

## Introduction

Enter **ILLUSIONS<sup>®</sup> + GLOW<sup>™</sup>** a new lighted ceiling design brought to you by **USG Ceilings Plus<sup>®</sup>**. In this manual we'll show you how to perform the installation the right way, the first time, with confidence.

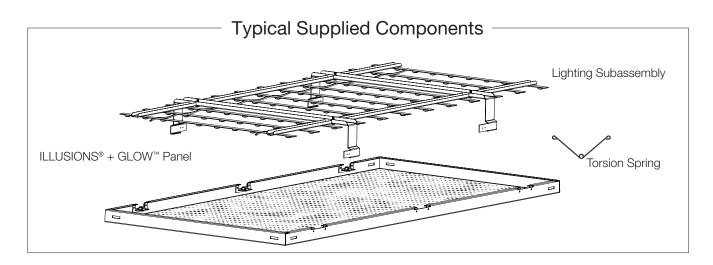
The purpose of this installation manual is to provide you with general steps and procedures on how to properly and safely install the **ILLUSIONS® + GLOW™** ceiling system and address various field conditions.

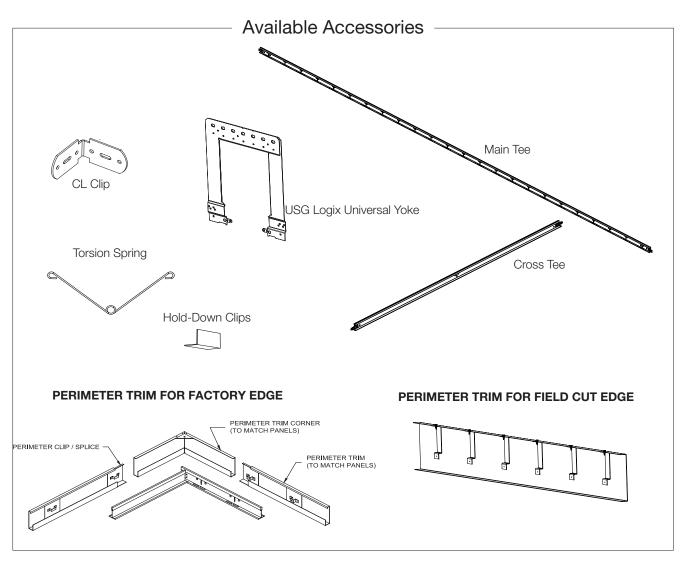
Please read this entire manual and familiarize yourself with all procedures before you begin. If you have been supplied with project drawings specific to your order, make sure you have a thorough understanding of those. Any details within those documents will supersede this manual. Work area must be clear of debris and obstacles to ensure a safe and fast installation.

Please work safely!

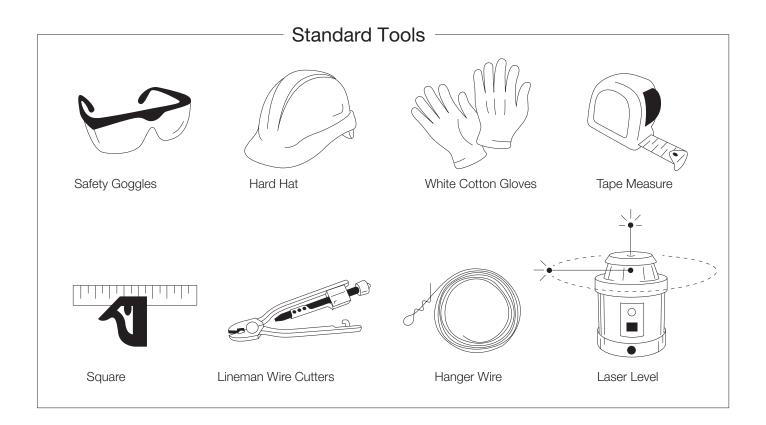
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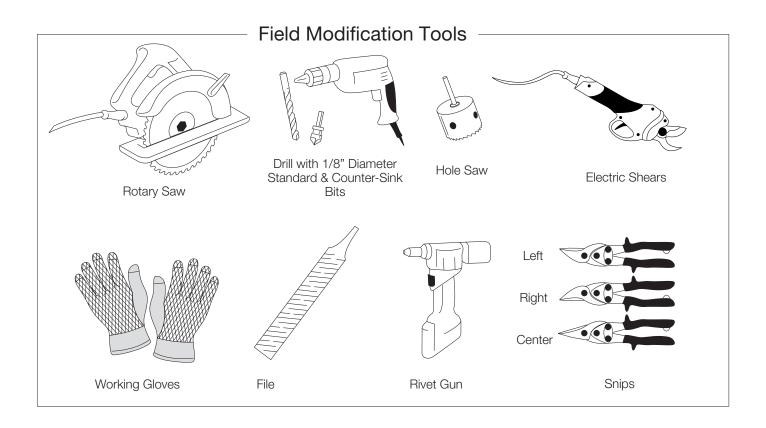
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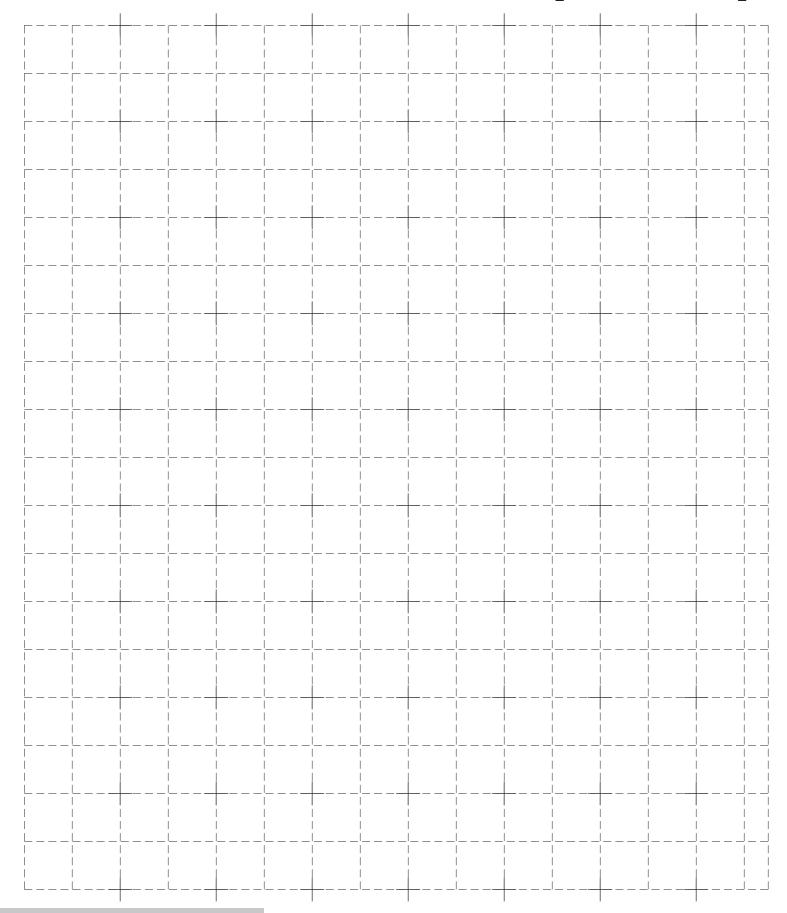
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**Grid Planning** Blank Grid

Crosses @ 4'& ,Dashed Lines @ 2'&



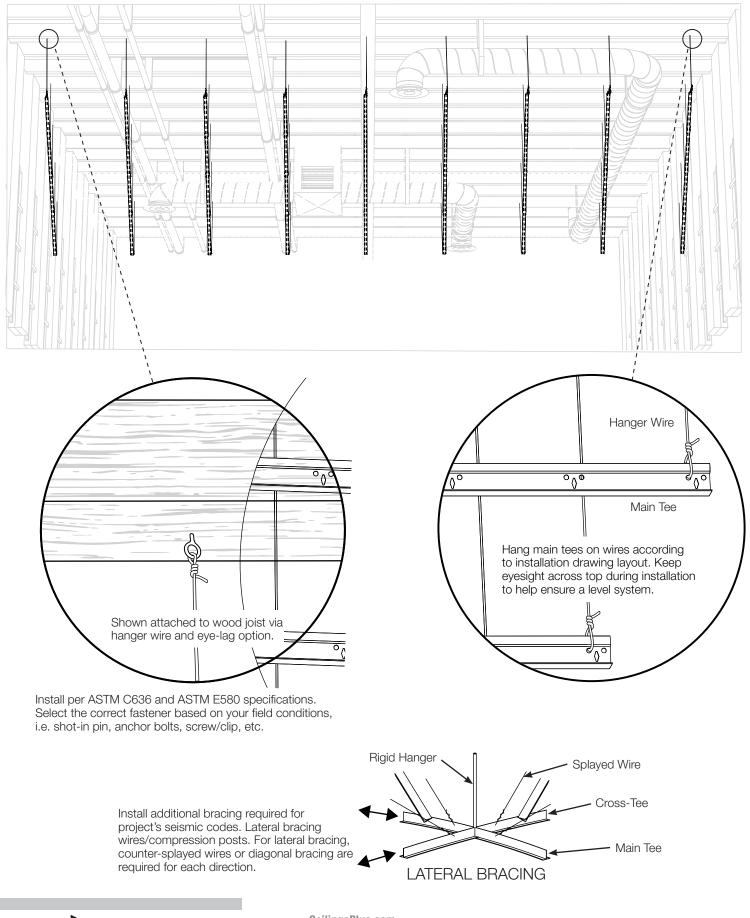
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**Grid Planning** Blank Grid

### Crosses @ 4'ඥ ,Dashed Lines @ 2'ඥ

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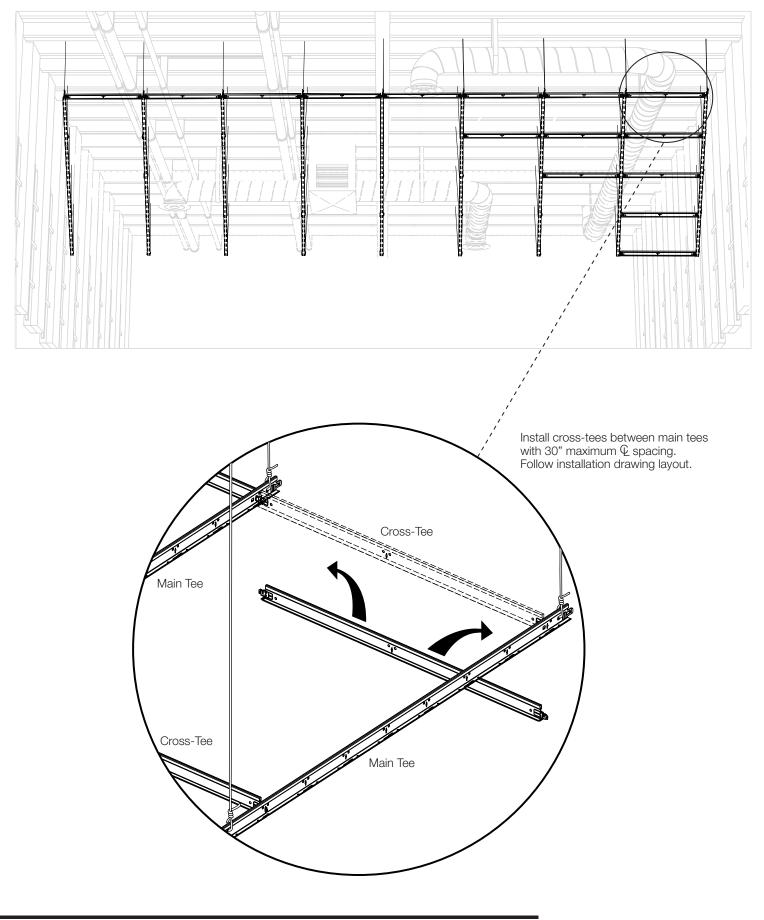
#### **General Installation** Install Hanger Wire & Main Tees



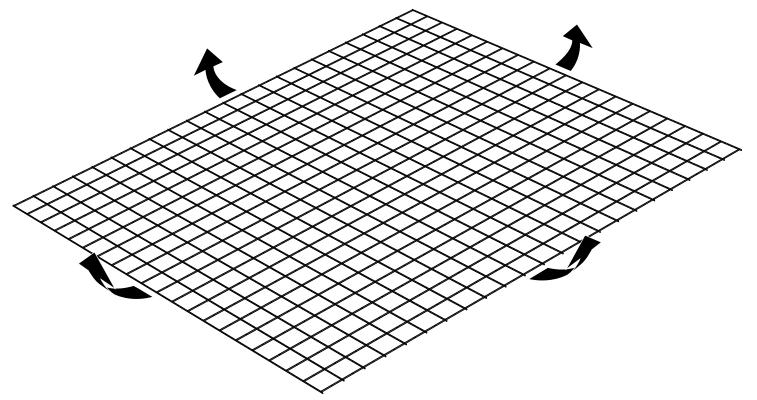
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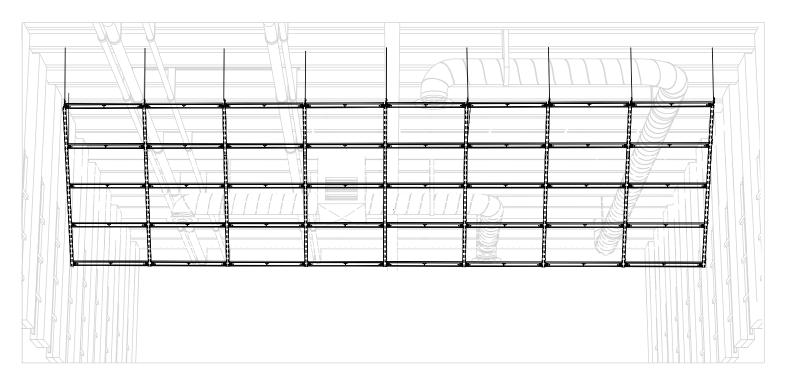
#### General Installation Install Cross Tees



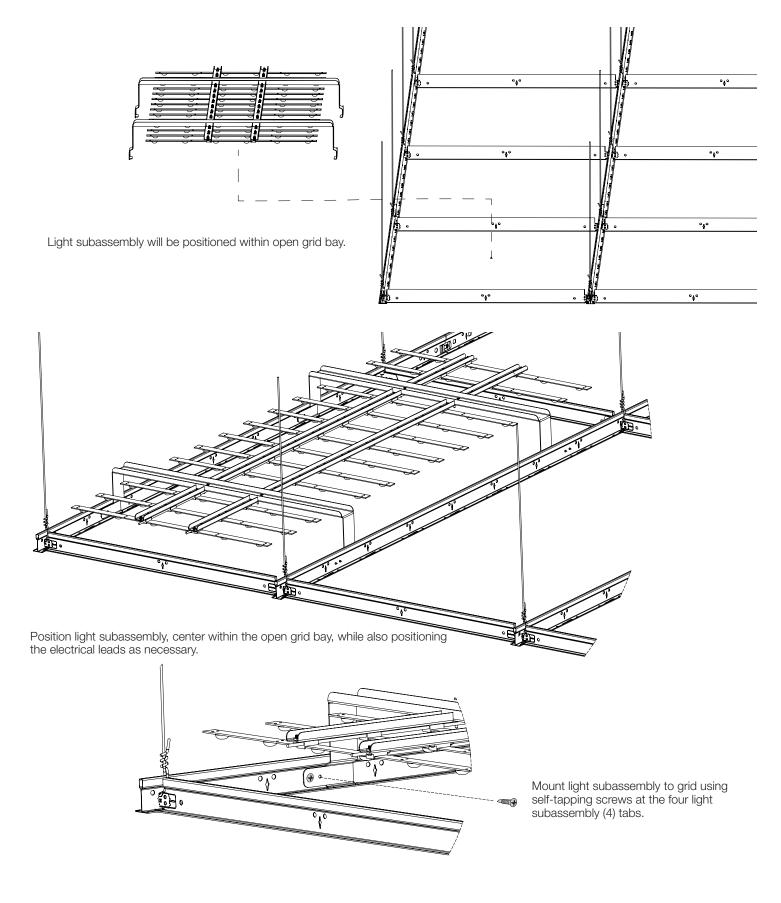
#### General Installation Level Grid System



Use laser level to ensure whole grid is leveled to a 1/8" maximum variance.

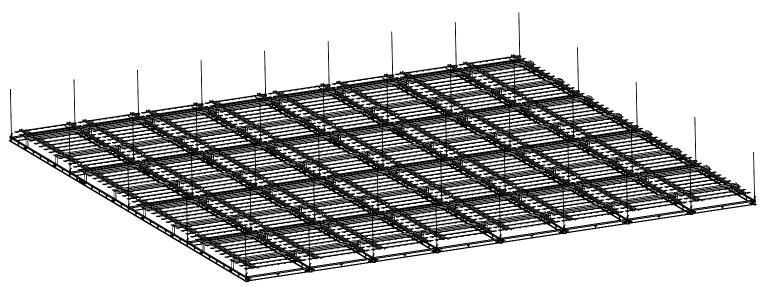


#### **General Installation** Light Subassembly Installation



#### General Installation Light Drivers Installation

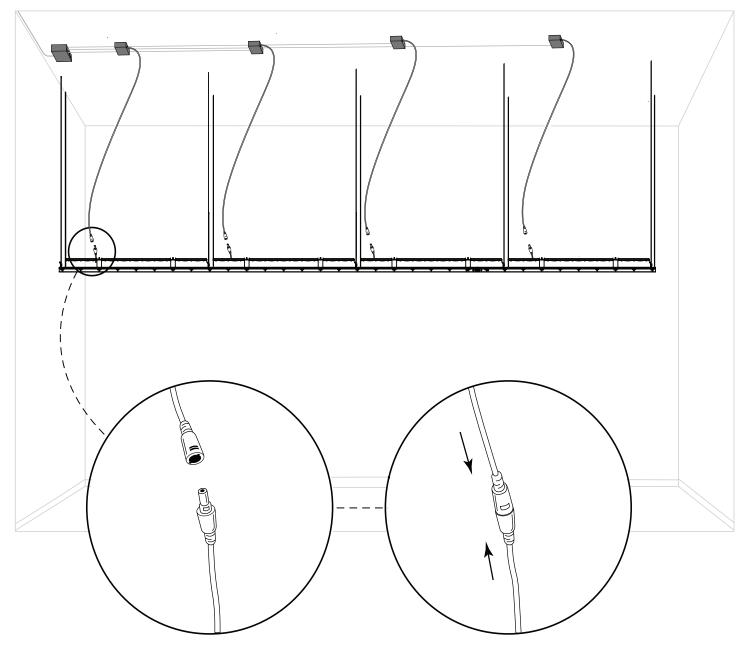
Mount light subassemblies to remaining open grid bays.





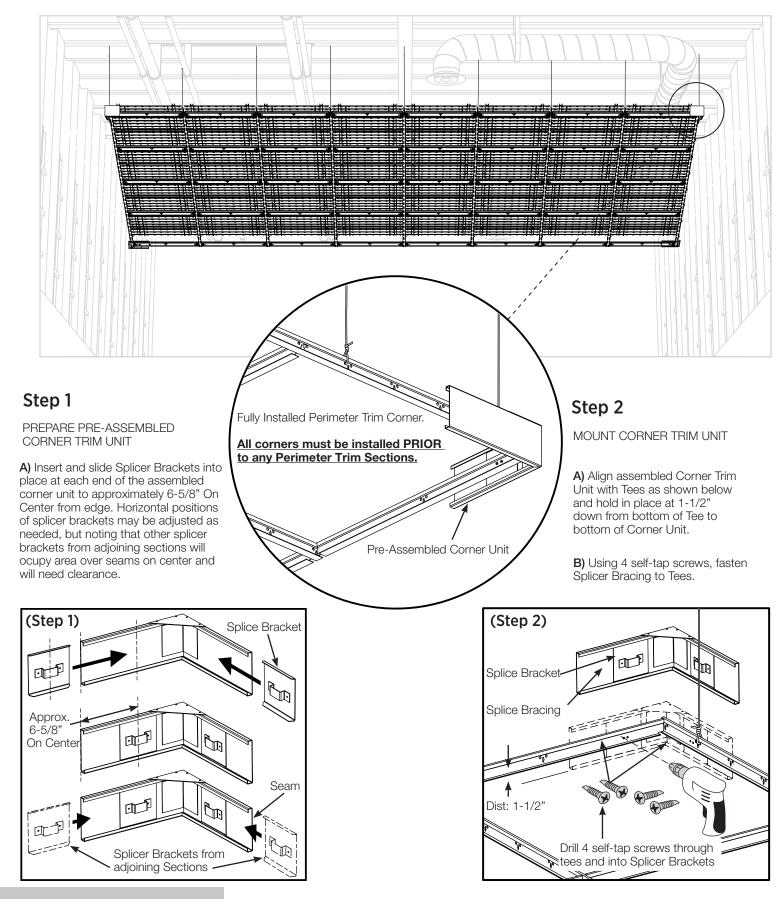
Mount electrical drivers. Driver locations are shown for reference only. Final location will be determined by electrical contractor.

#### **General Installation** Light Drivers Connection



Connect electrical drivers to light subassemblies.

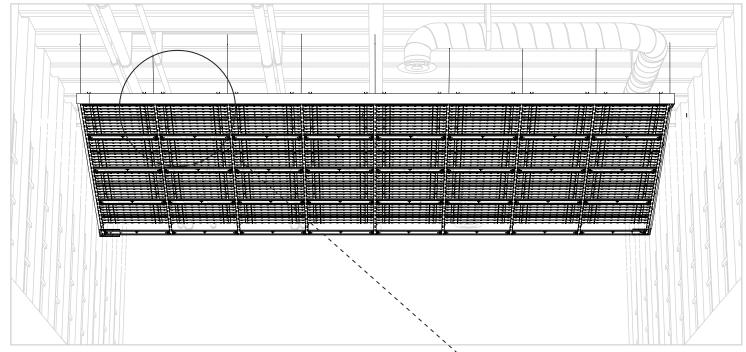
#### **General Installation** Install Perimeter Trim Corner Units



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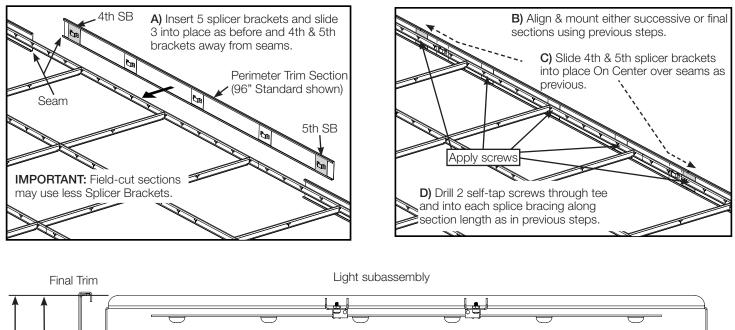
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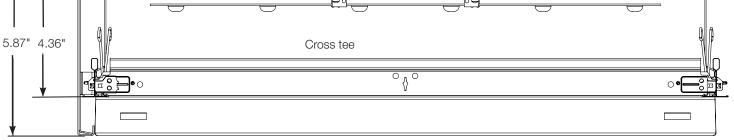
#### **General Installation** Install Successive & Final Trim Sections



#### MOUNTING BRIDGE SECTIONS

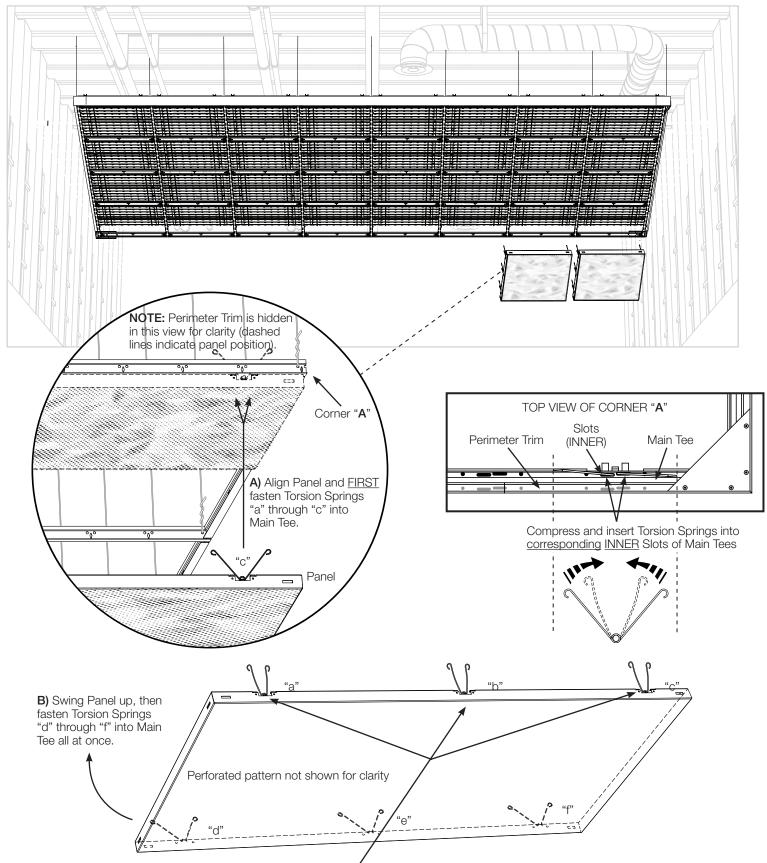
NOTE: Image below may represent a "successive", a "final", or a "Field-Cut" Section mounting procedure (same rules apply).





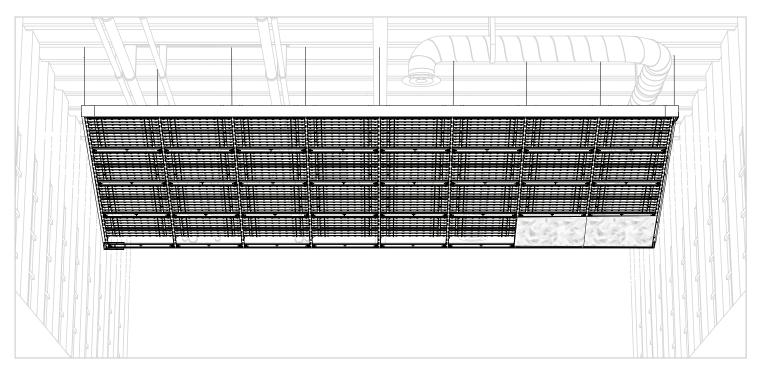
See dimensions for Trim reference. View includes perforated panel for reference

#### General Installation Install Illusions Panels



**IMPORTANT:** One side of Panel features Notches which allow for it to hinge down temporarily <u>prior</u> to fastening Torsion Springs on opposite side. <u>This side of Panel must be fastened first</u>. This functionality also provides for plenum access after full installation.

#### **General Installation** Install Remaining Illusions Panels

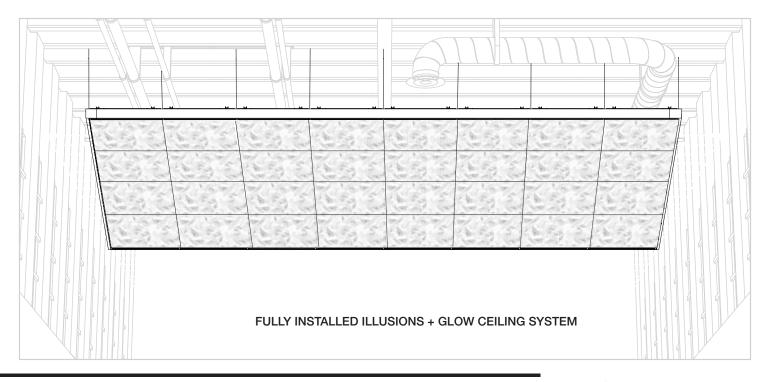


C) Continue installing <u>all successive Panels adjacent to Perimeter Trim</u> using previous procedures.

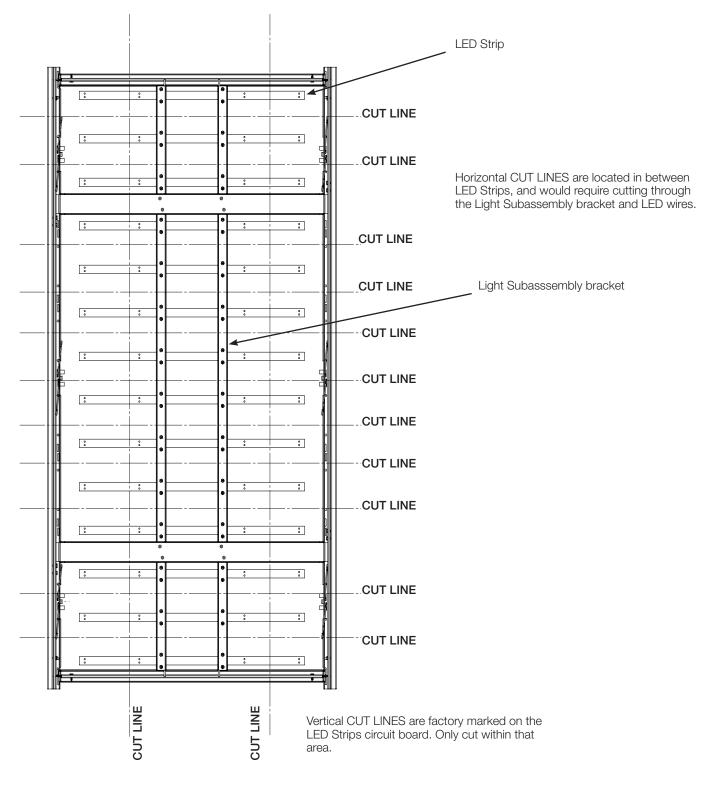
**D)** Once <u>all</u> perimeter-adjacent panels have been installed, proceed with with next round of panels, working inward towards center. **NOTE:** It is important to work from perimeter to center, to prevent fastening of Torsion Springs to incorrect Slots. Working inward will make clear which row of slots is next.

**E)** INSPECT INSTALLATION:

- Make sure all hanging-wire and supports are properly connected.
- Make sure grid is leveled and all electrical connections are secure.
- Check for any scratches and smudges and address accordingly.
- Sign off.

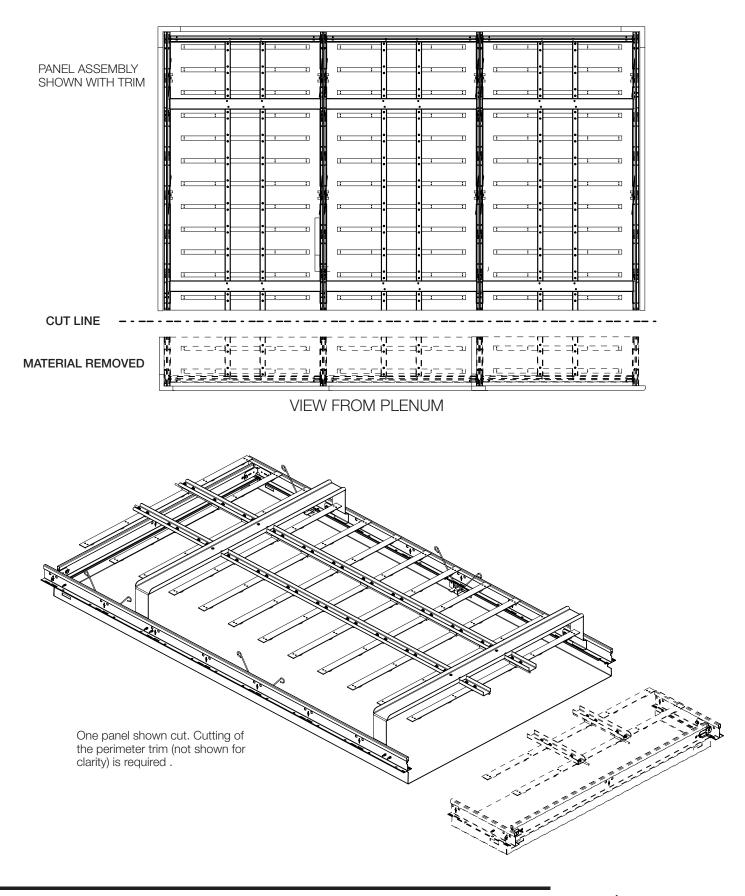


#### Perimeter Condition Field cut options

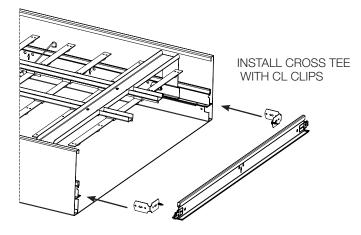


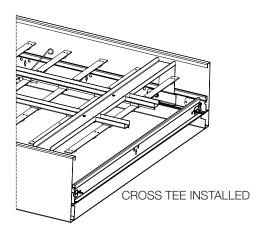
VIEW FROM PLENUM

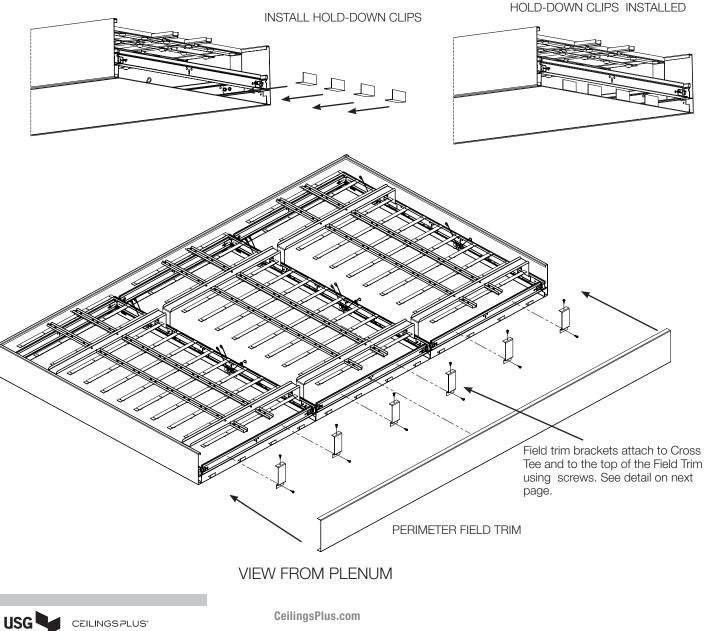
#### Perimeter Condition Field cut - End



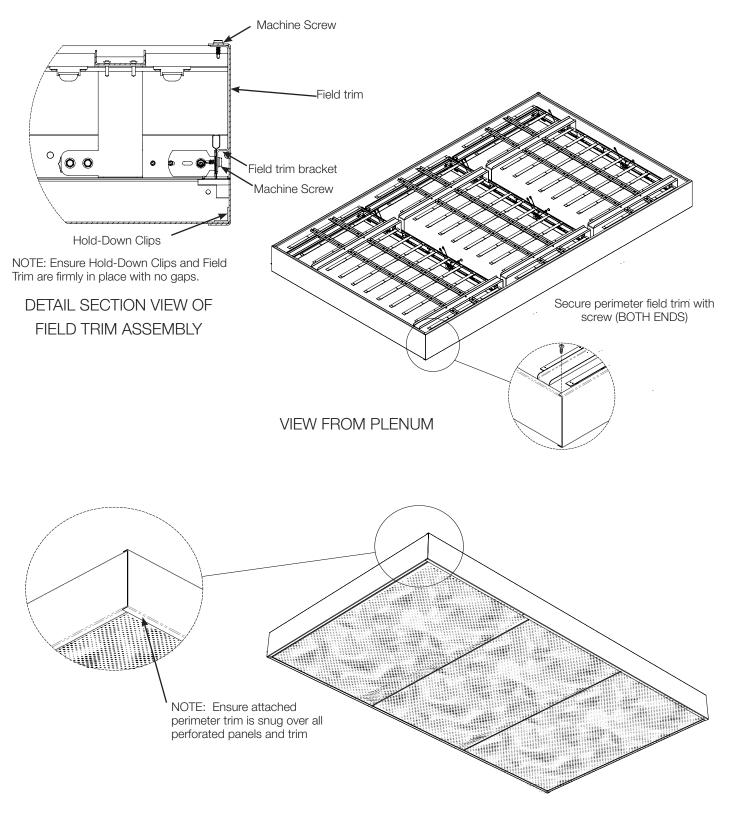
#### **Perimeter Condition** Cross tee installation





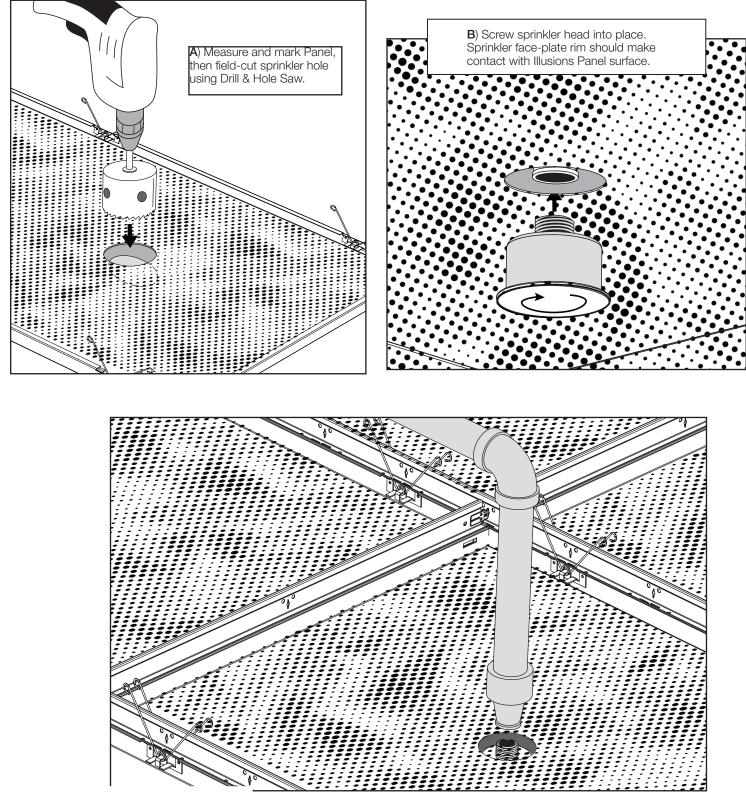


#### **Perimeter Condition** Attaching perimter trim to cross tee



FULLY MODIFIED ILLUSIONS + GLOW CEILING SYSTEM

#### **MEP Integration** Fire Sprinklers Integration

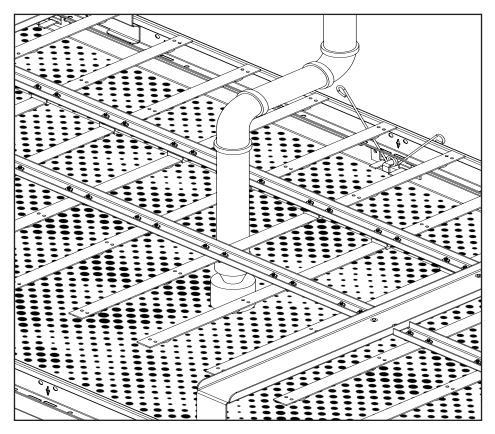


**Note:** Sprinkler installation type is for "Concealed Pendent".

LIGHT SUBASSEMBLY NOYT SHOWN FOR CLARITY (view from plenum)

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#### MEP Integration Sprinkler Integration Completed



LIGHT SUBASSEMBLY NOT SHOWN FOR CLARITY (view from plenum)

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COMPLETED INSTALLATION (view from floor)

**A.** Adjust ceiling components to provide a consistent finish and appearance in conformity with established tolerances and requirements.

**B.** Clean exposed surfaces of acoustical metal panel ceilings and walls. Comply with manufacturer's written instructions for cleaning and touch-up of minor finish damage.

**C.** Remove and replace work that cannot be successfully cleaned and repaired to permanently eliminate evidence of damage, including dented and bent units.

Support Contacts

Contact your sales rep for any additional support.

### Notices

#### SAFETY

Safety First! Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read MSDS and literature before specification and installation. Be cautious with exposed sharp edges when handling ceiling system components.

#### INSTALLATION

Prior to installation, make sure your project complies with any seismic & non-seismic requirements. Must be installed in compliance with ASTM C636, ASTM E580, utilizing standard industry practices and adopting applicable code requirements. Alternative assemblies and installation methods may be utilized when approved by the authority having jurisdiction. USG Ceiling Plus recommends checking with the authority having jurisdiction prior to designing and installing a suspended ceiling system.

#### LIMITATION

Some commercially acceptable color variation may occur between lots and between different size products of the same color.

#### LIABILITY

We shall not be liable for any incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions of for other than the intended use. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered.



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