

## Layout Drawings

Layout drawings give dimensions and details to help installers determine location of product.

Ceiling track locations are taken from the centerline dimensions on the plan view.

Locations of vertical components are found on the plan view designated with individual IRID labels.

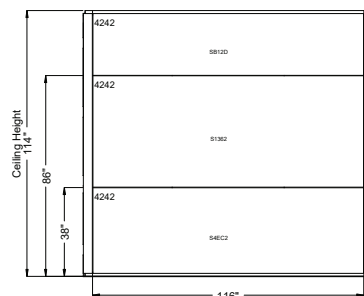
Locations of horizontal components are found in the elevation views designated with individual IRID labels.

Separate elevations are supplied for Structure, Skin & Electrical components.

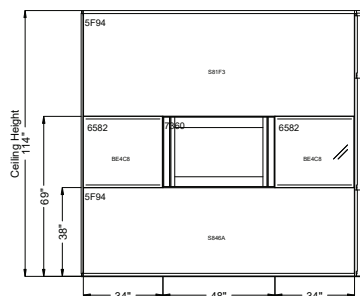
Factory components are shipped with one acoustic seal color applied. Elevation views will indicate if a acoustic seal color changes. See pages 37-38 for instructions on how to replace acoustic seals.

### Example only

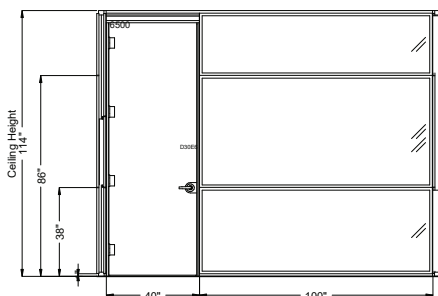
Automatic Elevations



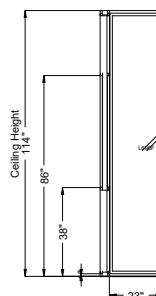
Elevation A



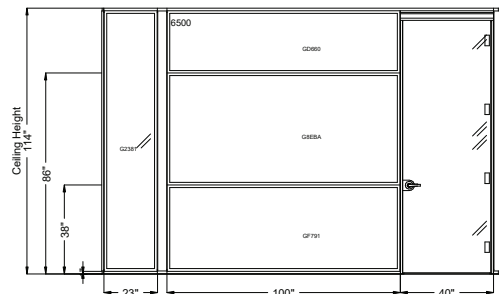
Elevation B



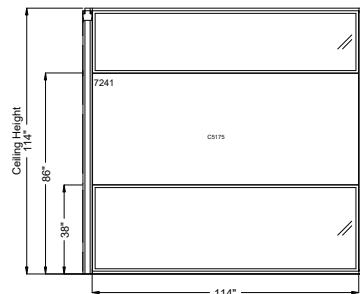
Elevation C



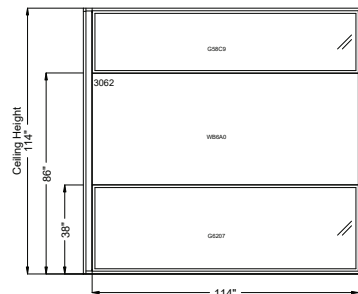
Elevation D



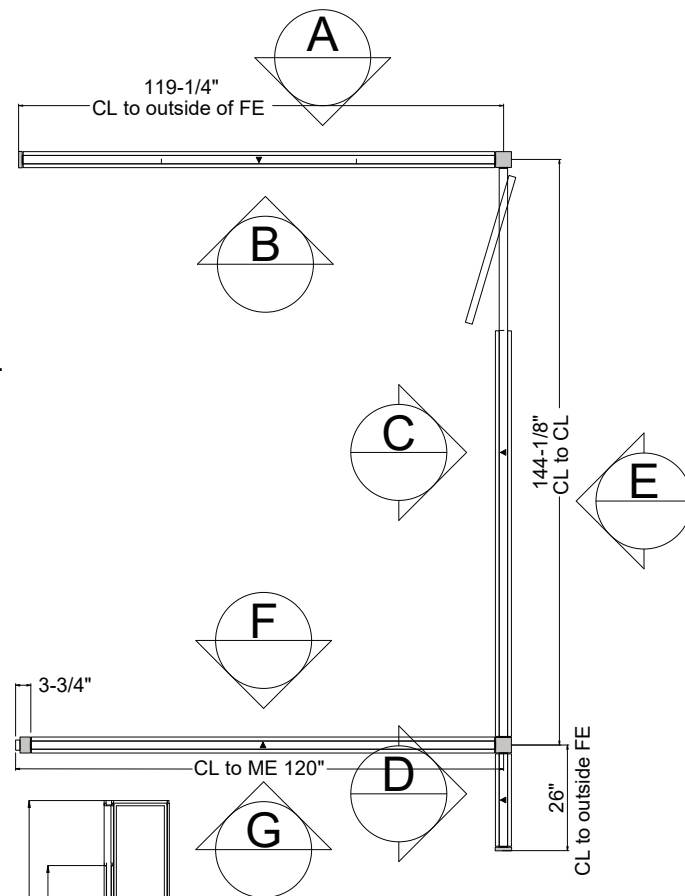
Elevation E



Elevation F



Elevation G



## General information

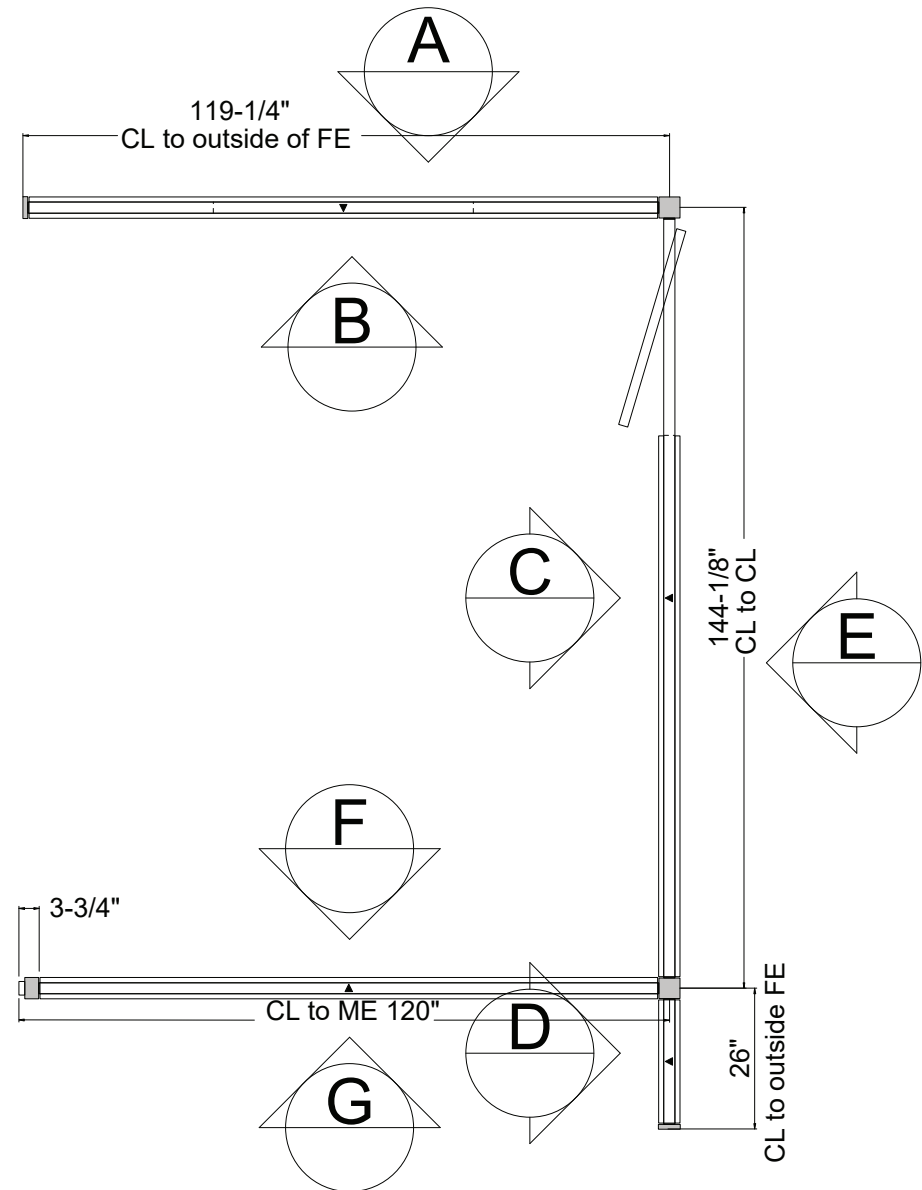
Use the centerline dimensions from the layout drawing plan view to determine location of ceiling track centerlines. Several methods can be used to mark lines on the ceiling, including laser transit, pencil marks on tape, chalk lines.

See pages 9 through 18 for additional ceiling track information to determine cutting lengths for common ceiling track conditions.

Transfer the ceiling centerline to the floor by means of laser transits or plumb bob.

Make sure that the tape or lines are not visible after install is complete.

For the best results use a 5-point alignment self leveling laser to transfer lines, plumb, level and square to within  $\pm 1/32$  of an inch. The most accurate feature to reference, while leveling, is the vertical post system hole shown on page 21 & throughout various V.I.A. assembly directions.

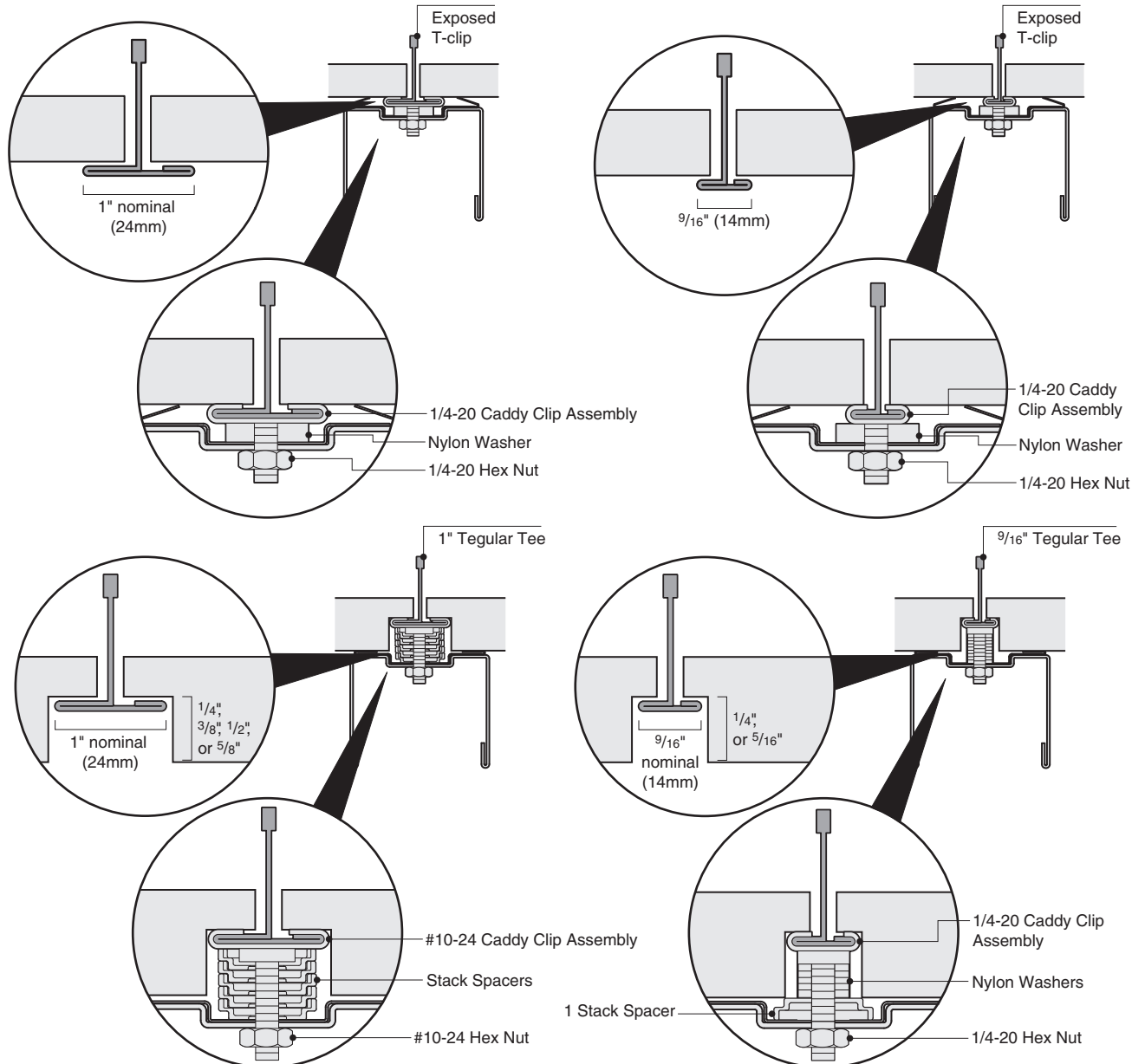


**Example only**

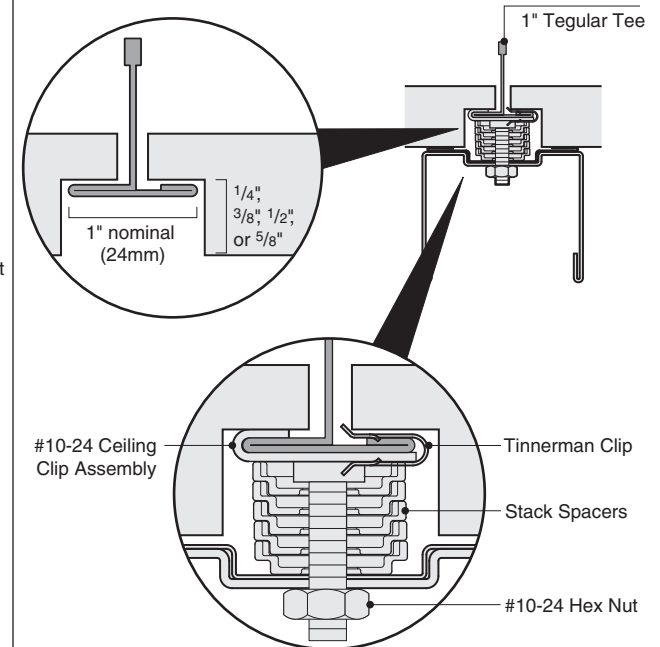
## Channel Mounting Options\*

\* The building's designated design professional (Architect or Engineer) must verify that the ceiling grid is adequate to support lateral loads imposed by Everwall Local codes may require independent bracing.

### Exposed Tee Grids - Everwall Fastener Kits



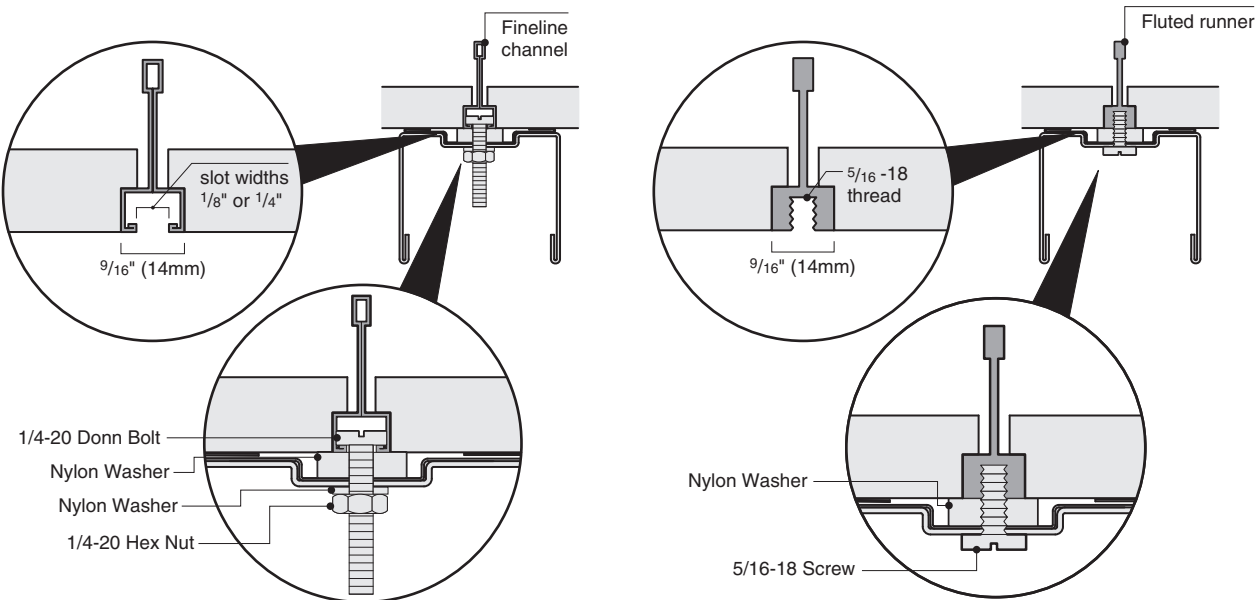
### Exposed Tee Grids - Everwall Fastener Kit Tinnerman Clip Style (Recessed Version)



Channel Mounting Options (Continued)\*

\* The building's designated design professional (Architect or Engineer) must verify that the ceiling grid is adequate to support lateral loads imposed by Everwall Local codes may require independent bracing.

Bolt and Screw Grids - Everwall Fastener Kits



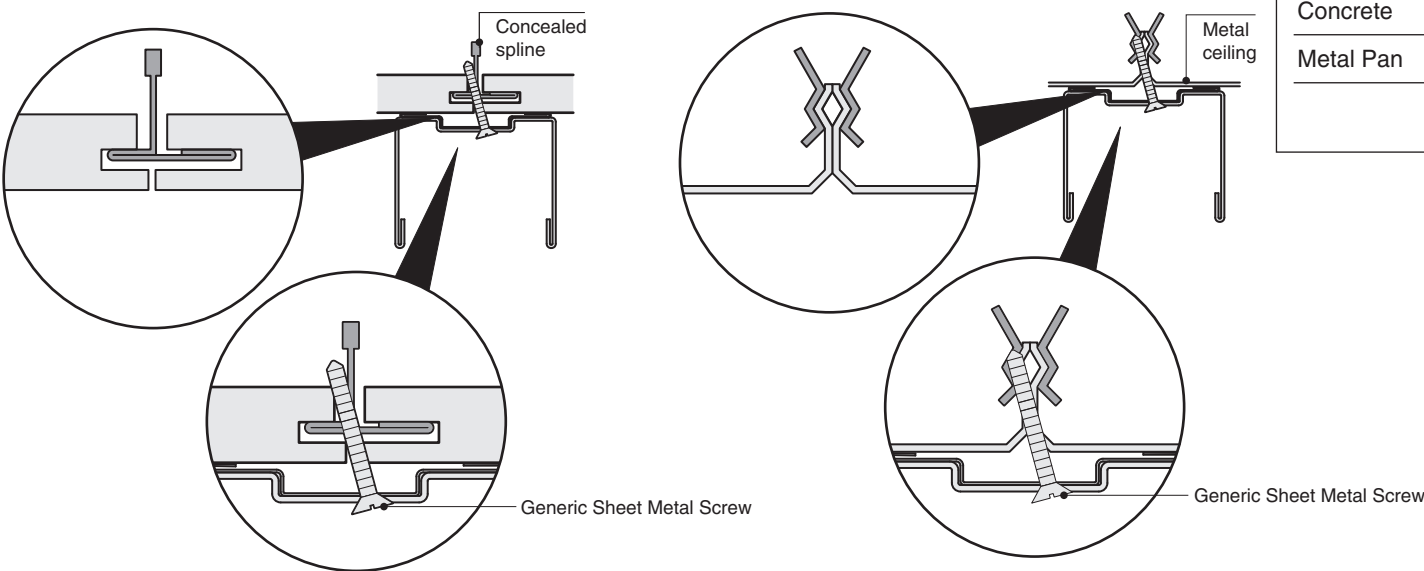
The following hardware is **NOT** supplied with the product, but is commonly used for attachment for common building construction.

**NOTE:** Mounting hardware must be specified/verified by the designated design professional or approved by the AHJ.

**For these and other types of ceilings, the following fasteners can be sourced locally by the installer:**

Concealed spline	#7-17 x 1-5/8" Bugle Head Self-Drilling Screws
Drywall	#14 - 1" Phillips Head SMS with plastic anchor
Plaster	1/4-20 Toggle Bolt
Concrete	Tapcon Anchor x 2"
Metal Pan	#7-17 x 1" Bugle Head Self-Drilling Screws

Concealed Grids - Field-Purchased Generic Fasteners

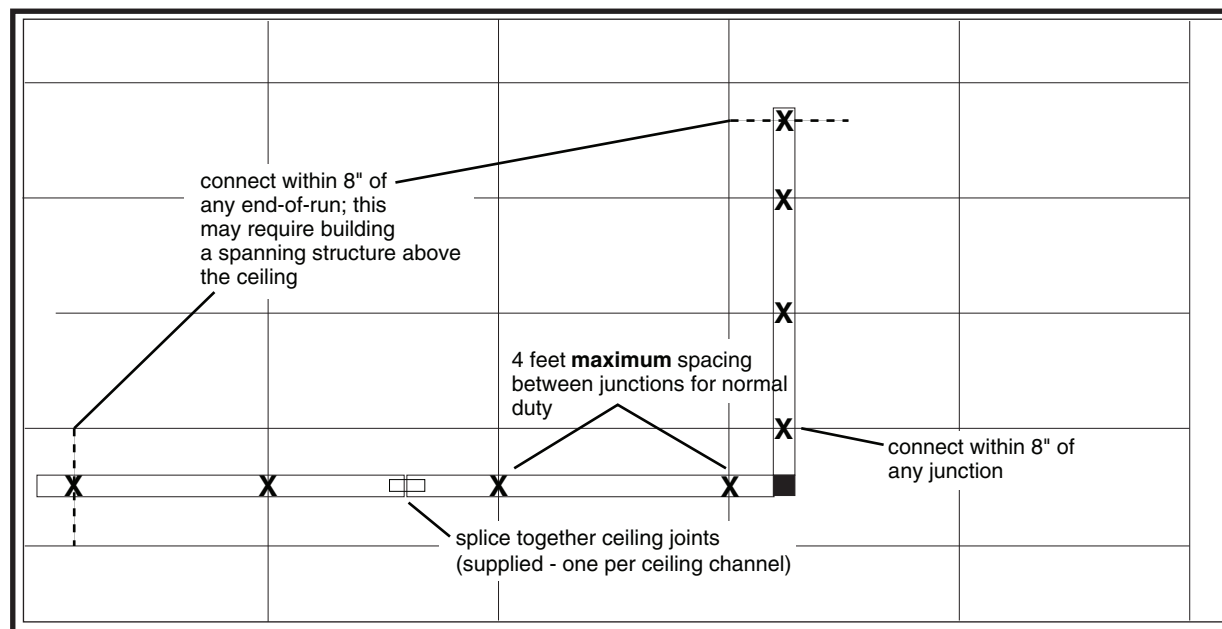
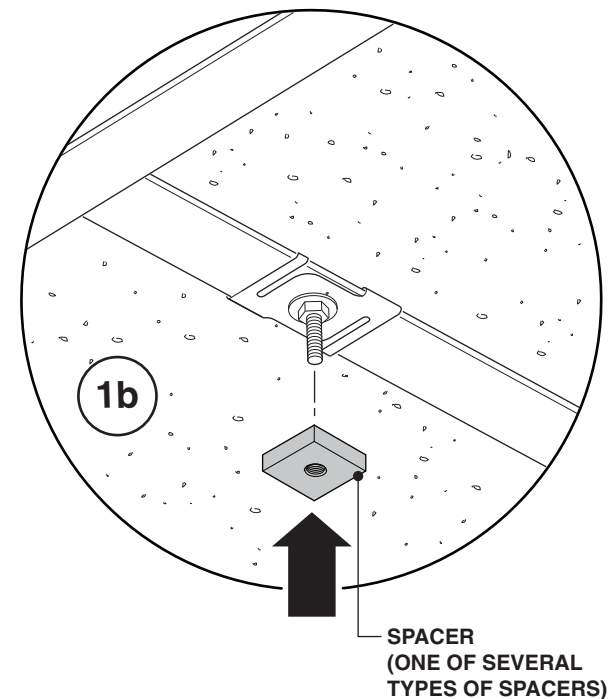
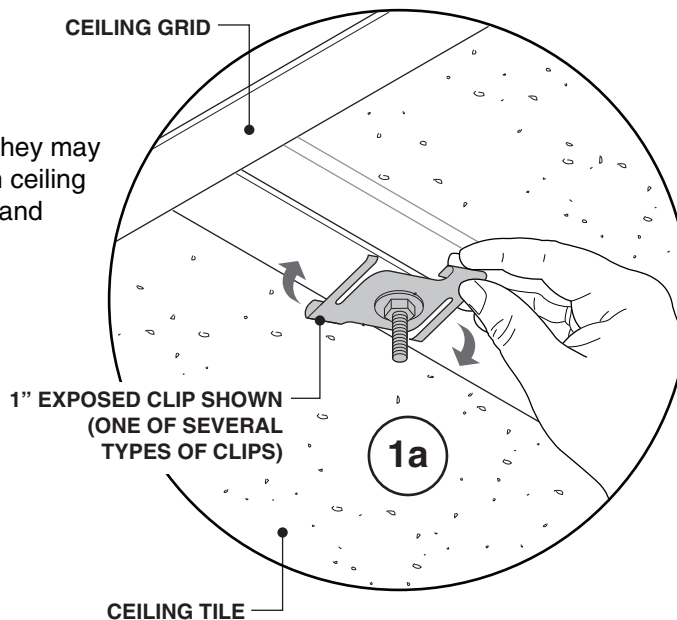


## Installing Ceiling Channels

**NOTE:** Be aware of mounting location studs as they may interfere with wall panel post extensions. Slots in ceiling track are every 6", so using the wall panel width and location shift ceiling track to avoid interferences.

**1.** Attach the ceiling track to your ceiling in compliance with local building codes and common local practice as directed by the lead installer. See 'channel mounting options' for typical handling of common ceiling conditions.

Connections should be made at least every four feet for normal duty and at least every two feet for heavy duty and along straight runs, and within eight inches of the end of any run. Each off-module connection or junction should also have a connection within eight inches of the joint.



**NOTE:** At this time consider electrical or communications routing that would need to be accommodated through the ceiling track. Field cutting of track may be required.

## Installing Sound & Light Seal for Tegular Ceiling Applications

**NOTE:** Cut and place pieces of seal anywhere that sound or light can travel through the tegular grid.

CUT A SEAL PIECE BIG ENOUGH TO BLOCK SOUND AND LIGHT IN BOTH DIRECTIONS

CEILING TRACK INLINE WITH GRID

SEAL

CEILING CLIP

TEGULAR CEILING GRID

CEILING TRACK PERPENDICULAR TO GRIDS

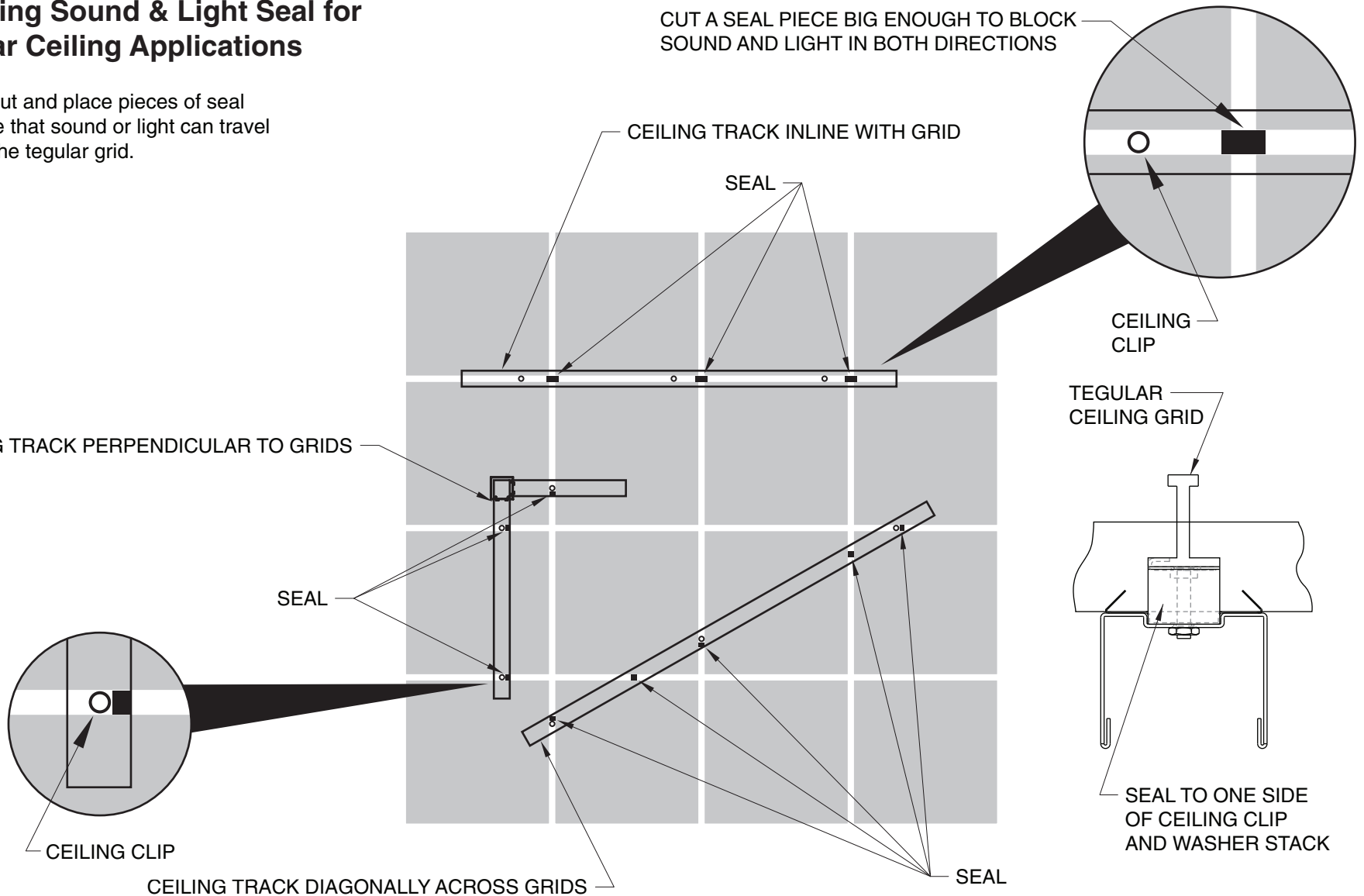
SEAL

CEILING CLIP

CEILING TRACK DIAGONALLY ACROSS GRIDS

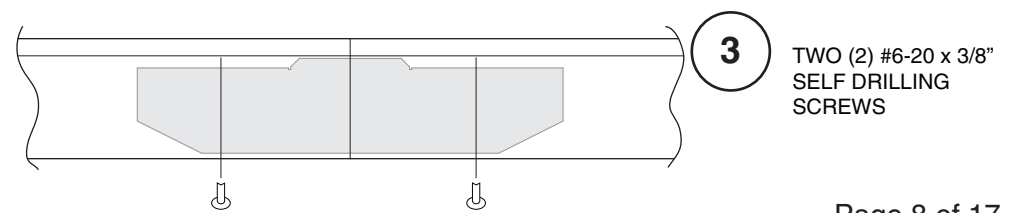
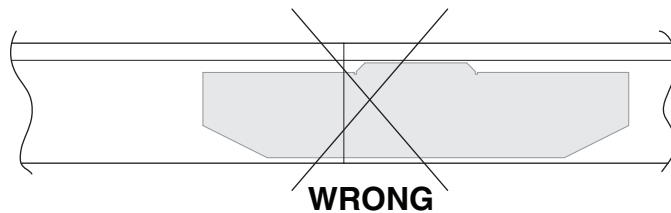
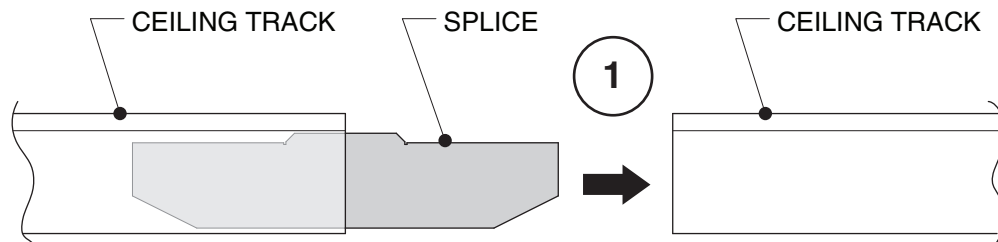
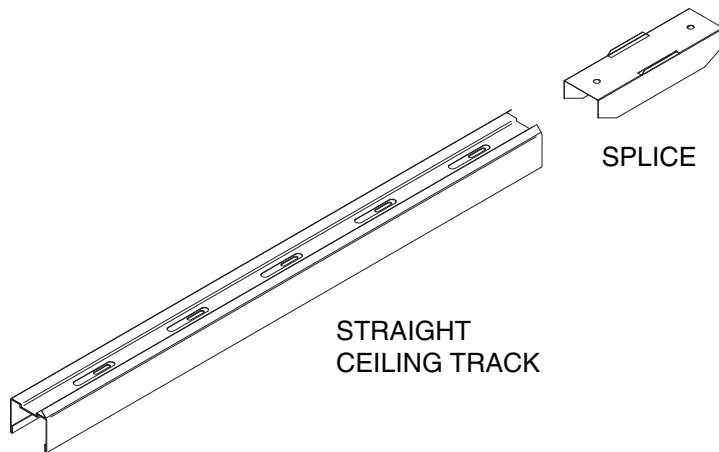
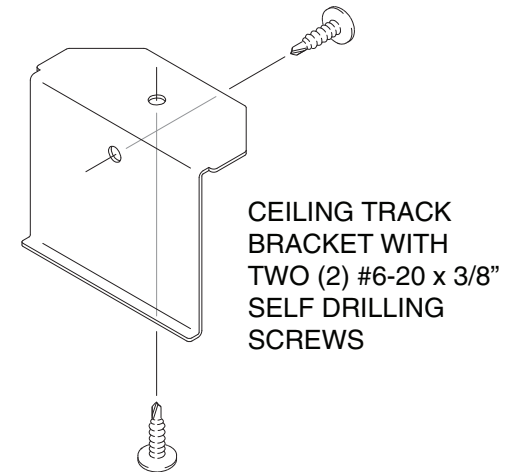
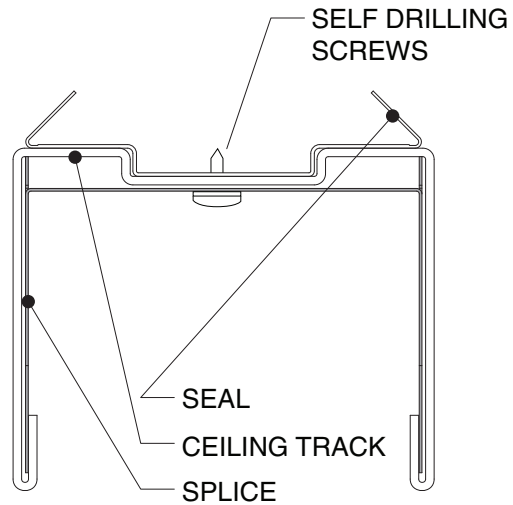
SEAL

SEAL TO ONE SIDE OF CEILING CLIP AND WASHER STACK



## CEILING TRACK INSTALLATION

1. Each ceiling track comes with one (1) splice. When installing ceiling track butt joints, center the splice as shown.
2. A feature of the straight ceiling track is the center hole spacing matches most ceiling grids.
3. Two self tapping screws are provided to secure the splice connection after the ceiling track is installed.

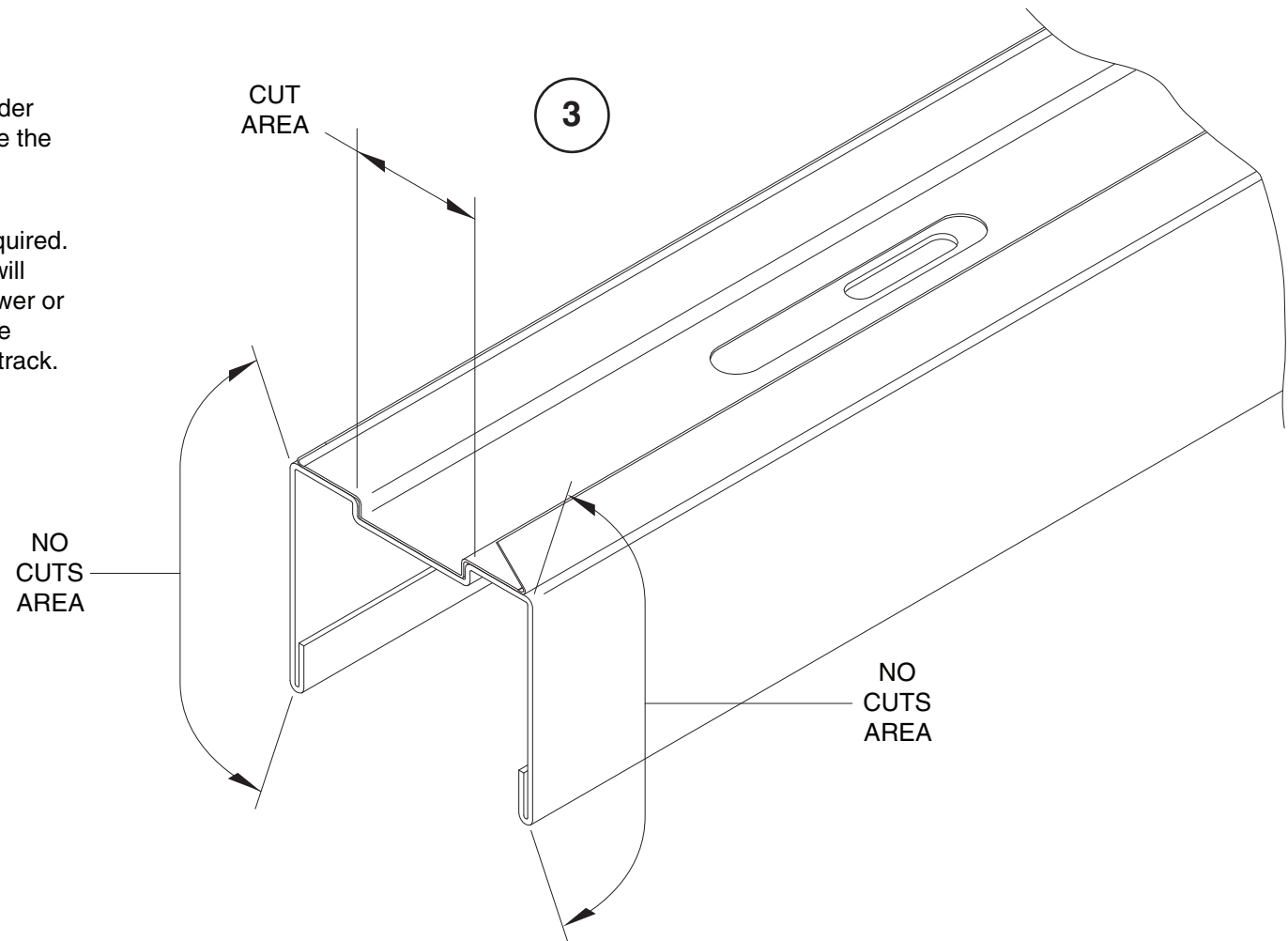




## CEILING TRACK INSTALLATION (cont.)

**TIP:** Before cutting the ceiling track, consider locations of pre-punched holes to minimize the need for additional holes.

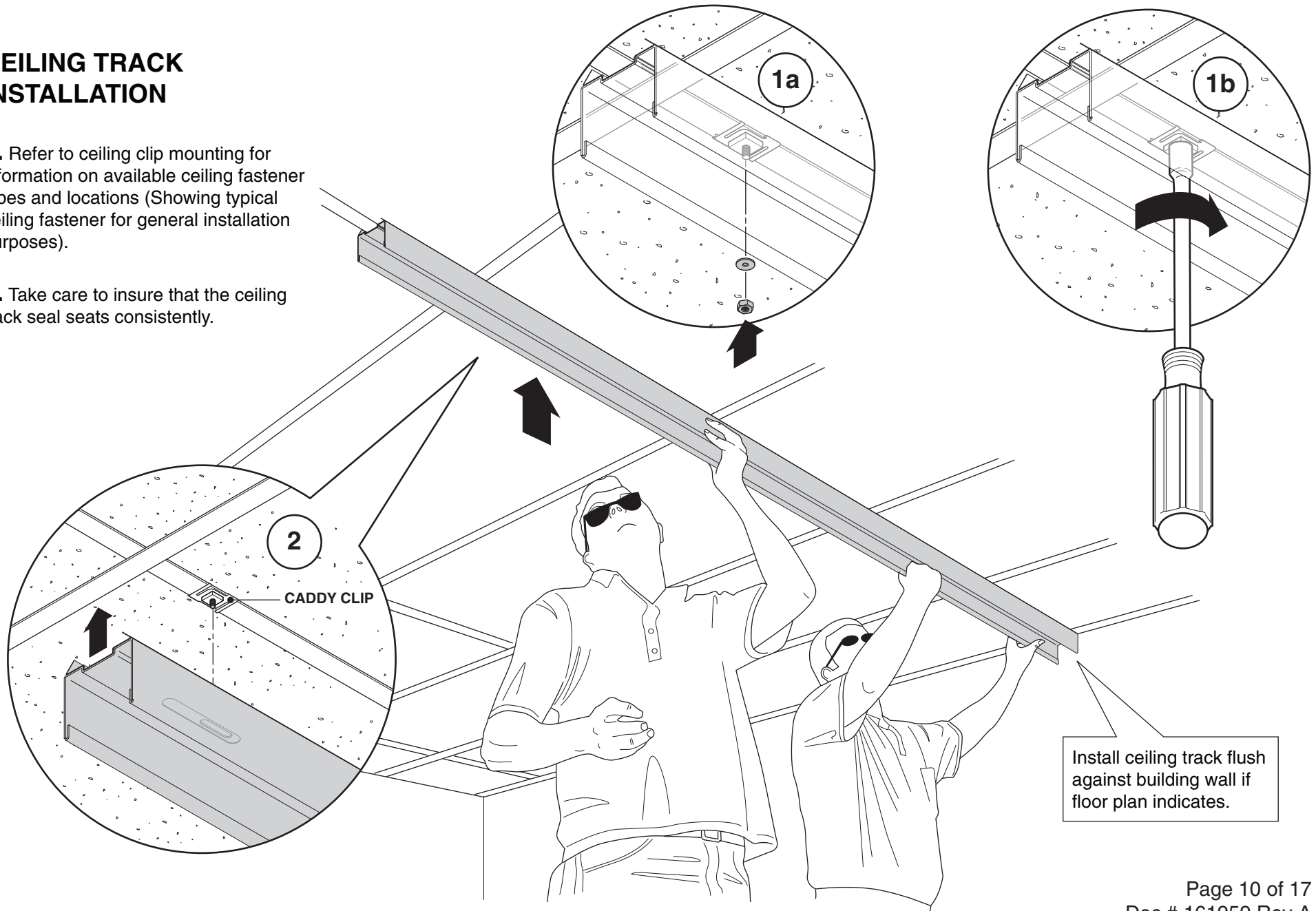
**3.** Use a saw to cut ceiling track when required. Remove all burrs with a file. Square cuts will insure best appearance. When routing power or communication, sheet metal shears can be used to cut a hole in the top of the ceiling track. Avoid cutting the side of the ceiling track because these cuts will be visible.



## CEILING TRACK INSTALLATION

**1.** Refer to ceiling clip mounting for information on available ceiling fastener types and locations (Showing typical ceiling fastener for general installation purposes).

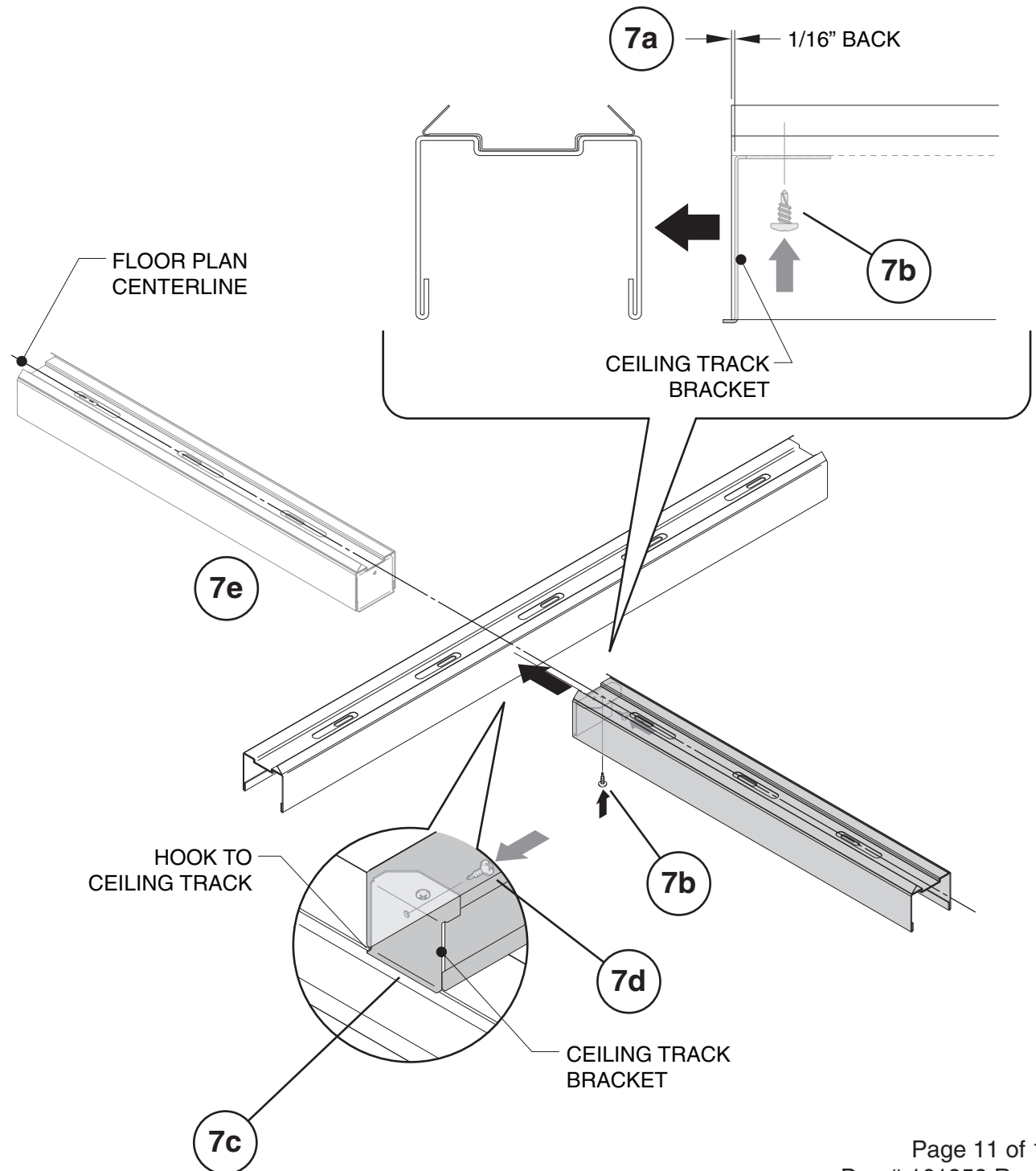
**2.** Take care to insure that the ceiling track seal seats consistently.



## CEILING TRACK INSTALLATION (cont.)

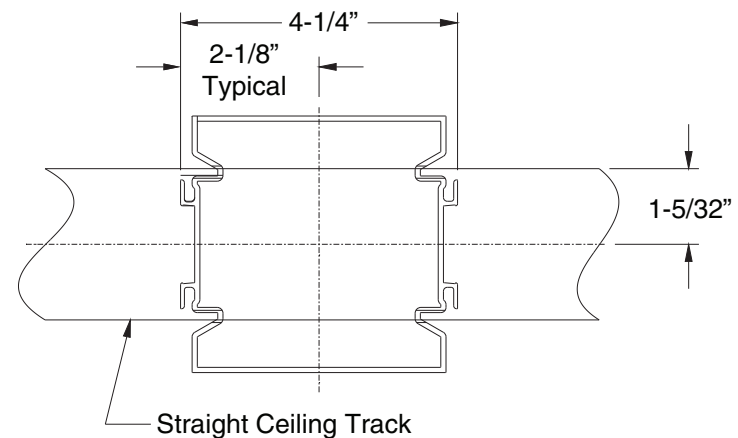
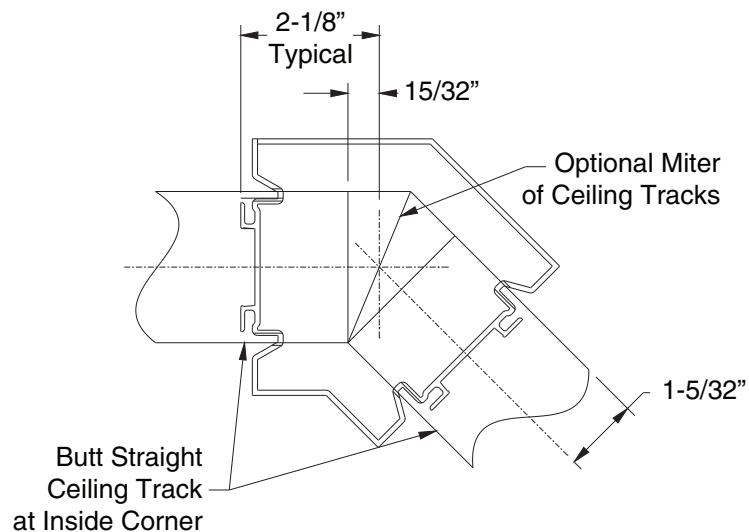
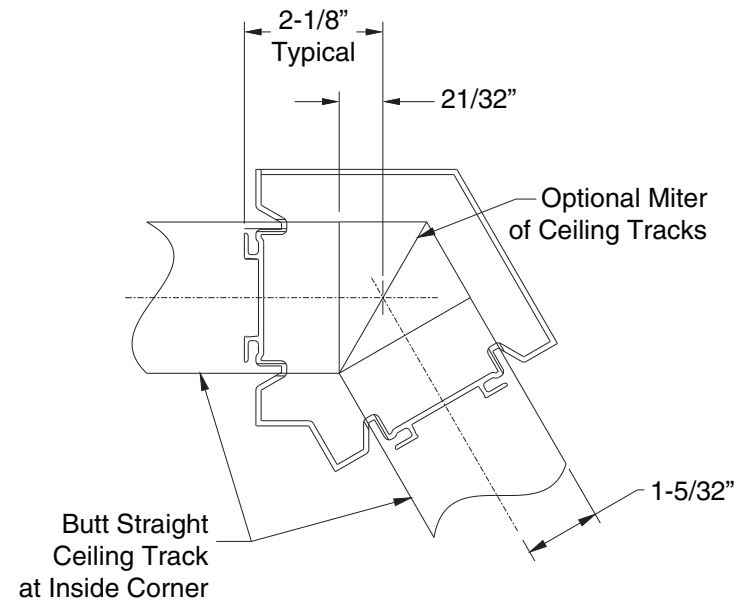
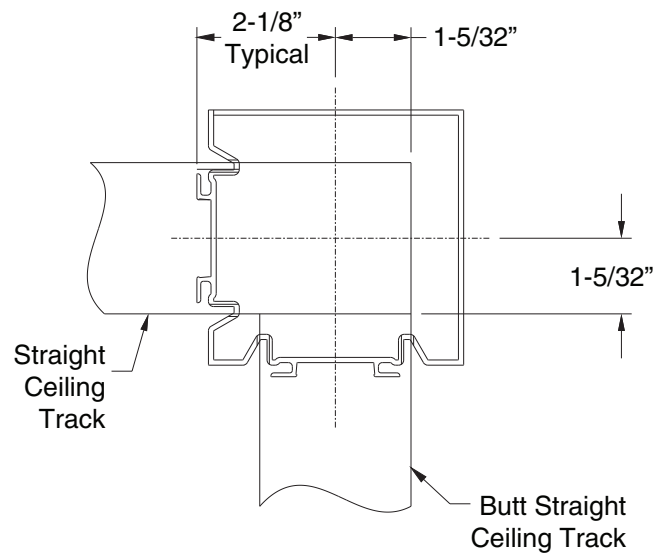
**7.** When a 'T' intersection is required, attach the ceiling track bracket to 1/16" back from end of ceiling track as shown (7a) and attach with self-drilling screw to the ceiling track (7b). Aligning to the centerline of the floor plan, hook ceiling track bracket (7c) to the other ceiling track and attach with self-drilling screw as shown (7d).

Repeat the process on the other side if an 'X' intersection is required (7e).



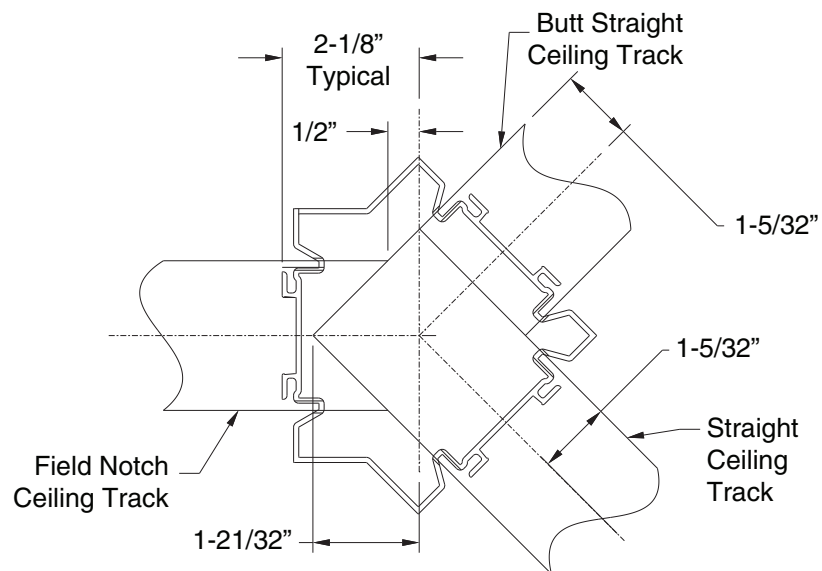
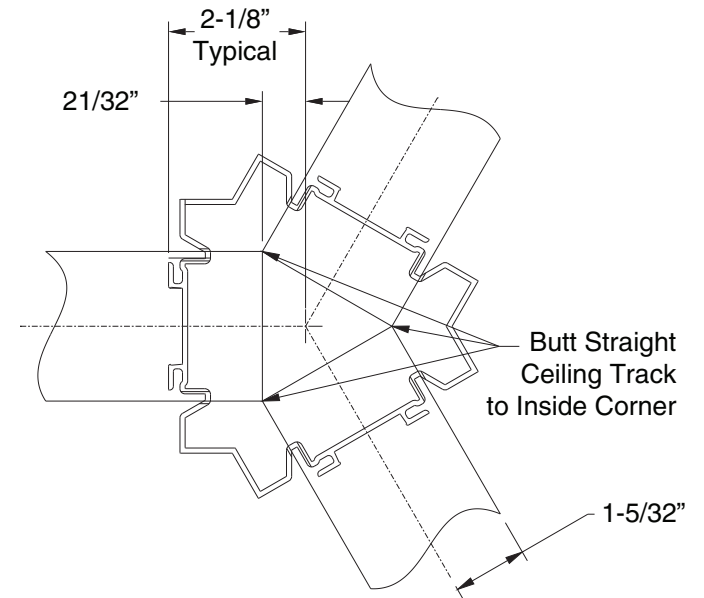
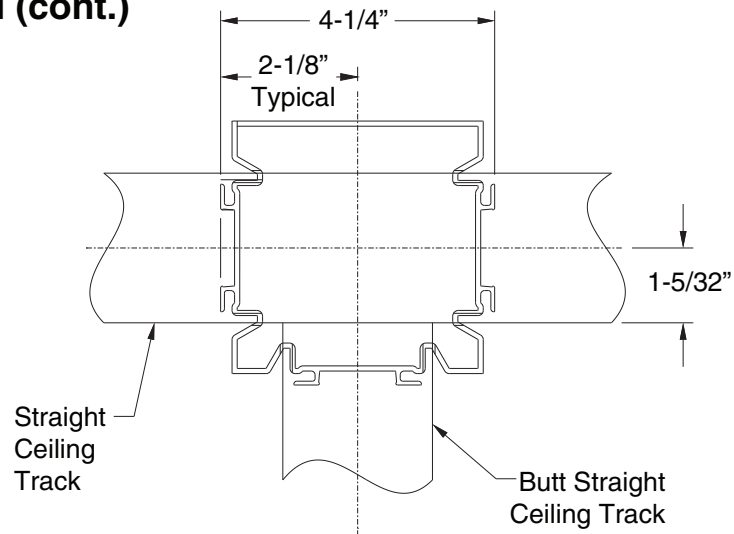
**2-WAY JUNCTIONS 90°, 120°, 135°, 180°  
AND SPECIFIABLE ANGLES  
FROM 91° THROUGH 179°**

**CEILING TRACK  
INSTALLATION (cont.)**



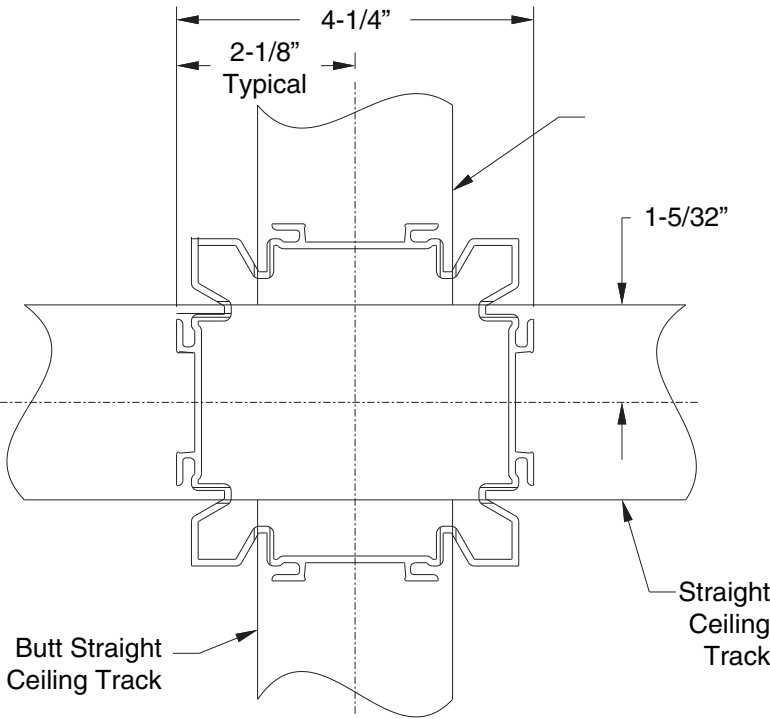
## 3-WAY JUNCTIONS 90°, 120° & 135°

### CEILING TRACK INSTALLATION (cont.)

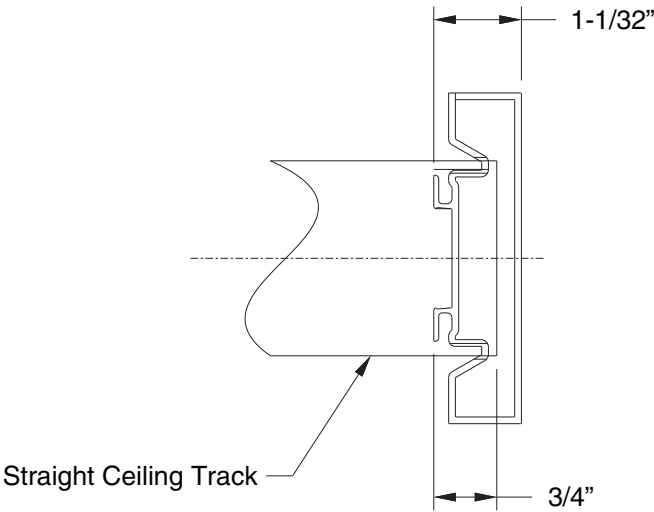


CEILING TRACK  
INSTALLATION (cont.)

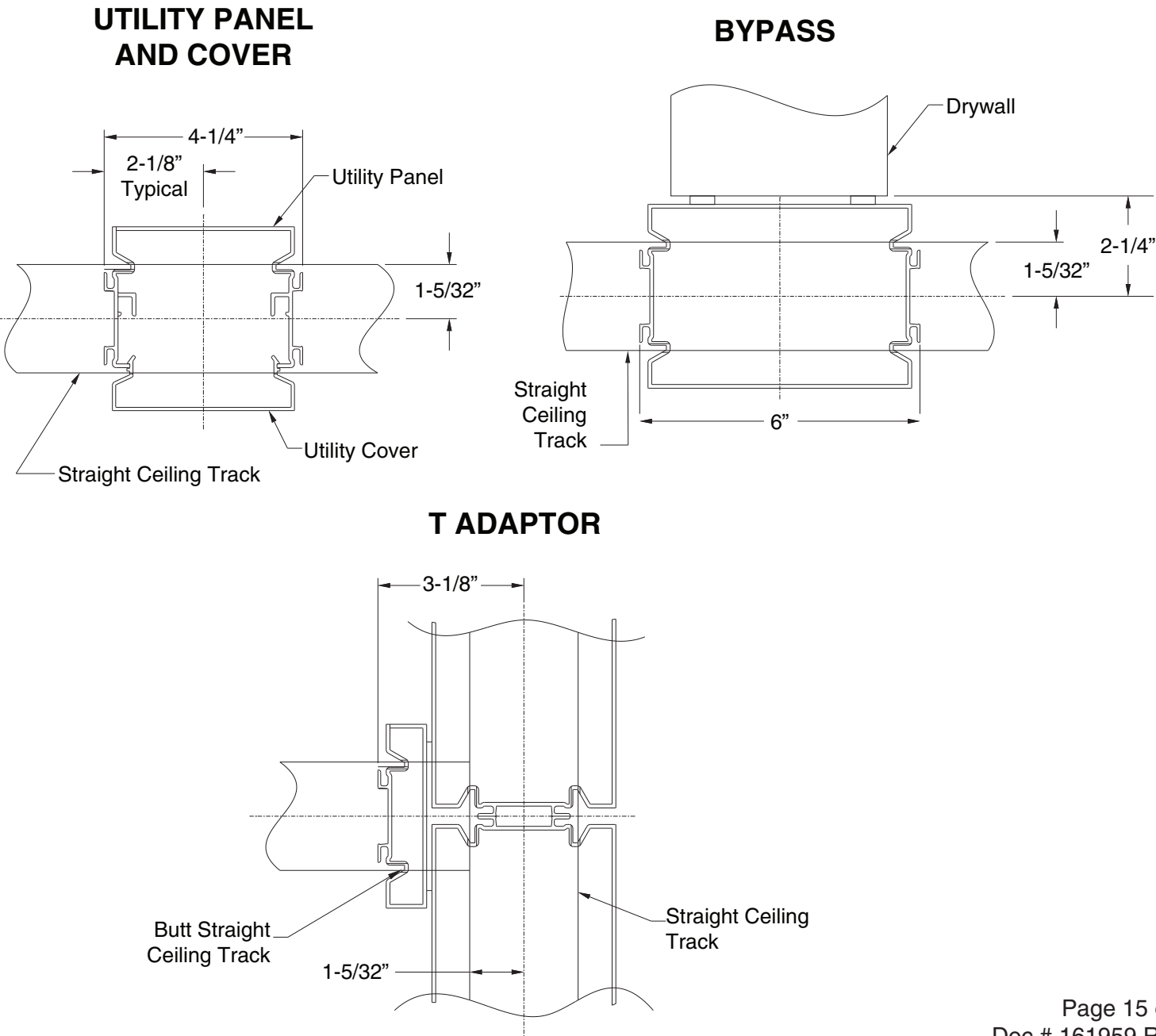
4-WAY JUNCTION



FINISHED END



CEILING TRACK  
INSTALLATION (cont.)



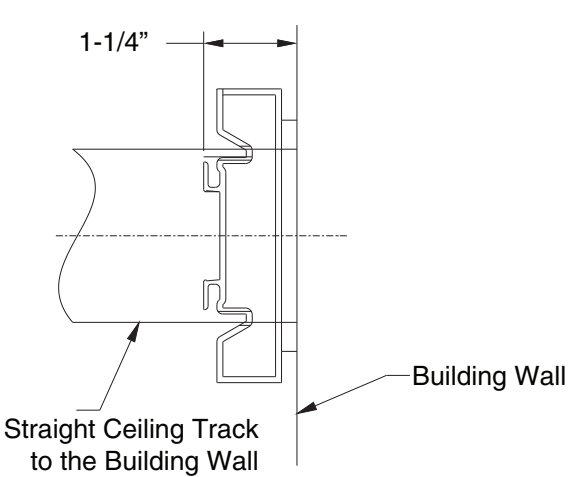
CUTSKIN APPLICATIONS

(TRIM NOT SHOWN)

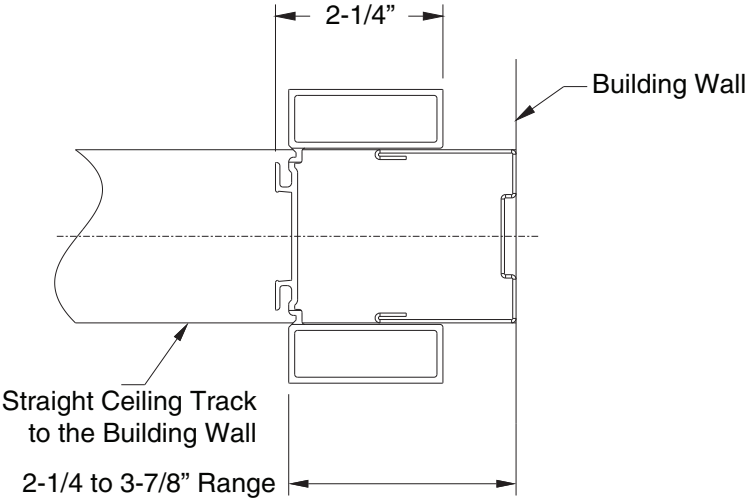
CEILING TRACK  
INSTALLATION (cont.)

CEILING TRACK EXTENDS TO THE  
BUILDING WALL. REFER TO ASSEMBLY  
DIRECTION 939502322 FOR  
INSTALLATION PROCESS.

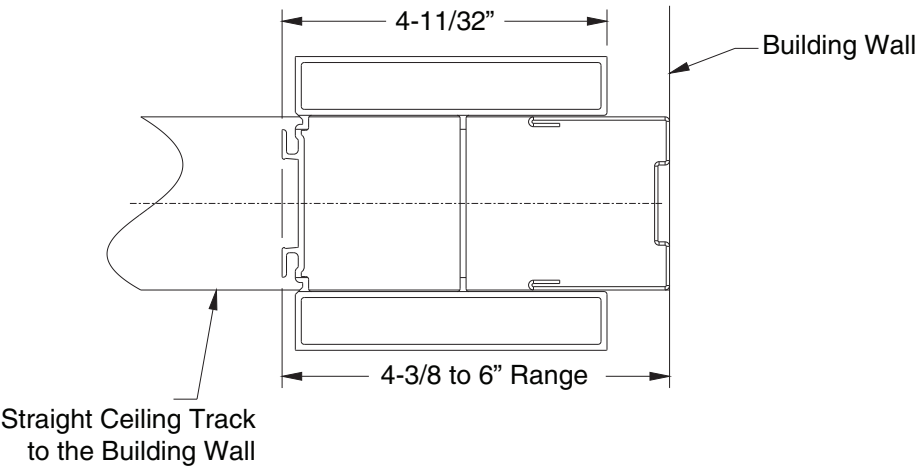
WALL START



MEDIUM MINI-END



LARGE MINI-END





## WHERE TO START INSTALLING STRUCTURE

Use the General Rule of 4-3-2.

Because it's easier to adjust in two directions rather than 3 or 4, start with the largest junctions in any given layouts.

Using Figure 1 for an example:  
Start with the 4-way junction and work toward the 3-way junctions in all directions, then work toward the 2-way junctions.

**FIGURE 1**

