USG
Ceiling
Solutions



Architect: SmithGroup
Photo: ©Kevin Korczyk

# USG CEILINGS PLUS® COLORTEX™ BARZ®

## ACOUSTIC PANEL SOLUTIONS

**INSTALLATION GUIDE**

USG CEILINGSPLUS®

# Introduction

Enter **COLORTEX™ BARZ®** - Innovative ceiling designs brought to you by **USG Ceilings Plus®**. In this manual we'll show you how to perform the installation the right way, the first time. Go ahead, install with a smile..

The purpose of this installation manual is to provide you with general steps and procedures on how to properly and safely install **COLORTEX™ BARZ®** ceiling systems as well as how to 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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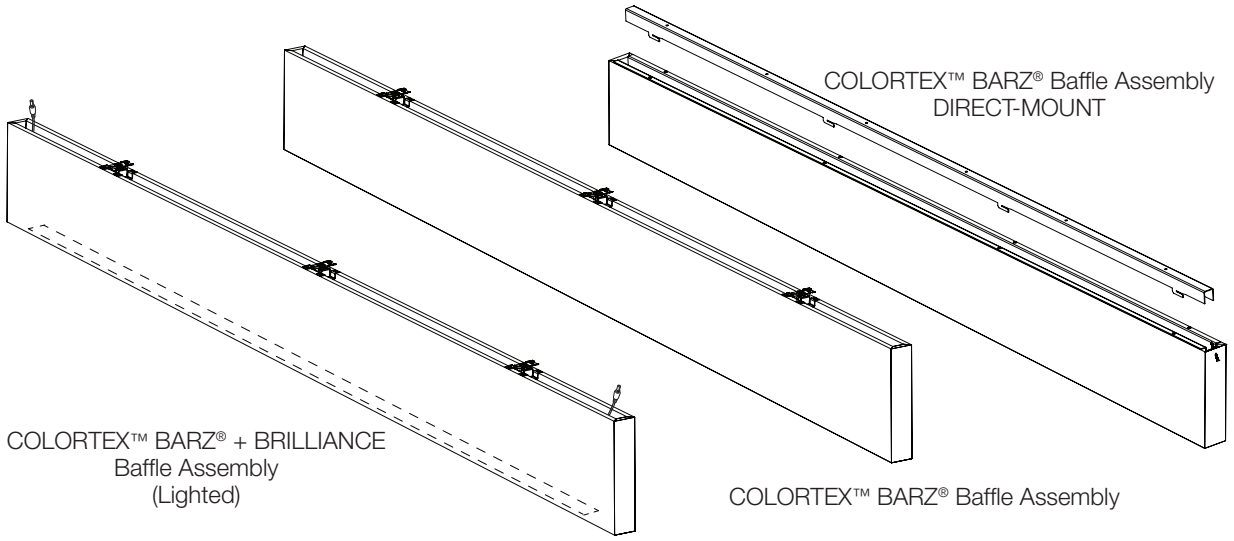
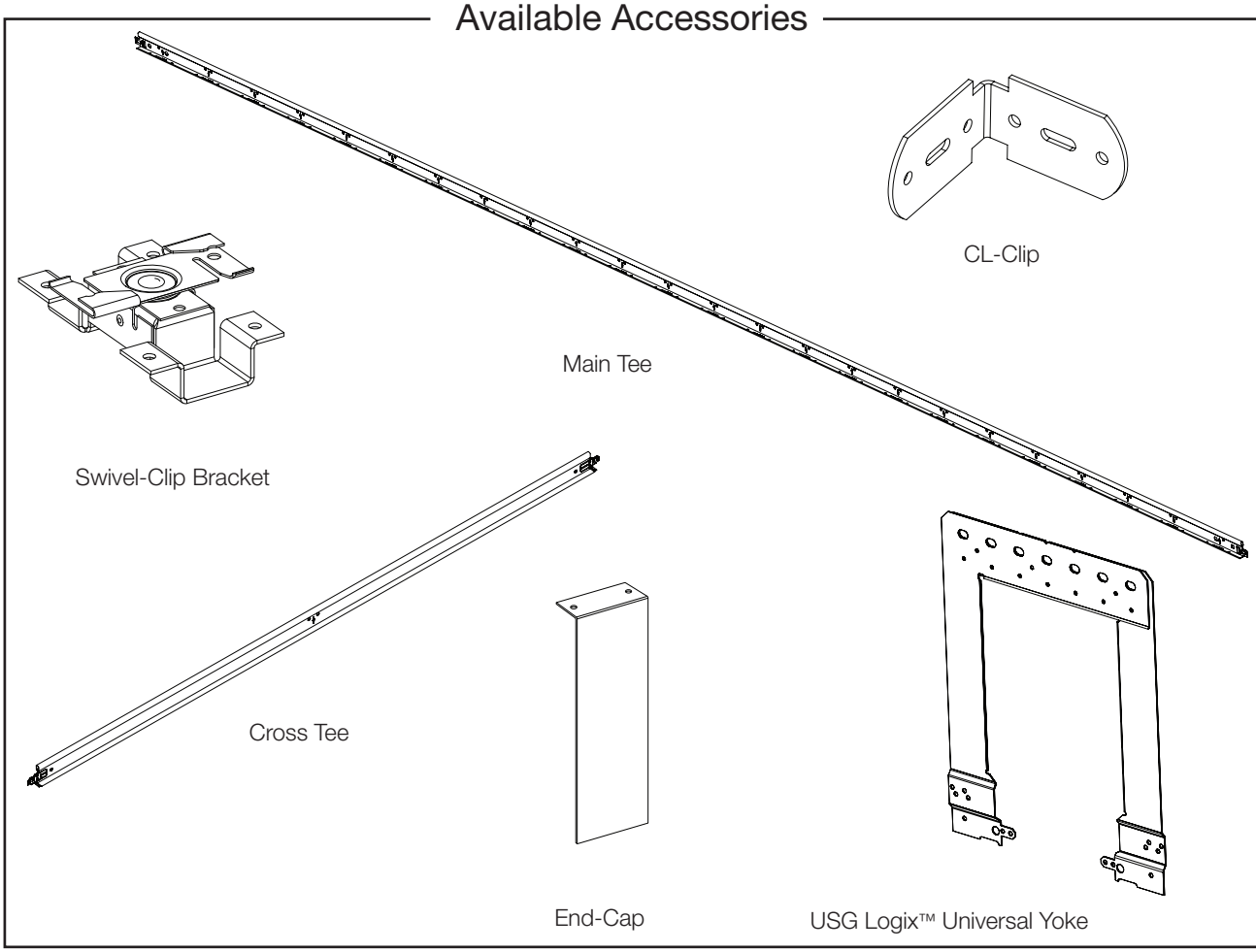
# Preparation

## Component Identification

### Typical Supplied Components

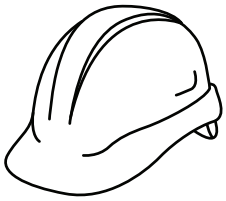



### Available Accessories

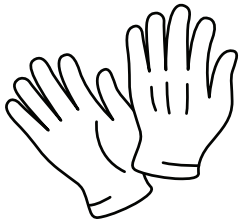


## Standard Tools

Safety Goggles

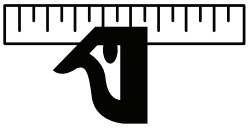


Hard Hat



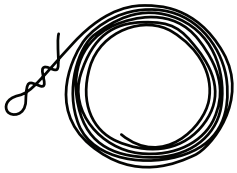
White Cotton Gloves

Tape Measure

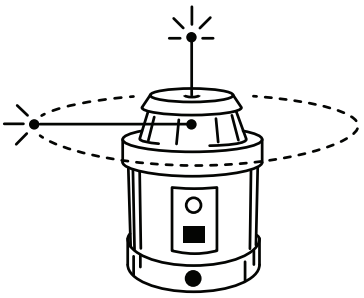


Square

Lineman Wire Cutters

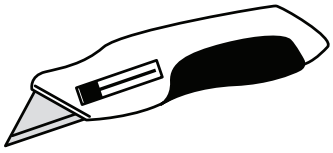


Hanger Wire

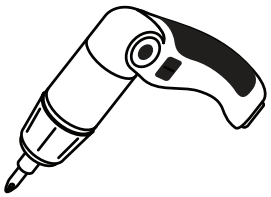


Laser Level

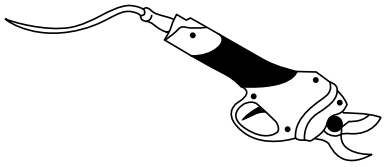
## Field Modification Tools



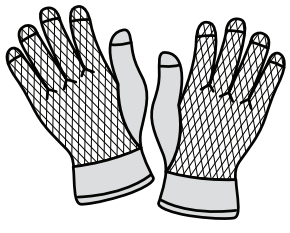
Utility Knife



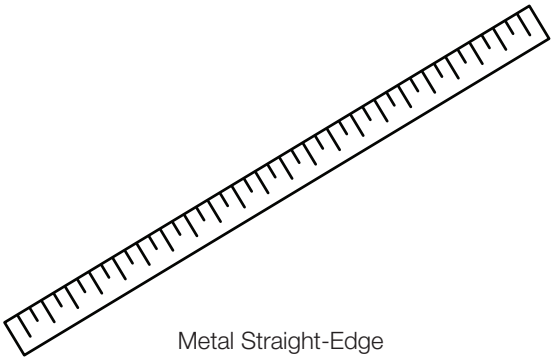
Electric Screwdriver



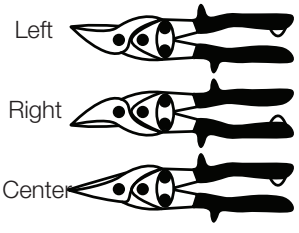
Electric Shears



Working Gloves



Metal Straight-Edge

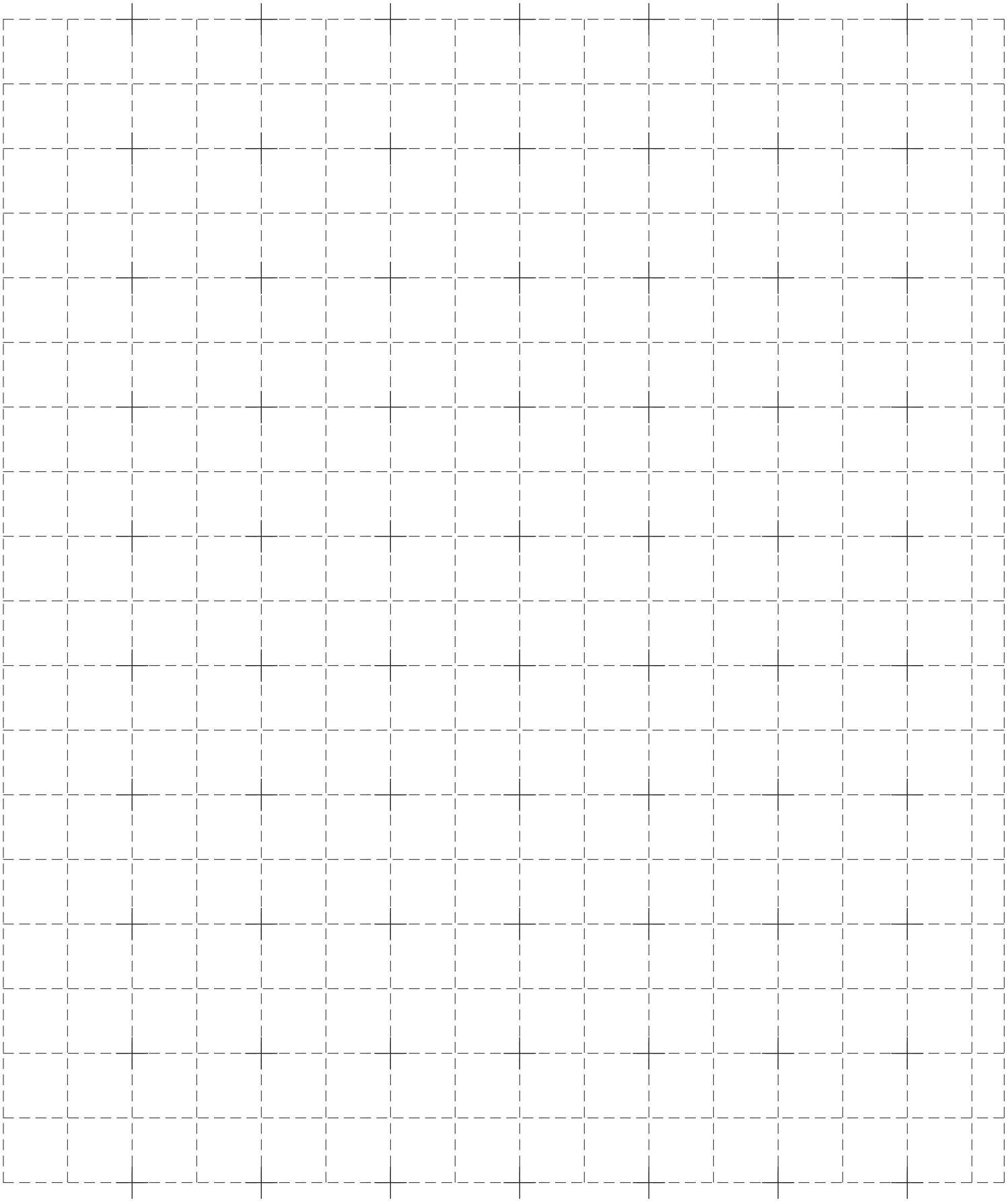



Snips

# Grid Planning

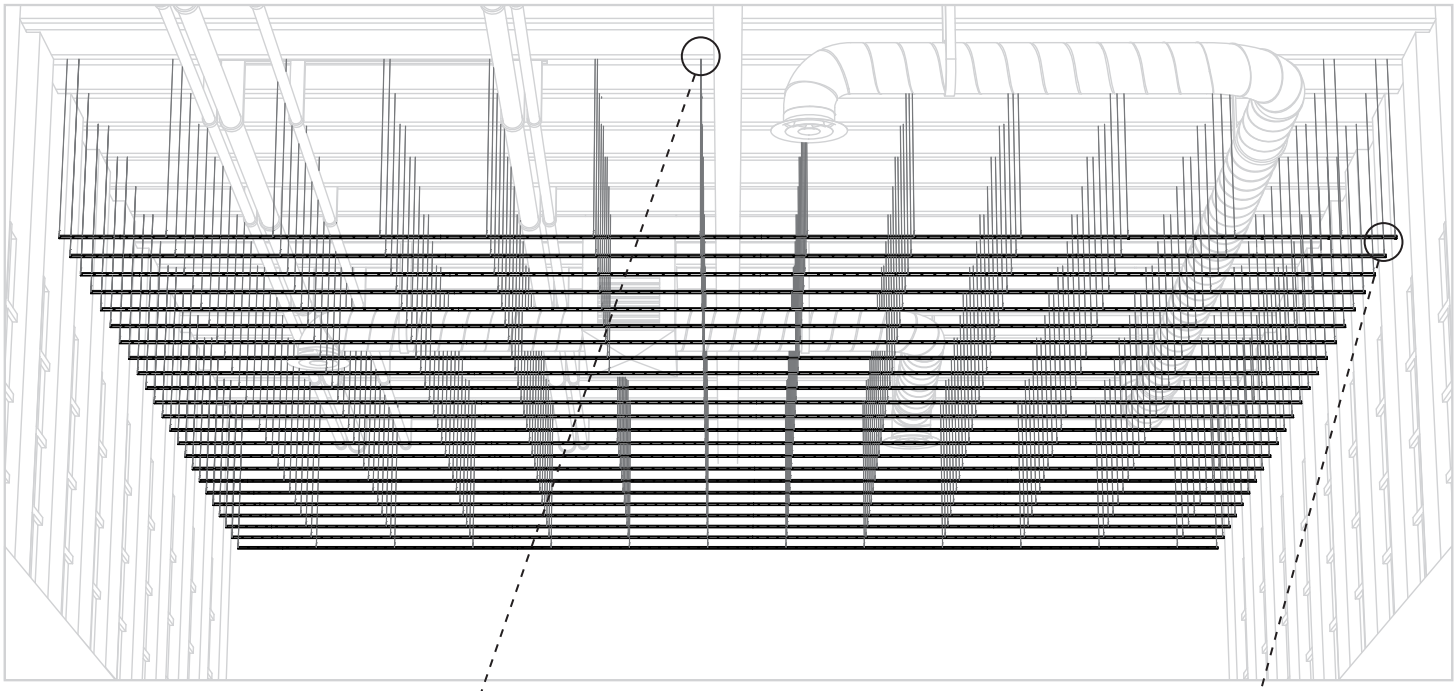
Blank Grid

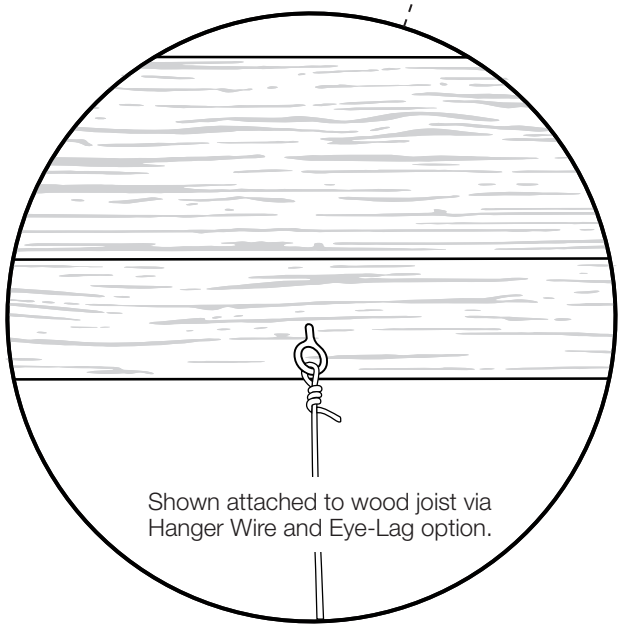
Crosses @ 4'℄ ,Dashed Lines @ 2'℄

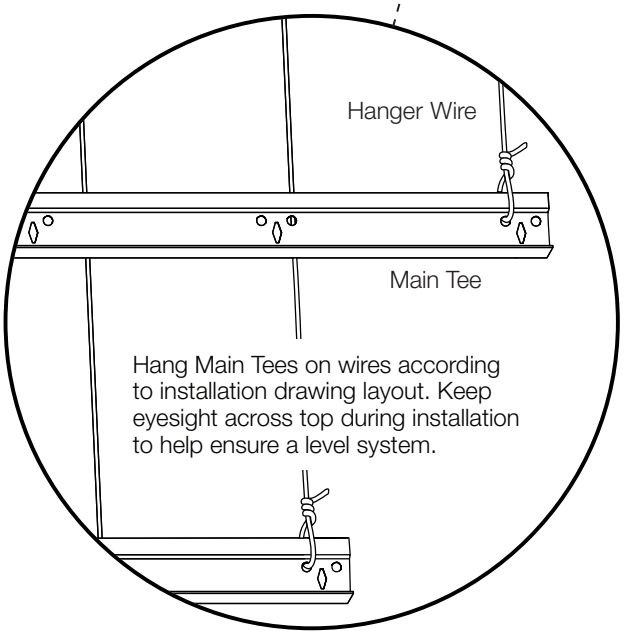


# General Installation

## Install Hanger Wire & Main Tees

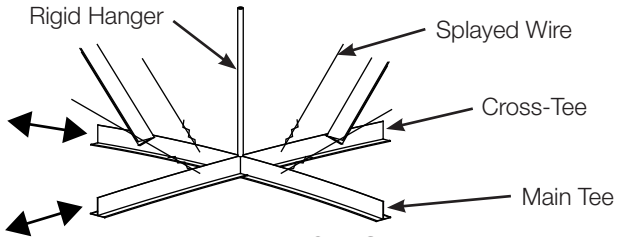





Install per ASTM C636 and ASTM E580 specifications. Select the correct fastener based on your field conditions, i.e. shot-in pin, anchor bolts, screw/clip, etc.

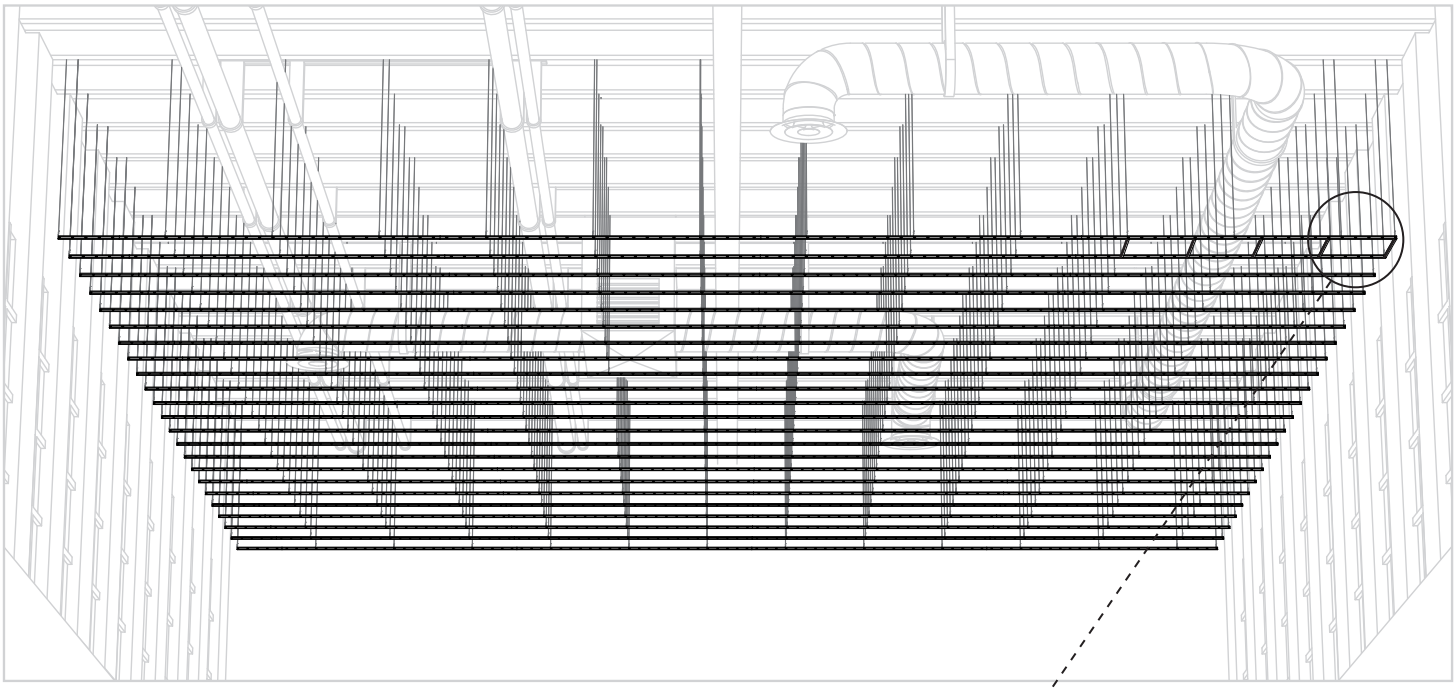
Install additional bracing required for project's seismic codes. Lateral bracing wires/compression posts. For lateral bracing, counter-splayed wires or diagonal bracing are required for each direction.



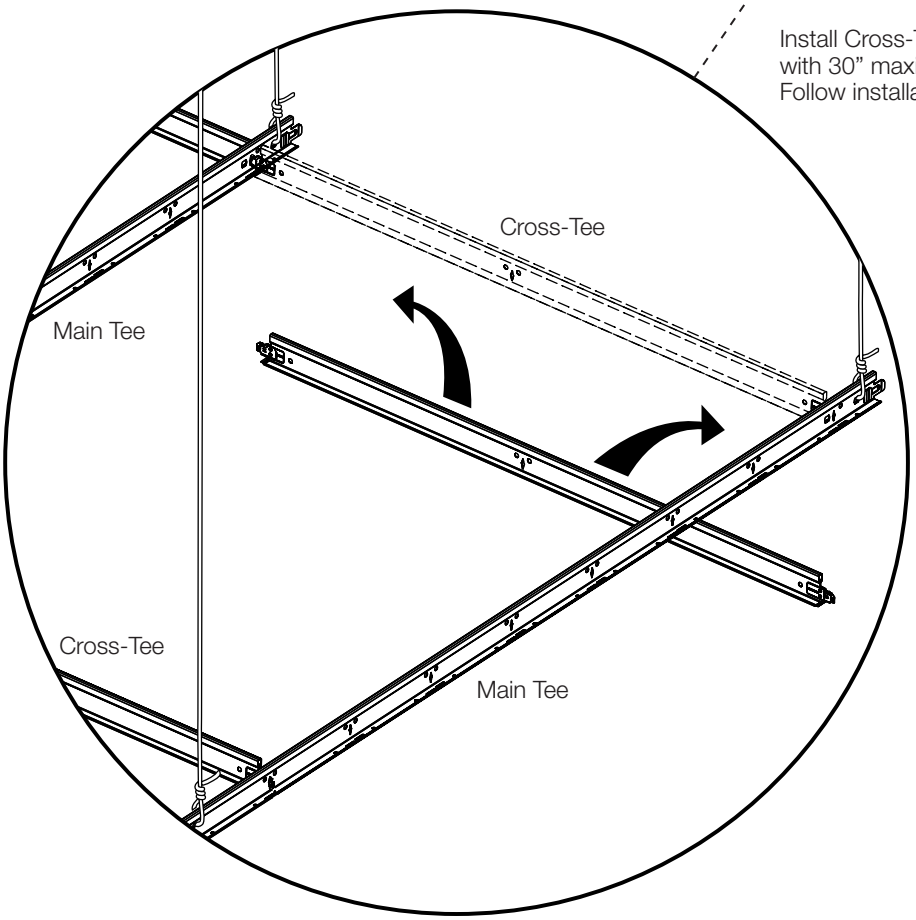

LATERAL BRACING

# General Installation

## Install Cross Tees

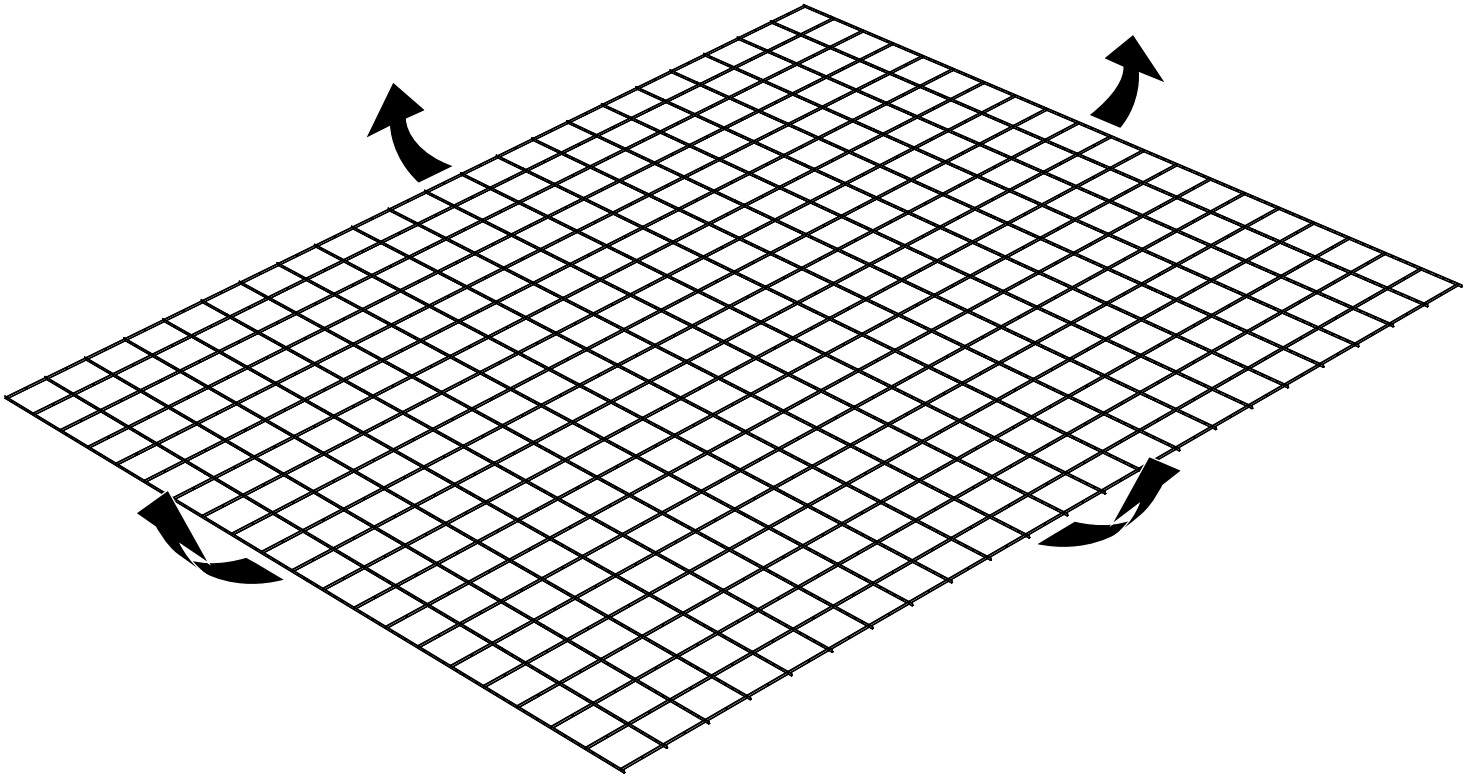


Install Cross-Tees between Main Tees with 30” maximum ℄ spacing. Follow installation drawing layout.

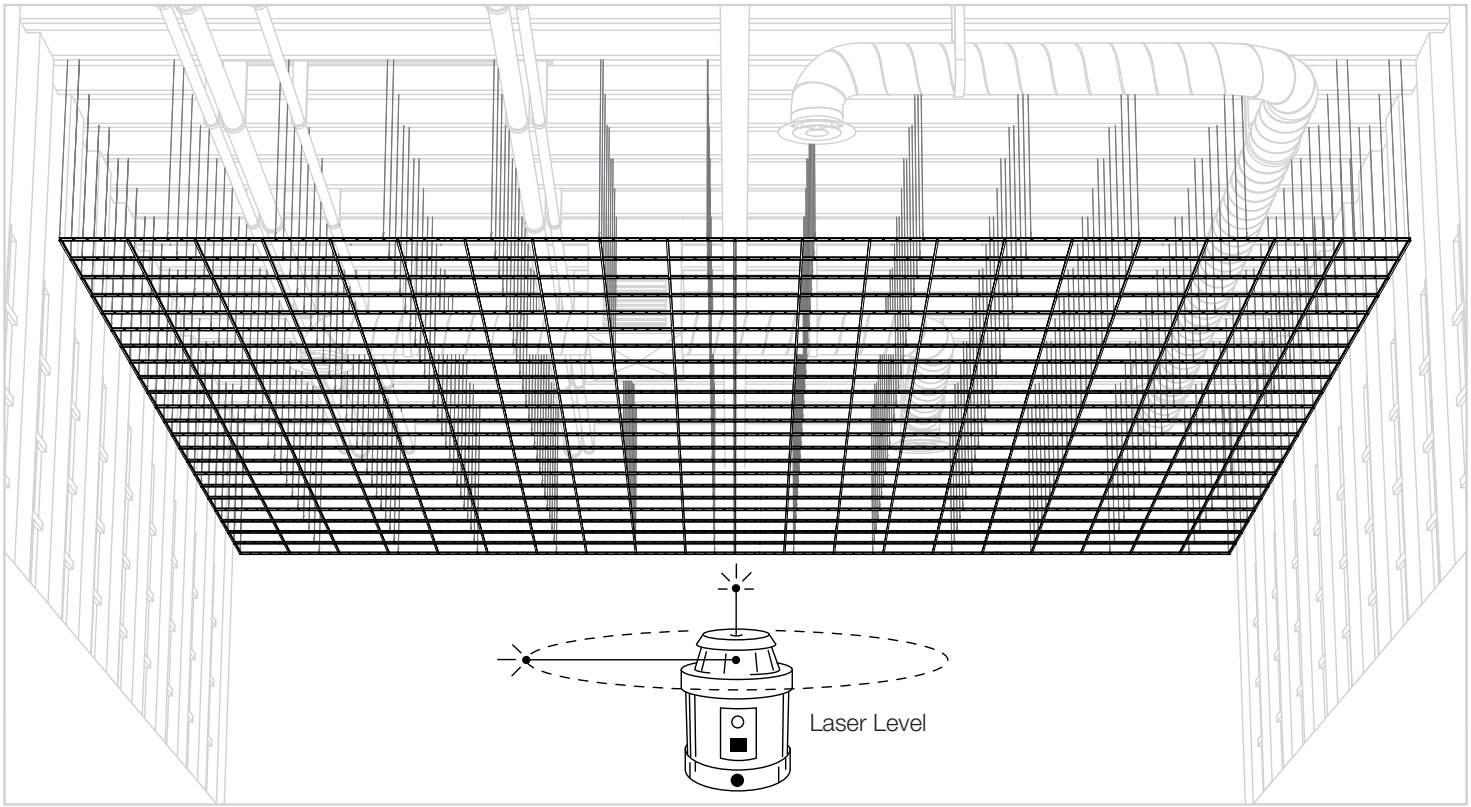


# General Installation

## Level Grid System

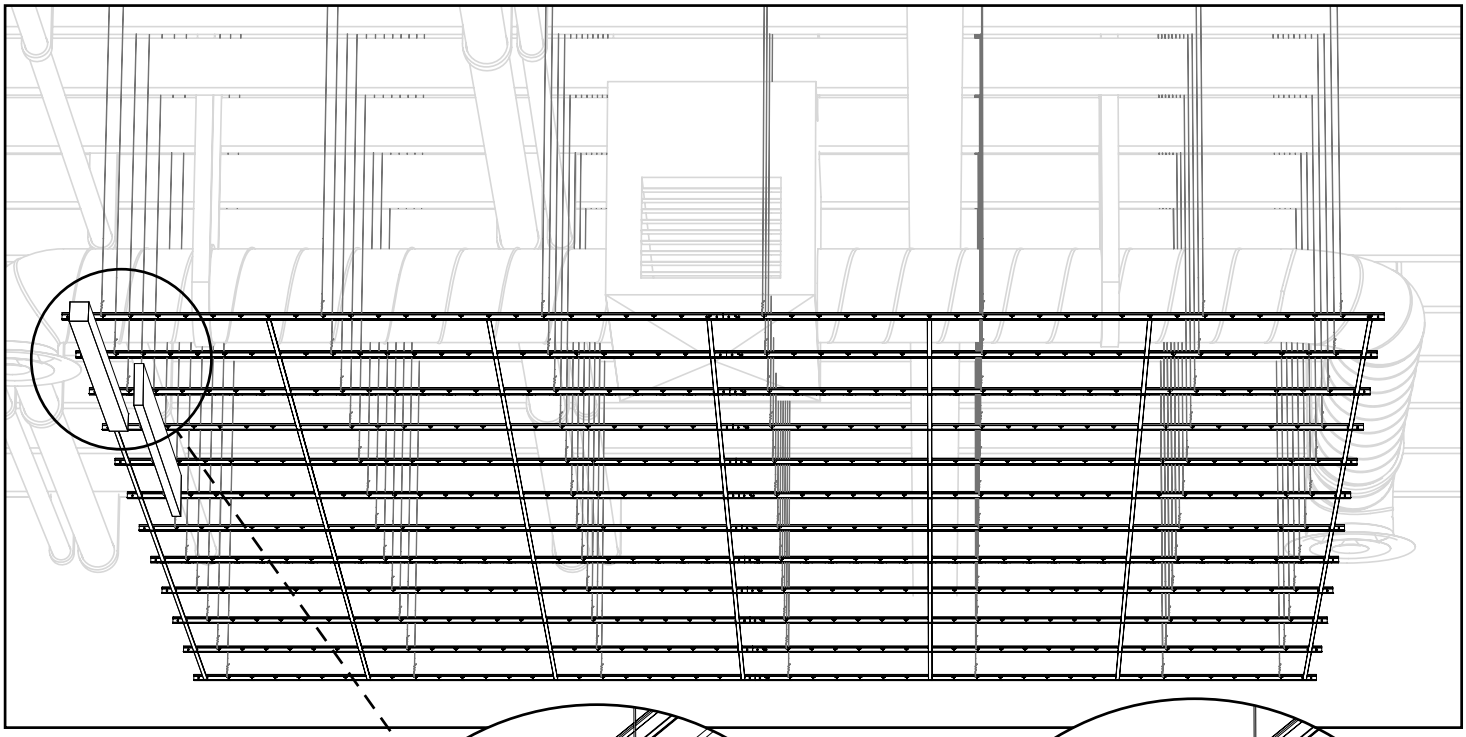


Use laser level to ensure whole grid is leveled to a 1/8” maximum variance.

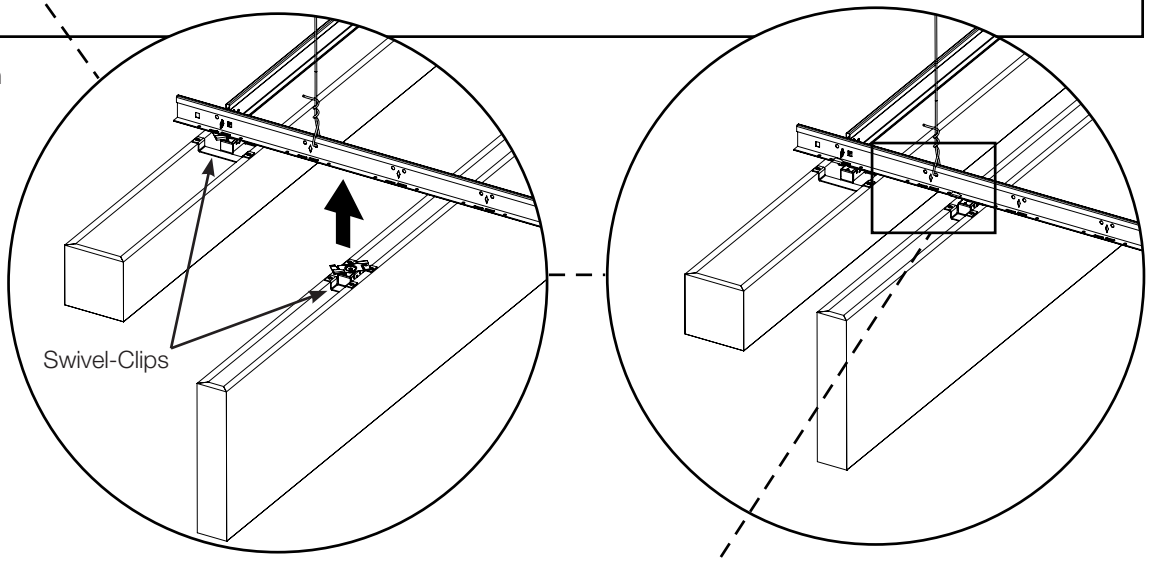


# General Installation

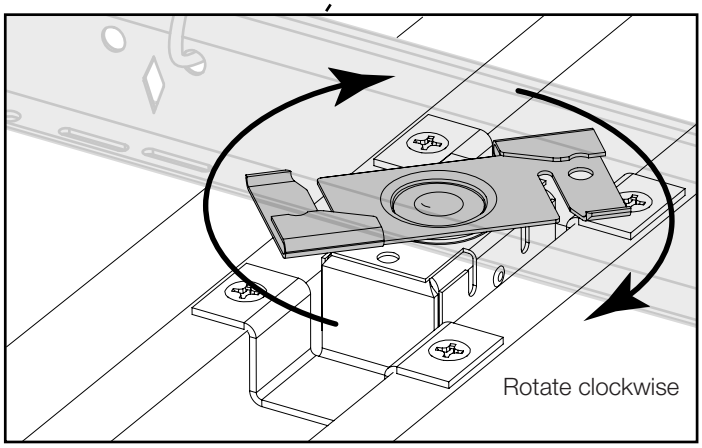
## Install Colortex™ Baffles



(A) Lift Baffles up into position with Swivel-Clips making contact with Main Tees.

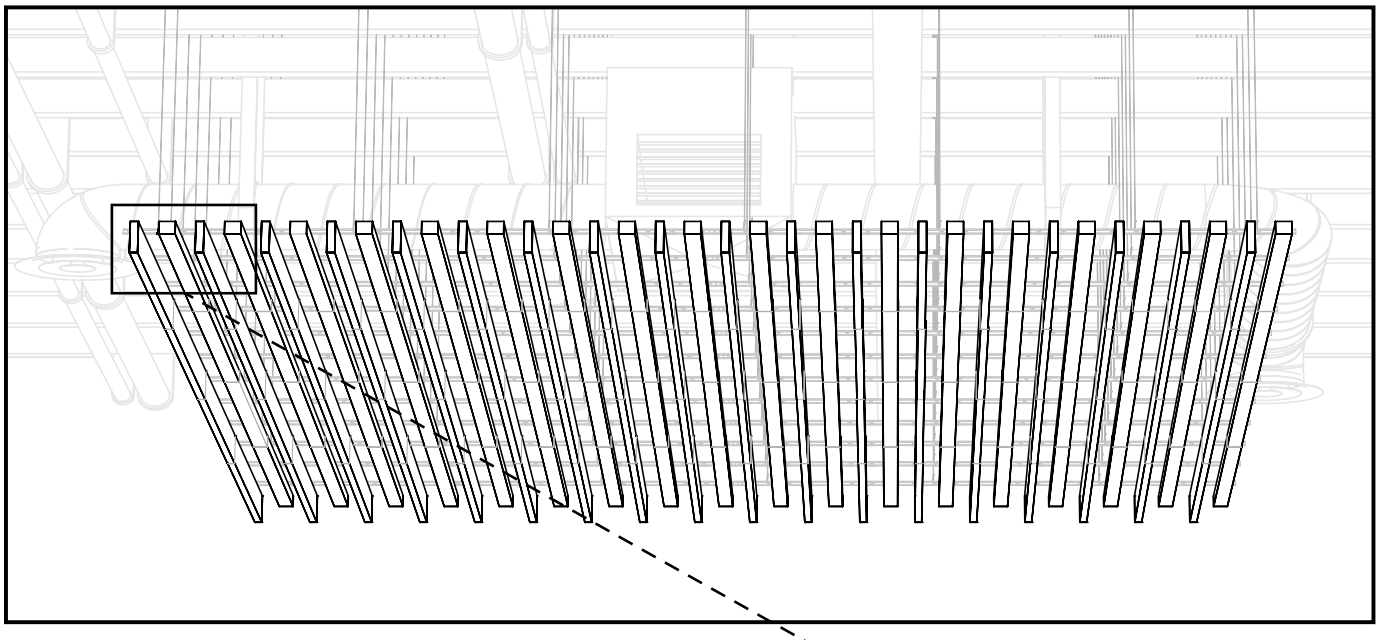



(B) Rotate Swivel-Clips clockwise to lock them onto Main Tees. Clips can still be slid along Main Tee for fine tuning spacing (see next page).

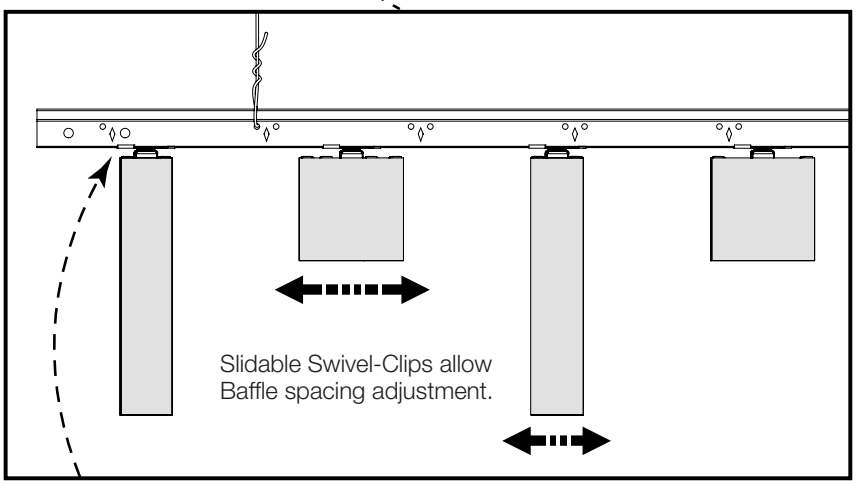


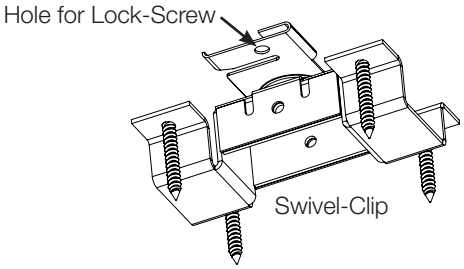
# General Installation

## Adjust Baffle Spacing

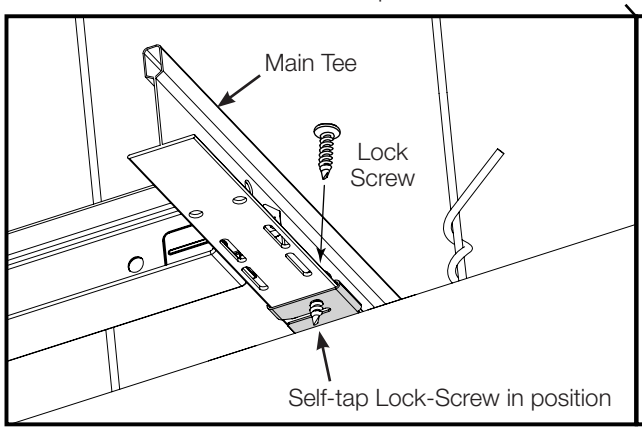


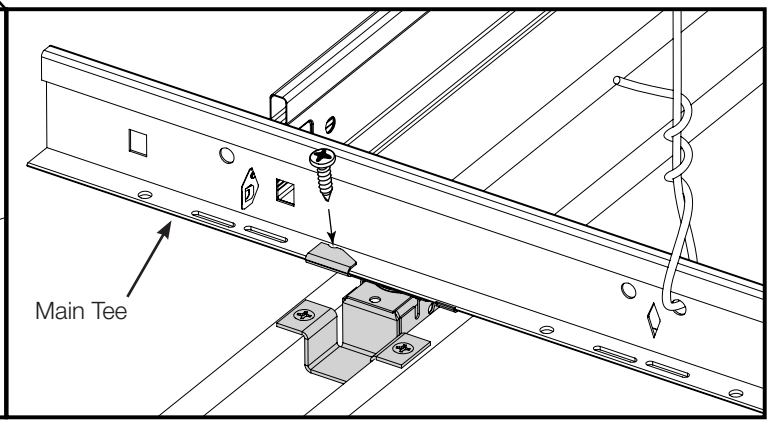
(**C**) Slide Swivel-Clips along Main Tee's length to adjust spacing between baffles.



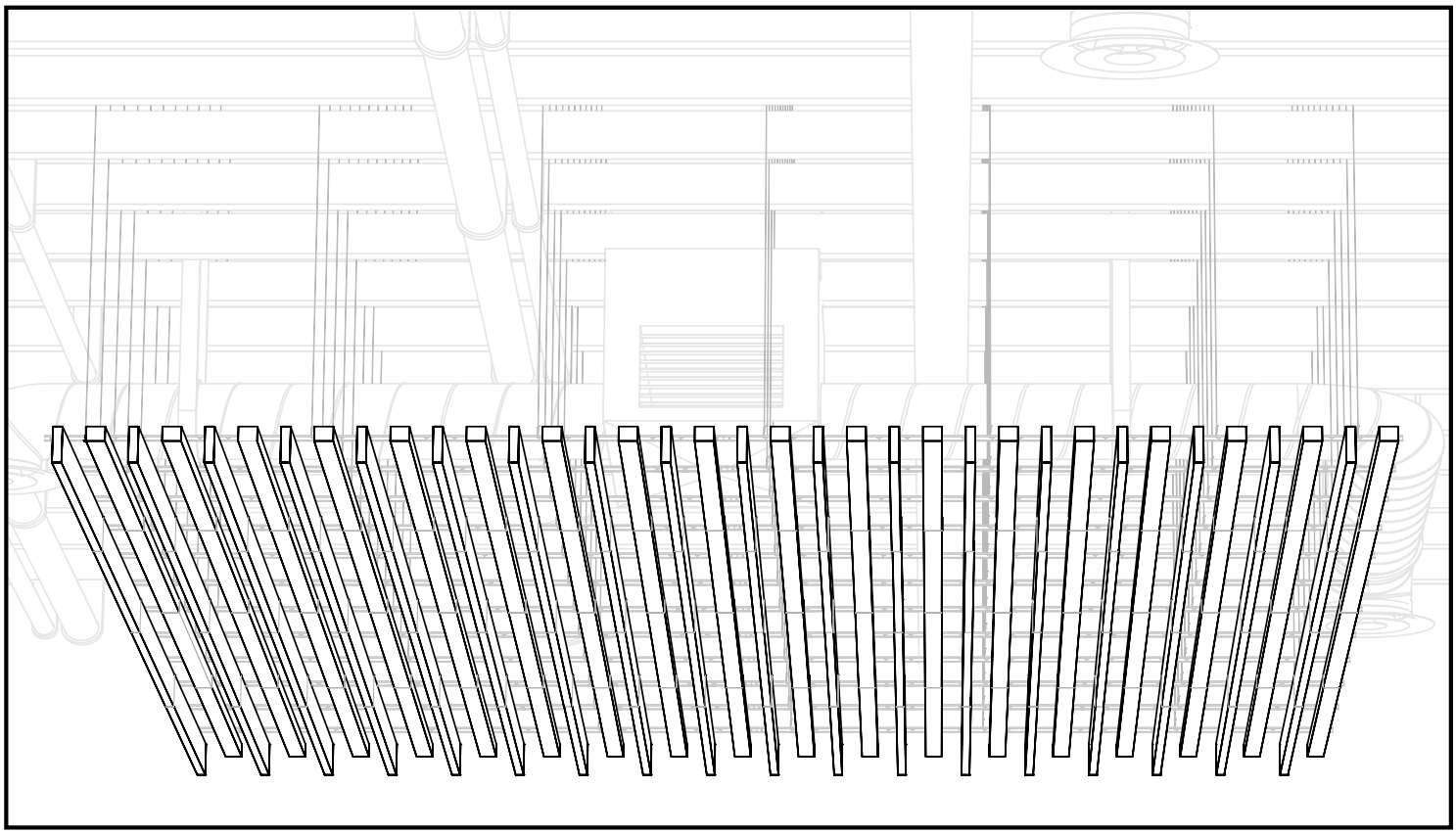

(**D**) To lock Baffles into position, apply Self-Tapping Screws to Main Tees and Swivel-Clips as shown.



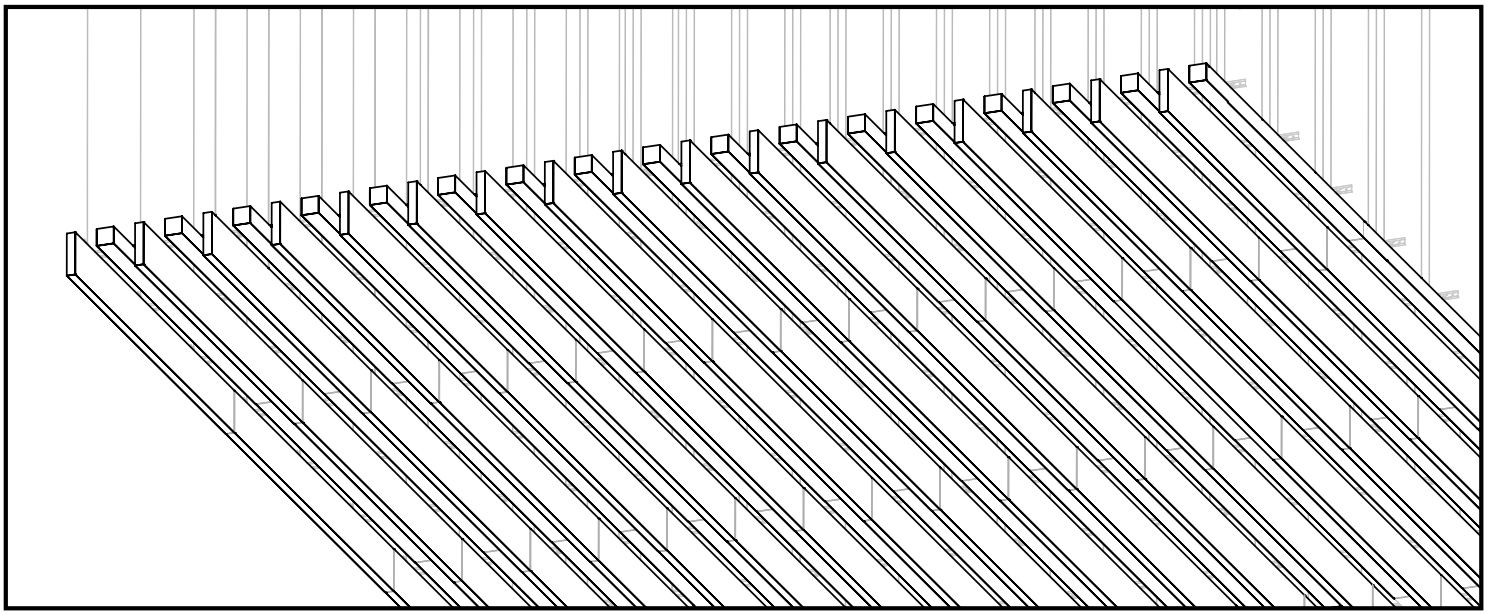



## General Installation

### Installation Completed



(**E**) Adjust/position remaining Baffles as necessary.



FULLY INSTALLED COLORTEX™ BARZ® CEILING SYSTEM

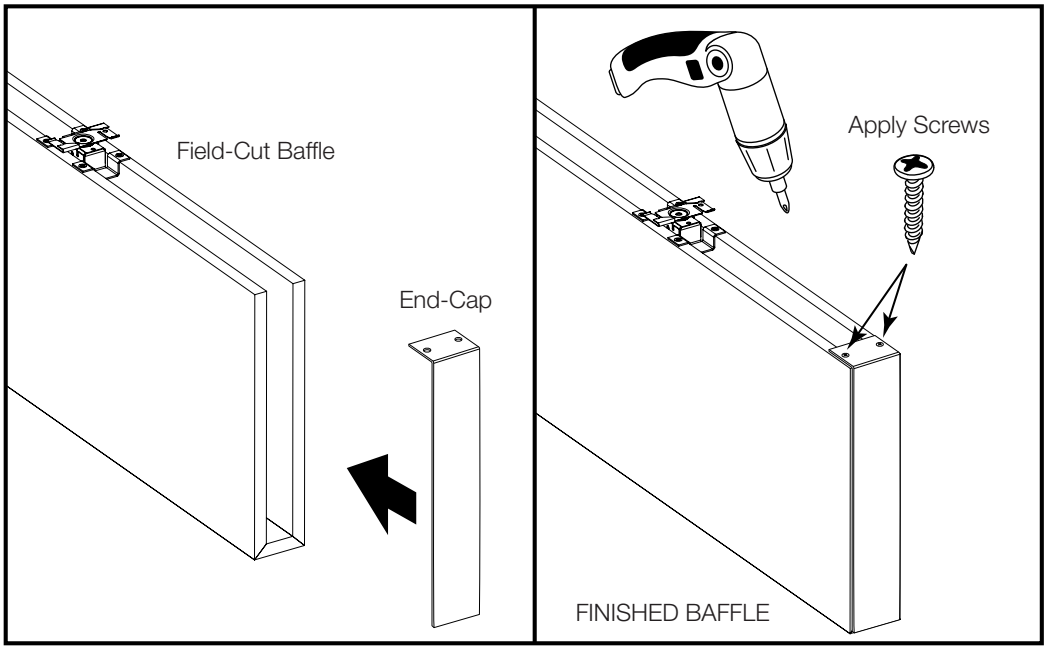
# General Installation

## Field Cutting Colortex™ Baffles

(**A**) Prior to full cut, measure and apply small PRE-CUT marks on Baffle with Utility Knife to indicate placement of Straight Edge.

(**B**) Using a Utility Knife and metal Straight Edge, cut all 3 panels of Baffle at 90º angles to surface.

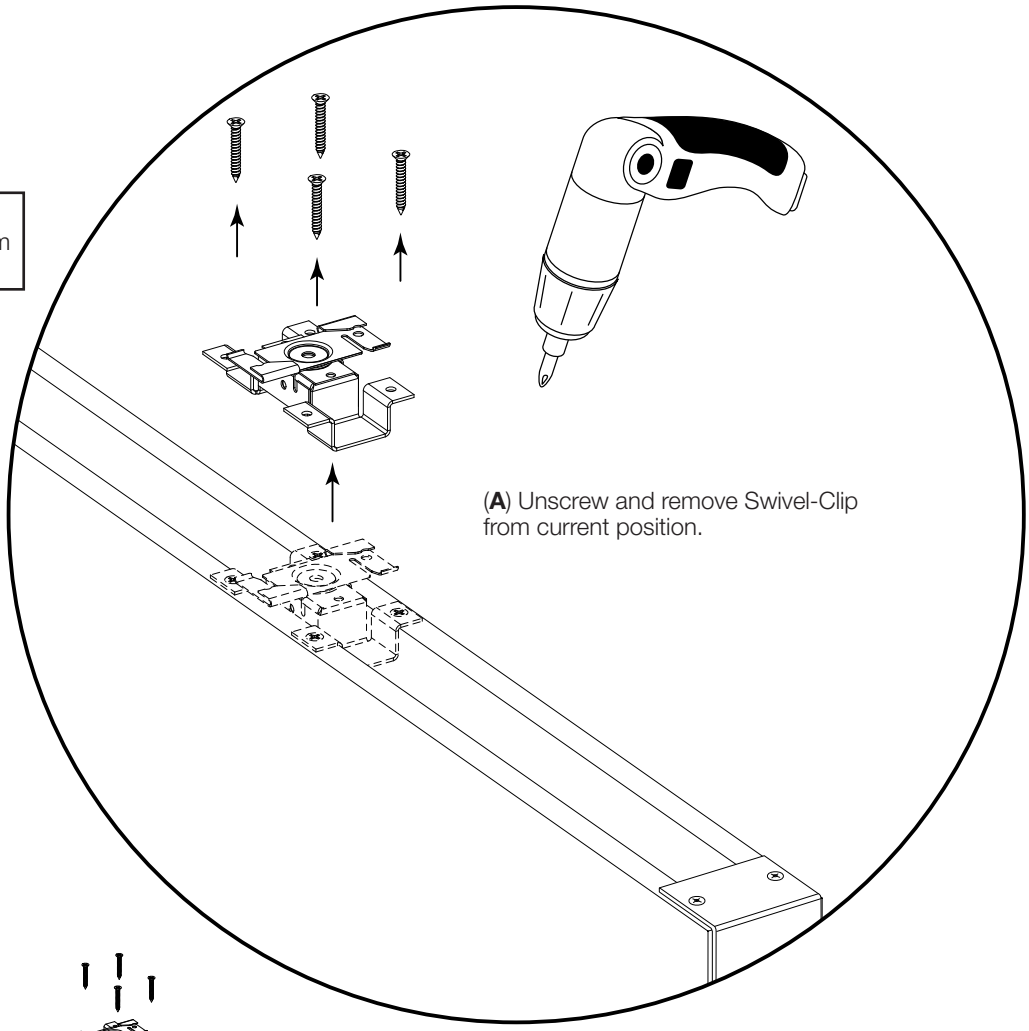
(**C**) Align and position Enc-Cap, then secure in place via Screws as shown below.



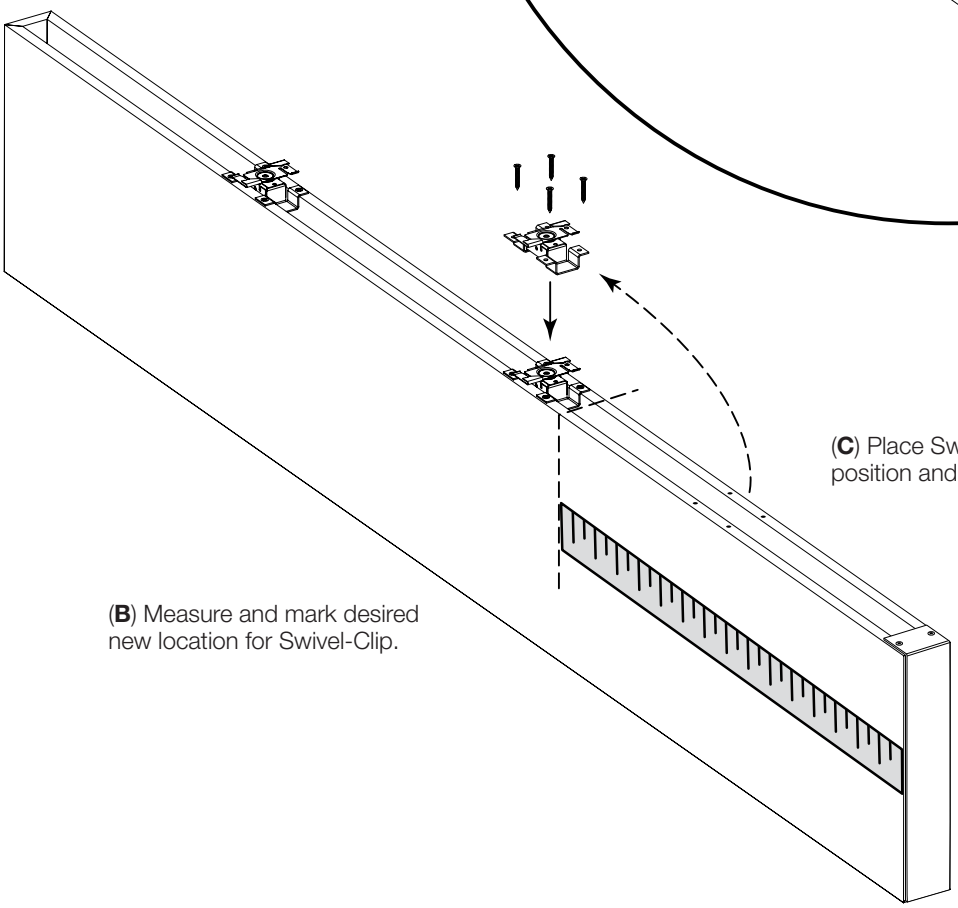
# General Installation

## Field Cutting Colortex™ Baffles

Swivel-Clips may be re-positioned after a Field-Cut operation to conform to any grid layout.



(**A**) Unscrew and remove Swivel-Clip from current position.

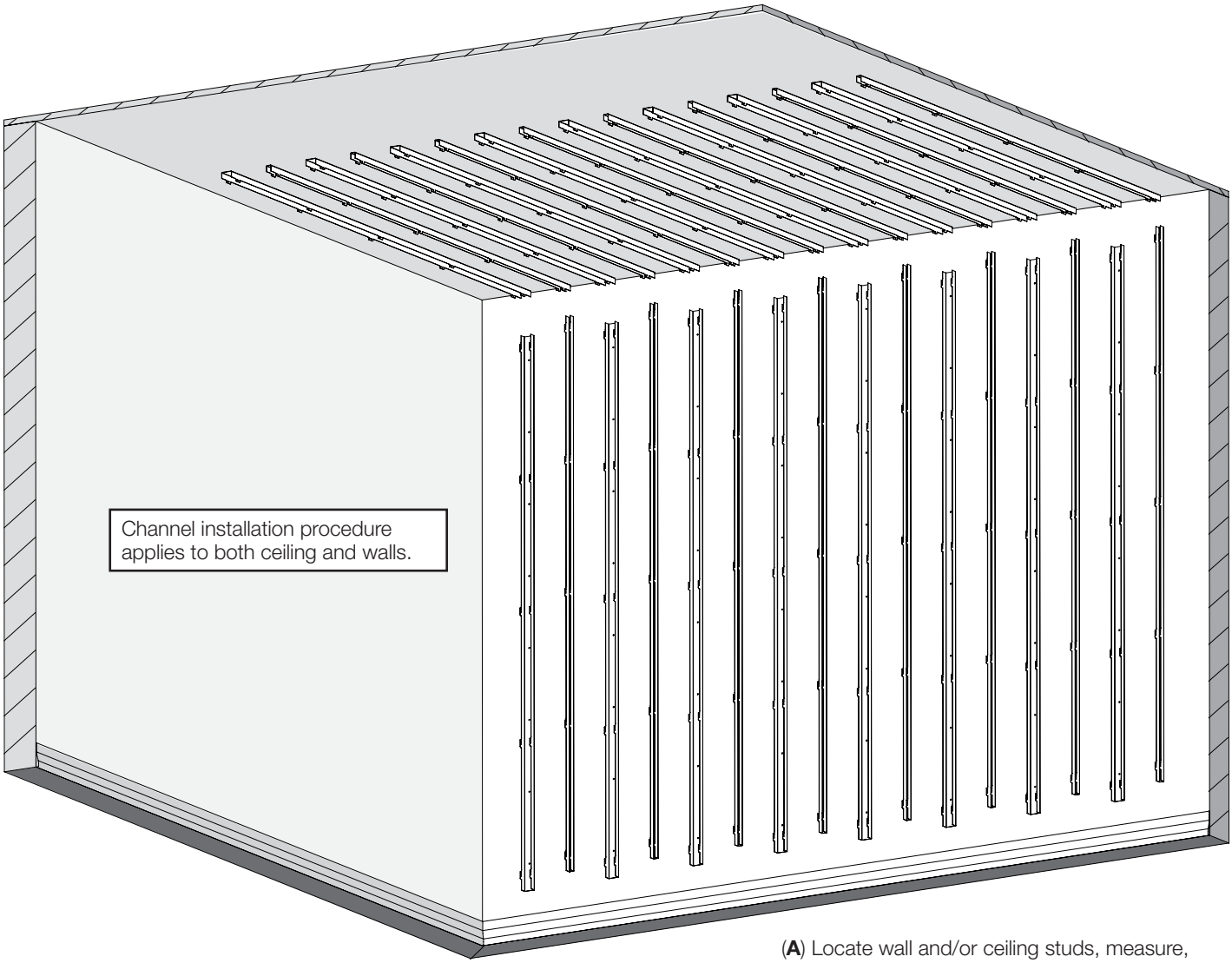


(**B**) Measure and mark desired new location for Swivel-Clip.

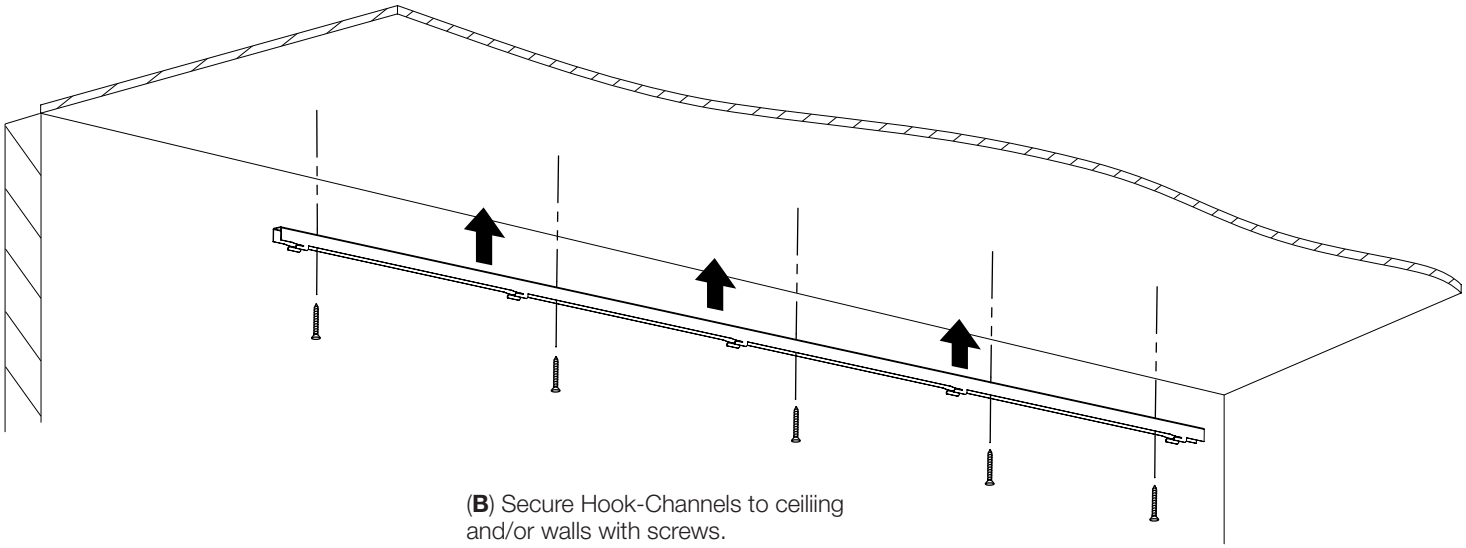
(**C**) Place Swivel-Clip into new position and secure it to Baffle.

# Direct Mount Installation

## Install Wall & Ceiling Channels



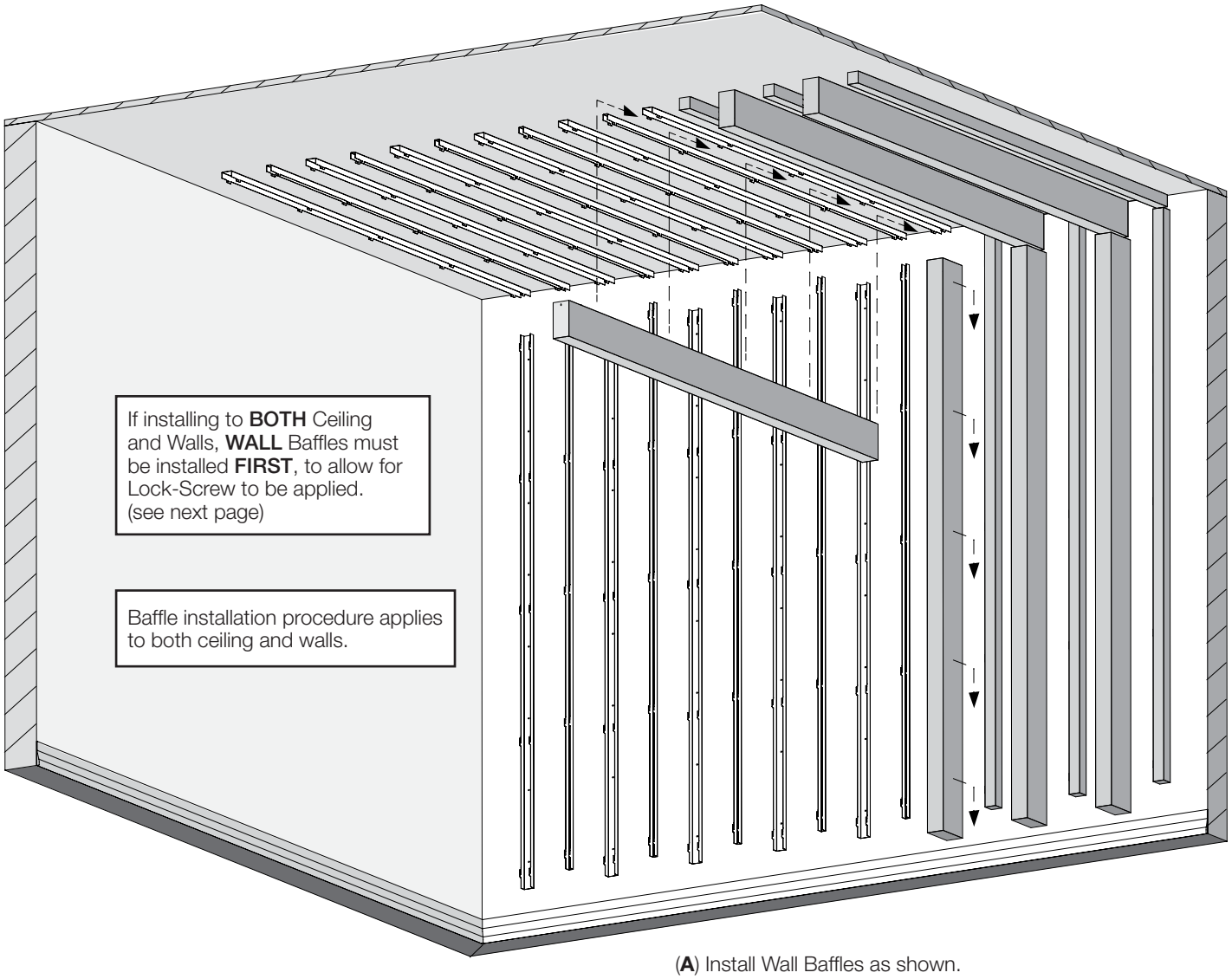

(**A**) Locate wall and/or ceiling studs, measure, and mark location for channel placements.



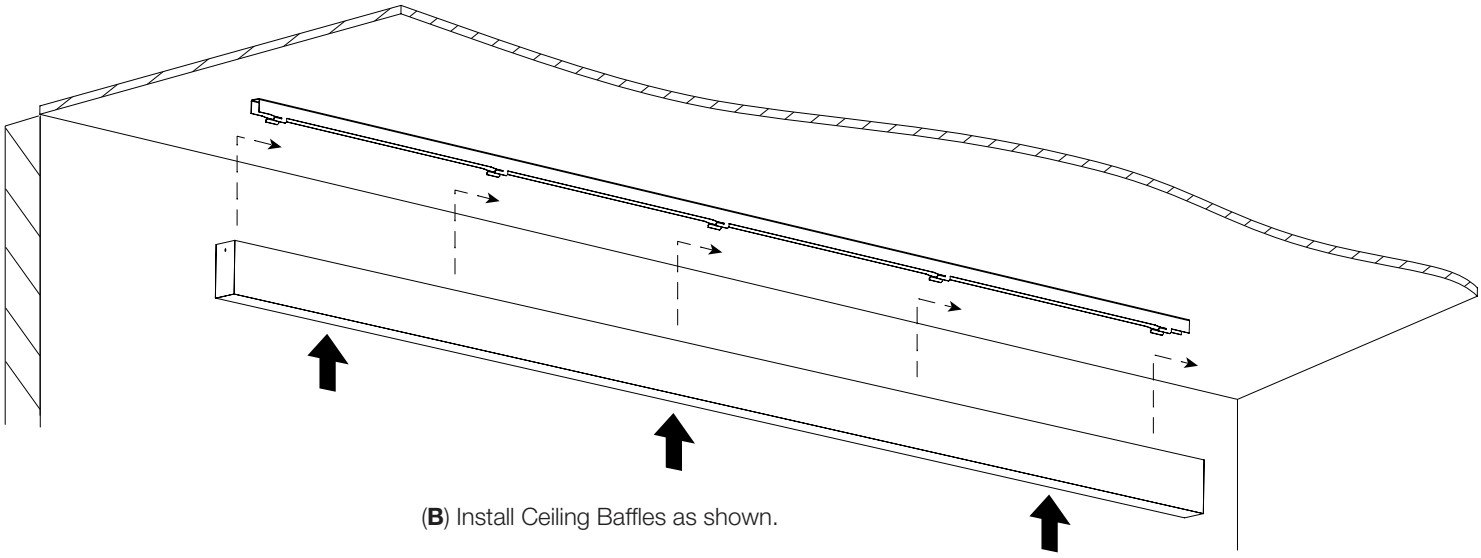
(**B**) Secure Hook-Channels to ceiliing and/or walls with screws.

# Direct Mount Installation

## Mounting Colortex™ Baffles



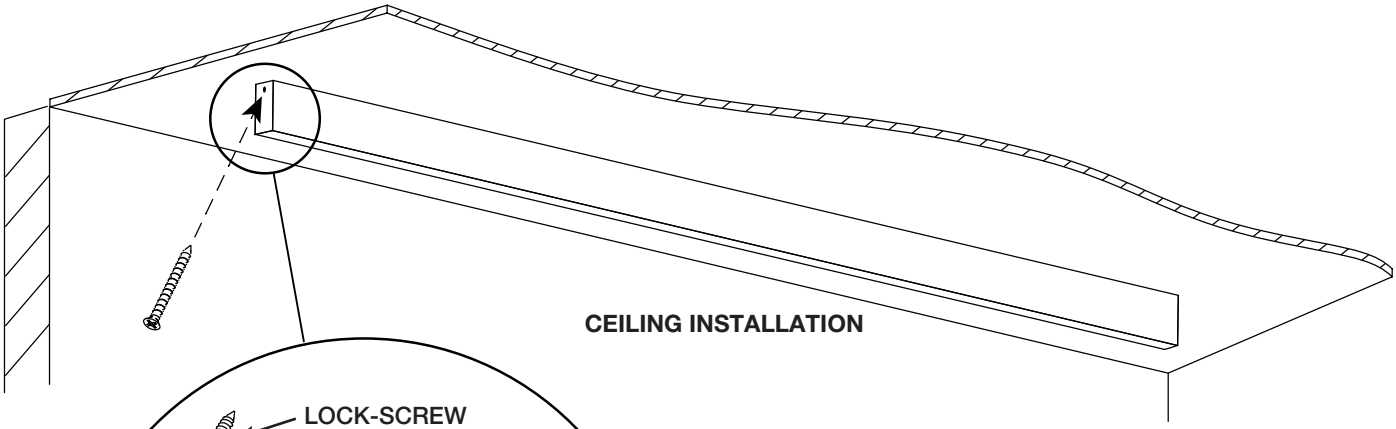

(**A**) Install Wall Baffles as shown.



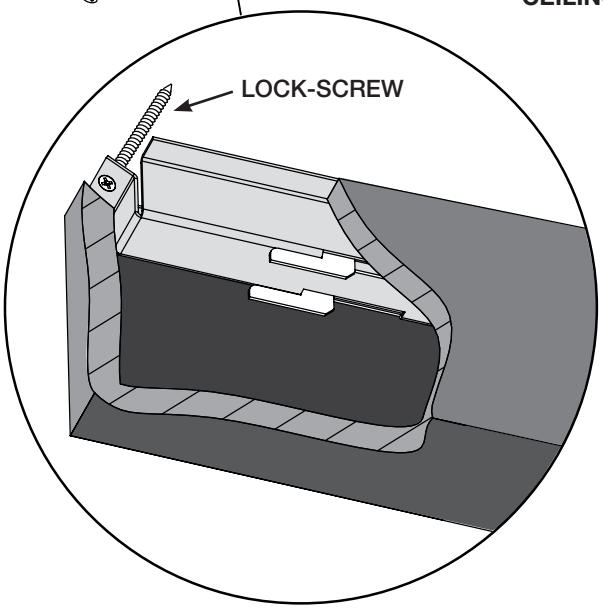
(**B**) Install Ceiling Baffles as shown.

# Direct Mount Installation

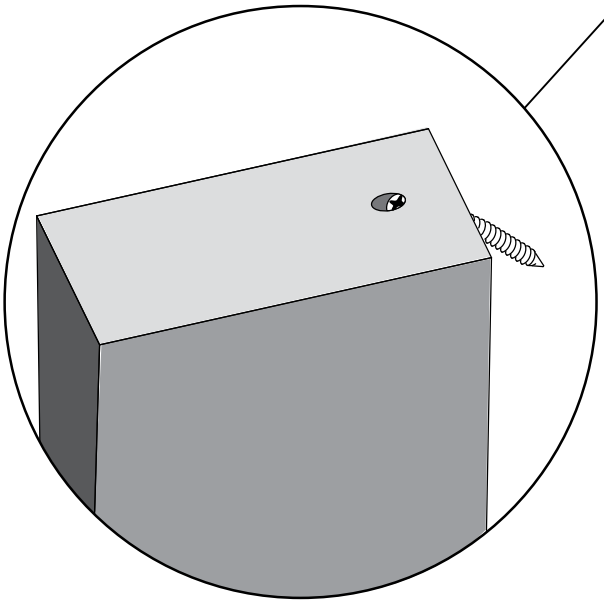
## Applying Lock-Screws

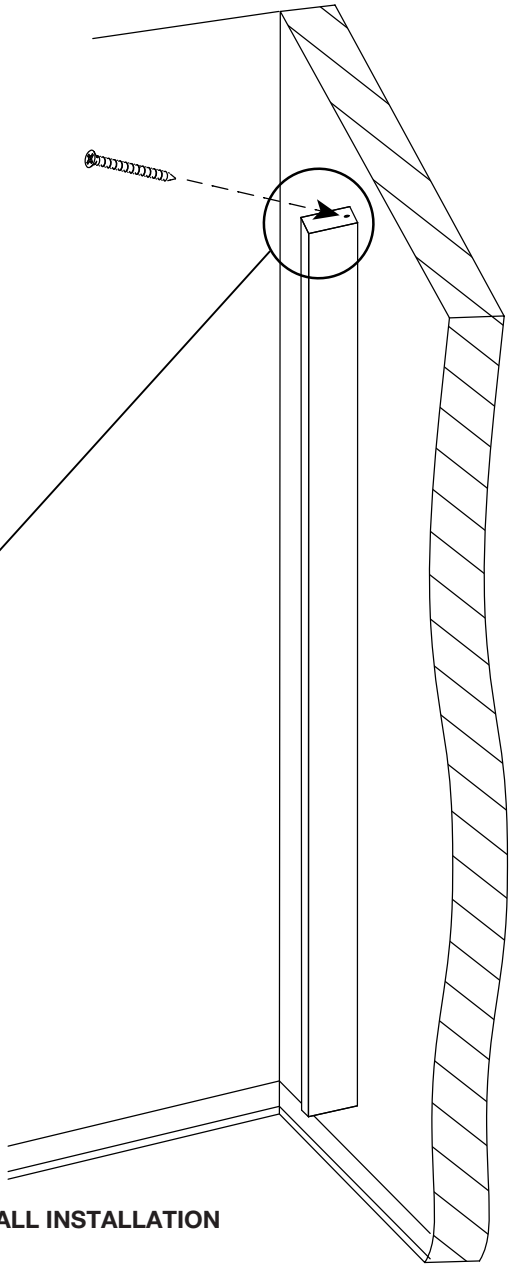


CEILING INSTALLATION




Apply Lock-Screw at end of Baffles as shown. Ensure that Lock-Screw's head is set past Baffle's End-Cap surface. Lock-Screws must penetrate Baffle's internal Hat-Channel and anchor to wall/ceiling.

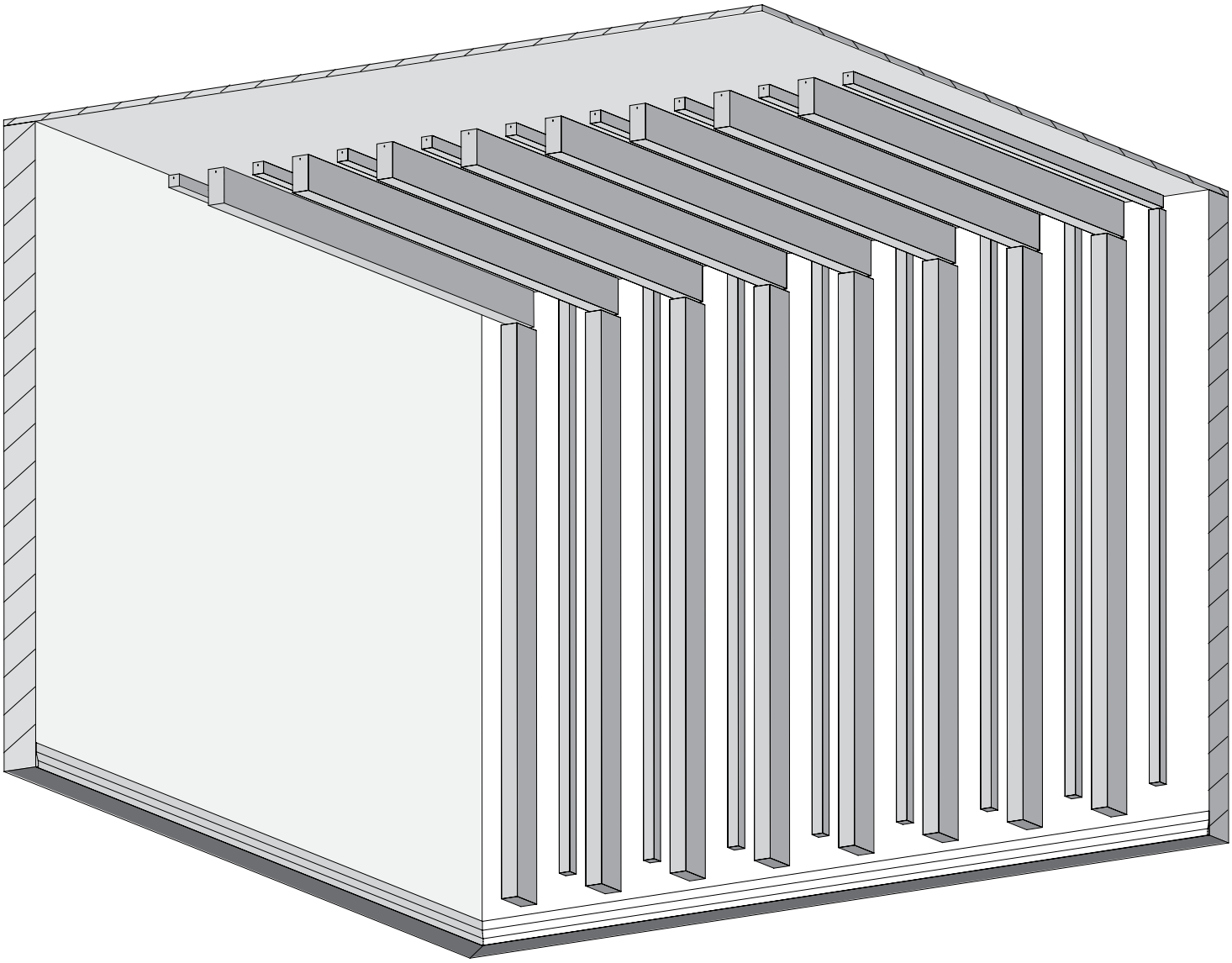




WALL INSTALLATION

# Completed Installation

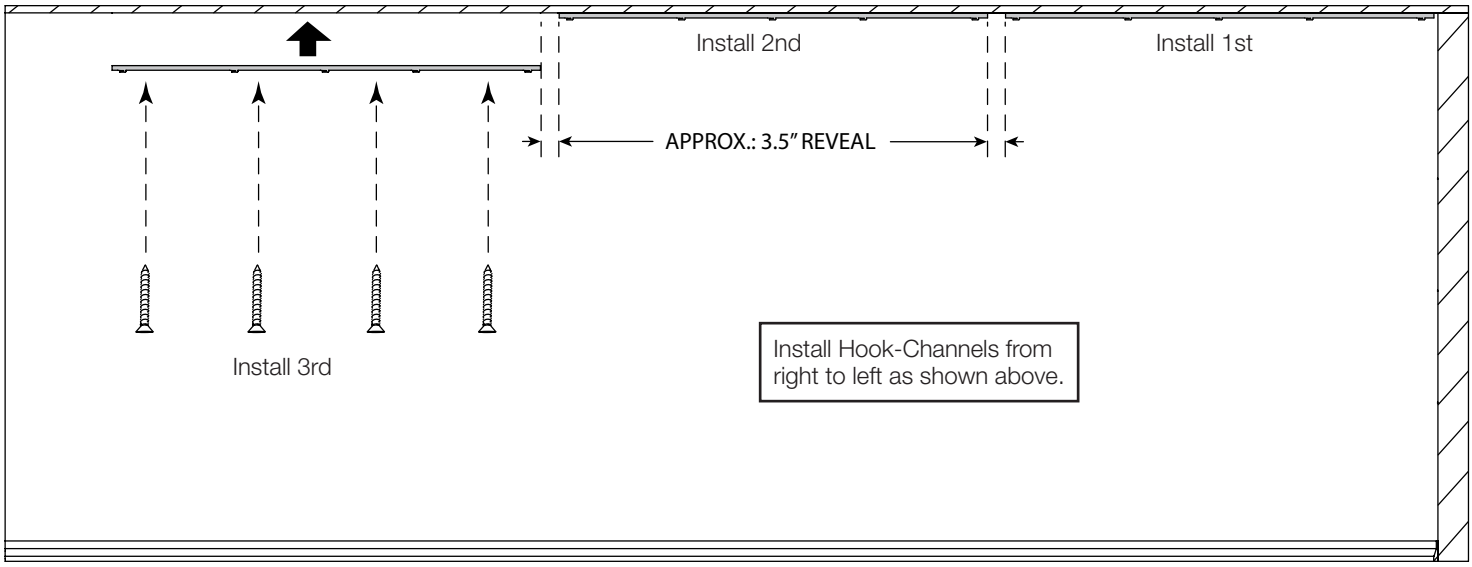
## Colortex™ Baffles Completed



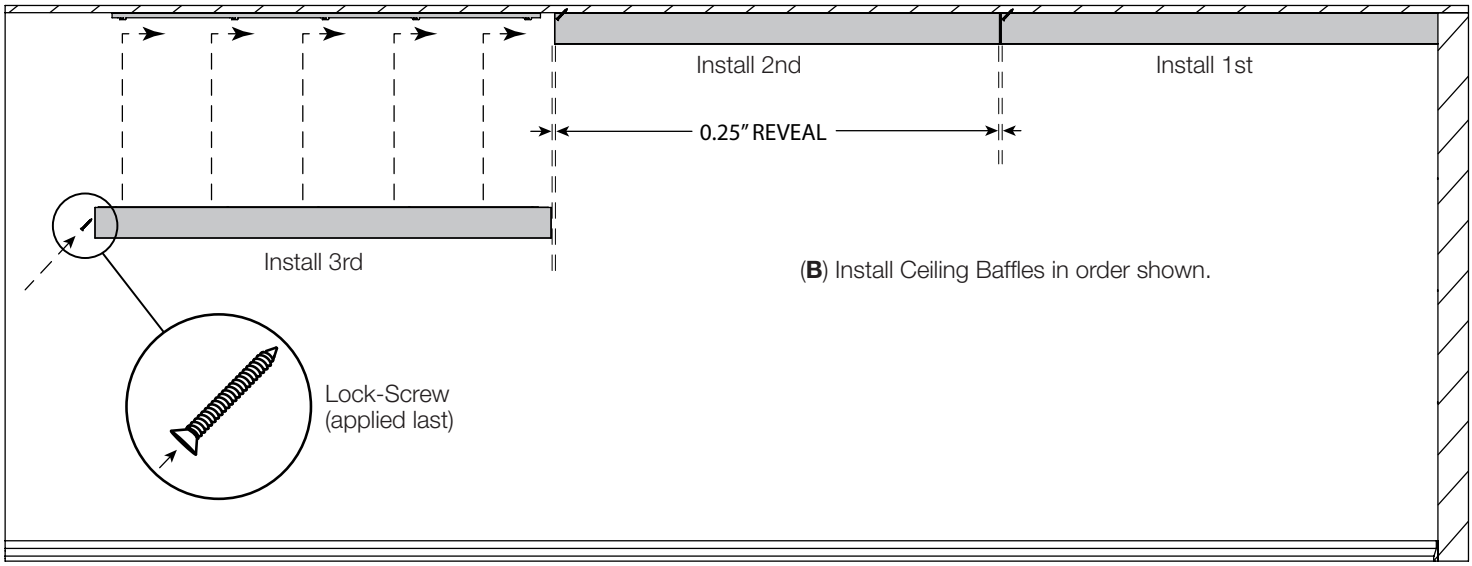
FULLY INSTALLED COLORTEX™ BARZ® CEILING & WALL SYSTEM

# Direct Mount Installation

## Mounting Colortex™ Baffles - SERIES



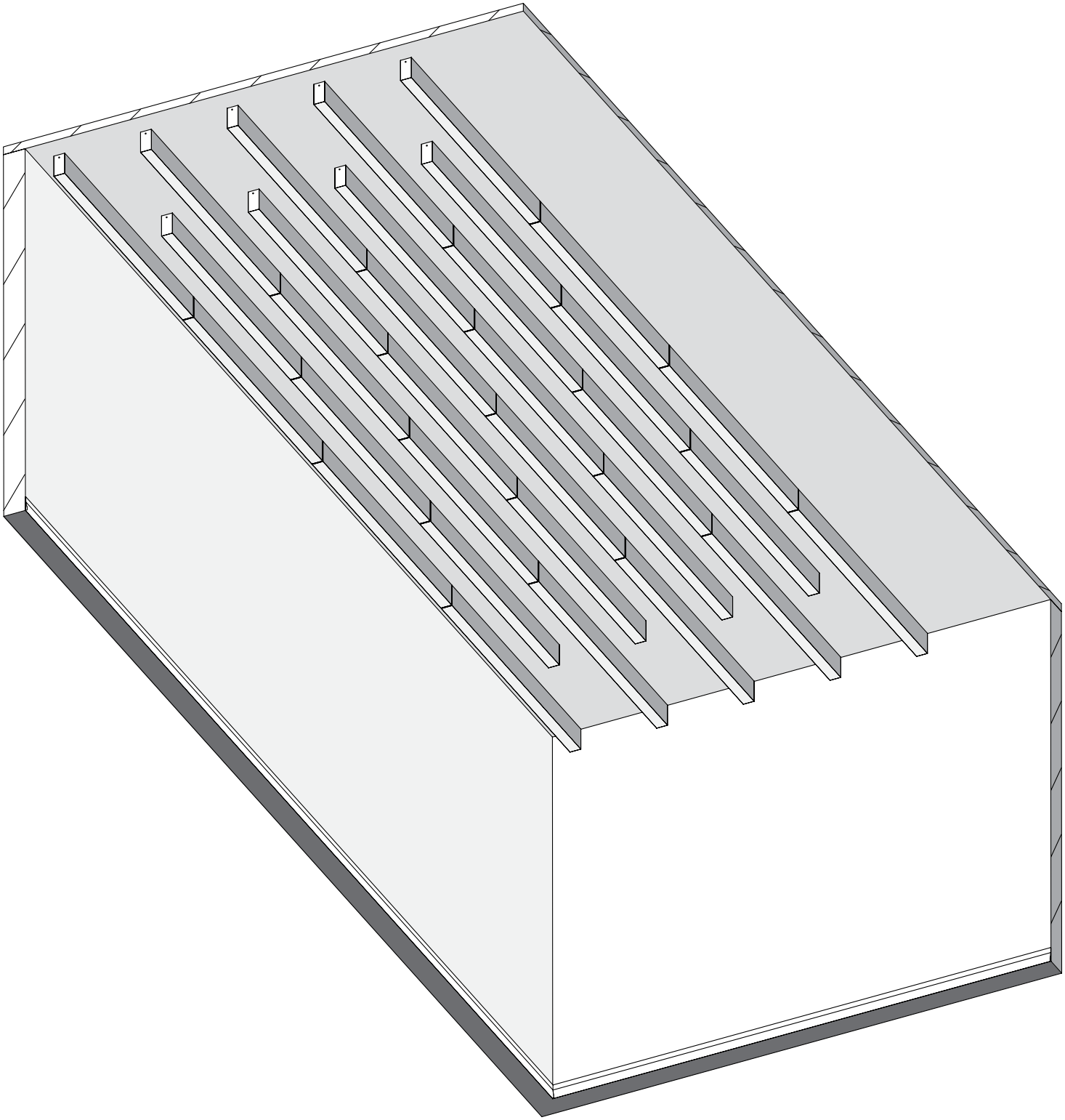

(**A**) For a SERIES installation, first mount Hook-Channels in the order shown above.
The REVEAL for HOOK-CHANNELS must be calculated with BAFFLES'S final 1/4" reveal in mind.




(**C**) Lock-Screw must be applied to EACH
Baffle PRIOR to mounting NEXT Baffle.

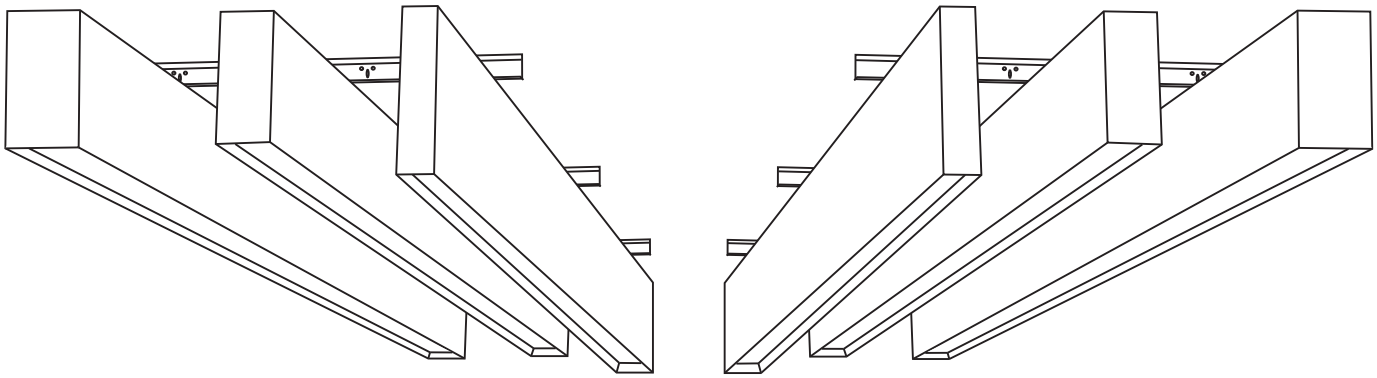
# Completed Installation

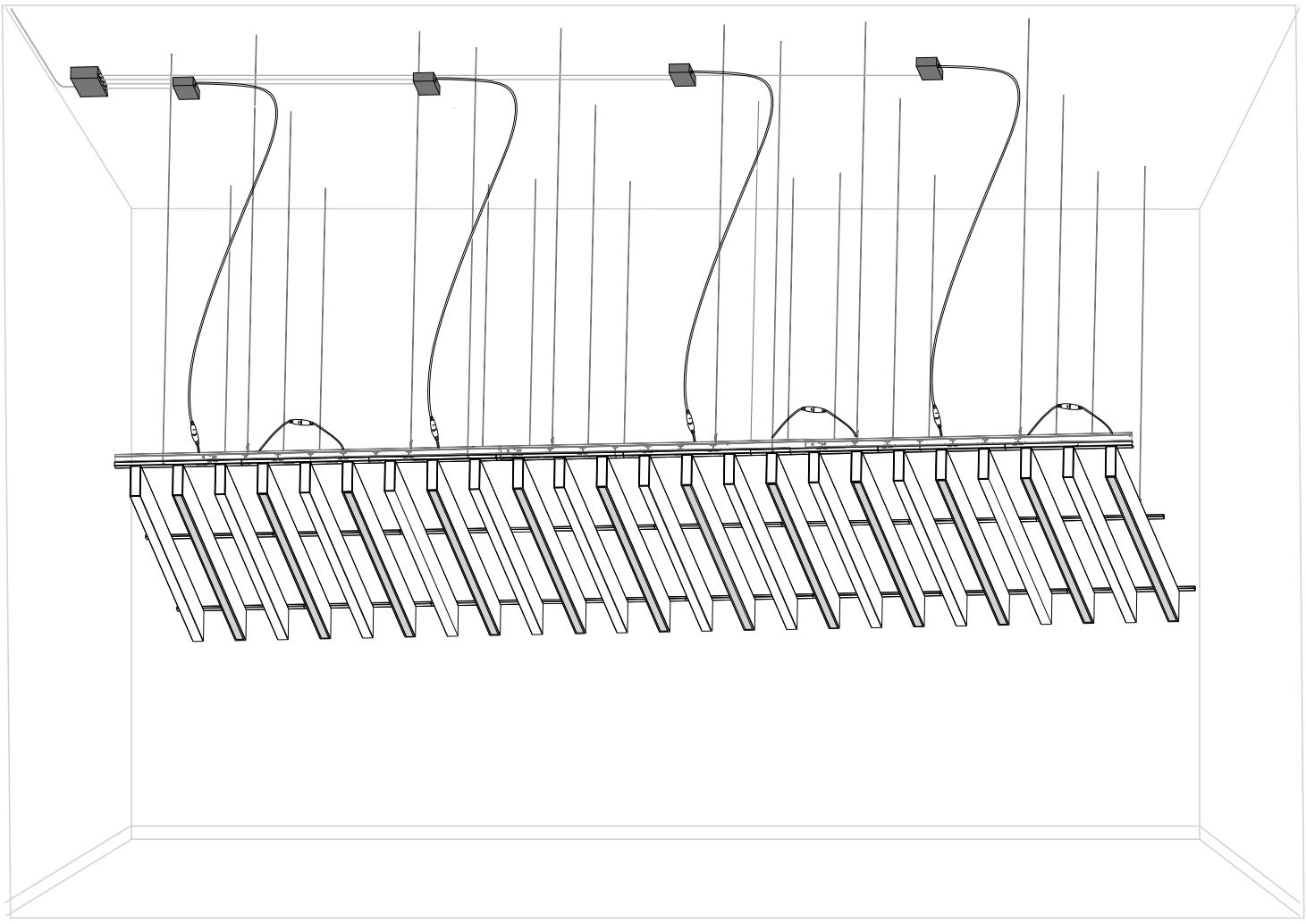
SERIES Installation Completed



FULLY INSTALLED COLORTEX™ BARZ® CEILING SERIAL ARRAY

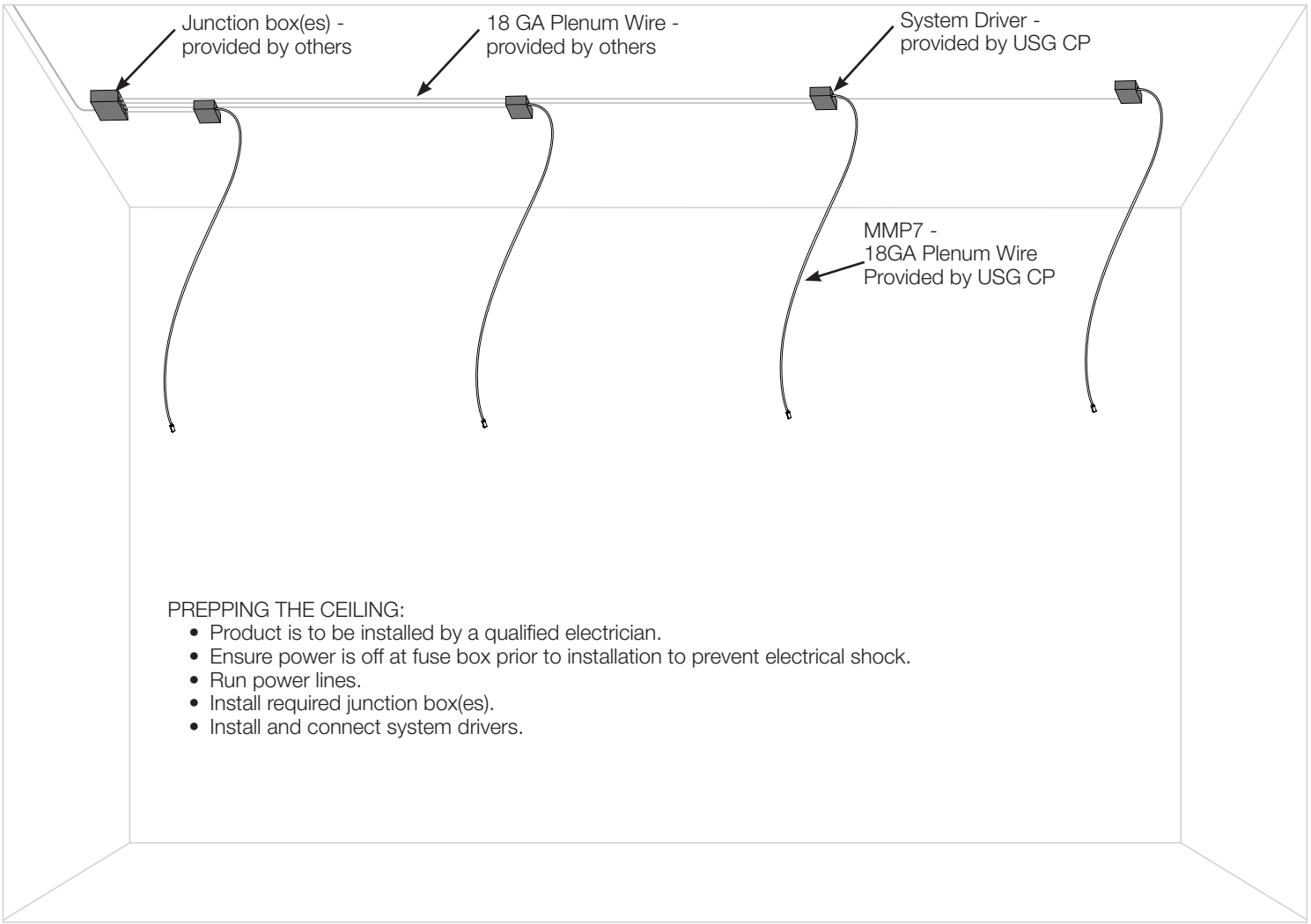
# Colortex Barz + Brilliance Installation





# Colortex Barz + Brilliance Installation

Prepare plenum, install junction boxes, system drivers, as required. (ELECTRICIAN)

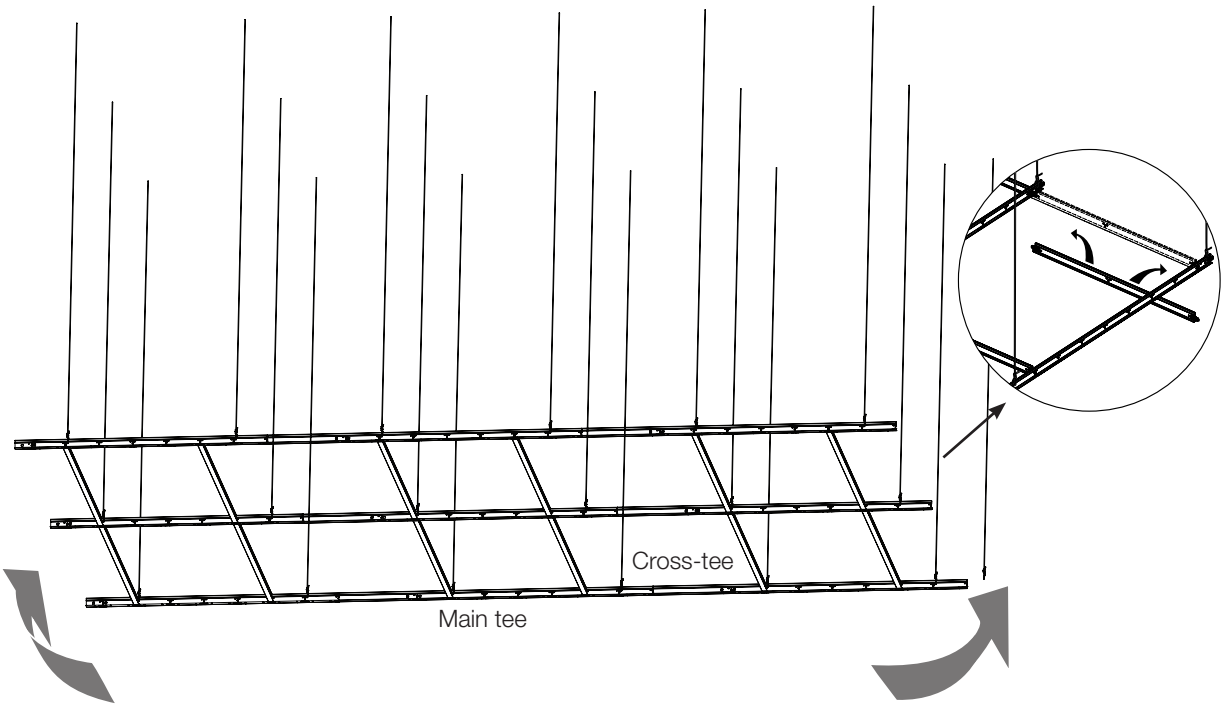


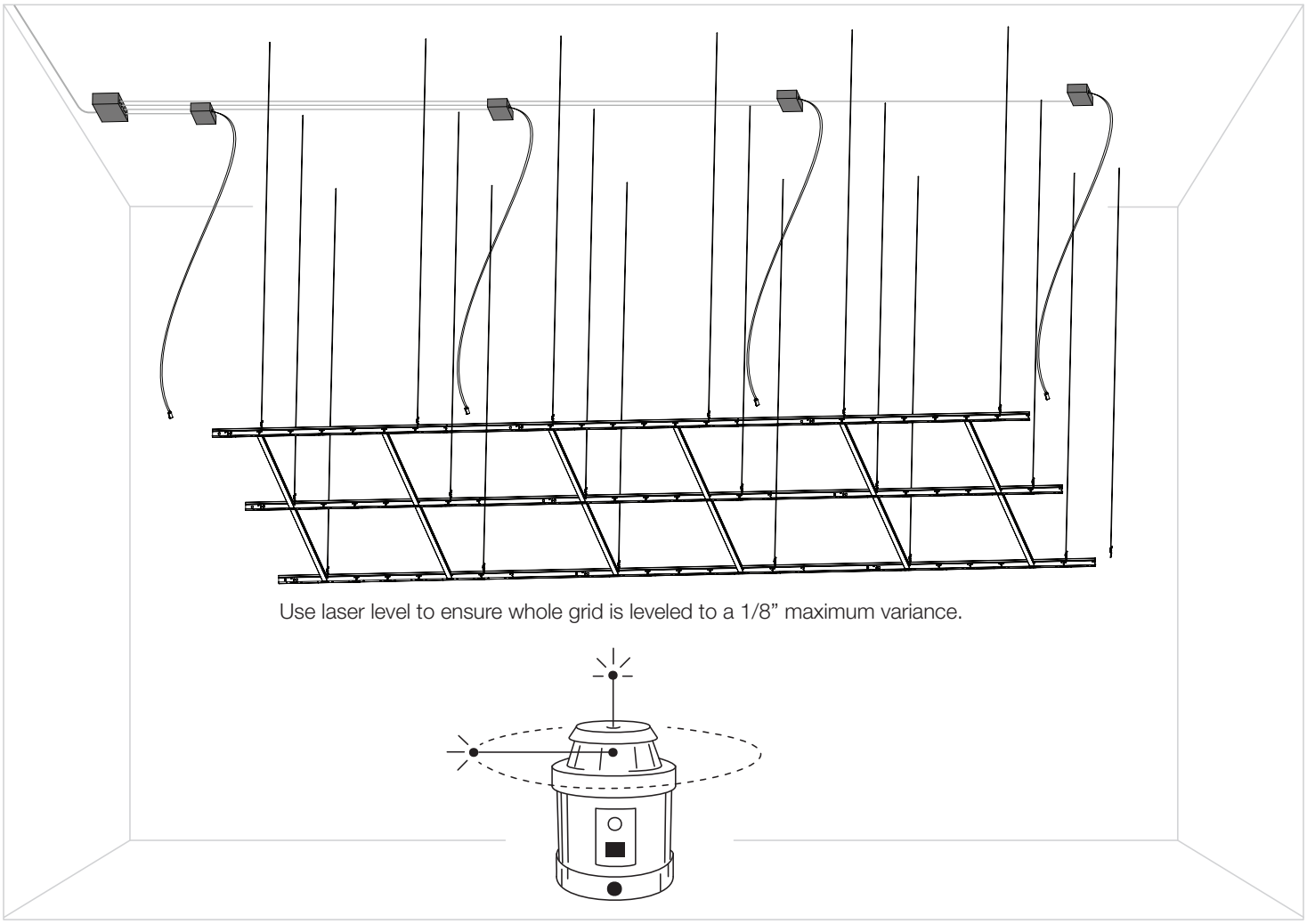

PREPPING THE CEILING:

- Product is to be installed by a qualified electrician.
- Ensure power is off at fuse box prior to installation to prevent electrical shock.
- Run power lines.
- Install required junction box(es).
- Install and connect system drivers.

# Colortex Barz + Brilliance Installation

Level and install main ceiling grid as required (INSTALLER)

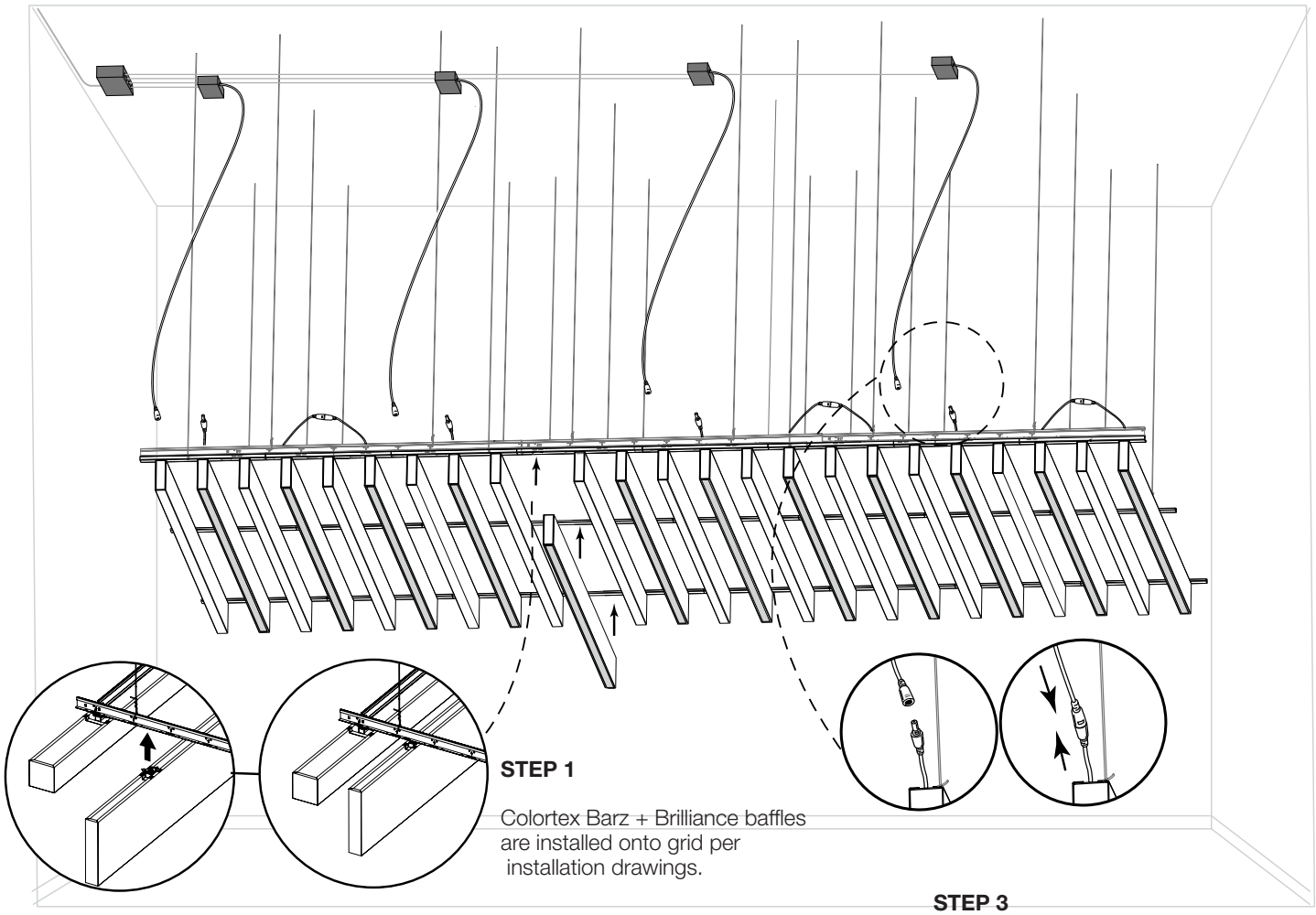


Use laser level to ensure whole grid is leveled to a 1/8” maximum variance.

# Colortex Barz + Brilliance Installation

## Baffle installation and electrical connections

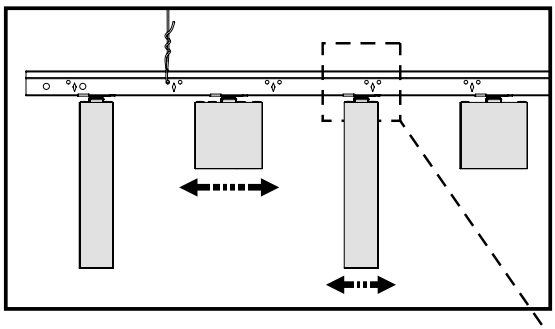


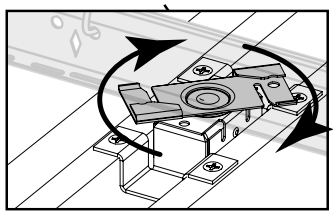
**STEP 1**

Colortex Barz + Brilliance baffles are installed onto grid per installation drawings.

**STEP 3**

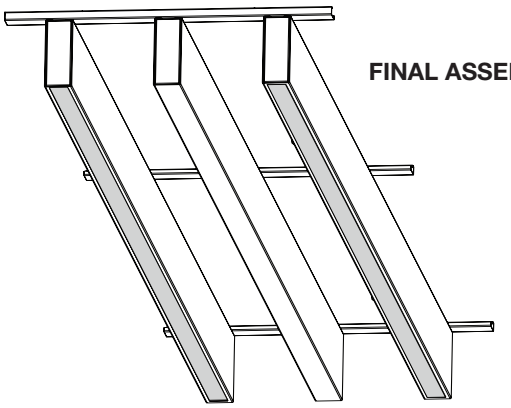
After Colortex Barz + Brilliance baffles installed, Electrical sub-contractor shall make all cable connections and ensure operation of lights.





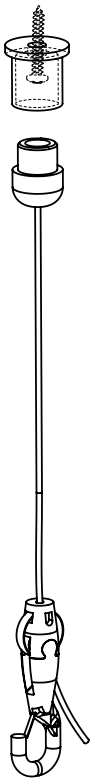
**STEP 2**

Adjust Colortex Barz + Brilliance baffle spacing to desired spacing and ensure swivel clips are firmly locked onto grid.



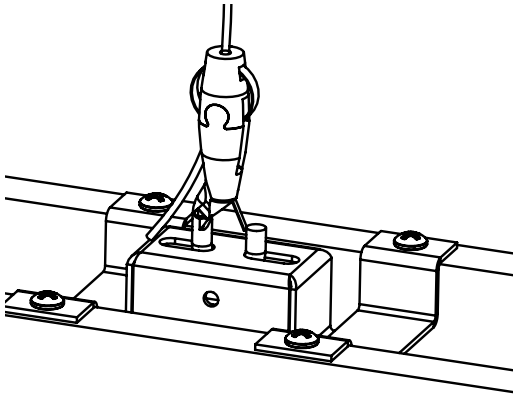
**FINAL ASSEMBLY**

**CABLE METHOD OF INSTALLATION**

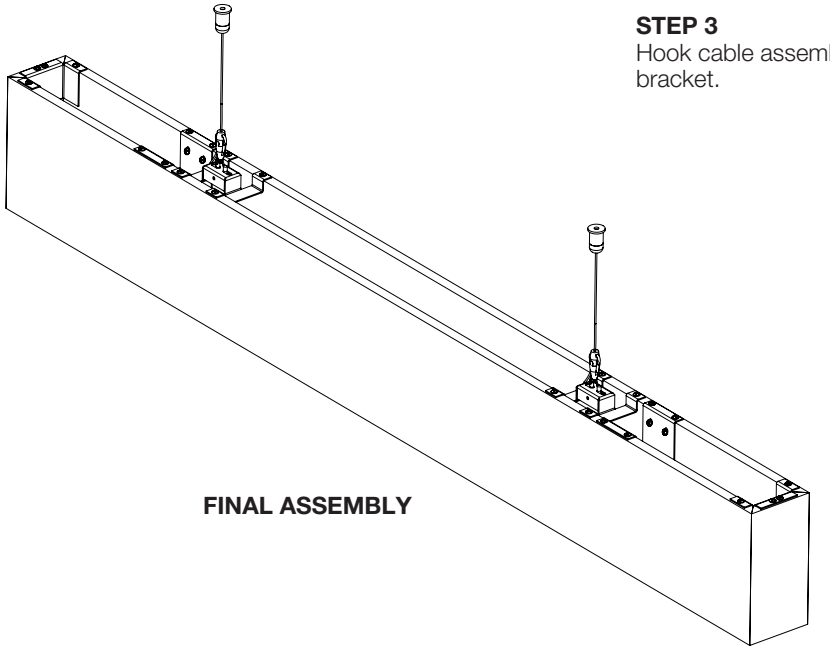


**STEP 1**
Use appropiate hardware for substrate (provided by others)

**STEP 2**
Adjust cable length thru hook as necessary. Trim any excess length leaving only approximately 2” length for future adjustements.



**STEP 3**
Hook cable assembly into baffle bracket.



**FINAL ASSEMBLY**

## SAFETY

Safety First! Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read SDS 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.
This product is covered under the standard warranty for USG Ceilings Plus products. For terms and conditions please visit www.usg.com

## Maintenance
Adjust & Clean

**A.** Colortex™ Barz® baffles are meant for indoor applications only.

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

**C.** Make sure to have clean hands at all times when handling/touching Colortex™ panels.

**D.** To remove dust, use a vacuum. An angled nozzle end works best.

**E.** If a spill occurs on the material immediately dab area with a clean, damp cloth. Soap and water may also be used if necessary.

**F.** If further cleaning is required, a polyester carpet and fabric cleaner can also be used. Always test on an inconspicuous area first.

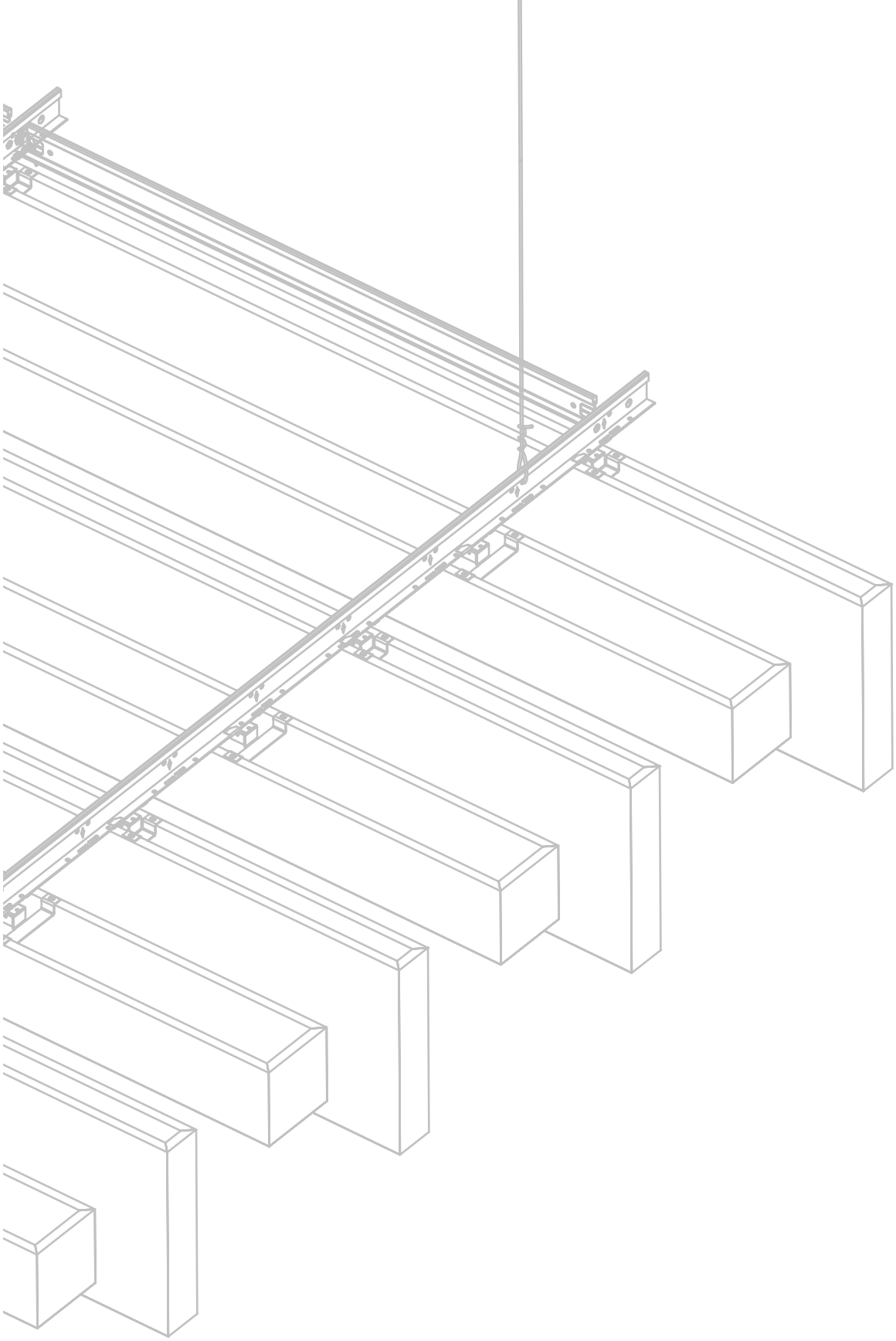
**G.** Never expose Colortex™ material to temperatures above 240° F.

**H.** 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.**

# Notes



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