

SINGLE TEE ADAPTER CLIP (STAC)

Installation Instructions

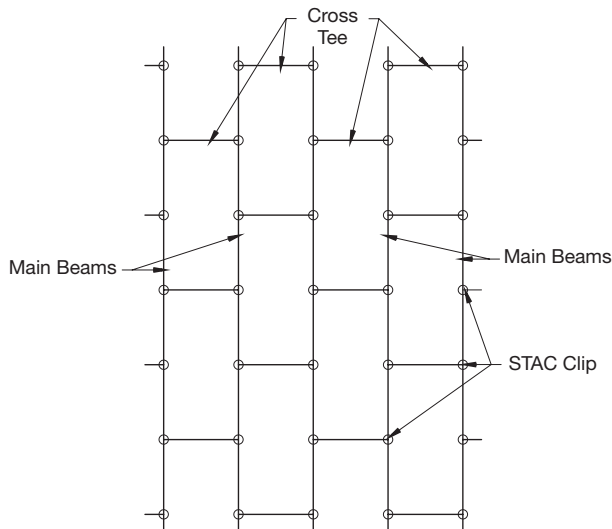
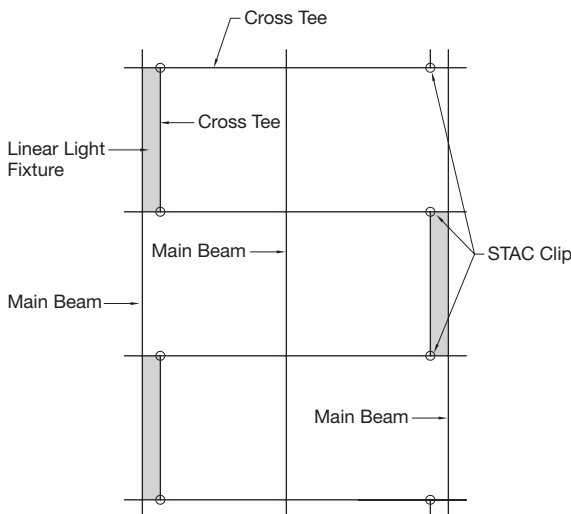
1. GENERAL

1.1 Description

The Single Tee Adapter Clip (STAC Clip) is used to create code compliant, off-module cross tee connections on Armstrong suspension systems where a cross tee intersects a main beam and is not locked into place with another cross tee.



STAC Clip (patent pending)



SUSPENSION SYSTEMS THAT CAN UTILIZE STAC INCLUDE:

- Prelude® XL®/ML
- Silhouette 1/4" XL*
- Suprafine® XL/ML
- Interlude® XL
- Silhouette® 1/8" XL*
- Armstrong Drywall Grid

* Silhouette XL suspension intersection will result in a non-mitered visual at STAC location

The STAC Clip:

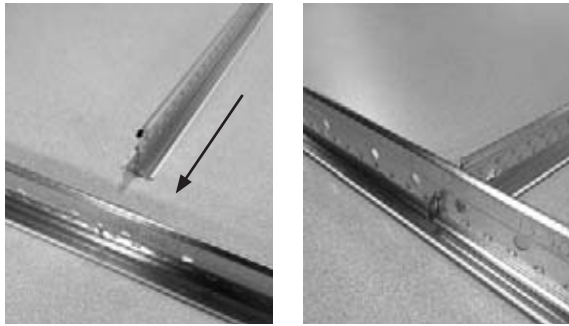
- Provides code compliant (non-seismic and Seismic Design Categories C and D, E, F) off-module main beam to cross tee connections
- Improves the squareness of the installed suspension system and prevents twisting of main beams
- Allows panel accessibility, no interference from screws, etc.
- Meets ASTM E580 compliant pullout strength
 - Seismic Design Category C requirement is 60 lbs
 - Seismic Design Categories D, E, F requirement is 180 lbs

1.2 Installation Considerations

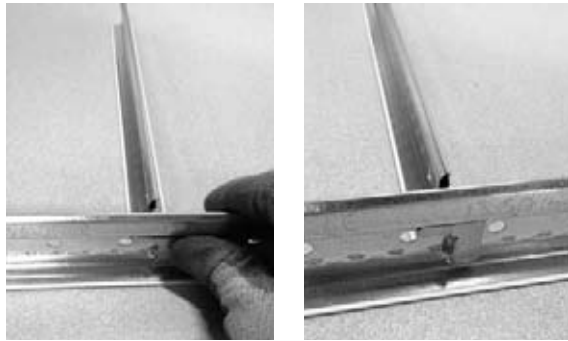
STAC Clips are intended for use with:

- Armstrong heavy-duty (HD) suspension systems in Seismic Zones C and D, E, F
- Armstrong intermediate-duty (ID) or light duty (LD) suspension systems in non-seismic zones
- Maximum main beam spacing is 48" O.C.
 - When using a running bond pattern, main beams are required between every row of tees
 - Cross tees may not be basket weaved
- Armstrong Mineral Fiber and Fiberglass ceiling panels of any size
- Armstrong Wood and Metal ceiling panels sized up to 24" x 48"

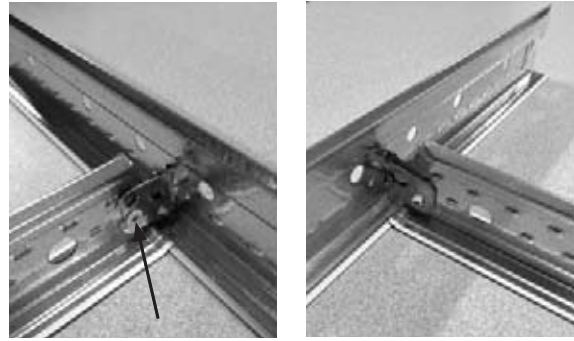
1.3 Typical installation procedure



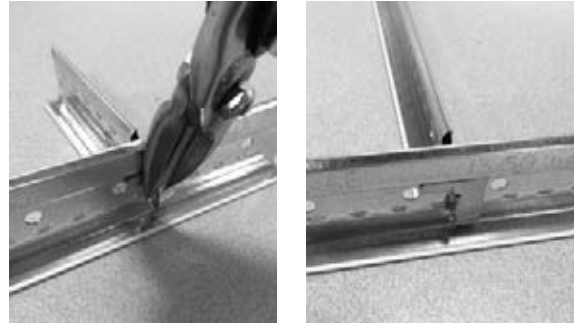
- A.** Insert cross tee into the main beam (STAC clip can be in place first).



- B.** Push the STAC clip into the route hole on the right side of the cross tee XL®/ML staked-on end detail. Align top edge flush with the underside of the main beam bulb.

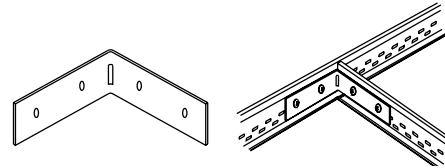


- C.** Insert one 1/8" aluminum or steel pop rivet into the bottom XL or ML end detail hole from the staked-on end detail side, opposite the STAC clip.



- D.** Cut the excess XL/ML end detail off with metal snips, or bend out of the way for improved panel or fixture clearance.

NOTE: If a field route hole punch is not available, the XTAC (cross tee adapter clip) is recommended when installing a cross tee into a main beam where a route hole is not present.



1.4 Warranty Considerations

Utilizing the STAC clip in the manner authorized in these instructions maintains the Armstrong suspension systems warranty. Alterations or field modified solutions may not.

1.5 Seismic Considerations

Seismic Rx® (BERC or BERC2) perimeter installation methods may be utilized on projects using the STAC clip, per code in your area. Local authorities having jurisdiction may require system engineering for off-module installations, which is the responsibility of the architect.

Seismic test information is available from TechLine.

MORE INFORMATION

For more information, or for an Armstrong representative, call 1 877 276 7876.

For complete technical information, detail drawings, CAD design assistance, installation information, and many other technical services, call TechLineSM services at 1 877 276 7876 or FAX 1 800 572 TECH.

For the latest product selection and specification data, visit armstrongceilings.com/suspensionsystems.

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