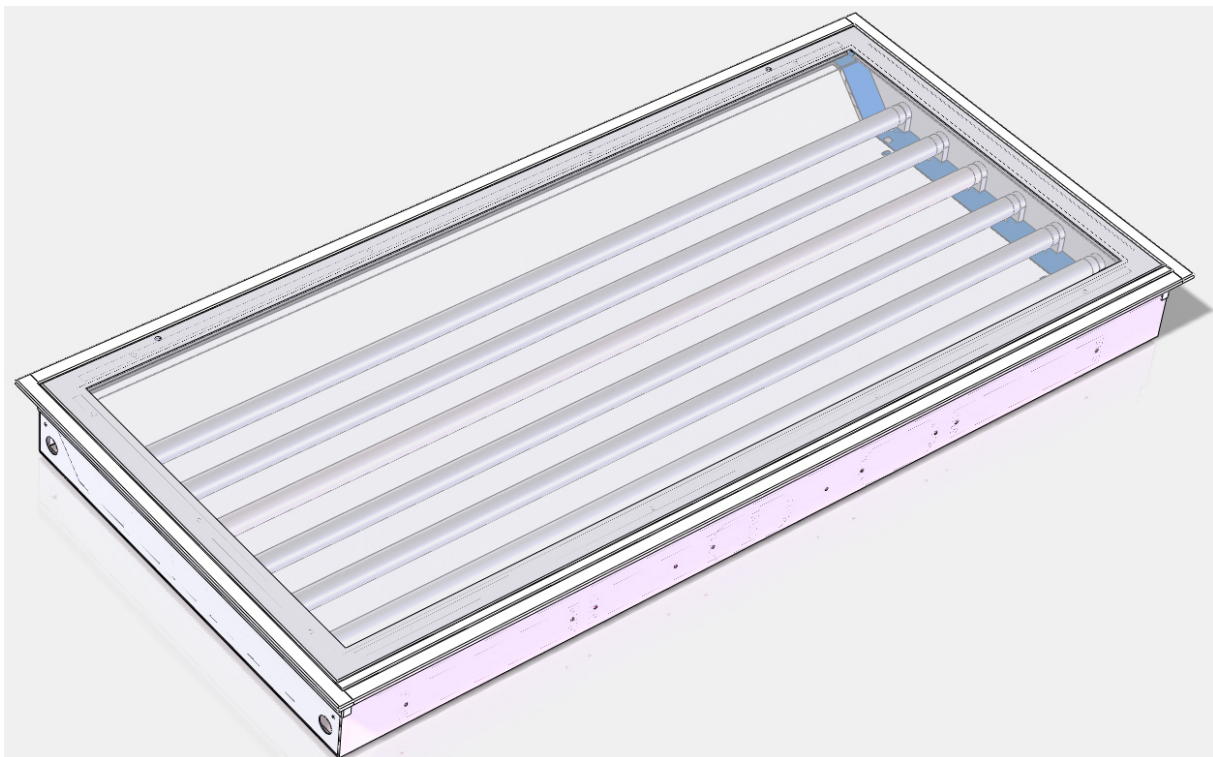




Ceiling Cut-Out and False Flange (Row Mount Spacer) Installation Instructions

HST124 FLANGE SERIES

**Surgical Troffer
Light Fixture
Updated October, 2011**



ALL LIGHT FIXTURES ARE 100% BENCH TESTED BEFORE LEAVING OUR FACTORY.

SURGICAL TROFFER CEILING CUT-OUT AND FALSE FLANGE INSTALLATION INSTRUCTIONS FOR SHEETROCK/PLASTER CEILINGS (INDIVIDUAL OR ROW MOUNTING)

STEP 1

Flange style surgical troffers are supplied with two removable end flanges. Install both end flanges on the troffer assembly before mounting an **individual** surgical troffer into the ceiling. See FIGURE 1 for an illustration of the flange installation.

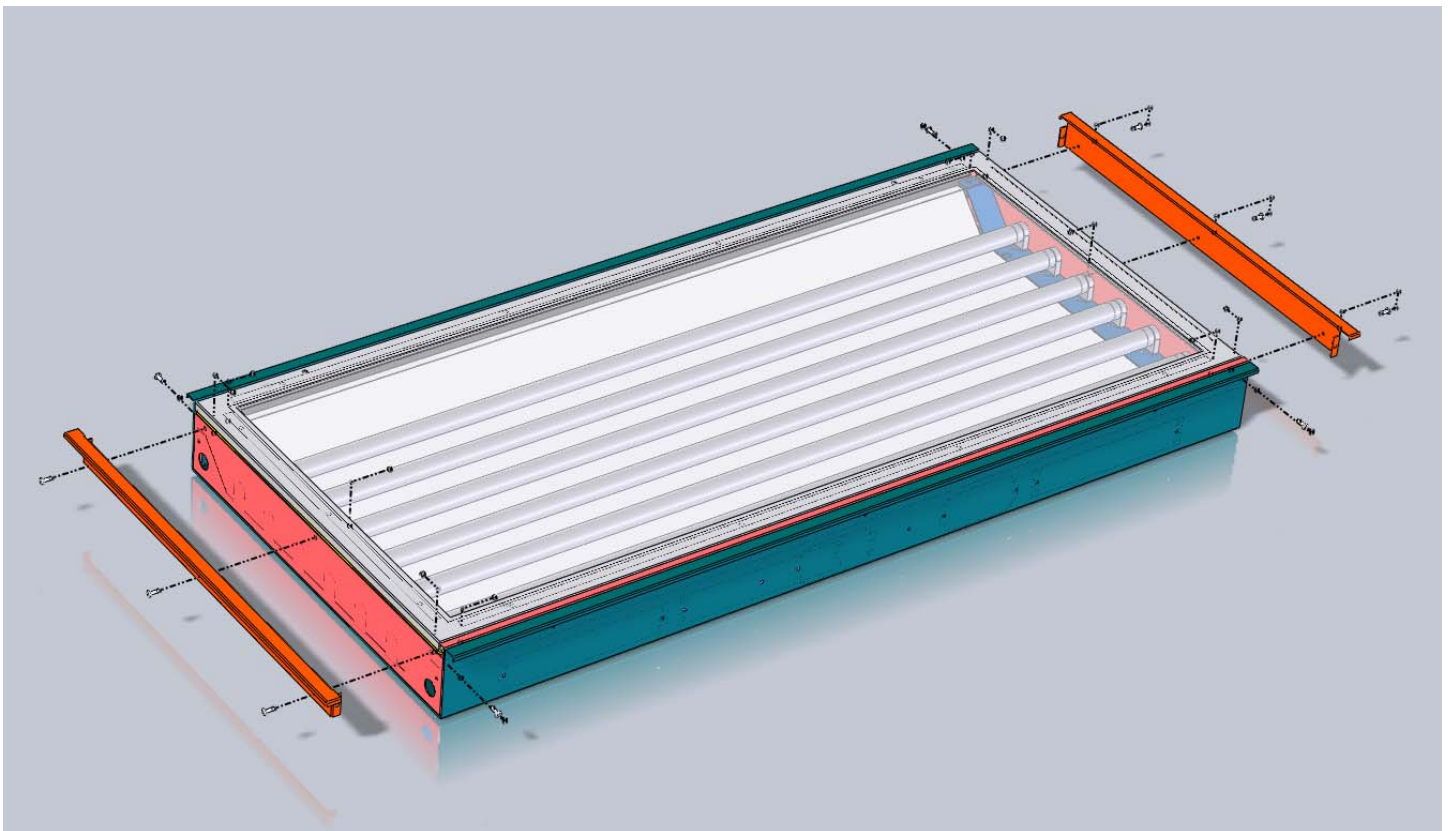


FIGURE 1 – Flange Mounting - Single Flanged Troffer

In a row of multiple troffers, install one of the flanges on the initial troffer to the end that will butt against the cut-out plaster and install one *false flange connector* to the other side of the troffer. The false flange must be installed between each troffer to support the subsequent troffer (See FIGURE 2). On the final troffer to be installed, attach one flange to the end that will butt against the cut-out plaster then attach that troffer to the false flange that has been installed on the previous troffer. The row mount spacer, aka false flange, is one inch wide.

See FIGURE 3 for an illustration of a two troffer configuration and see FIGURE 4 for an illustration of a three troffer configuration.

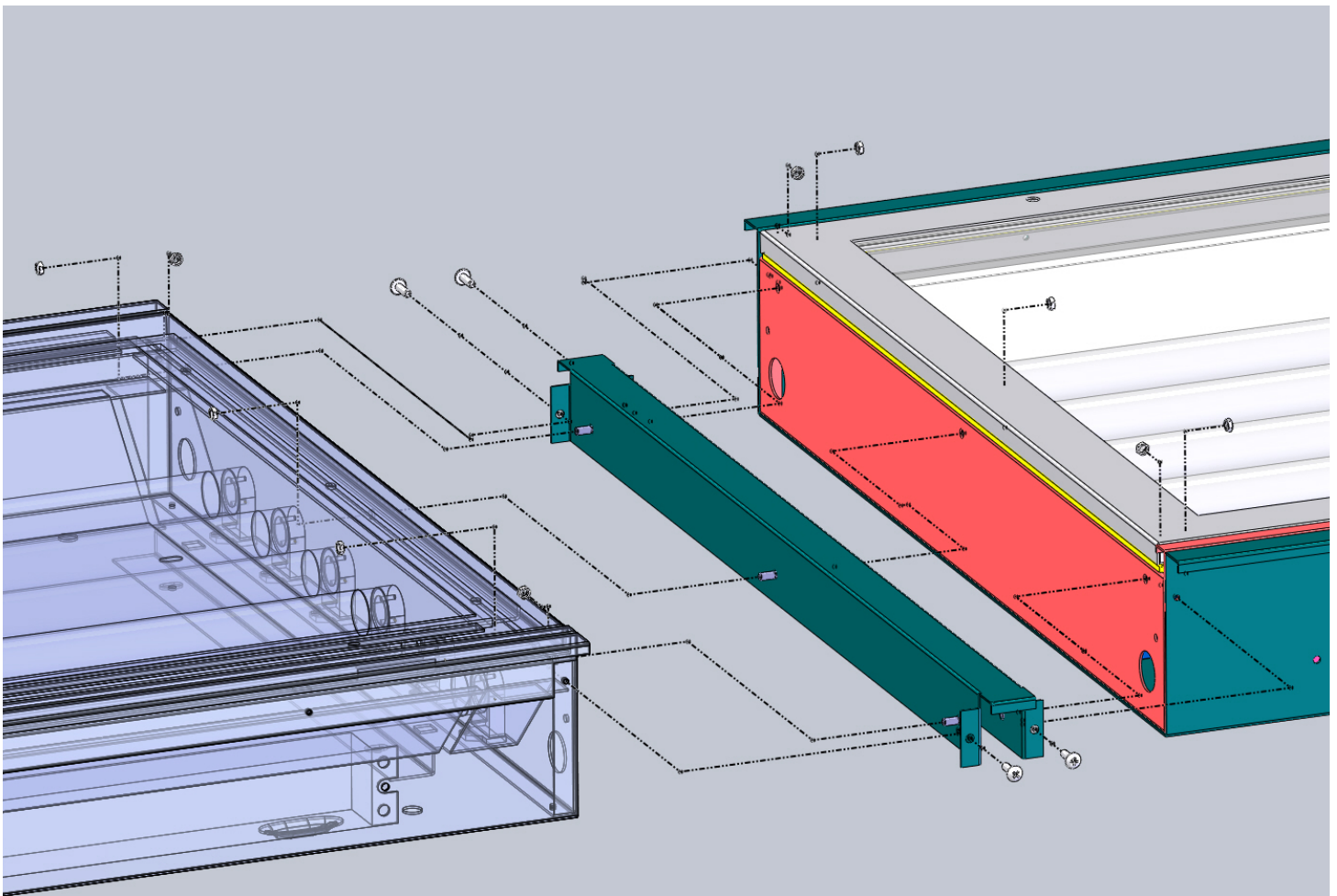


FIGURE 2 –False Flange Installation

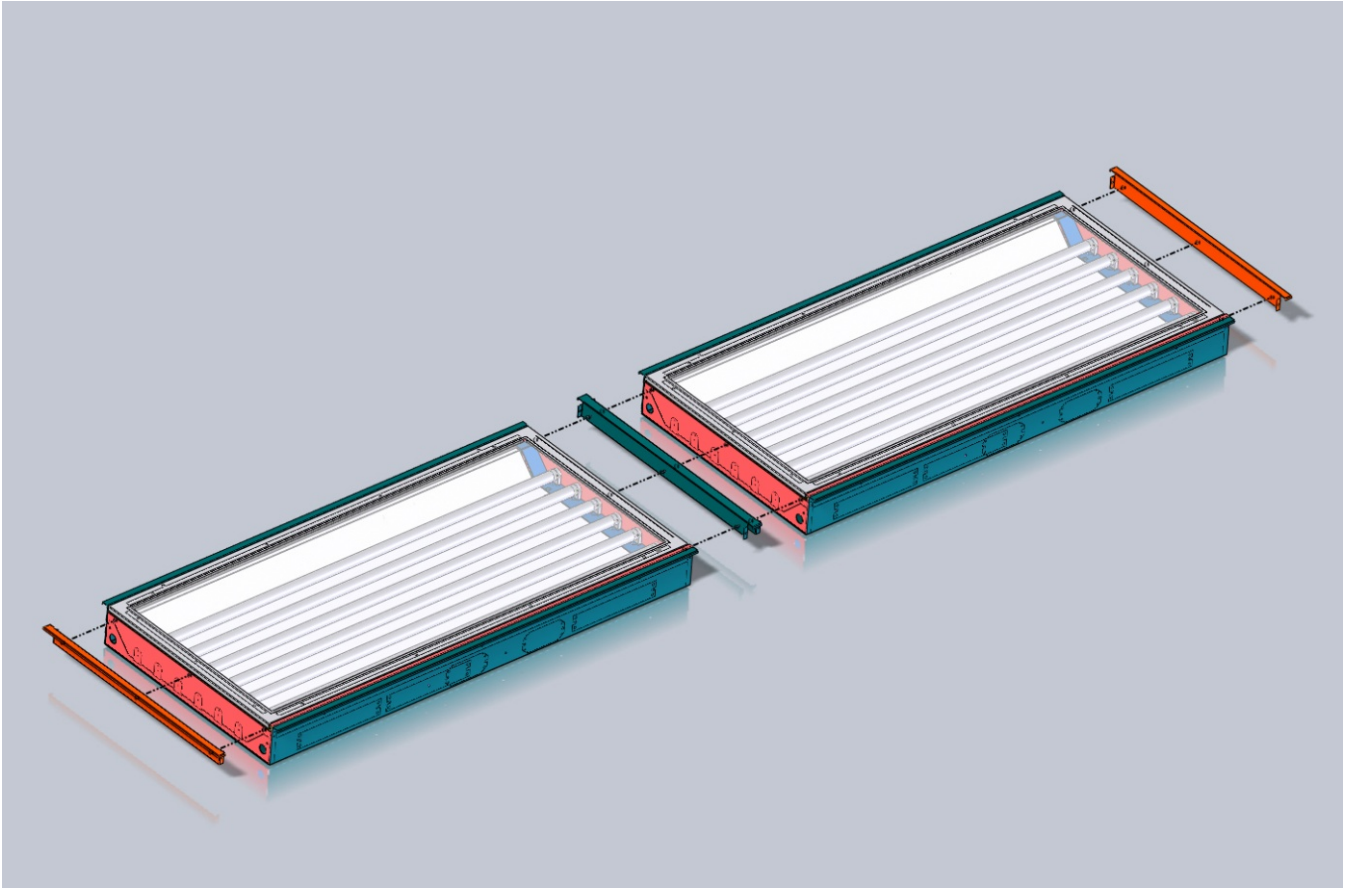


FIGURE 3 – Flange and False Flange Mounting -Two Troffer Design

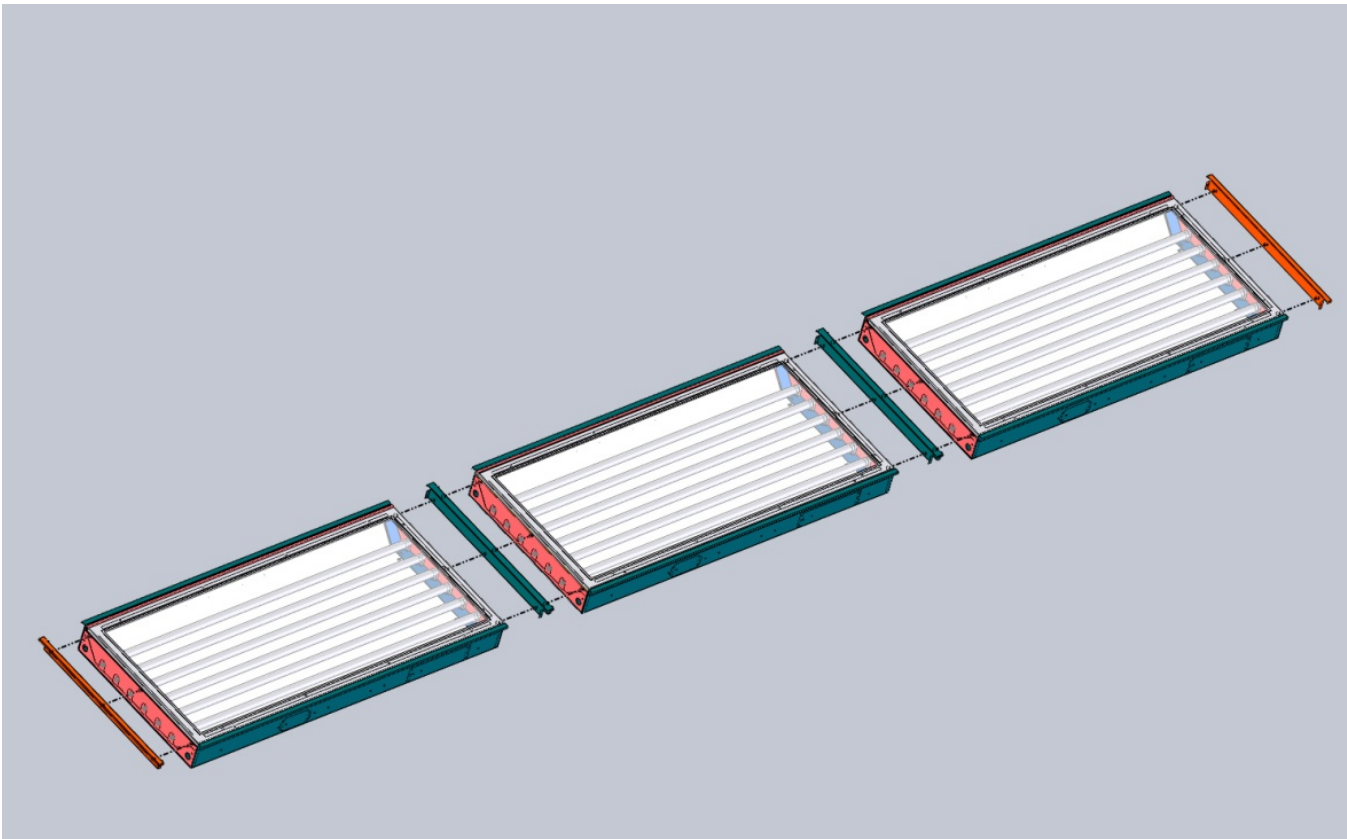


FIGURE 4 – Flange and False Flange Mounting -Three Troffer Design

STEP 2

Surgical troffers are designed to mount from field-supplied hanging structures such as “C” channels or other structural members in the ceiling.

If the sheetrock has not been installed in the ceiling, hang the supports from the structural members above. Once the fixtures have been hung, proceed to install the sheetrock with the appropriate sized opening(s) cut in the sheetrock for the fixtures. Optional plaster frames can be ordered separately to help size the ceiling opening if needed.

If the sheetrock is already installed, the appropriate opening size will have to be cut into the sheetrock in the ceiling.

CEILING CUT-OUT DIMENSIONS

Note: Add 1/8” to the length and width dimension when using plaster frames.

Calculation:

- + Add: 48” for each troffer fixture in a row,
- + add 1” for each false flange/row mount spacer that is used, and
- + add a one-time clearnace tolerance of 0.4”
(for a single fixture, a clearance/ tolerance of .2” is recommended).

Example Calculations for Cut-Out Length:

One (1) 2X4 troffer configuration	$48'' + 0.2'' = 48.2''$
Two (2) 2X4 troffer configuration	$48'' + 48'' + 1'' + 0.4'' = 97.4''$
Three (3) 2X4 troffer configuration	$48'' + 48'' + 48'' + 1'' + 1'' + 0.4'' = 146.4''$
Four (4) 2x4 troffer configuration	$48'' + 48'' + 48'' + 48'' + 1'' + 1'' + 1'' + 0.4'' = 195.4''$

The width of the troffer is 22 5/8”, so we recommend a ceiling cut-out width of 22-7/8”

The ceiling opening for two troffer fixtures is as follows:

Two 2' X 4' Troffers – 22-7/8” X 97.4”

The ceiling opening for three troffer fixtures is as follows:

Three 2' X 4' Troffers – 22-7/8” X 146.4”

The ceiling opening for four troffer fixtures is as follows:

Four 2' X 4' Troffers – 22-7/8” X 195.4”

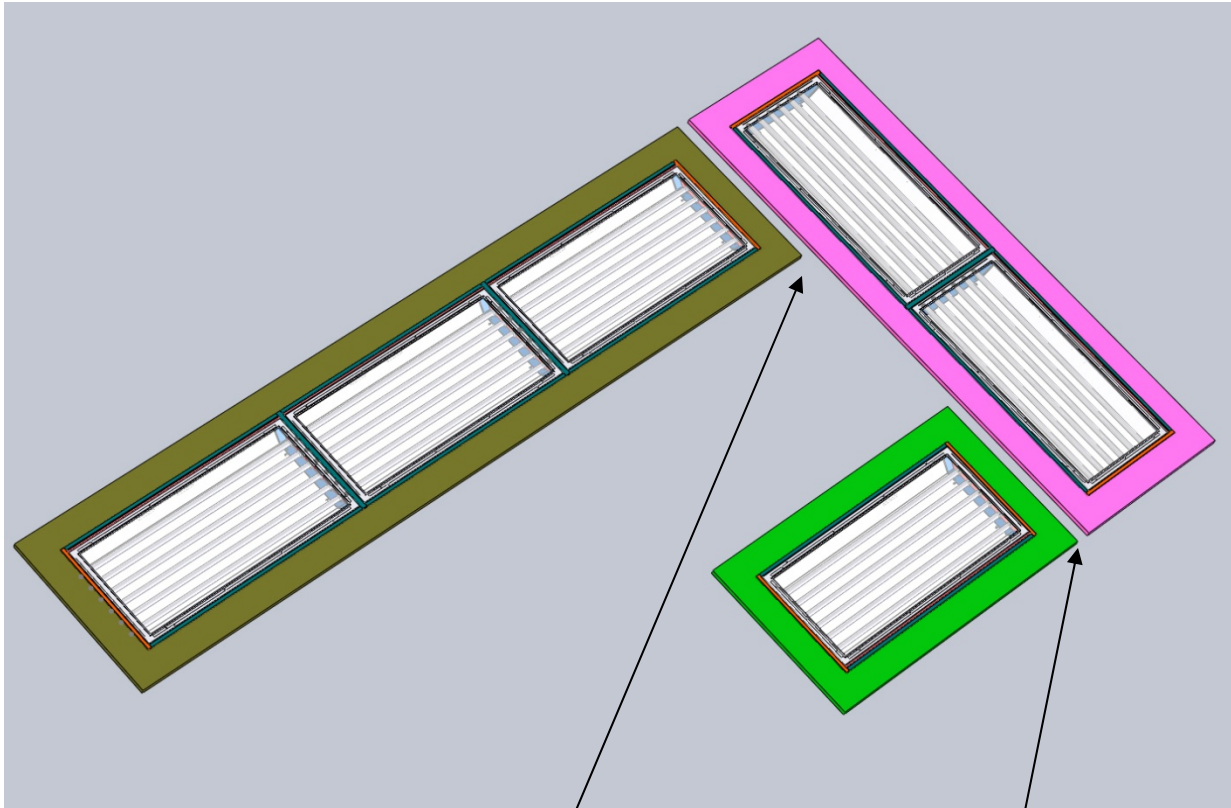


FIGURE 5 – Example Of 3 Troffer Configurations

**We recommend
a minimum of 3 inches of plaster ceiling
between cutout holes**