



USG CEILINGS PLUS® PLANX™ UNIVERSAL

LINEAR METAL PANEL SYSTEM

OVERVIEW

Enter Planx™ Universal - 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 Planx™ Universal 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!

FOR MORE INFORMATION

PRODUCT INFORMATION

For the most up-to-date product information, visit usg.com or cgcinc.com

CUSTOMER SERVICE USG: 800 950-3839

CGC: 800 387-2690

TECHNICAL SERVICE

800 USG.4YOU (847-4968)

WEBSITES

usg.com cgcinc.com

USG CEILINGS PLUS® PLANX™ UNIVERSAL

LINEAR METAL PANEL SYSTEM

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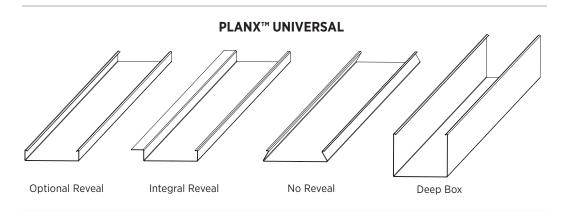
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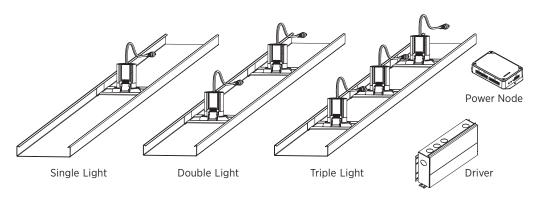
PREPARATION

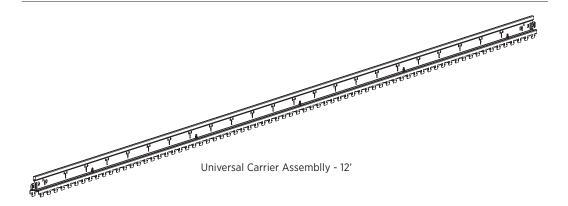
COMPONENT IDENTIFICATION

TYPICAL SUPPLIED COMPONENTS



+ ILLUMINANCE™

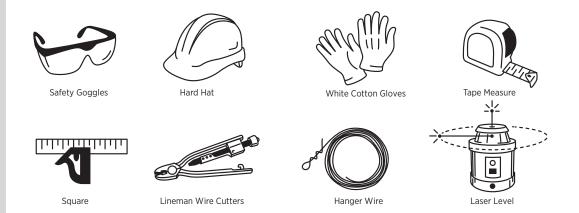




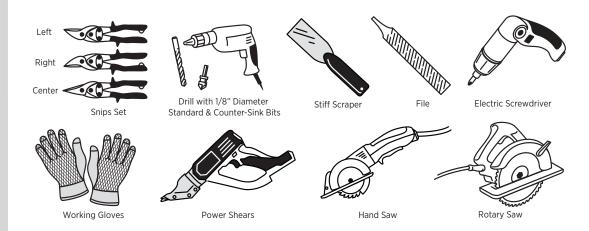
PREPARATION

TOOLS

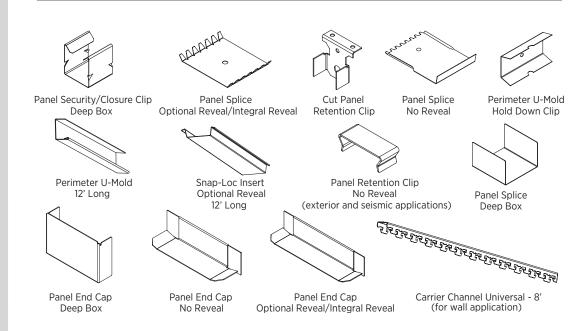
STANDARD TOOLS



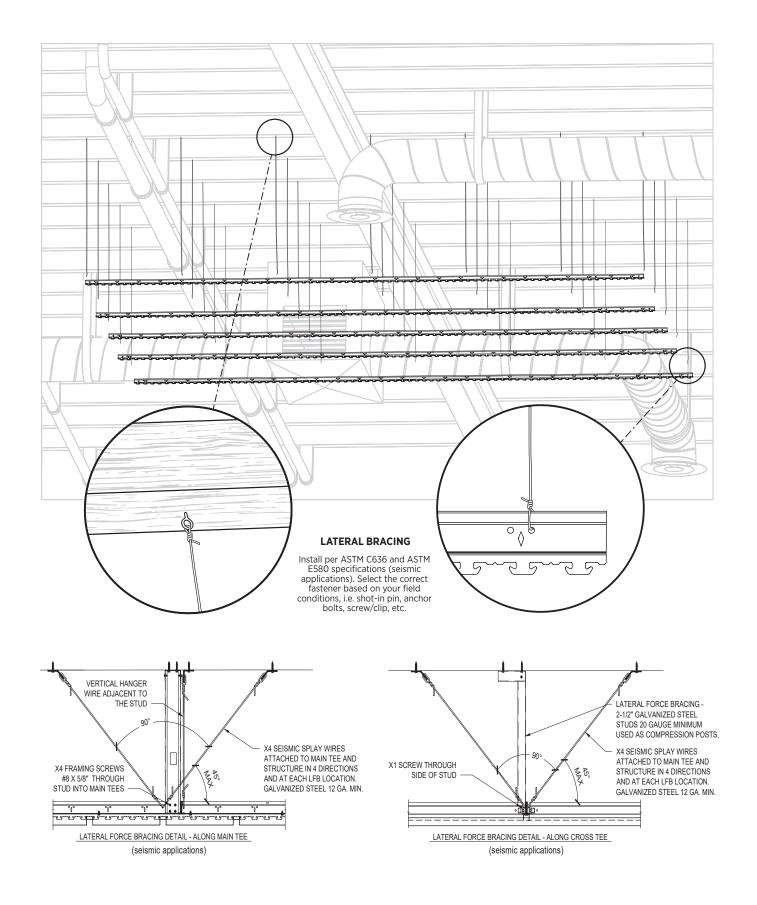
FIELD MODIFICATION TOOLS



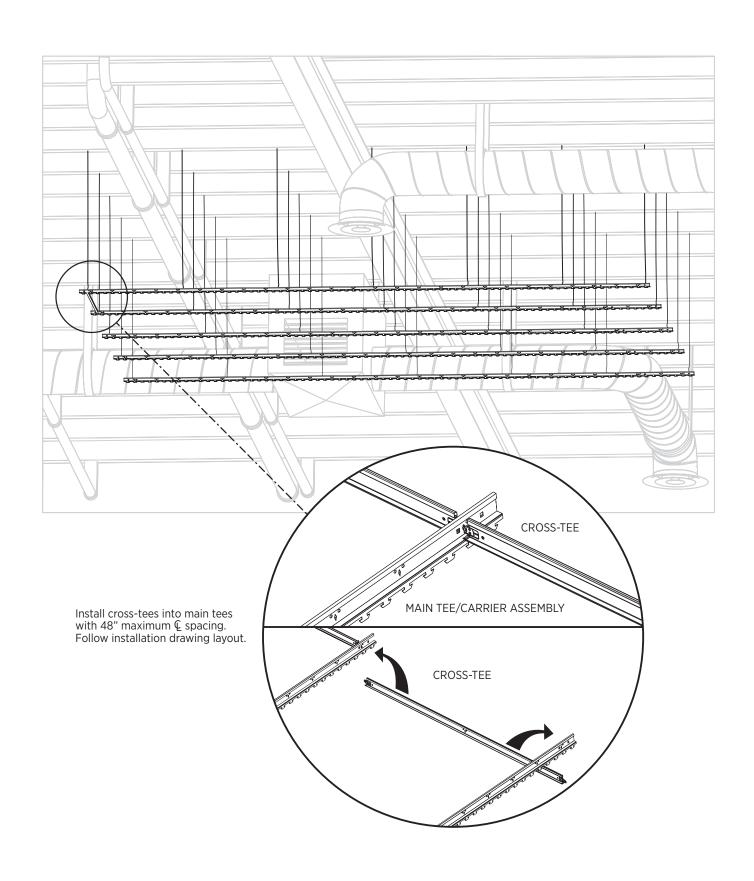
AVAILABLE ACCESSORIES



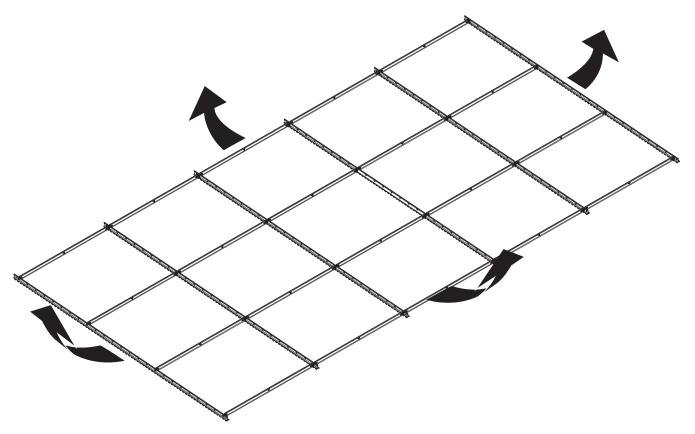
INSTALL HANGER WIRE AND MAIN TEES



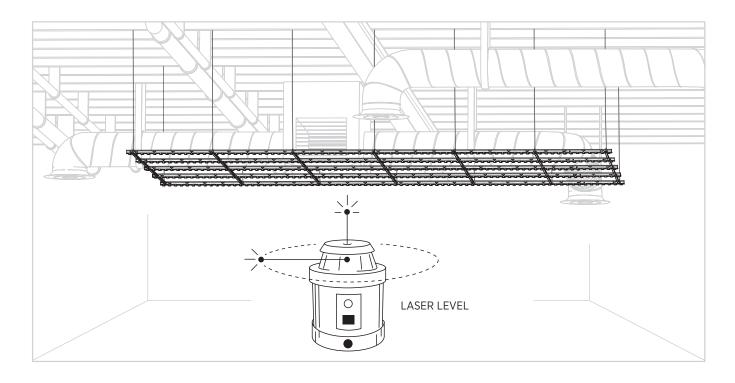
INSTALL CROSS TEES



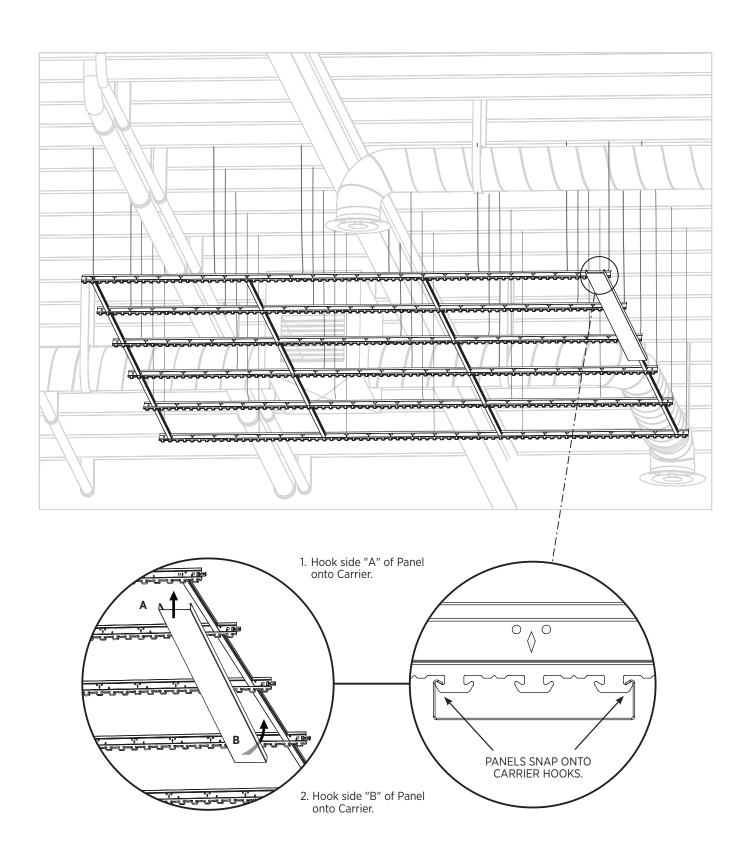
LEVEL GRID SYSTEM



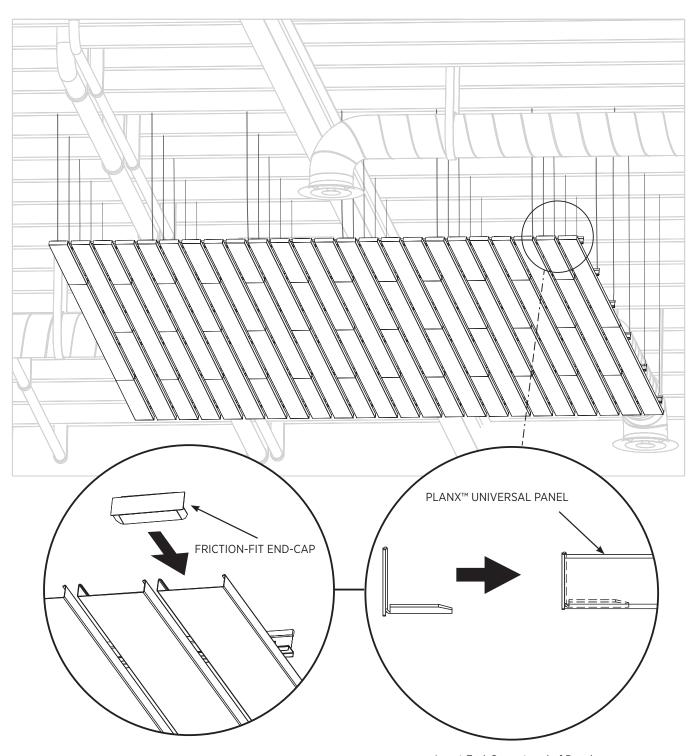
Use laser level to ensure whole grid is leveled to a 1/8" maximum variance.



INSTALL OPTIONAL REVEAL PANELS TO GRID

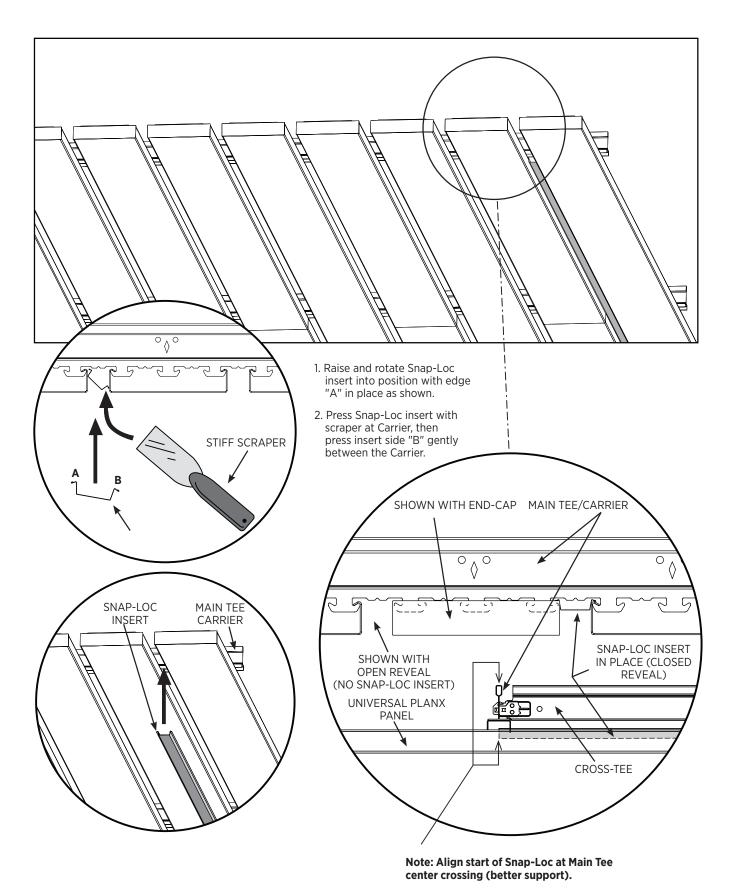


INSTALL END-CAPS - OPTIONAL REVEAL SYSTEM

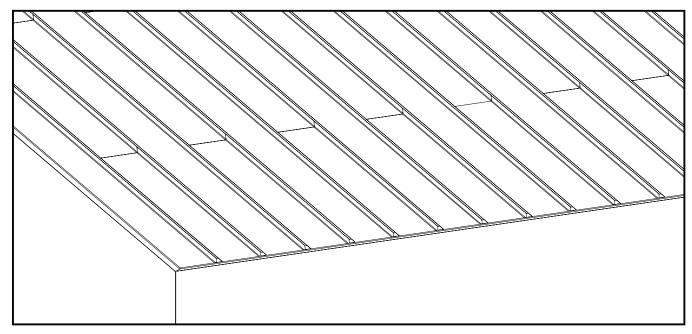


Insert End-Caps at end of Panel.

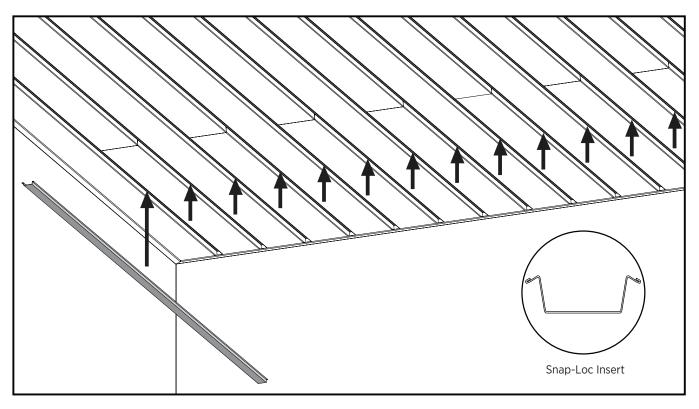
INSTALL SNAP-LOC INSERT - OPTIONAL REVEAL SYSTEM



INSTALL SNAP-LOC INSERT - OPTIONAL REVEAL SYSTEM

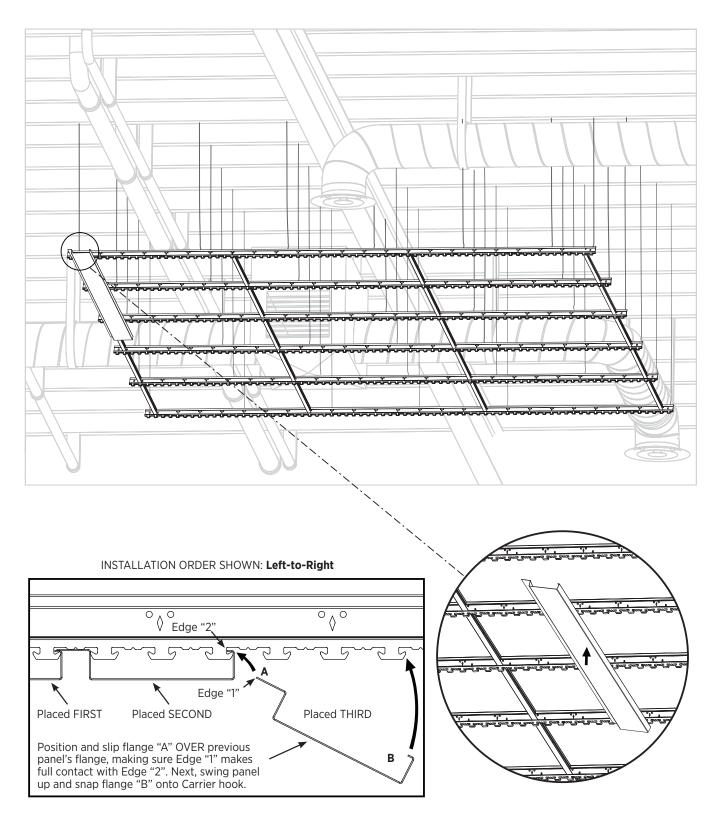


Fully installed optional-reveal system with open reveal.



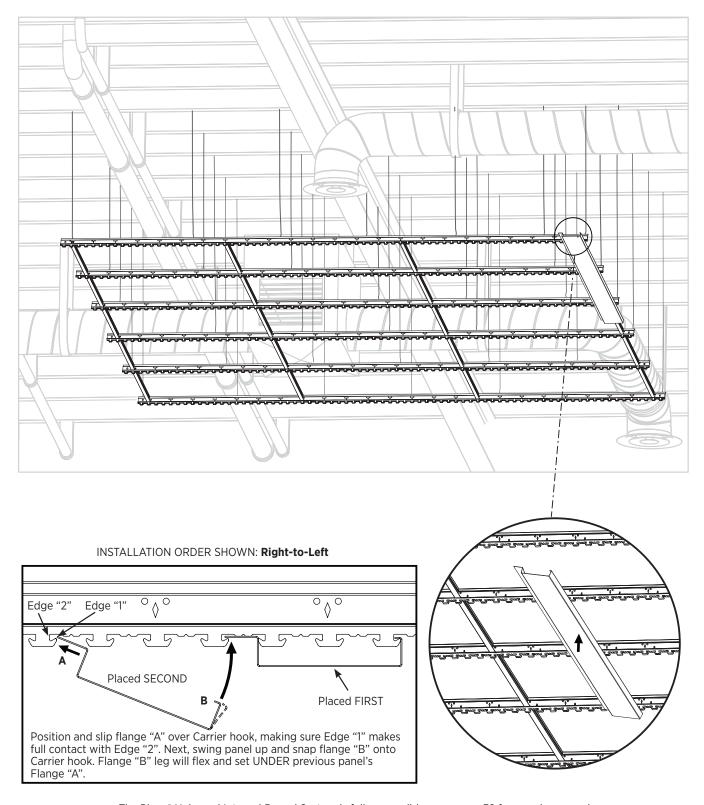
Snap-Loc Installment: See page 11

INSTALL INTEGRAL REVEAL PANELS TO GRID (LEFT-TO-RIGHT)



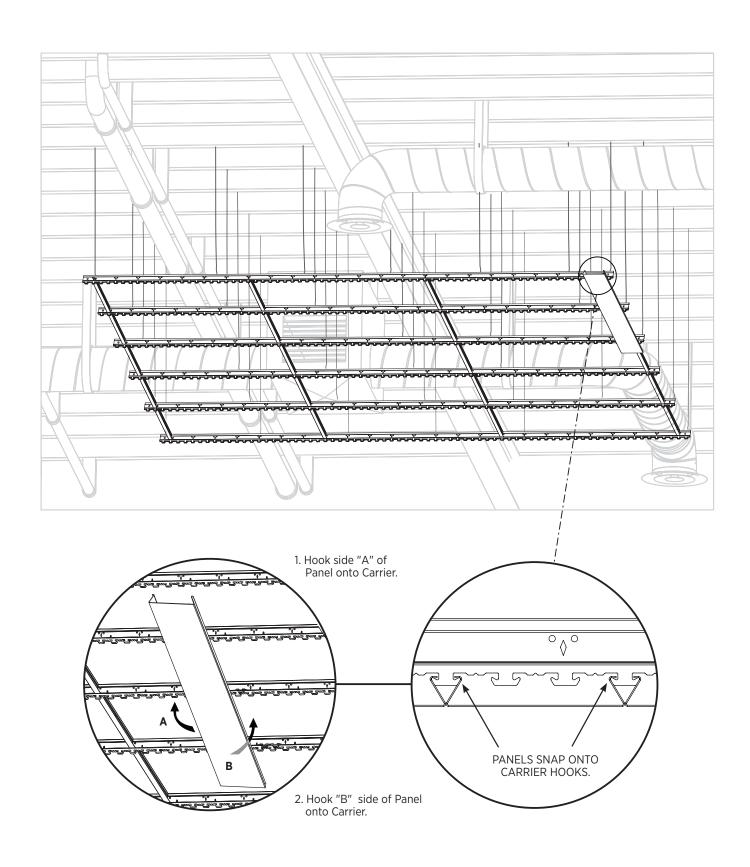
The Planx® Universal Integral Reveal System is fully accessible - see page 32 for panels removal.

INSTALL INTEGRAL REVEAL PANELS TO GRID (RIGHT-TO-LEFT)

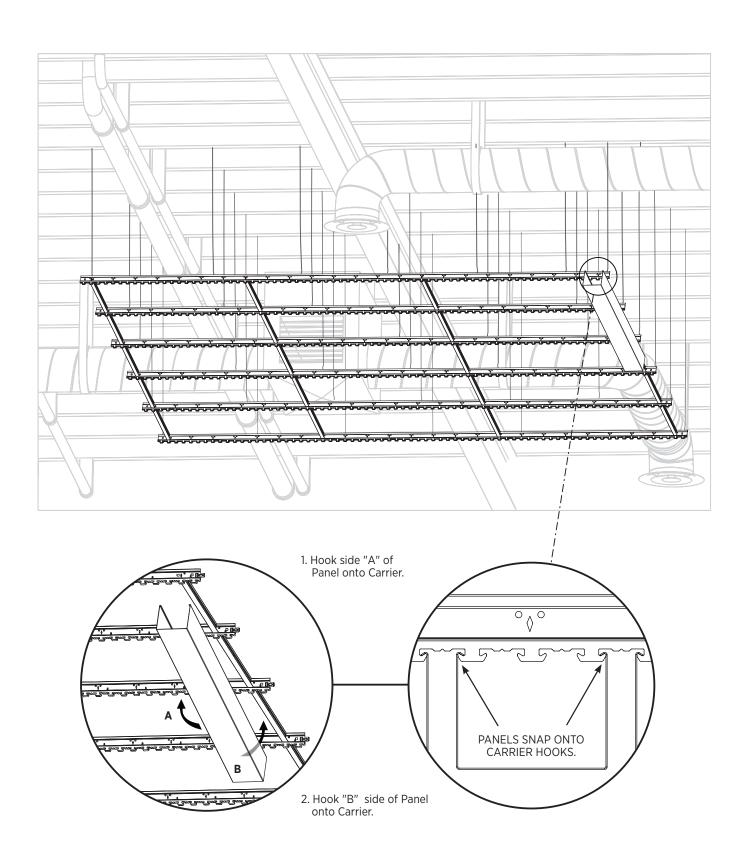


The Planx $^{\circ}$ Universal Integral Reveal System is fully accessible - see page 32 for panels removal.

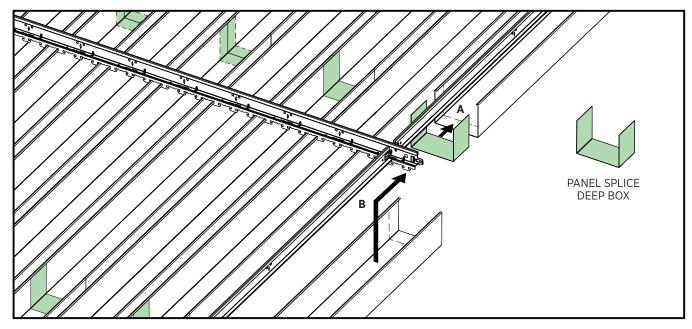
INSTALL NO-REVEAL PANELS TO GRID



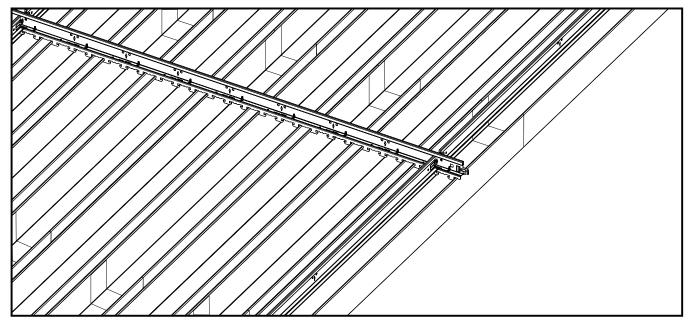
INSTALL DEEP BOX PANELS TO GRID



SPLICE INTEGRATION FOR DEEP BOX PANELS

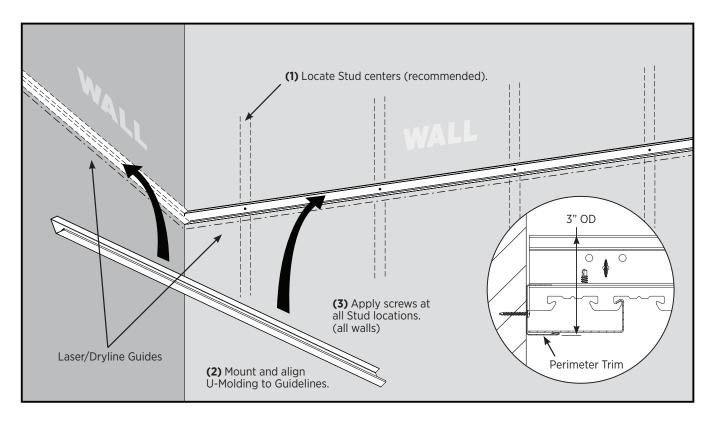


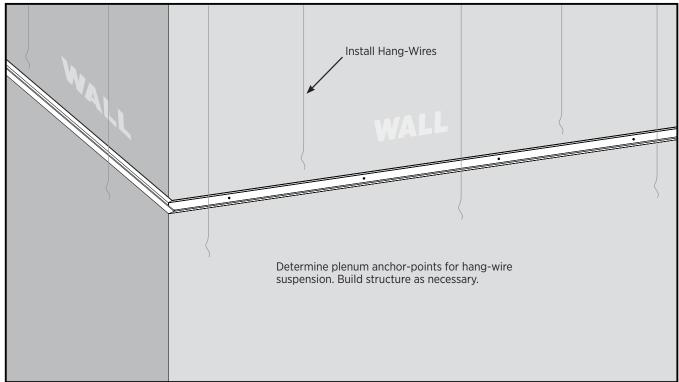
- 1. Slide "A" Splicer into mounted Panel. Splice must be centered with the Panel's edge.
- 2. Install "B" serial Panel and then slide onto Splice, flush to existing Panel.



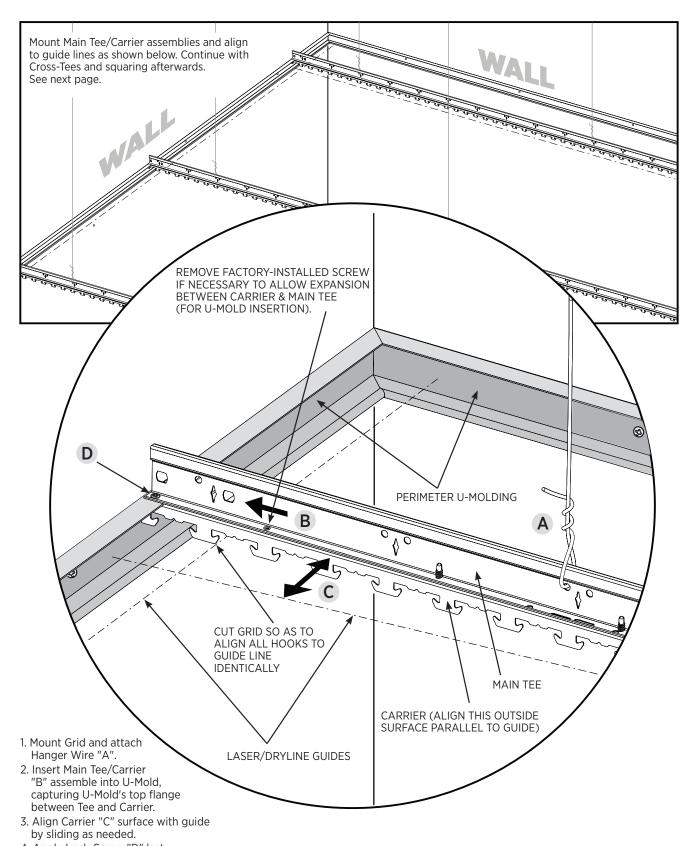
Deep box Splices installed at every Panel joint.

INSTALL U-MOLD CHANNELS TO WALLS (OPTIONAL-REVEAL SHOWN)



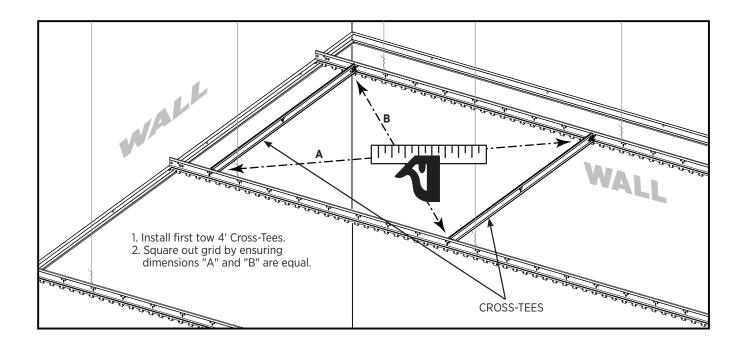


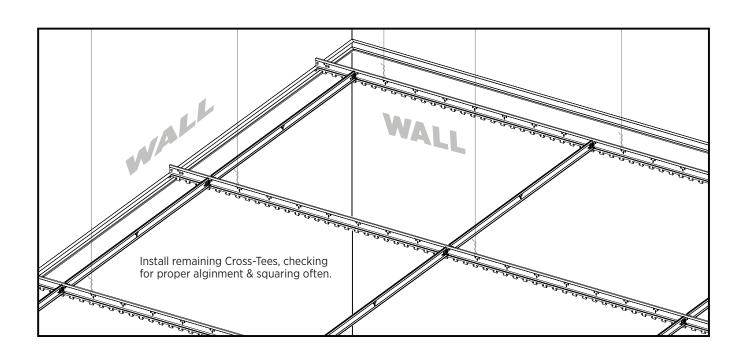
INSTALL AND ALIGN MAIN CARRIERS



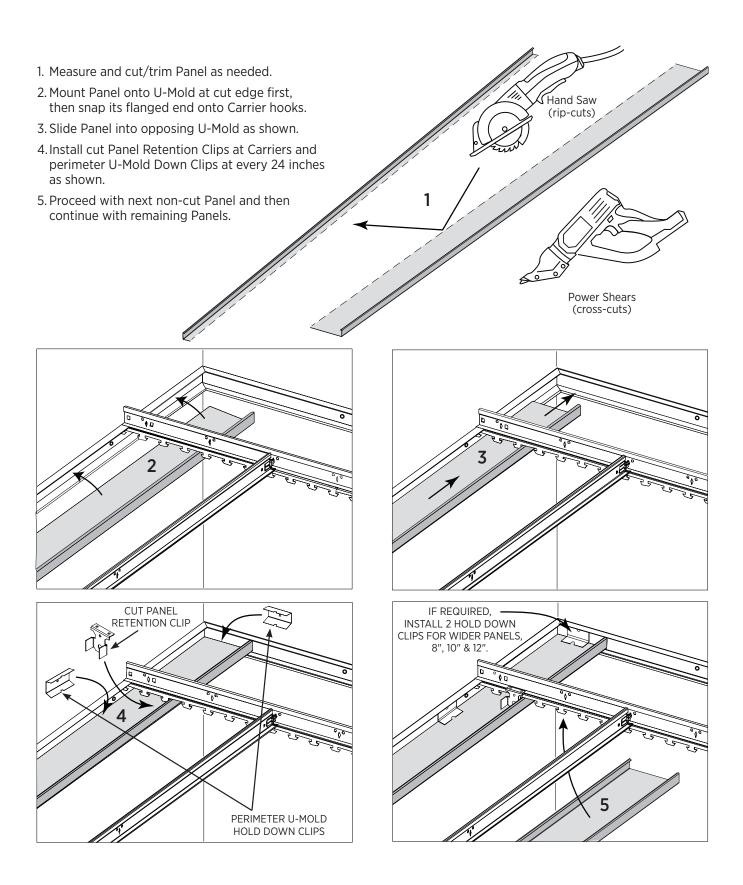
- 4. Apply Lock-Screw "D" last.
- 5. Adjust Hanger Wire.

INSTALL CROSS-TEES AND SQUARE GRID



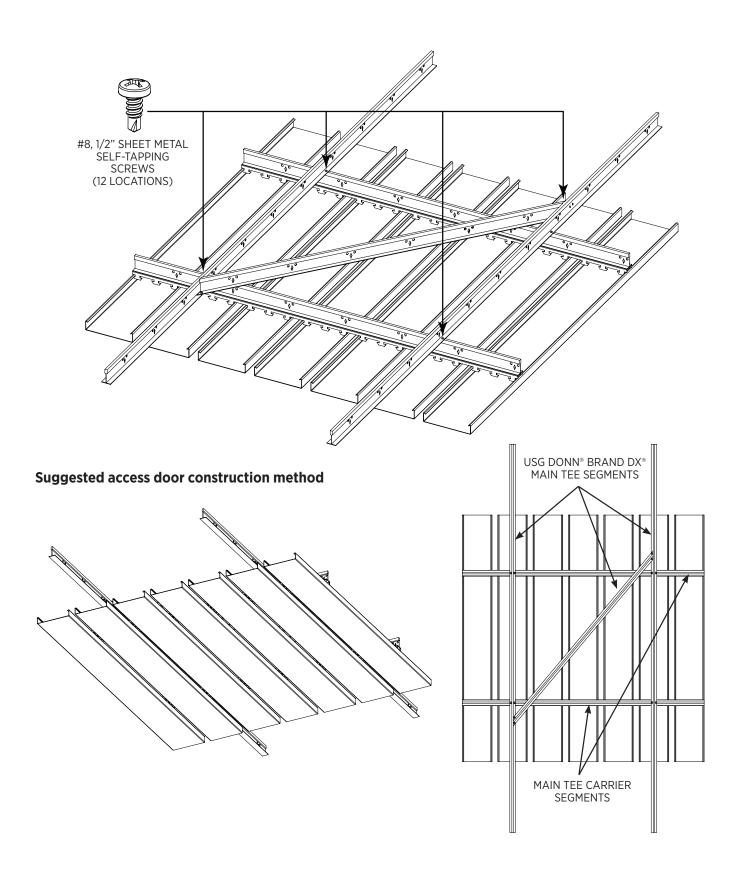


FIELD-CUT AND INSTALL PERIMETER PANELS

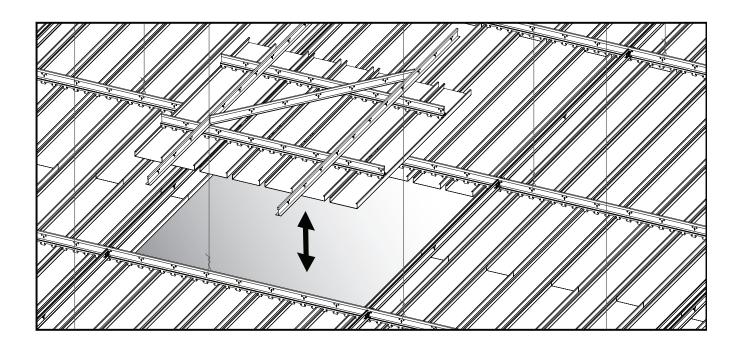


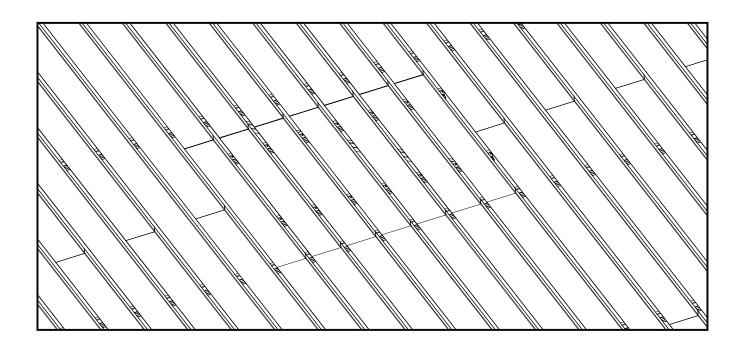
PLENUM ACCESS

ACCESS DOOR CONSTRUCTION - FIELD WORK

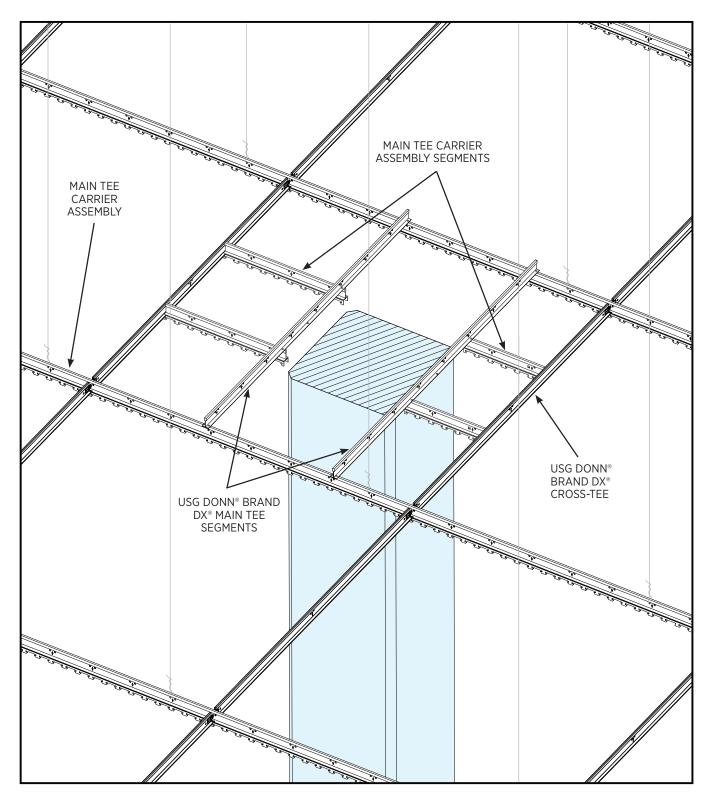


PLENUM ACCESS ACCESS PORTAL - FIELD WORK



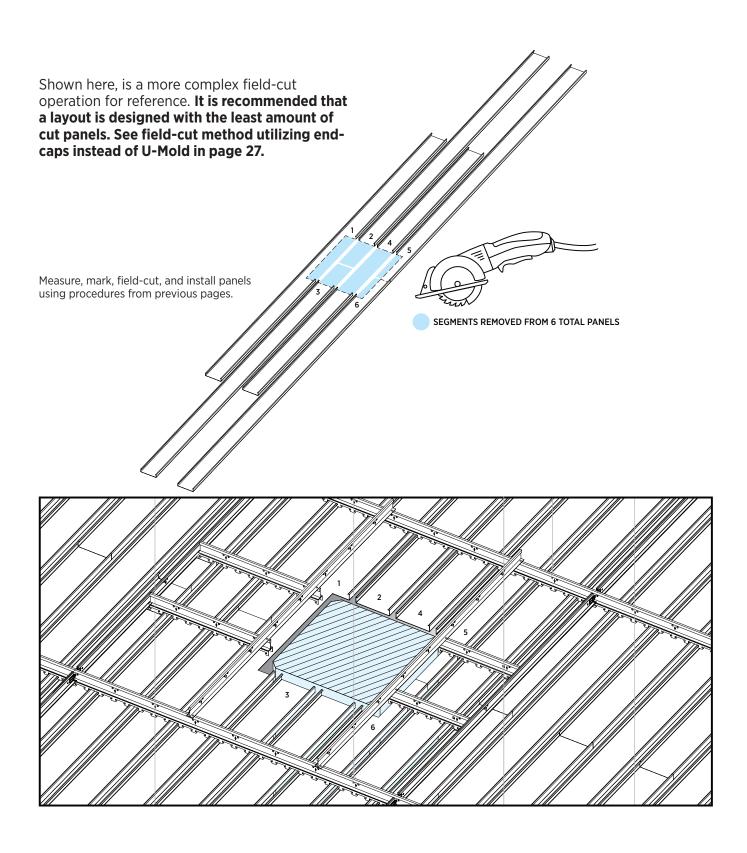


GRID FIELD-CUTTING FOR COLUMN INTEGRATION

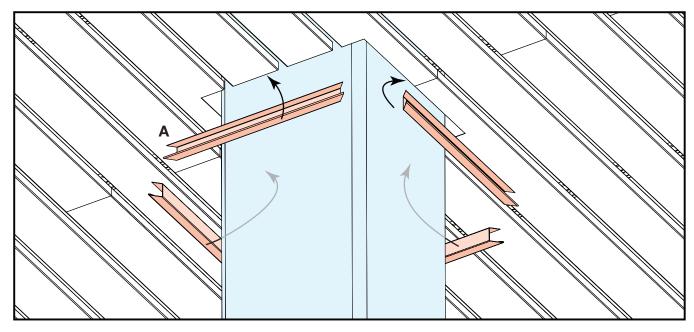


SUGGESTED CONSTRUCTION METHOD FOR PILLAR CLEARANCE

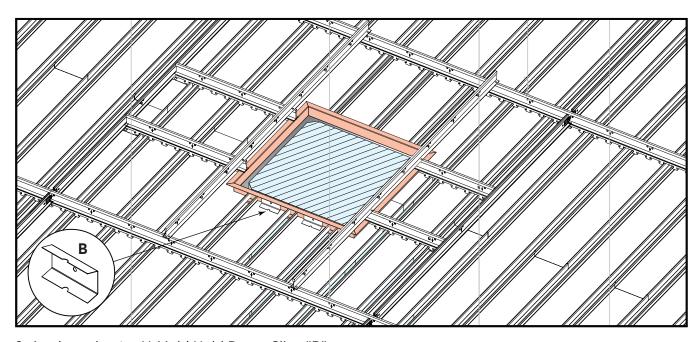
PANEL FIELD-CUTTING FOR COLUMN INTEGRATION



U-MOLDING INSTALLMENT FOR COLUMN INTEGRATION

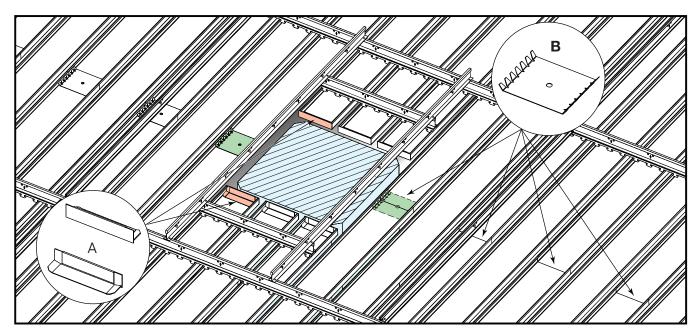


1. Position perimeter U-Molding "A".

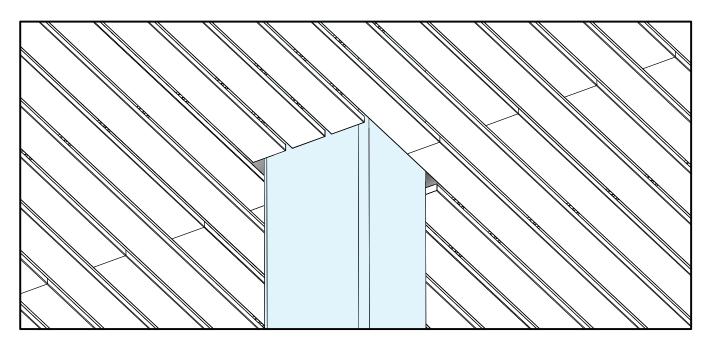


2. Apply perimeter U-Mold Hold Down Clips "B".

END-CAP AND SPLICE INSTALLMENT FOR COLUMN INTEGRATION



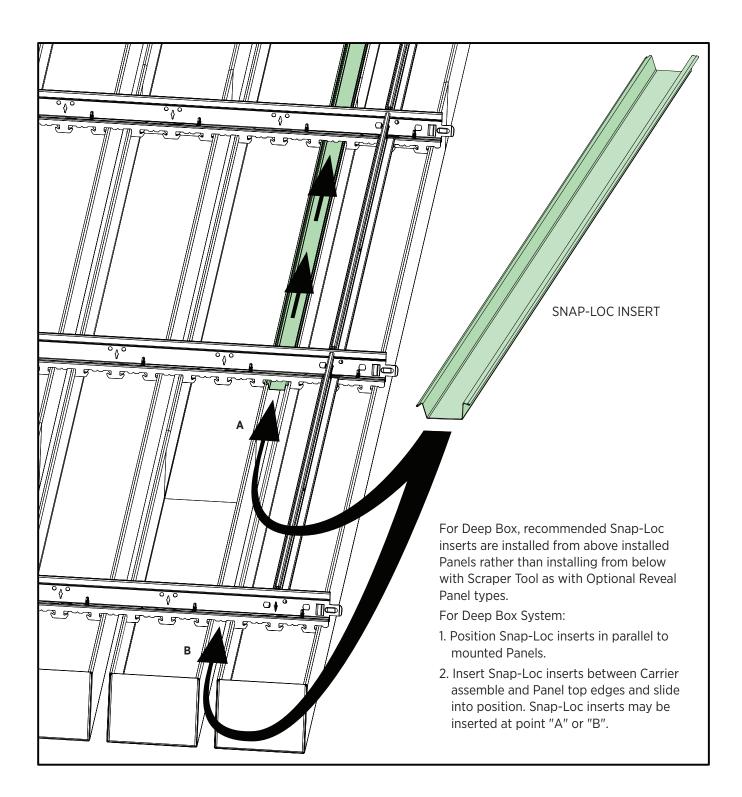
- 1. Alternate method for pillar clearance: Apply End-Caps "A".
- 2. Install Splices as shown (Panel joints should ideally exist away from Tees).



Completed Pillar Clearance Using End-Caps.

POST TREATMENT FOR REVEALS

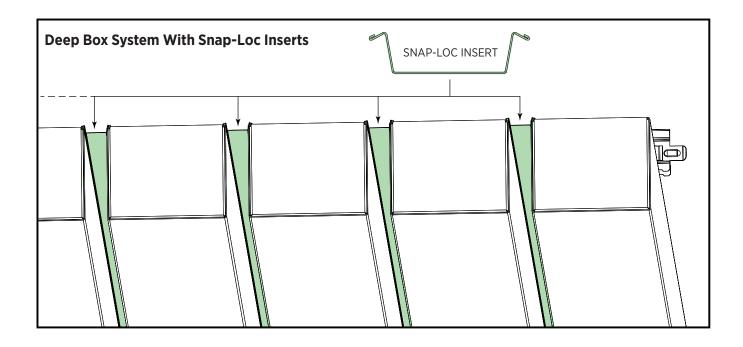
INSTALL SNAP-LOC INSERT - DEEP BOX SYSTEM

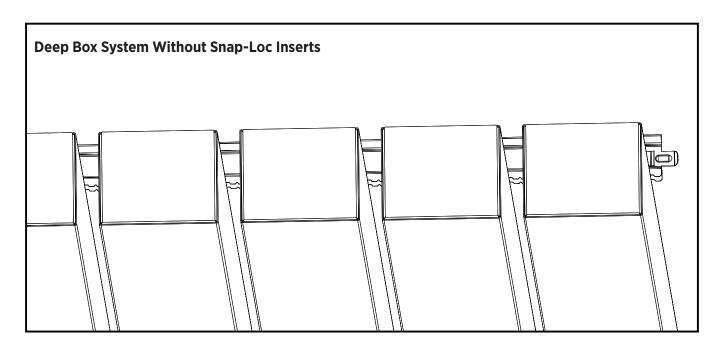


Installation Method For Deep Box Only.

POST TREATMENT FOR REVEALS

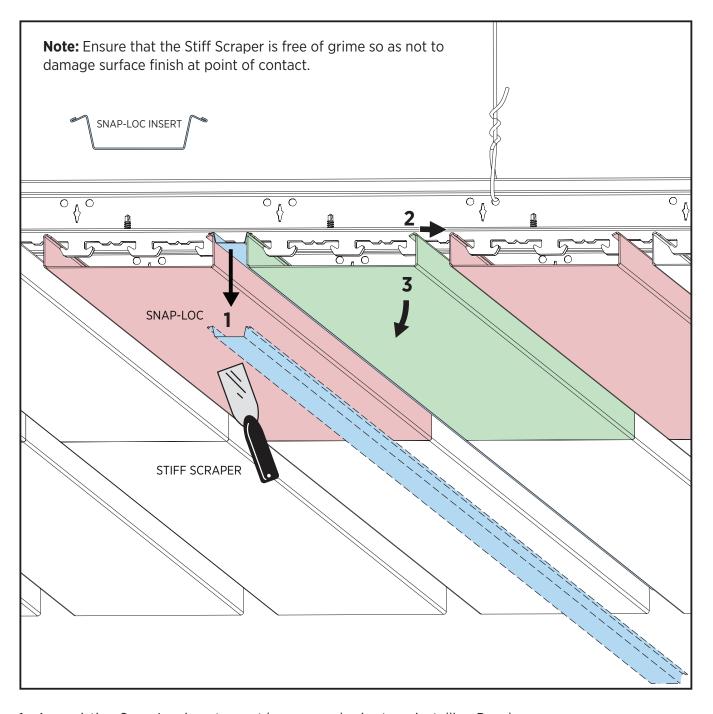
INSTALL SNAP-LOC INSERT - DEEP BOX SYSTEM





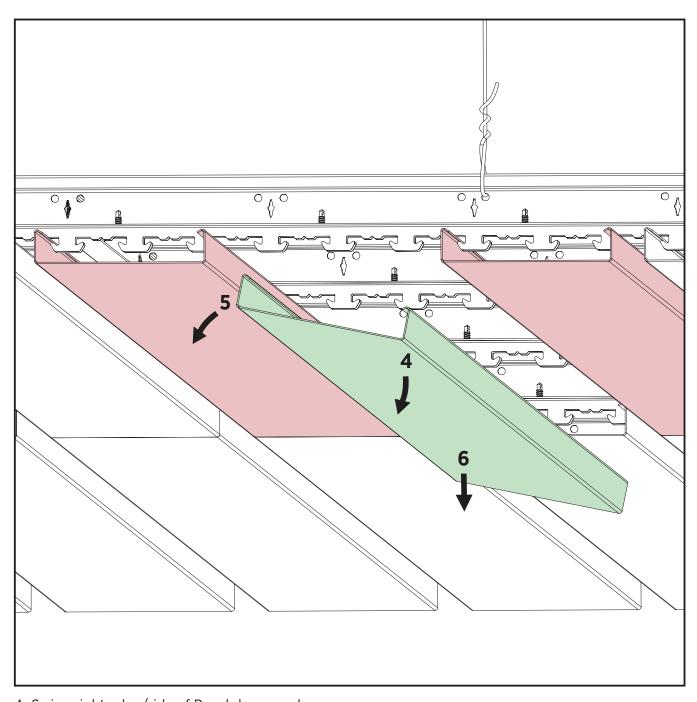
For Panels deeper than 2", install Panel security/closure Clip between deeb box Panels at Main Tee Carriers.

UNINSTALLING PANELS – OPTIONAL REVEAL SYSTEM (WITH SNAP-LOC INSERT REMOVAL)



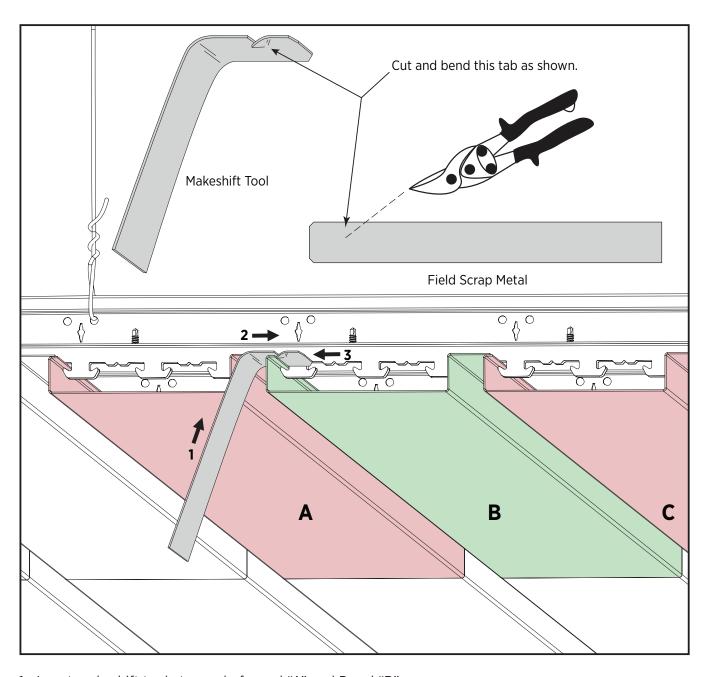
- 1. Any existing Snap-Loc inserts must be removed prior to uninstalling Panels.
- 2. Pull top edge of flange to the right to dislodge from hook.
- 3. Repeat for all hooks.

UNINSTALLING PANELS - OPTIONAL REVEAL SYSTEM



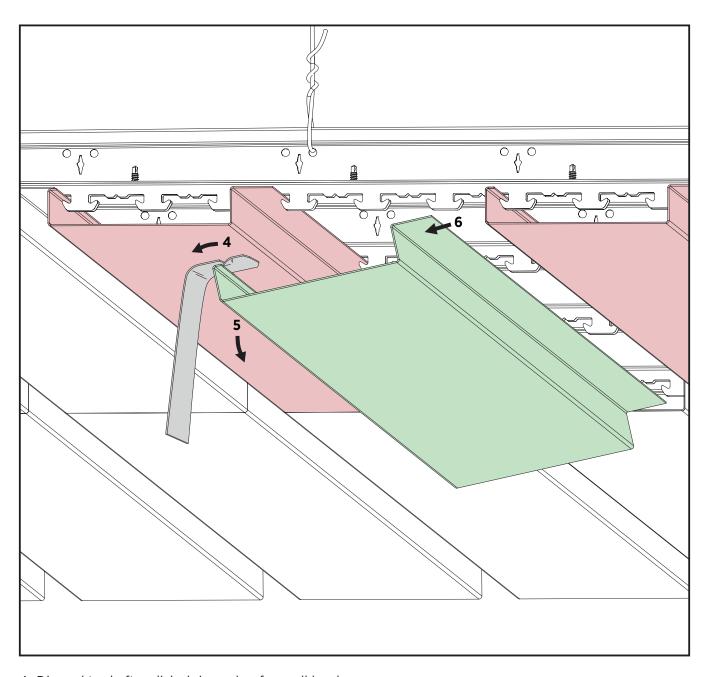
- 4. Swing right edge/side of Panel downward.
- 5. Dislodge all hooks on left side of Panel.
- 6. Lower and remove Panel. Repeat for remaining Panels.

UNINSTALLING PANELS - INTEGRAL REVEAL SYSTEM



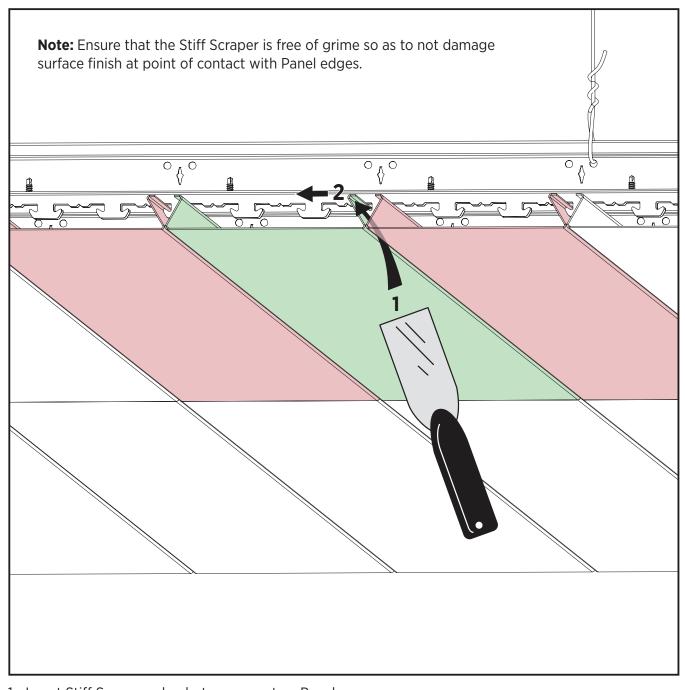
- 1. Insert makeshift tool at reveal of panel "A" and Panel "B".
- 2. Next, insert tool's tab between right horizontal flange of Panel "A" and left horizontal flange of Panel "B".
- 3. Pull top, snagged flange of Panel "B" outward, dislodging it from Carrier's hook. Repeat for all hooks.

UNINSTALLING PANELS - INTEGRAL REVEAL SYSTEM



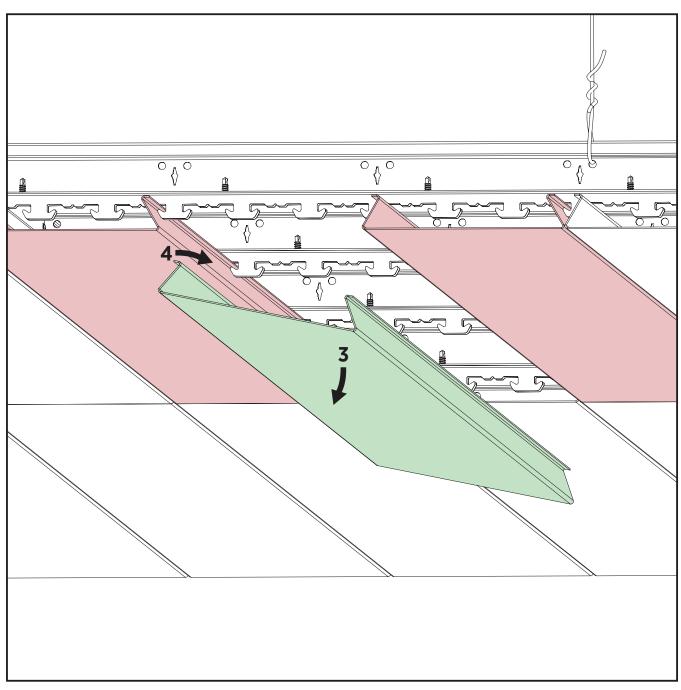
- 4. Discard tool after dislodging edge from all hooks.
- 5. Swing left edge/side of Panel downward.
- 6. Slide right edge outward to the left and down to complete removal. Remaining Panels can now be removed manually (without tool).

UNINSTALLING PANELS - NO-REVEAL SYSTEM



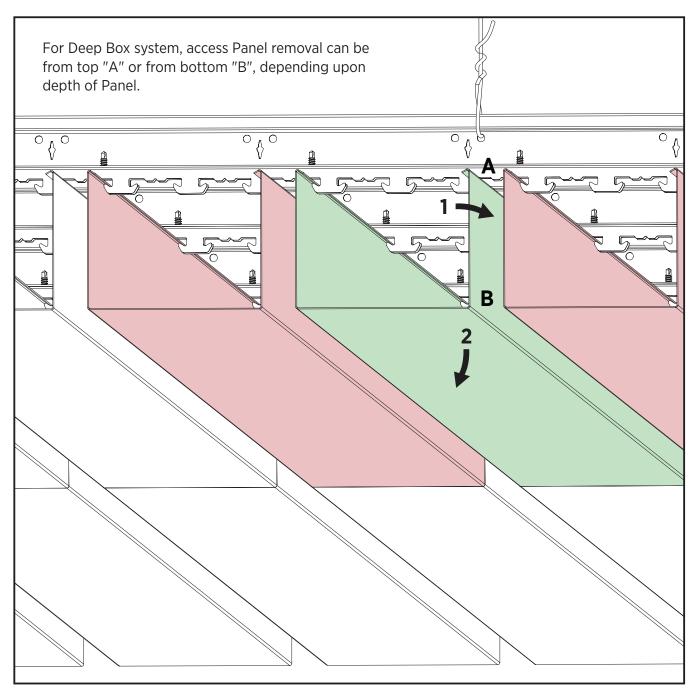
- 1. Insert Stiff Scraper edge between any two Panels.
- 2. Next, push top flange inward to dislodge from hook. Repeat for all hooks.

UNINSTALLING PANELS - NO-REVEAL SYSTEM



- 3. After dislodging all hooks, swing edge/side down.
- 4. Next, dislodge opposite edge from hooks and lower panel to remove.

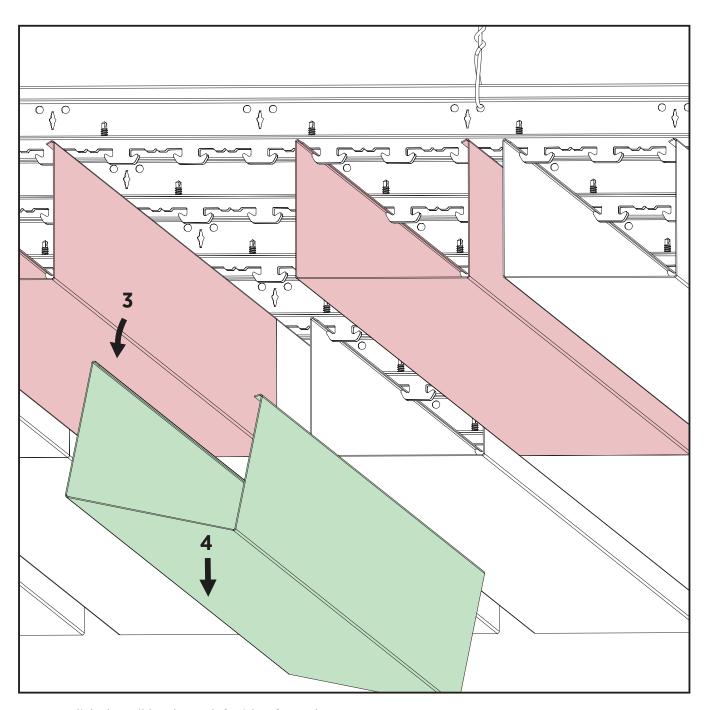
UNINSTALLING PANELS - DEEP BOX SYSTEM



- 1. Pull top edge flange to the right to dislodge from hook.
- 2. Repeat for all hooks and swing right edge/side down.

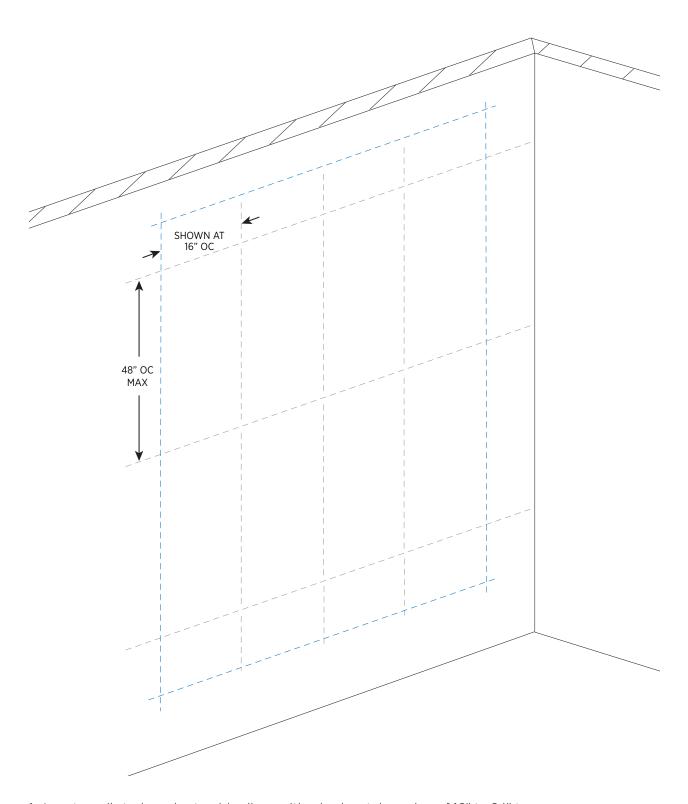
PANEL REMOVAL PROCEDURES

UNINSTALLING PANELS - DEEP BOX SYSTEM



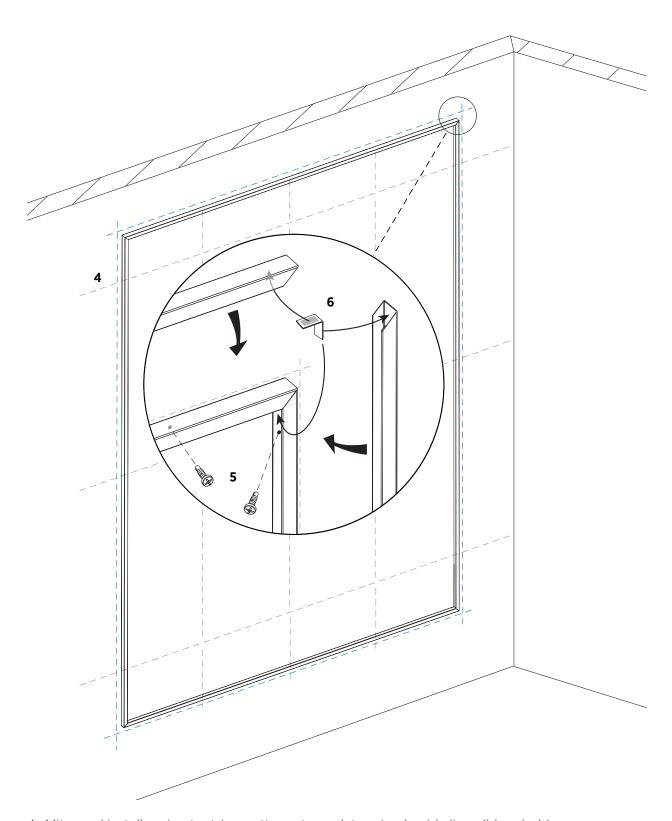
- 3. Next, dislodge all hooks on left side of Panel.
- 4. Lower and remove Panel. Repeat for remaining Panels.

SETTING UP GUIDELINES/DRYLINES - OPTIONAL REVEAL SYSTEM



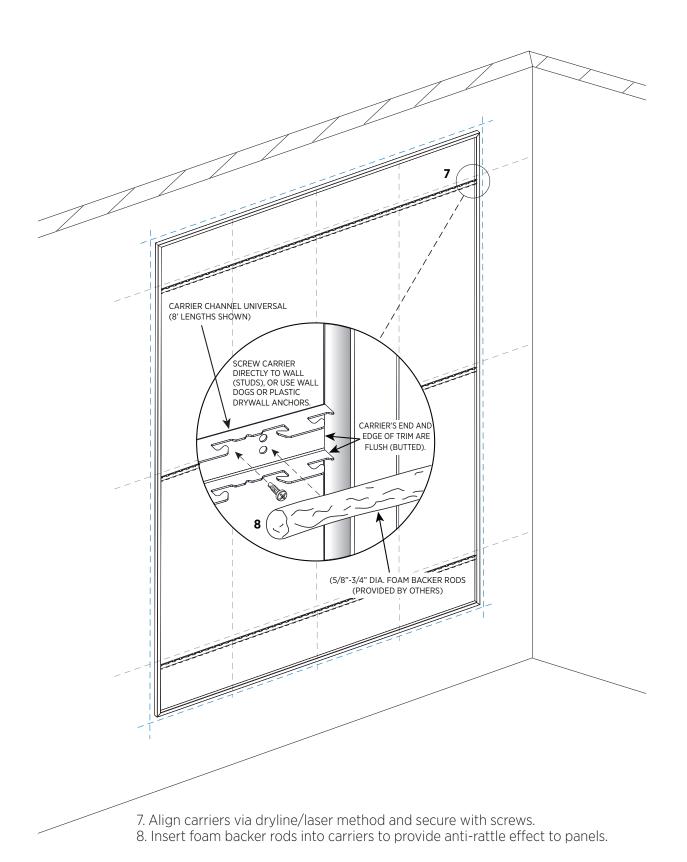
- 1. Locate wall studs and set guides lines with a horizontal spacing of 16" to 24" typ. (For carrier screws placement).
- 2. Set guidelines with a vertical spacing of 48" typ (for carrier placement).
- 3. Set guidelines for perimeter trim as shown blue dash (see final page for end result).

MOUNTING PERIMETER TRIM - OPTIONAL REVEAL SYSTEM

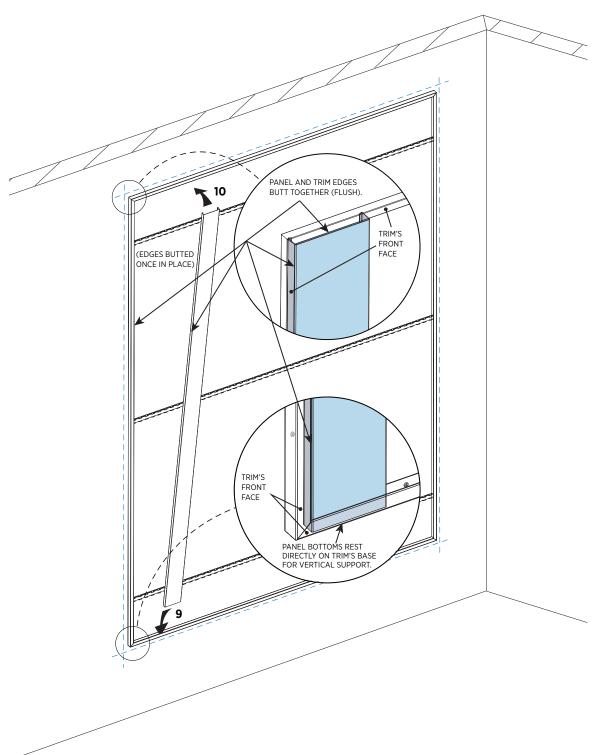


- 4. Miter and install perimeter trim sections at pre-determined guide lines (blue dash).
- 5. Apply screws as shown.
- 6. Apply angle splices at all joints using DC tape.

MOUNTING CARRIERS AND FOAM ROD FILLERS - OPTIONAL REVEAL SYSTEM

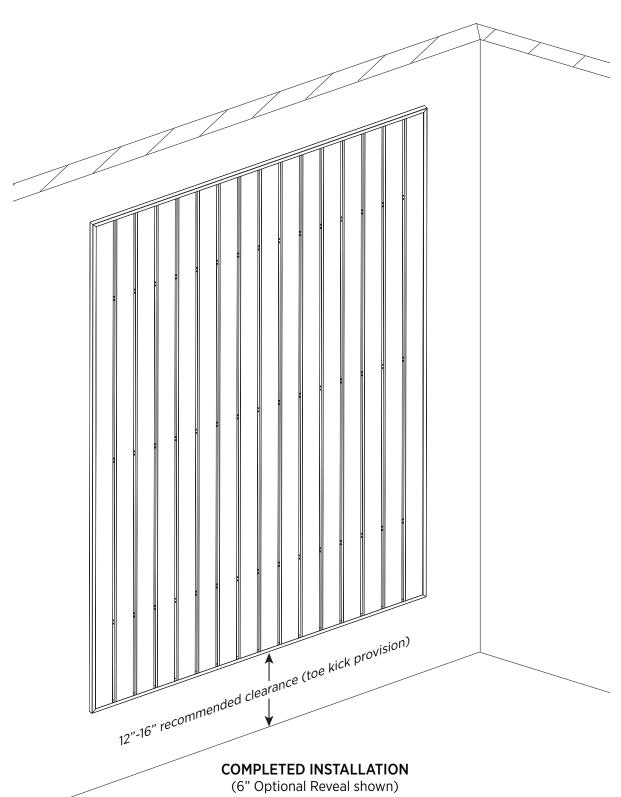


INSTALLING PANELS INSIDE PERIMETER FRAME -OPTIONAL REVEAL SYSTEM



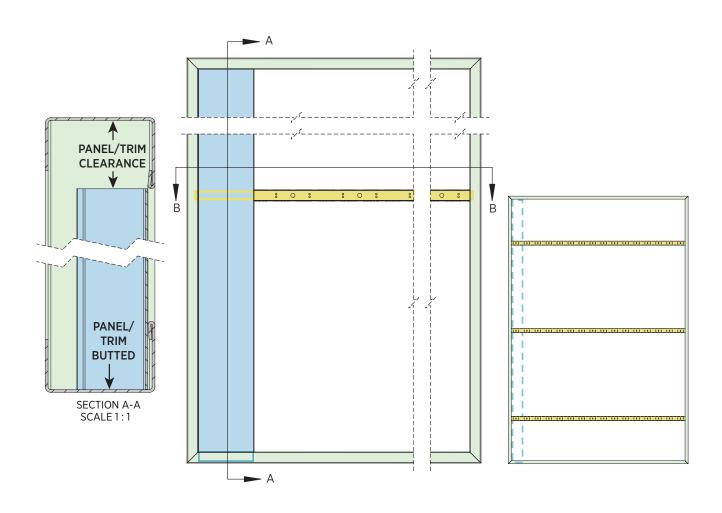
- 9. Insert panel's bottom end into bottom horizontal trim ensuring bottom touches base of trim.
- 10. Swing panel inward from top ensuring all hooks engage with hooks. Top and side edges of panels rest flush with trim. Repeat for remaining panels.

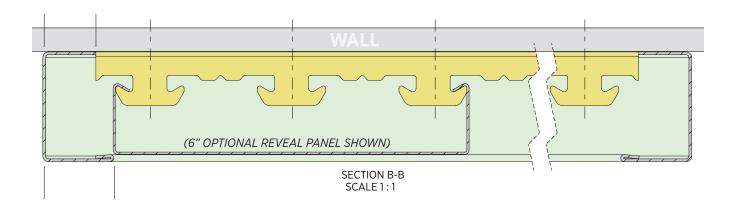
FINALIZING INSTALLATION - OPTIONAL REVEAL SYSTEM (WITHOUT SNAP-LOC INSERTS)



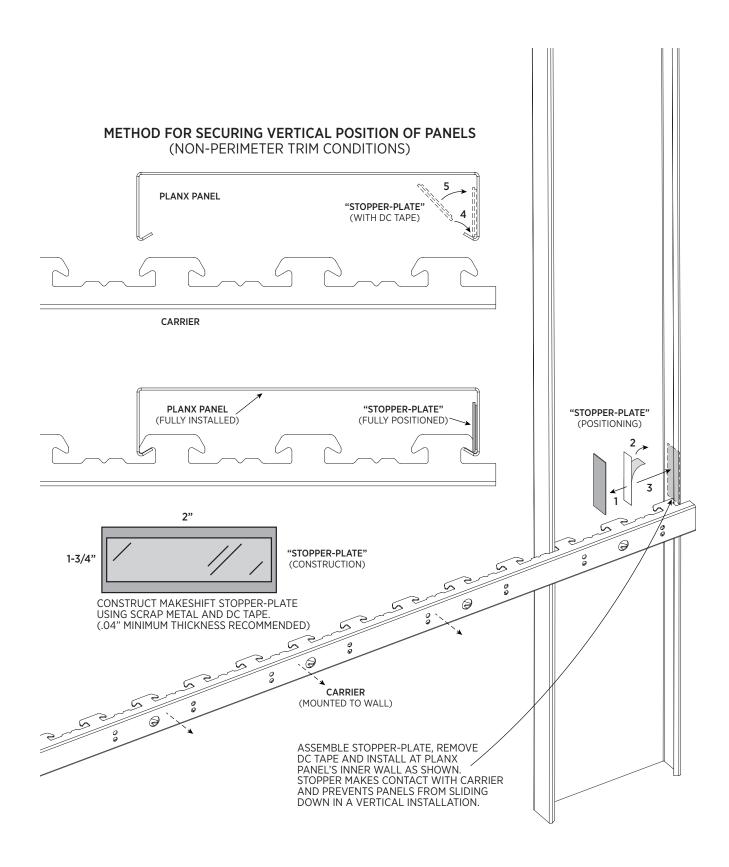
Note: The Planx Universal system is not impact resistant and should not be used in high traffic areas.

JOINT DETAILS FOR TRIM, CARRIERS, & PANELS - OPTIONAL REVEAL SYSTEM

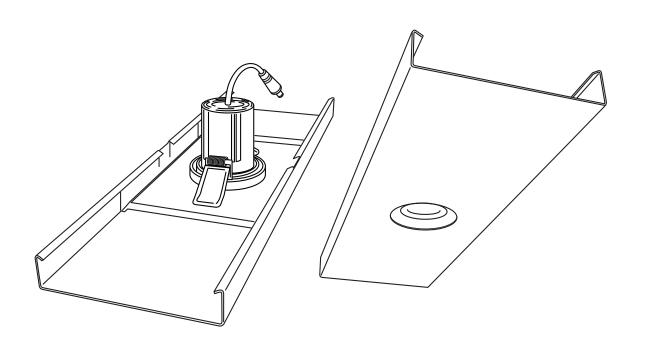




SECURING VERTICAL POSITION - NON PERIMETER TRIM CONDITION

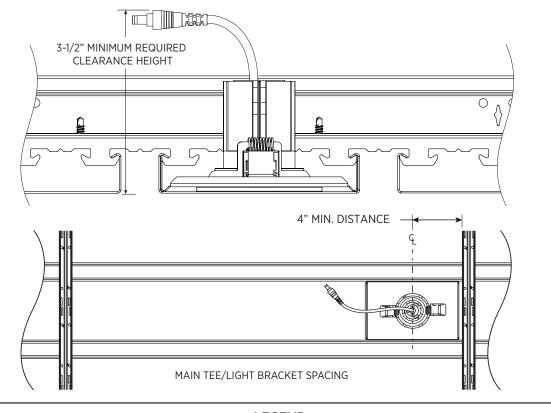


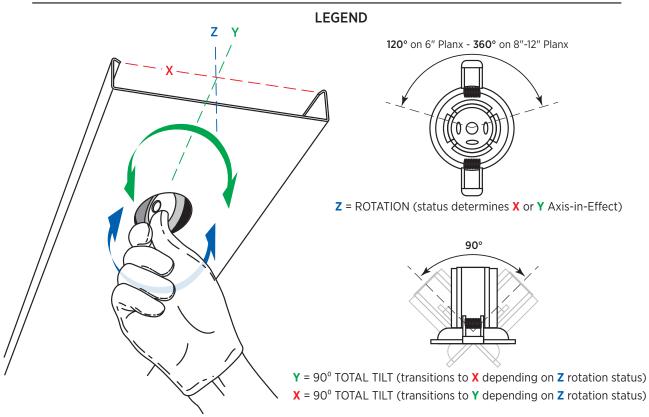
ILLUMINANCE™ PANEL INSTALLATION PROCEDURES



ILLUMINANCE™ PANEL INSTALLATION PROCEDURES

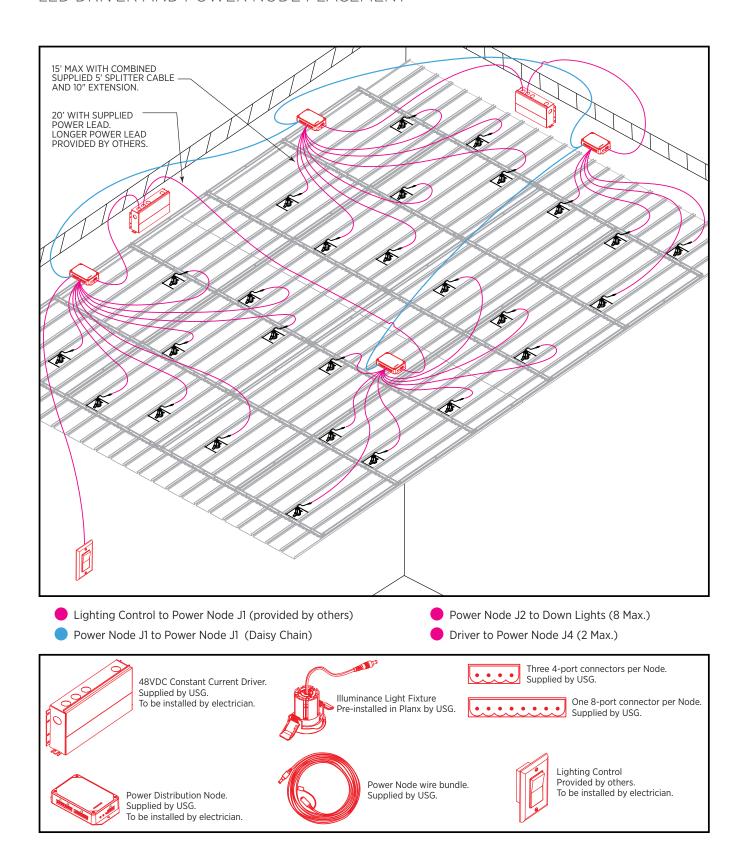
ILLUMINANCE™ PLACEMENT AND ORIENTATION





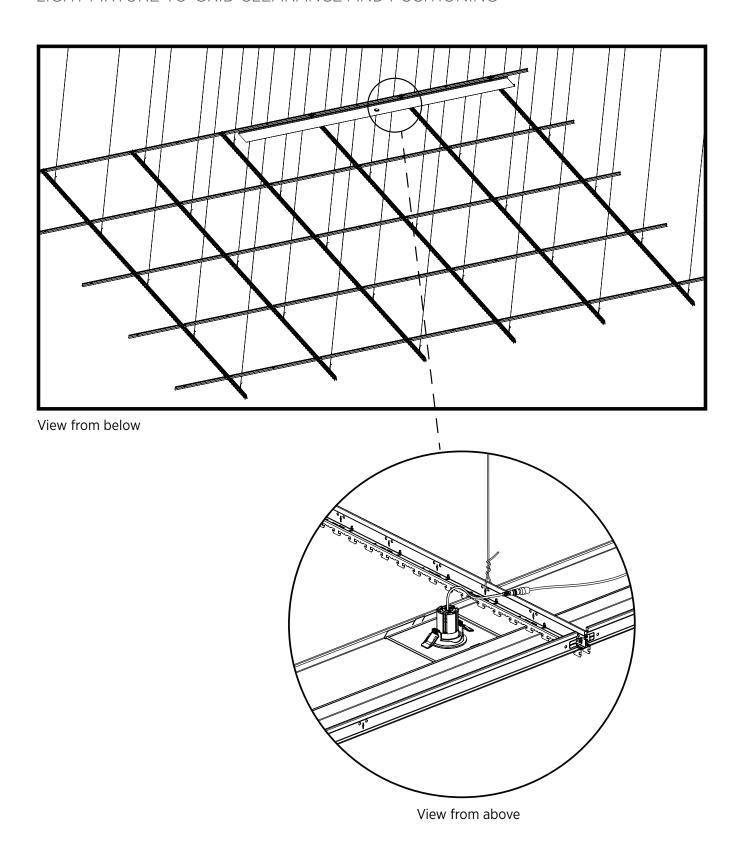
ILLUMINANCE™ PANEL INSTALLATION PROCEDURES

LED DRIVER AND POWER NODE PLACEMENT



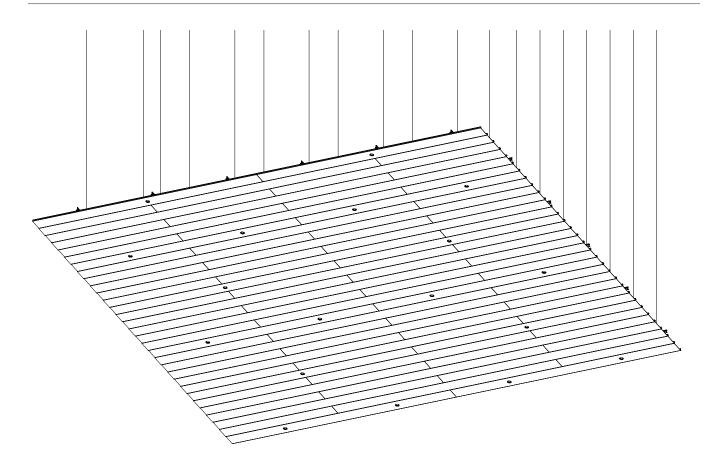
ILLUMINANCE™ PANEL INSTALLATION PROCEDURES

LIGHT FIXTURE-TO-GRID CLEARANCE AND POSITIONING



ILLUMINANCE™ PANEL INSTALLATION PROCEDURES

FULLY INSTALLED SYSTEM



Panel Types Shown:

1-Light 8" No-Reveal 2-Light 8" No-Reveal Non-Lit 8" No-Reveal

MAINTENANCE

ADJUST AND CLEAN

- 1. Adjust ceiling components to provide a consistent finish and appearance in conformity with established tolerances and requirements.
- 2. 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.
- 3. Remove and replace work that cannot be successfully cleaned and repaired to permanently eliminate evidence of damage, including dented and bent units. Reference USG metal ceilings cleaning guide.

SUPPORT

Contact your sales rep for any additional support.



USG: 800 950-3839 CGC: 800 387-2690

TECHNICAL SERVICE

800 USG.4YOU (874-4968)

WEBSITES

usg.com cgcinc.com usgdesignstudio.com cgcdesignstudio.com ecomedes.com

SAMPLES/LITERATURE

USG: usg.com CGC: Contact Local Sales Rep

IC349054/rev 1-25

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Manufactured by USG Interiors, LLC 550 West Adams Street Chicago, IL 60661

Prior to installation, make sure your project complies with any seismic and 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. For all terms and conditions, see usg.com/terms-and-conditions.

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