

WOODWORKS® Concealed Trim

Installation Instructions



1. GENERAL

1.1 Product Description

WoodWorks® Concealed Trim is a unique system designed for use with WoodWorks® Concealed or WoodWorks® Linear Veneered Panels and Armstrong® Heavy-duty Prelude® 15/16" suspension system.

The trim consists of a 6" high x 10' long trim piece which is constructed of aluminum and painted in black.

The fine edge on the trim duplicates the 1/4" panel reveal at the edge of a WoodWorks Concealed installation which is for full-panel installation only. The flat edge on the trim should be used for installations with border panels that have been cut.

1.2 Material Delivery

WoodWorks Concealed Trim (Item 6603W1BL) is packaged 6 pieces per carton. Components and hardware (FXTBC & FX4SPLICE) are delivered to the job site in specially designed packaging. Exercise appropriate care to protect the finished surfaces of the trim.

1.3 Storage and Handling

The ceiling trim components must be stored in a dry interior location and must remain in cartons prior to installation to avoid damage. The cartons must be stored in a flat, horizontal position. Proper care should be taken when handling to avoid damage or soiling.

2. TRIM DESIGN & INSTALLATION CONSIDERATION

WoodWorks Concealed Trim is designed to be installed with WoodWorks Concealed or WoodWorks Linear Veneered Panels. Regardless of which panel being installed, a minimum of 2-panel long installation is recommended for floating installations with WoodWorks Concealed Trim (Item 6603W1BL).

3. INSTALLATION

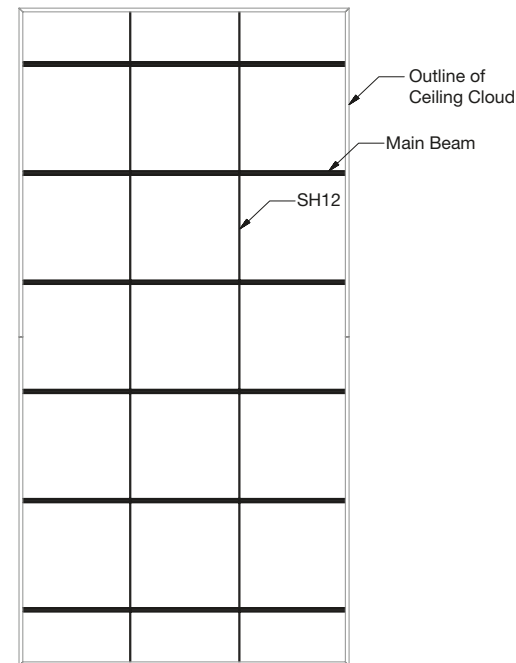
3.1 Pre-Assembly (Fig 1)

Review the location of the SH12 carrying channels. They will be located 2' from the longest side of the cloud and then 4' O.C. (note that in some instances this pattern will result in two SH12 carrying channels being positioned 2' from one another at the center of the cloud). Cut and splice SH12 together (if needed) to match the length of the cloud.

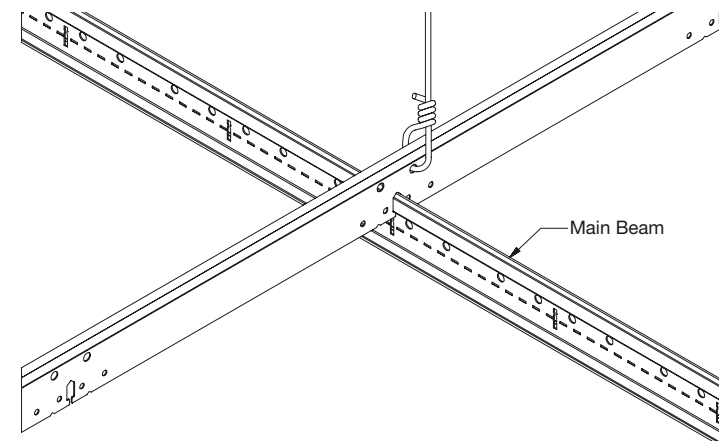
3.2 Install Main Beams

The main beams for a WoodWorks® Concealed floating installation should be cut to the nominal width of the cloud. For example, for a nominal 8' wide cloud, cut the main beams to 8'. These cuts should be made through a rout at both ends of the main beam. This will help to keep the right spacing for the cross tees in the system.

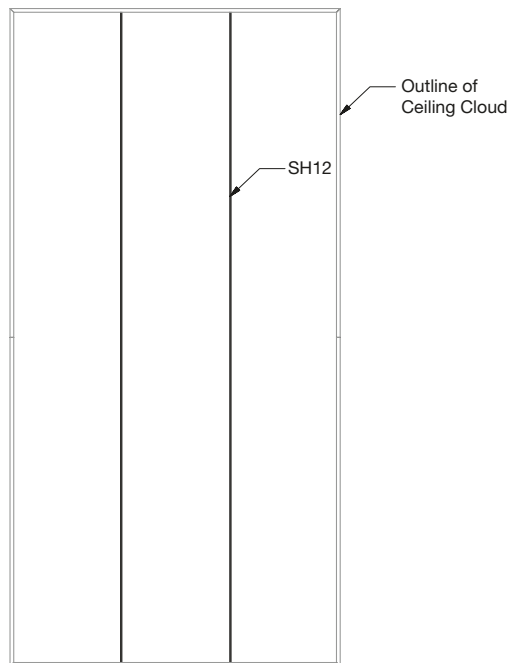
Install main beams into the appropriate notches on the SH12 Hanging Channels. The first main will be 1' from the end of the channel and the remainder will be placed at 2' centers. Slide the main through the notches or bend the tab on one side of the notch out of the way so that the main can be installed from below. Bend the tab back into position under the bulb of the main (Figs 2 & 3).



(Fig 2)



(Fig 3)



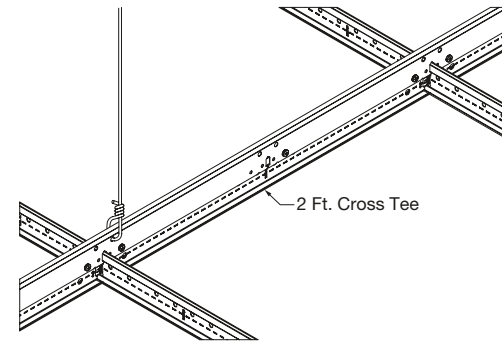
(Fig 1)

3.3 Install Cross Tees

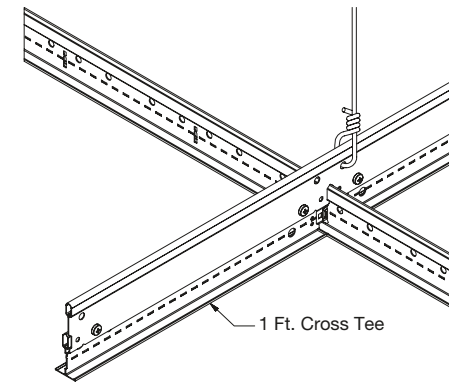
Install 2' cross tees between main beams. After all tees have been installed, slide the SH12 Hanging Channel along the main beams so that it rests against the cross tees. Screw the support channel to the tees by inserting a #8 × 9/16" sharp point sheet metal screw into the holes on each side of the main. Bend the tabs at the ends of the SH12 support channel, as shown, so that they will fit under the bottom of the bulb of the tees and secure with a #8 × 9/16" screw. Cut 1' cross tees and insert into outside main beams to match 2' cross tees. Secure with screws (Figs 4 & 5).

3.4 Attach Trim Clips to Main Beams and Cross Tees

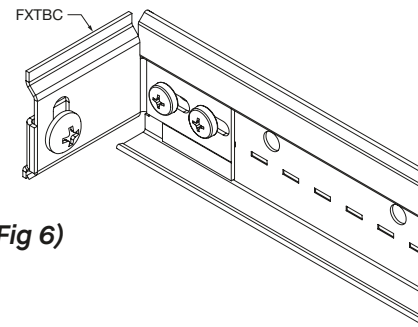
Attach Trim Clips (Item FXTBC) to end of each main runner and cross tee by positioning, as shown, in the drawing. The top of the clip should touch the bottom of the bulb of the grid and the end of the main should align with bend in clip. Secure each clip with two pop-rivets or #8 sheet metal screws (screws are used so clips can be adjusted) (Fig 6).



(Fig 4)



(Fig 5)

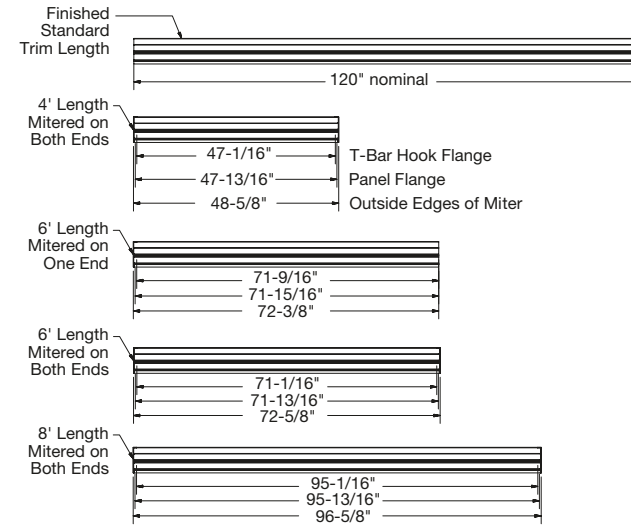


(Fig 6)

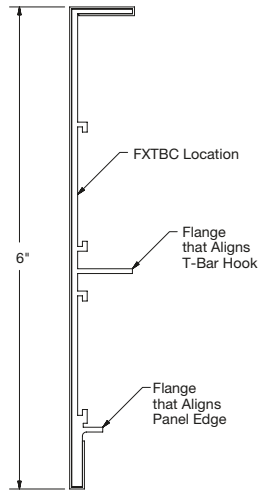
3.5 Cut and Miter Trim

WoodWorks® Concealed Trim (Item 6603W1) is available in 10' lengths with 6 pieces per carton. Cut trim sections and miter ends accordingly. Trim can be field-mitered using a power miter saw equipped with a blade designed to cut aluminum (**Figs 7 & 8**).

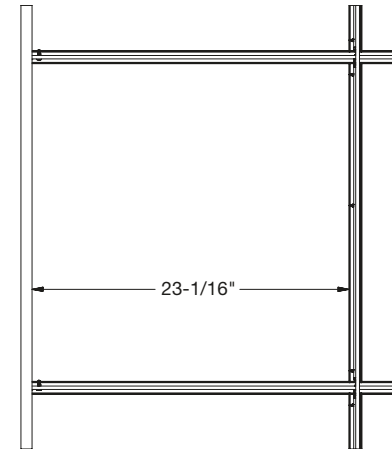
Test one piece of trim running the length of install to make sure the FXTBC clips are positioned correctly (measurement from T-bar hook flange to cross tee should be 23-1/16" – standard 2' x 2' grid opening) (**Fig 9**).



(Fig 8)



(Fig 7)



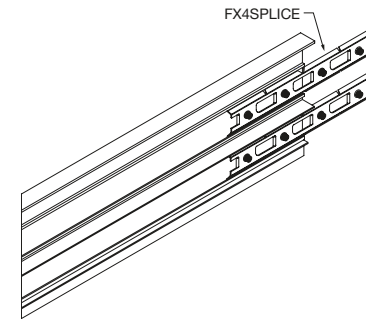
(Fig 9)

3.6 Attach Splice Plates to Trim

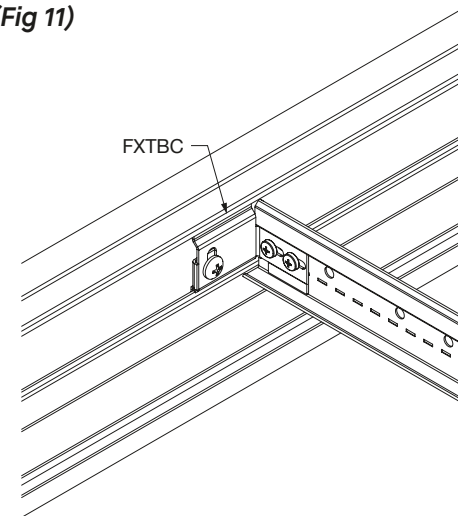
Steel Splice Plates (Item FX4SPLICE) are used to align and secure all joints between sections of trim. Two splice plates are required at each joint. Bend the splice plate at the center notches to form the desired corner angle. Splice plates are secured to the trim sections using factory-installed set screws. Where desired, it may be beneficial to caulk or tape the backside of the joints to prevent light transmission. To install splice plates, position the splice plate in the bosses on the inside of the trim (*Fig 10 & 11*).

3.7 Install Trim

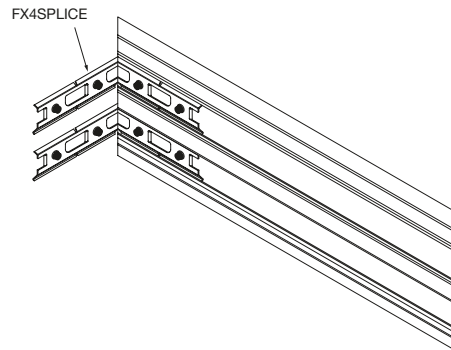
Install trim sections to main runners and cross tees by fastening FXTBC clip to trim. Make sure all main runners and cross tees stay straight and square while the trim is installed (main runner and cross tee position is critical for panel installation) (*Figs 12 & 13*).



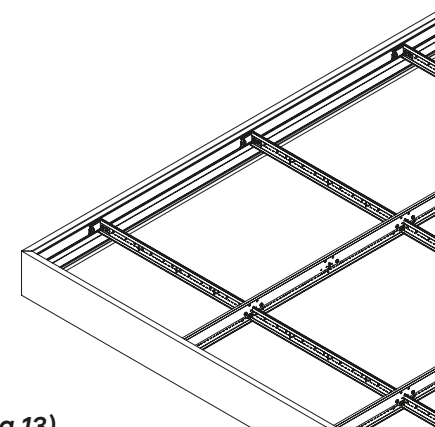
(Fig 11)



(Fig 12)



(Fig 10)



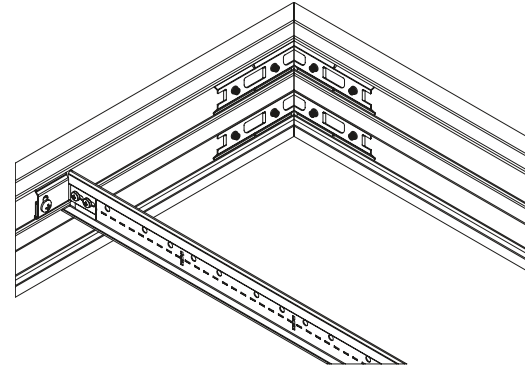
(Fig 13)

3.8 Corner and Straight Joint Assembly with Splice Plates

To secure each corner, position the mitered corner for correct alignment and tighten the two set screws on the Splice Plate (Item FX4SPLICE). Fasten the corner splice plates by starting at one corner and working around to the other three corners. Then, fasten the splice plate at the flat joints (*Fig 14*).

To secure splice plates for straight trim joints, pull the trim tightly together for the best fit. Use a 1/8" hex key wrench to tighten the set screws that secure splice to trim. **CAUTION:** Do not overtighten these screws to the point where they distort the face of the trim.

When splicing straight sections of trim together, the trim joint should fall between the grid connections as detailed so it will not interfere with the FXTBC clip and grid connection. Trim for clouds wider than 8' should be cut so the joint is located between cross tee connections (*Fig 15*).



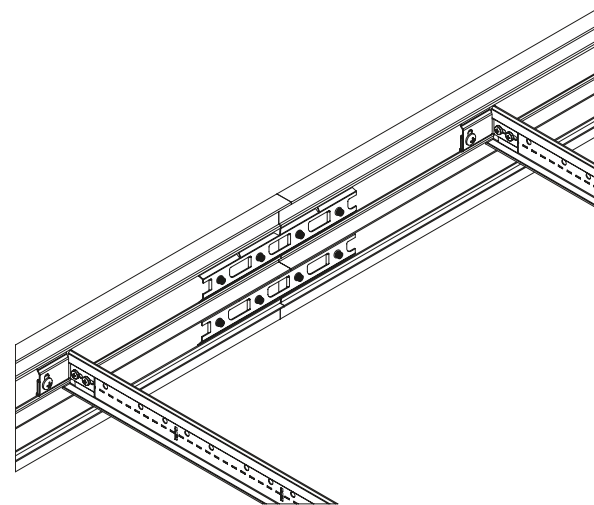
(Fig 14)

4. INSTALL THE PANELS

For full panel installation details and instructions, refer to WoodWorks® Concealed (BPLA-297524) or WoodWorks® Linear Veneered Panels (BPLA-297857) installation instructions.

4.1 First Row

First row panels are installed with the open side of the clips facing the trim. Raise the hooks above the level of the grid and move the panel toward the wall. Lower the clips onto the bulbs of the main beams. The clips will fit between the cross tees and center the panels under the grid opening. Attach two safety cables at diagonal corners of the panel. Cinch the loop end of the cable around the main beam and connect the clip at the other end to one of the holes on the hook.



(Fig 15)

4.2 Middle Row

Apply hooks to the remaining full-size panels and install in the same direction as the first row. Attach two safety cables to each panel as they are installed.

4.3 Last Row

Panels in the last row are reversed so that they install with the open side of the hooks facing the trim. Raise the factory end of the panel up and over the end of the one in the next to last row to allow the hooks to clear the grid. Shift the panel up and toward the wall to engage the hooks onto the main beams. Install safety cables as the installation progresses. Cables on the last panel must be attached before the panel is positioned in the ceiling.

5. SEISMIC RESTRAINTS

Installations in areas requiring seismic restraint will require wires attached to each grid member within 8" of the cut end. Lateral force bracing must be consistent with locally approved standards or as detailed in the specifications. Check local code for the need for lateral bracing and/or compression posts/splay wires, perimeter wires, and for additional installation requirements.

MORE INFORMATION

For more information, or for an Armstrong Ceilings representative, call 877 276-7876.
For complete technical information, detail drawings, CAD design assistance, installation information, and many other technical services, call TechLine customer support at 877 276-7876 or FAX 800 572-TECH.

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