

# TILTON

## COFFERED CEILING S

Simple and Easy to Purchase and Install

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## CEILING & WALL PLANKS INSTALLATION MANUAL

### SQUARE-EDGE PLANKS

Compared to drywall (which includes steps of taping, mudding, sanding, and painting at 2-3 times per step) installing Square-Edge Planks is a much quicker, easier and cleaner process for finishing Ceiling & Wall surfaces that provides a more attractive final appearance.

#### ACCLIMATION & PREPARATION:

1. Upon delivery immediately remove the Square-Edge Planks from their packaging and move them indoors where they can acclimate to the environment where they will be installed.
2. Allow the Square-Edge Planks to acclimate to the installation environment for at least 72 hours prior to installing. This will allow the planks to adjust to differences in moisture and temperature.

**PRO TIP:** Square-Edge Planks are intended for interior use, but may be used in DRY exterior environments where they are protected from direct contact with ANY wet weather such as rain or snow (i.e. on a covered porch ceiling). For these exterior type applications, you may skip the acclimation period.

3. Once the Square-Edge Planks have been acclimated, gather the following recommended materials to perform the installation:

#### Fasteners

##### Option A

15ga or 16ga finish nails:

### Option B

Your choice of type, style and color of #8 or larger screws.

*NOTE: When using screws, you must pre-drill the planks with the appropriate sized drill bit and countersink as required.*

### **Adhesive**

In addition to mechanical fasteners (i.e. nails or screws) it is recommended, but not required, that you use a construction adhesive such as [Loctite PL 510 Wood & Panel](#) or similar on the back of the planks for additional security.

### **Vapor Barrier**

A vapor barrier may be necessary when installing directly to the framing against exterior ceilings and/or walls (refer to your local building code requirements prior to installation).

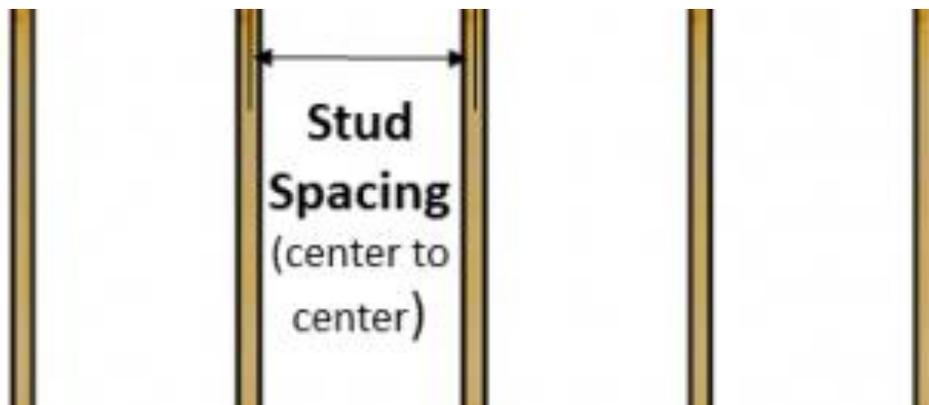
### **INSTALLATION – Preface:**

It is important to understand that no two Wood Planks are exactly the same and once received you will want to layout and select the most desirable planks for optimal positioning on your Ceiling or Wall. This does not apply to paint-grade, pre-primed or pre-painted planks.

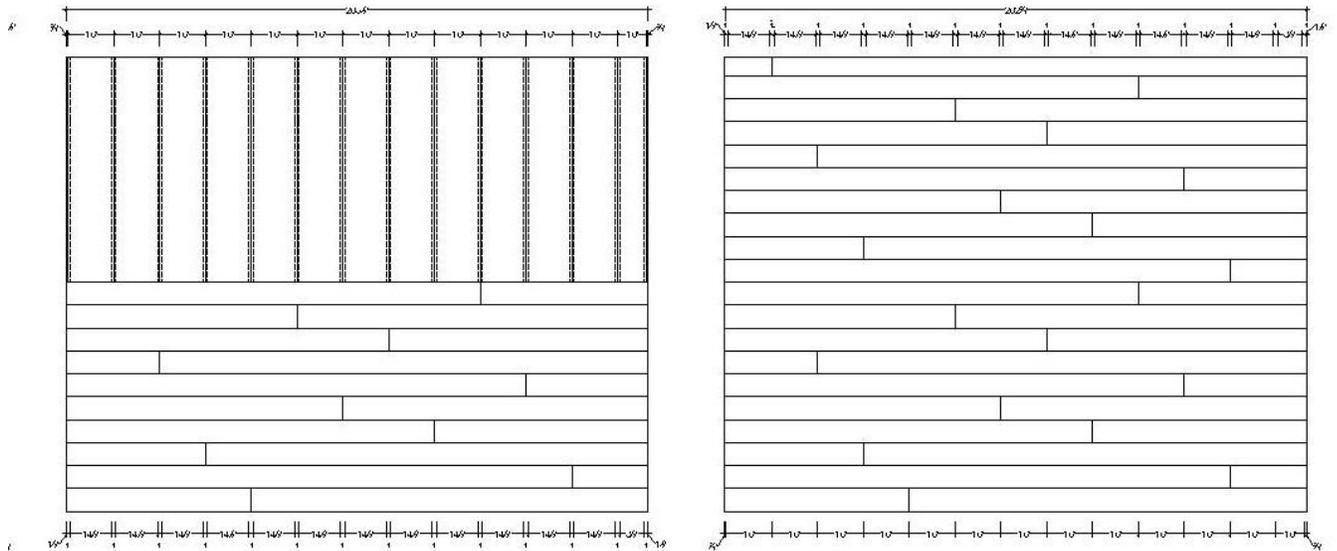
Square-Edge Planks are supplied in either specific or randomized lengths, but are not intended to be installed in all full-lengths (although possible depending on the application).

**PRO TIP:** The optimal installation and appearance is achieved by first understanding the spacing of your ceiling and/or wall framing (i.e. ceiling-joists and/or wall-studs).

Typical construction framing for both ceiling-joists and wall-studs is spaced at either 16" or 24" on-center.



Once you have identified the on-center joist or stud spacing, your Shiplap Planks will need to be cut to lengths which conform to that spacing to ensure that the end-to-end seams (aka butt-joints) land centered on a joist or stud and be fastened at each of the joist or stud locations as required for proper installation.



**END-TO-END SEAMS/JOINTS MUST LAND ON JOISTS OR STUDS**

**For Example:**

**16" On-Center Spacing**

Planks will be cut into incremental lengths of 16" such as:

16" – 32" – 48" – 64" – 80" – 96"

**24" On-Center Spacing**

Planks will be cut into incremental lengths of 24" such as:

24" – 48" – 72" – 96"

**PRO TIP:** Always add 15% to the actual total square footage of ceiling and/or wall area you will be covering to account for waste, cuts, and to achieve an optimal layout.

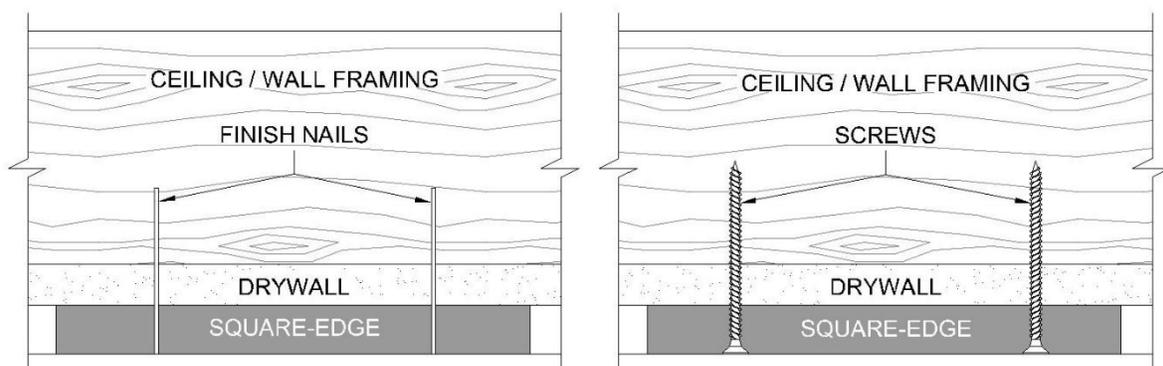
**INSTALLATION – Perpendicular to Ceiling and/or Wall Framing:**

1. Cut the Square-Edge Planks to length so that end-to-end seams/joints fall centered on a joist or stud.

2. Position the first row of Square-Edge Planks perpendicular to the ceiling or wall framing. Leave a 1/4" space between the side edge of the planks and the wall or floor and a 1/8" space between the ends of the planks where they meet with any perpendicular surfaces (i.e. walls or inside corners).

**PRO TIP:** It is easiest to start at the low point of a vaulted ceiling or at the base of a wall so that gravity is on your side while installing the Square-Edge Planks. It is also important that the first row of planks is set parallel, square and/or level to ensure proper installation of the remaining planks across the entire area.

3. Once properly positioned secure the first row of planks in place with your choice of fasteners driven through the face of the planks at each of the framing joist or stud locations.
4. Make sure that the fasteners (nails or screws) pass through the plank and penetrate into the framing as per the following illustration:



*Face nailing and/or screwing of traditional square-edge planks is a necessary and acceptable practice.*

5. When you reach the final row, rip-cut the Square-Edge Planks on a table saw to the required width to fit the remaining space. Face nail or screw the final planks in place to complete the installation.