

AXIOM® Transitions

Installation Instructions

1. GENERAL

1.1 Description

Axiom Transitions simplifies the construction of drywall perimeters surrounding tegular or Vector® ceiling panels.

AXTRVESTR is available in 10-foot long straight sections only and is used with full module installations of Vector ceiling panels. It is 2-9/16" high.

AXTRTESTR is available in 10-foot long straight sections, is 1-9/16" high and is designed for use with tegular ceiling panels.

AXTRTECUR, also for use with tegular panels, can be curved to a minimum radius of 4 foot.

Acoustical-to-Acoustical, Acoustical-to-Drywall, Drywall-to-Acoustical and Drywall-to-Drywall transitions can be made in 2", 4", 6" and 8" transitions. These transitions are available in 10-foot straight or curved sections with a minimum bend radius of 36":

| | |
|---------------|---------------|
| Straight: | Curved: |
| AXTR2STR – 2" | AXTR2CUR – 2" |
| AXTR4STR – 4" | AXTR4CUR – 4" |
| AXTR6STR – 6" | AXTR6CUR – 6" |
| AXTR8STR – 8" | |

*8" Axiom Transition cannot be bent.

The versions for tegular panels can be used with full size or cut ceiling panels.

These Axiom Transitions sections feature an integrated taping flange that simplifies the finishing of the drywall edge.

These instructions are divided into four sections detailing material delivery and identification, component assembly, installation and final detailing. Please carefully review all appropriate sections before proceeding with installation.

2. MATERIAL DELIVERY AND IDENTIFICATION

2.1 Delivery

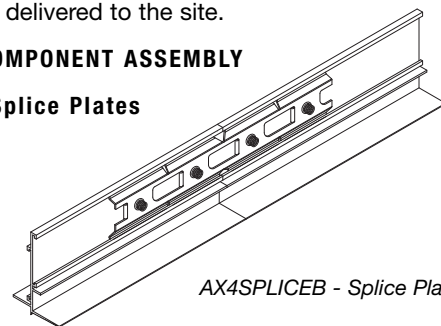
Axiom Transitions components and hardware are delivered to the job site in specially designed packaging. Exercise appropriate care to protect the finished surfaces of the channel trim.

2.2 Review

Review the packing slip to insure that the complete order has been delivered to the site.

3. COMPONENT ASSEMBLY

3.1 Splice Plates



AX4SPLICEB - Splice Plate

Steel splice plates are used to align and secure all joints between sections of Axiom Transitions trim. Each joint will require one splice. Splice plates are secured to the trim sections using factory-installed setscrews.

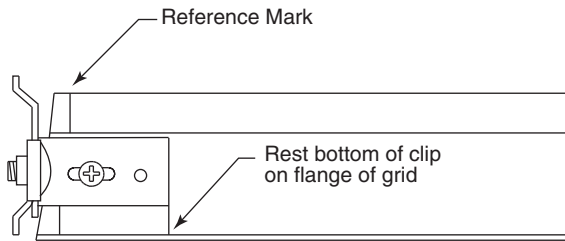
Typical procedure

- 3.1.1 Position the splice plate (AX4SPLICEB) in the bosses on the inside of the trim.
- 3.1.2 Tighten the setscrews that secure the splice to the trim. **CAUTION:** do not overtighten these screws to the point where they distort the face of the trim.

3.2 T-Bar Connection Clips

T-Bar Connection Clips are used to attach the Axiom Transitions trim to the supporting suspension system members. These two-piece clips are supplied as an assembled unit with the steel locking screw factory installed. One clip is required at each location where the grid system intersects the channel trim.

T-Bar Connection Clips are attached to the grid members using screws supplied by the installer. Framing screws (#6 x 7/16" or 1/2" lg.) are typical.



Typical procedure

Review the packing slip to insure that the complete order has been delivered to the site.

- 3.2.1 Cut grid to length
- 3.2.2 Attach clip to grid member
- 3.2.3 Engage clip in channel bosses and tighten locking screw

4. GENERAL INSTALLATION PROCEDURES - AXTRTEXXX

4.1 Lay out and install the suspension system according to the reflected ceiling plan.

4.2 Attach the T-Bar Connector Clips

- 4.2.1 Align clip as shown in the drawing above.
- 4.2.2 Insert one framing screw near the center of the slot.

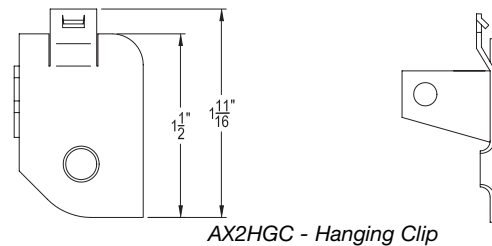
4.3 Install the Axiom Transitions

- 4.3.1 Hang the sections of trim onto the grid system by engaging the top ear of the connection clips under the boss of the channel trim. Slide the back plate downward to engage the lower boss on the trim and secure by tightening the locking screw.
- 4.3.2 Install the drywall grid system using additional AXTBC clips to complete the installation of the suspension system.
- 4.3.3 Complete the installation of all channel trim sections. Install and secure the splices.
- 4.3.4 Make adjustments as necessary to properly align the complete installation. Insert a second framing screw in each of the connection clips.

4.4 Add additional hanger wires as required.

- 4.4.1 The manufacturer requires that Axiom systems and their supporting suspension systems be installed and supported in a manner that complies with all applicable codes and standards. Typically this will require the use of #12 Ga. Galvanized, soft annealed steel wire, or equivalent. Specification and approval of alternate materials should be by design professionals familiar with the project. Wire wraps should be tight and neat.

- 4.4.2 Main beams must be supported 4' on center or by calculation based on actual ceiling weight.
- 4.4.3 Cross tees located on each side of the Axiom Transitions trim must be supported by wires located not more than eight inches from the trim.
- 4.4.4 Installations in areas requiring seismic restraint must have wires attached to each grid member within 8" of the cut end. This practice is highly recommended for all installations. Lateral force bracing shall be consistent with locally approved standards, or as detailed in the specifications.
- 4.4.5 Some seismic installations may classify the trim elements as "items" and require independent support from the building structure. In this situation two hanger wires, connected to Hanging Clips (AX2HGC) or through holes drilled through to web of the Axiom Transitions trim, will be required for each section of channel trim.



AX2HGC - Hanging Clip

- 4.4.6 Install, finish and paint 5/8" thick drywall panels.
- 4.4.7 Install ceiling panels after all drywall work is completed.
- 4.4.8 Color exposed cut edges of cut panels to match factory finish.

5 GENERAL INSTALLATION PROCEDURES - AXTRVESTR

5.1 Lay out and install the suspension system according to the reflected ceiling plan.

5.2 Cut and install the grid to maintain precisely 23-1/16" between the outer edge of the 15/16" T-bar grid and the inner edge of the Axiom Transitions trim.

5.3 Continue installation as detailed in sections 4.2 through 4.4.6

5.4 Install Vector ceiling panels.

6 FINAL DETAILING


6.1 Check and adjust the alignment of Axiom components and ceiling panels.

6.2 Clean exposed surfaces as required. Painted Axiom components may be wiped down with a mild household cleaner to remove fingerprints, oil, etc.

6.3 Touch up painted components as required.



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