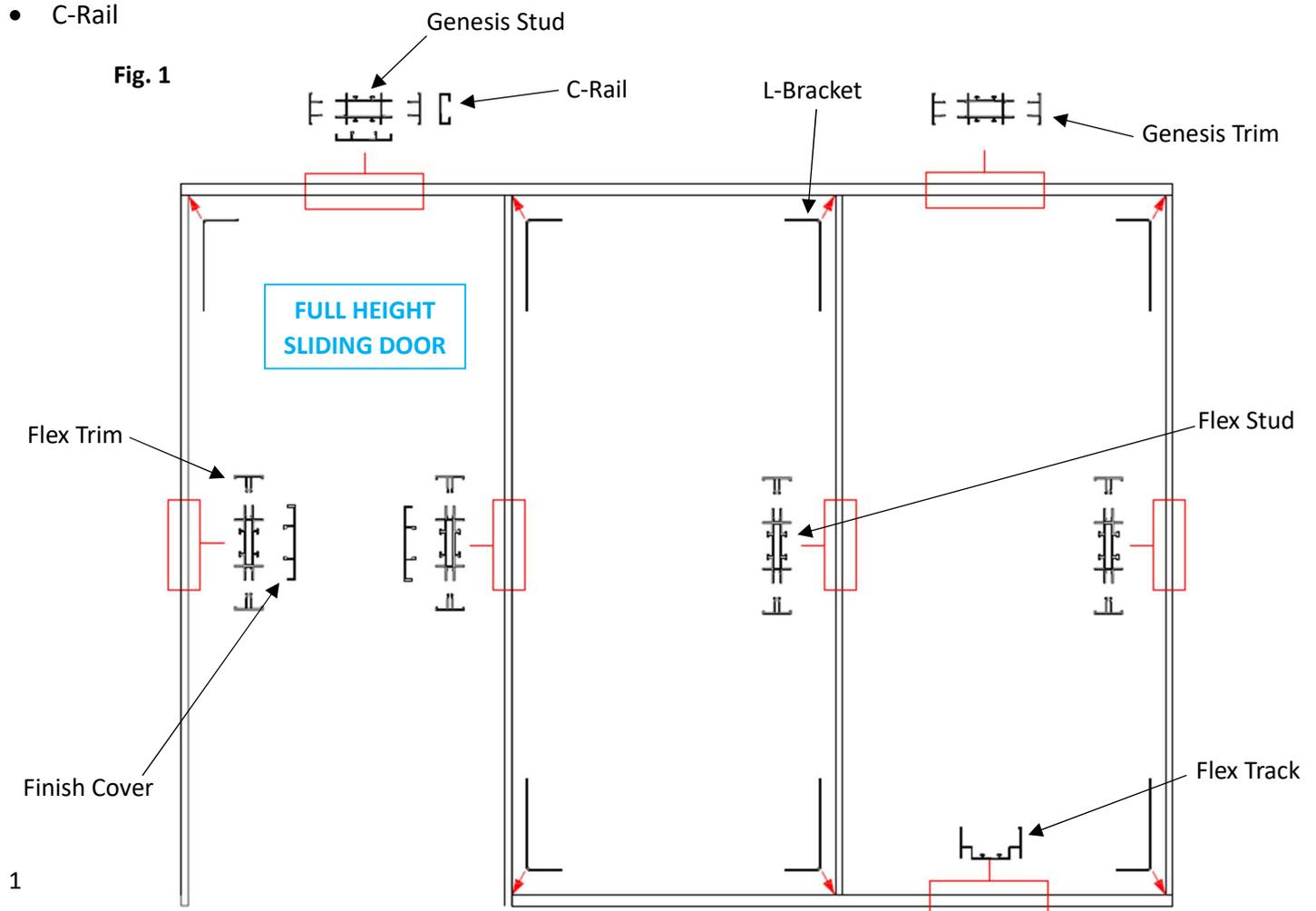Flex Series with Full Height Sliding Door

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

Nxtwall Components Covered by this Instruction:

- Genesis Stud
- Flex Track
- Flex Stud
- Flex L-Brackets
- Flex Trim
- Genesis Trim
- Finish Cover
- 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
  - Note: Nxtwall does not include external attaching hardware.
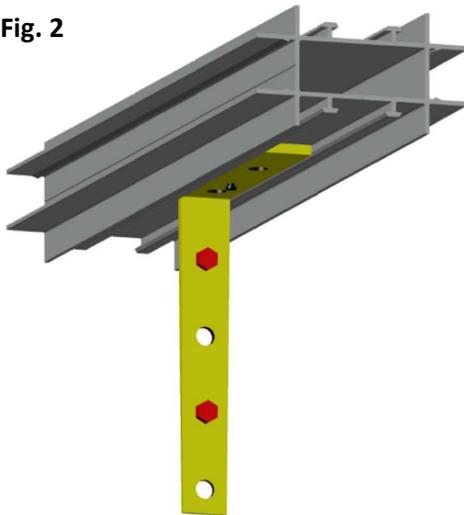
Fig. 1

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.
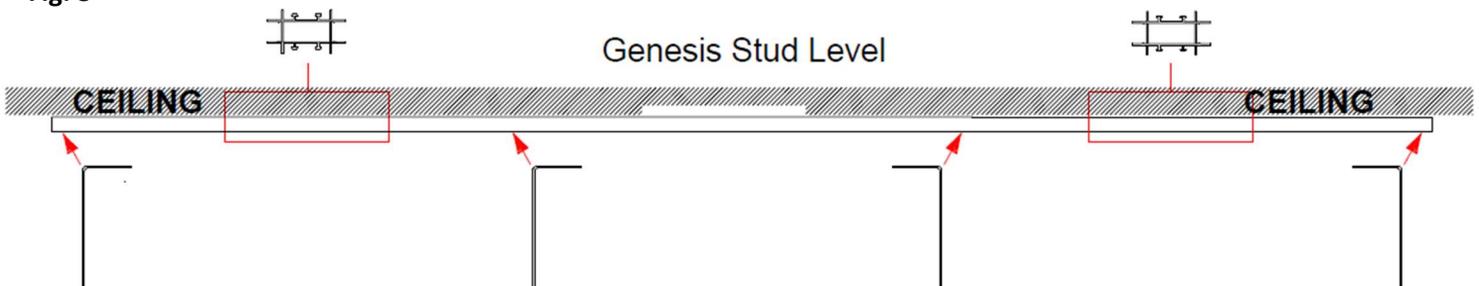   a. Note: Nxtwall is a field fit system, if needed the dimensions can be slightly changed on site.

Fig. 2

Installation Procedure:

1. For Full Height Sliding Door applications a Genesis Stud (thicker profile stud) is attached to the ceiling. The Genesis Stud provides an anchoring point for the sliding door C-Rail.
2. Measure and Cut the Genesis Stud attaching to the ceiling.
   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.
3. Slide Flex L-Bracket(s) into the Genesis Stud. Fig. 2.
   a. Note: Install one Flex L-Bracket per vertical Flex Stud.
4. Attach Genesis Stud to the ceiling. Fig. 3.
   a. **Important:** Make sure the Genesis Stud is level when attached to the ceiling. Proper door function is dependent on the Genesis Stud being level. If needed the Genesis Stud can be shimmed to ensure it is level.
   b. Install attaching screws every 4'- 6'.

Fig. 3

Genesis Stud Level

CEILING   CEILING

5. Measure for Vertical Flex Studs within the door opening. Fig. 4.
   a. Door Opening Flex Stud Length: **(Floor to Ceiling) – 1 5/8"**
6. Install door opening Flex Studs.
   a. The top of the Flex Stud will butt up to the Genesis Stud at the ceiling and run directly to the floor. Fig. 5.
   b. Note: If attaching to existing wall make sure the Flex Stud is plumb.
7. Slide Flex L-Bracket into each Flex Stud. Attach L-Bracket to the Flex Stud using the provided 3/4" Framing Screws. Fig. 6.
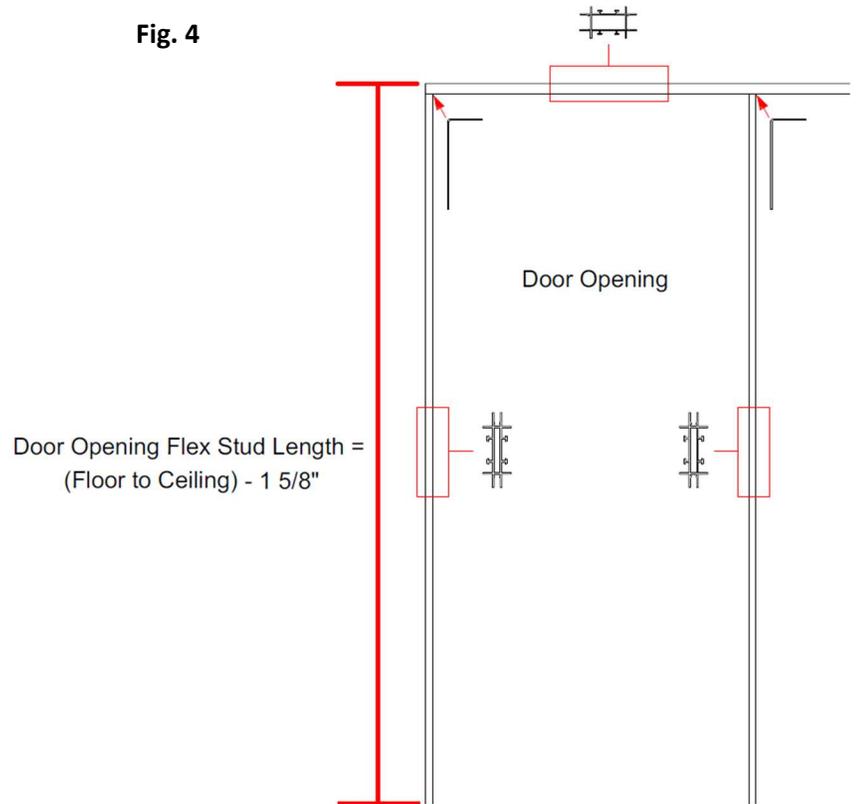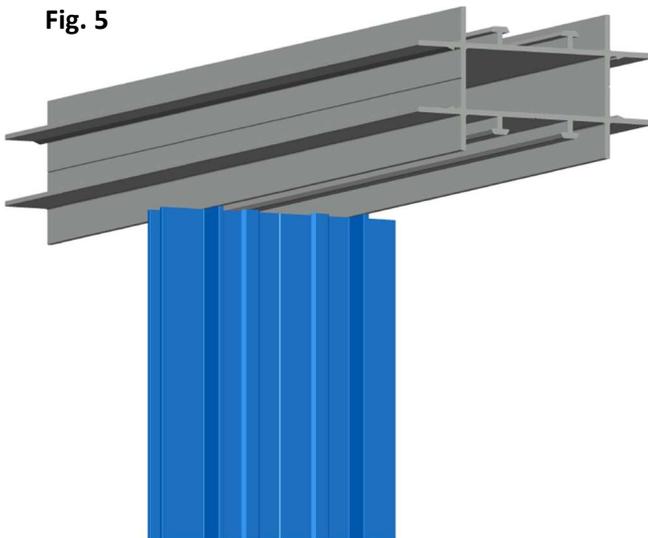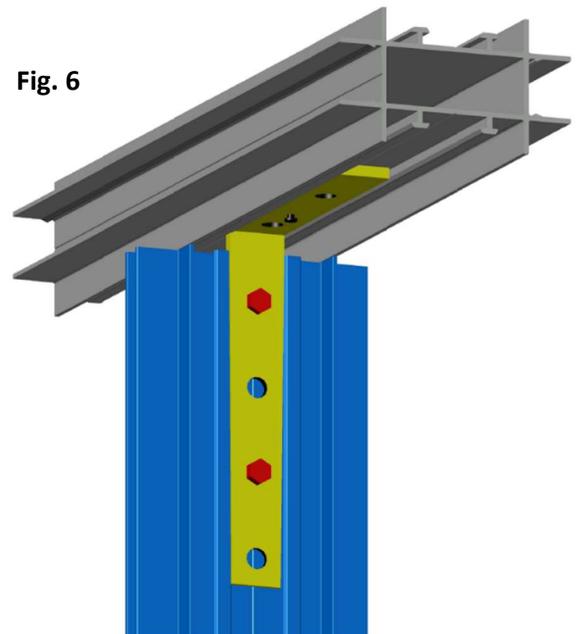   a. Use 2 attaching screws per L-Bracket.

Fig. 4

Door Opening

Door Opening Flex Stud Length =
(Floor to Ceiling) - 1 5/8"

Fig. 5

Fig. 6

8. Set door opening spacing.
    a. Door opening measurement: 3' 2" (38") Measuring points shown in Fig. 7.
    b. Once spacing is established tighten set screws within the L-Bracket in the Genesis Stud to lock the Flex Studs in place.
    c. Note: There are occasions when the door opening is larger than 3' 2", reference the drawing for the opening width.

9. 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. 8
    b. **Note:** The Flex Track will butt into the Flex Stud within the door opening. Fig. 9
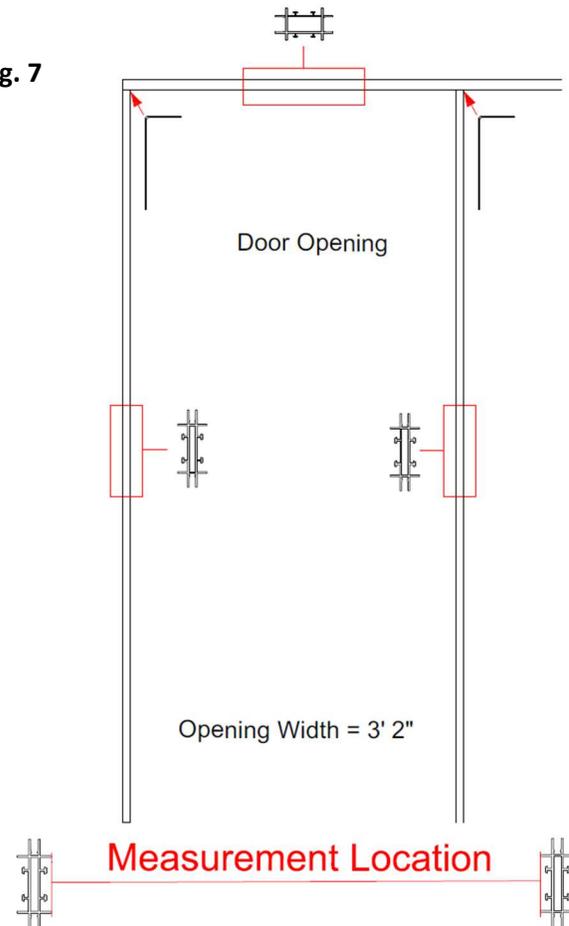
Fig. 7
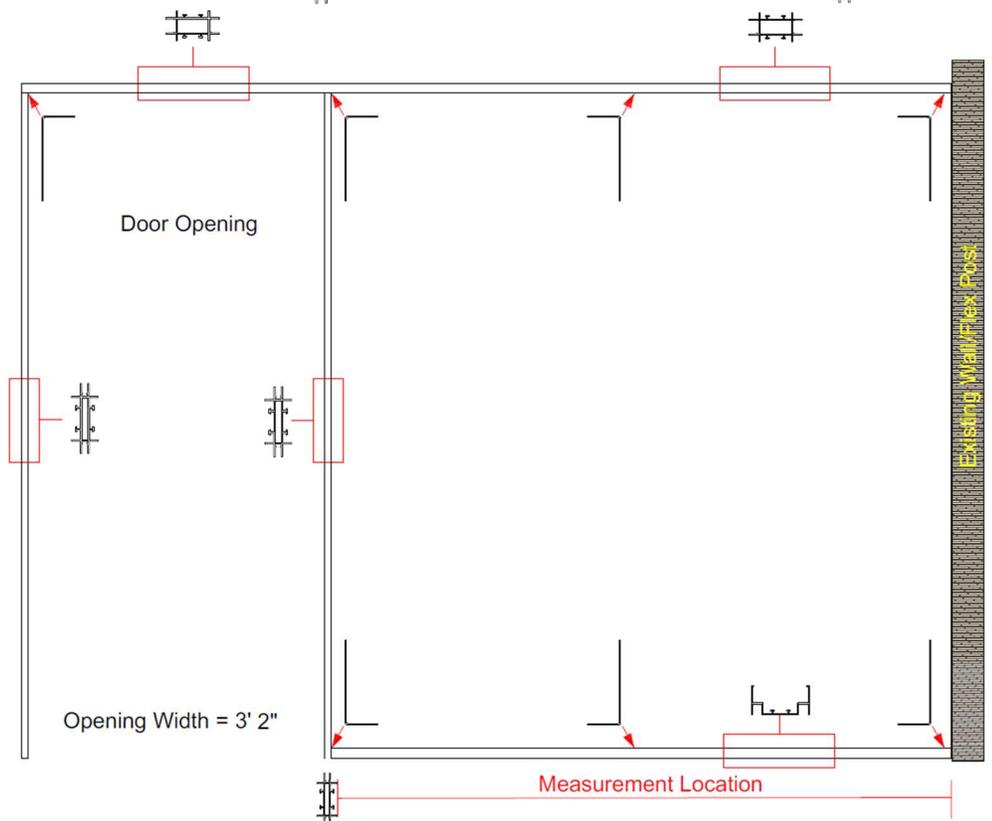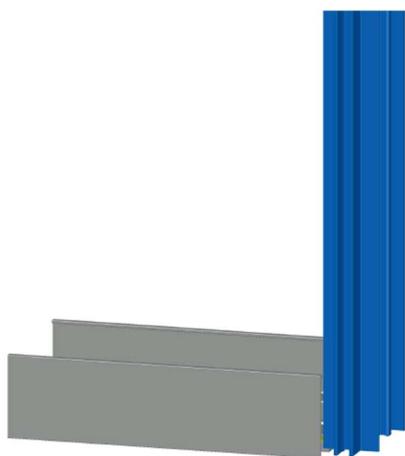
Door Opening

Opening Width = 3' 2"

Measurement Location

Fig. 8

Fig. 9

Door Opening

Opening Width = 3' 2"

Existing Wall/Flex Post

Measurement Location

4

10. Slide Flex L-Bracket(s) into the Flex Track. Fig. 10.
    a. Note: Install one Flex L-Bracket per vertical Flex Stud.
11. Slide Flex L-Bracket into Flex Stud within the door opening. Attach L-Bracket using 2 – 3/4" framing screws. Tighten the set screw.
12. 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. 11.
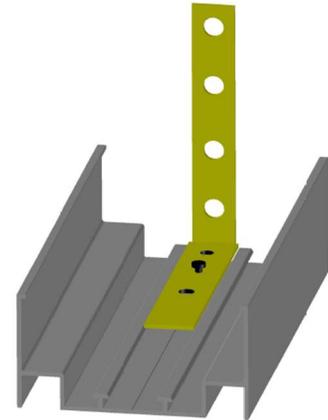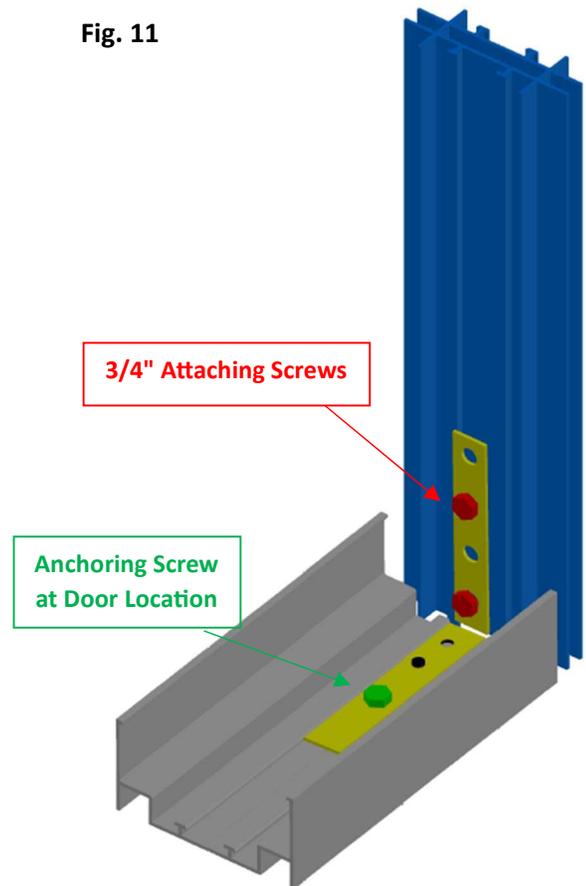
Fig. 10

Fig. 11

3/4" Attaching Screws

Anchoring Screw at Door Location

Fig. 12

Non-Door Opening
Flex Stud Length:
(Floor to Ceiling) - 2 3/8"

13. Measure for non-door opening Vertical Flex Studs. Fig. 12.
    a. Flex Stud Measurement:
       (Floor to Ceiling) – 2 3/8"
14. Install Flex Studs into the floor and ceiling Flex Track.
    a. Allow air gap between the Flex Stud and Genesis Stud. This will give the ability to move the Flex Stud when setting the spacing between studs. Fig. 13.
    b. If attaching to existing wall attach Flex Stud to the existing wall.
15. Slide L-Brackets in the floor and ceiling Flex Track into the Flex Studs. Attach using 2 – 3/4" Framing Screws. Fig. 14.
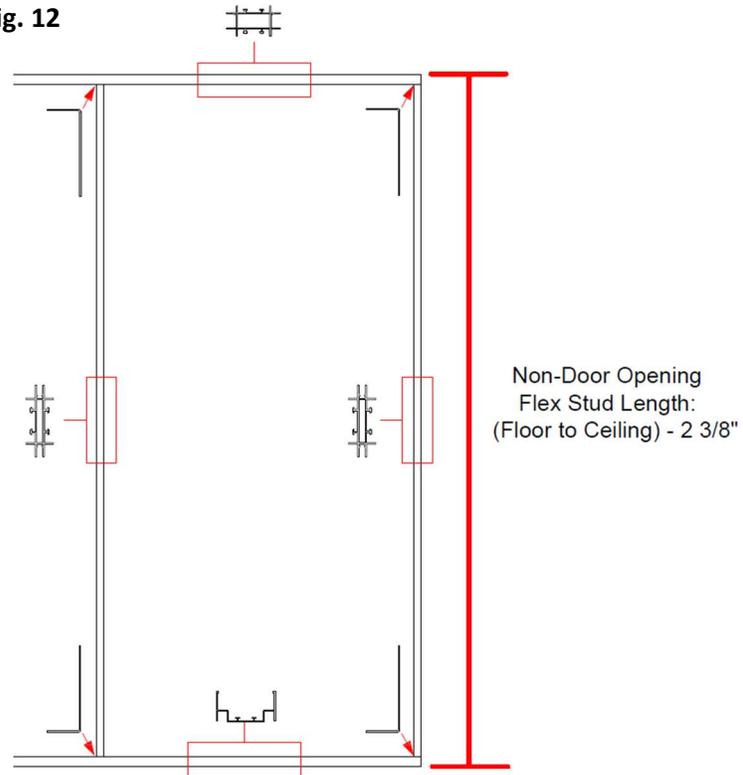
Fig. 13

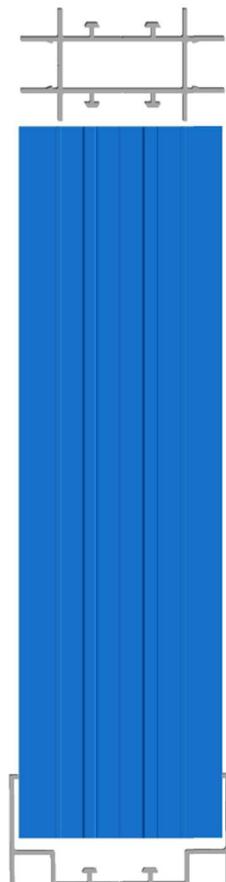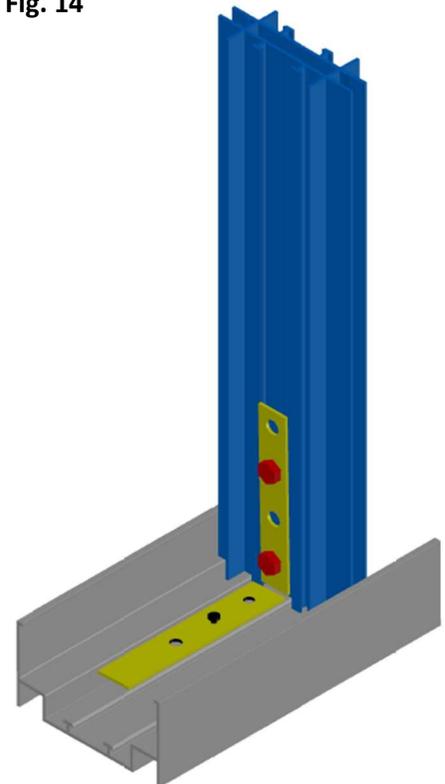**Fig. 14**

6

C-Rail Installation

16. Prior to installing the C-Rail all fixed panels must be installed (glass and/or solid panels) along with the trim. Fig. 15.
17. The C-Rails are pre-cut and pre-drilled for standard width doors. Fig. 16.
    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.
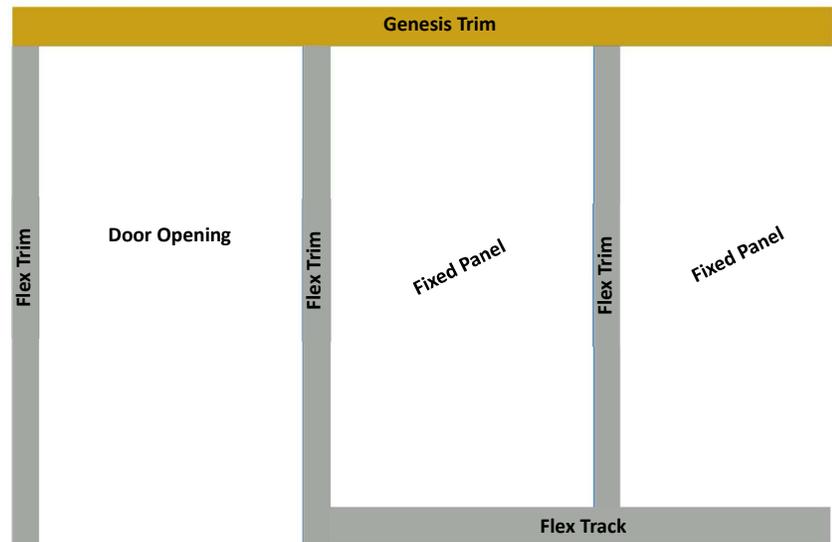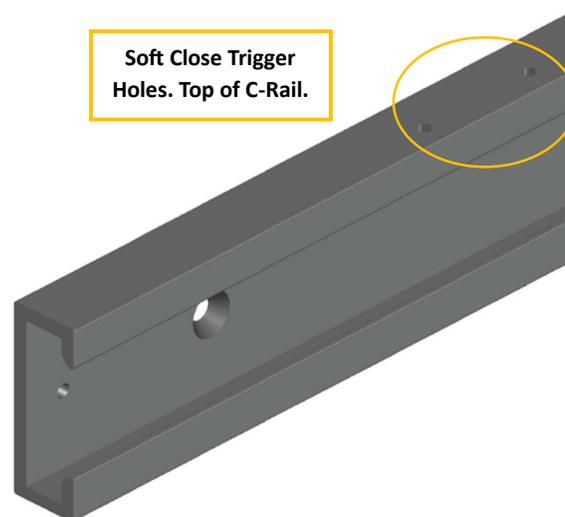   e. Custom length C-Rail(s) are to be prepped on site.

Fig. 15

Fig. 16

Door Stop Hole

Counter Sunk Holes for Attaching Screws

Door Stop Hole

Soft Close Trigger Holes. Top of C-Rail.

Fig. 17A

18. Place C-Rail onto the horizontal Genesis Trim.
    a. The C-Rail will overlap the Flex Trim below the Genesis Trim on closed side of the opening. The edge of the C-Rail will be flush with the edge of the Flex Trim. Fig. 17 A/B.
    b. The bottom edge of the C-Rail will be flush with the bottom edge of the horizontal Genesis Trim. Fig. 18 A/B.
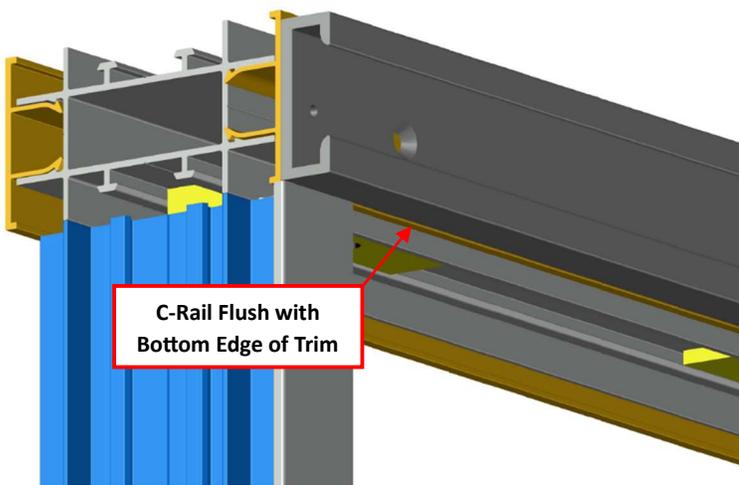
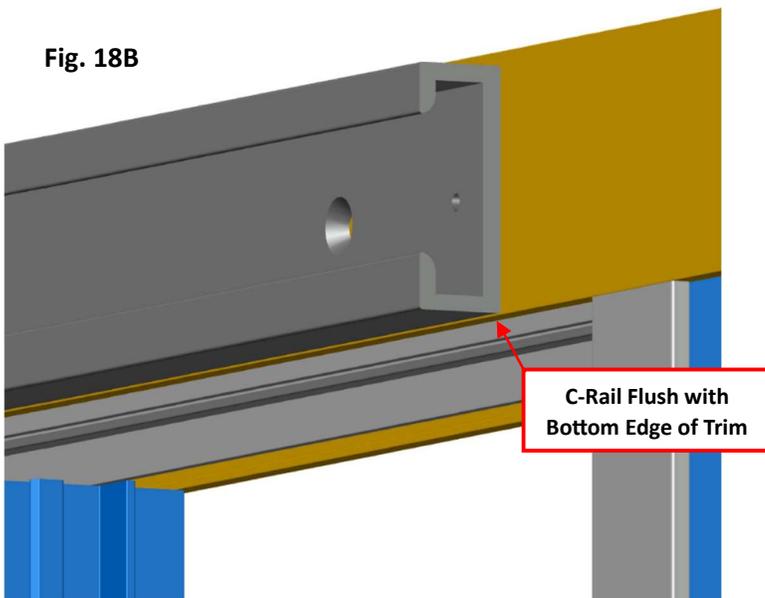C-Rail Flush with Edge of Trim
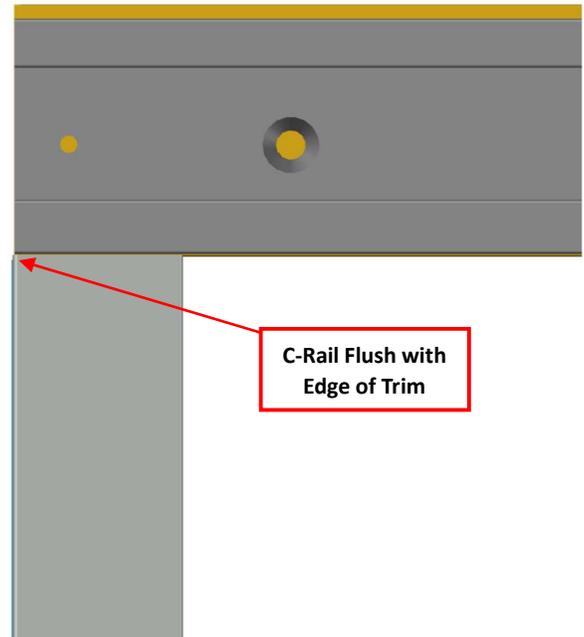
Fig. 18A

C-Rail Flush with Bottom Edge of Trim

Fig. 17B

C-Rail Flush with Edge of Trim

Fig. 18B

C-Rail Flush with Bottom Edge of Trim
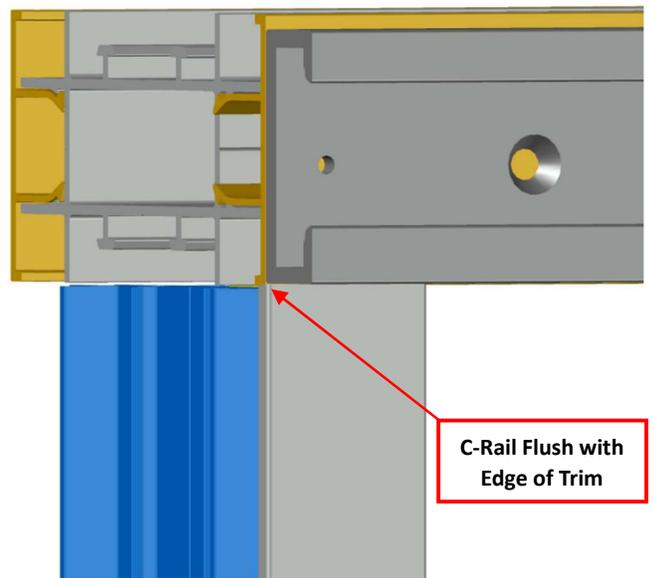
19. With the C-Rail positioned correctly use clamps to hold the C-Rail in position. Make sure the C-Rail is level. Fig. 19.
20. Pre-Drill holes through the center of the counter sunk holes with a 5/32" drill bit for the attaching screws.
21. Attach C-Rail to the framing using the supplied 1 ½" Taper Headed C-Rail Screws.
22. C-Rail Installation complete.
    a. Once the door is installed the doorstops can be installed.

Fig. 19

C-Rail Level Across Door Opening

Finish Cover Installation

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

24. Measure and cut the Finish Cover for the horizontal Genesis 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.

25. Install the Finish Cover
    a. To install the Finish Cover place it onto the center of the Genesis Stud. Strike the center of the Finish Cover with a rubber mallet to snap it onto the stud. Fig. 20.

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

27. 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. 21.
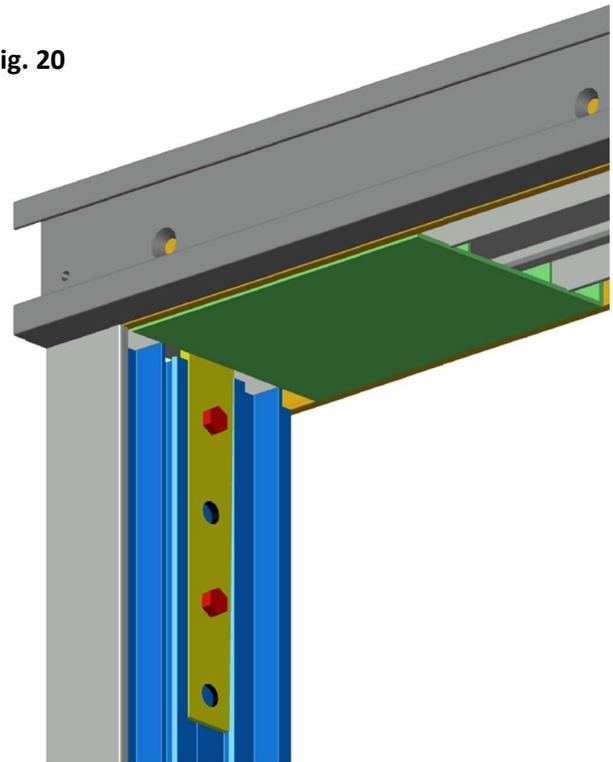
28. Framing complete.

Fig. 20

Fig. 21