

**RSIC-SI-X SOUND ISOLATION CLIP**

# **RSIC-SI-X**



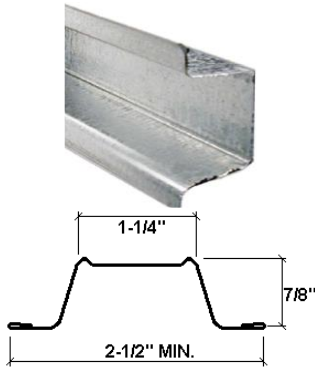
**Patent Pending**

**SHIPPED FULLY  
ASSEMBLED  
AND CALIBRATED**

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## Drywall Furring Channel:

- **Minimum Requirements:** 25 gauge, hemmed edge detail required on all 25 gauge furring channel. Meets or exceeds SSMA requirements.
- **Depth:** 7/8 inch
- **Width Bottom:** 2-1/2 inch wide minimum.
- **Width Top:** 1-1/4 inch wide

Splice drywall furring channel (hat track) with 6 inch overlap in mid span (between two clips) secure with 18 ga tie wire, or two 7/16" framing screws.



## Fasteners:

- **RSIC-SI-X Spring to Wood:** #8 2-3/4 inch min. coarse thread. (Recommended #12 or #10 x 2-3/4")
- **RSIC-SI-X Spring to Steel:** #8 2-1/4" inch min. fine thread. (Recommended #12 or #10 x 2-3/4")



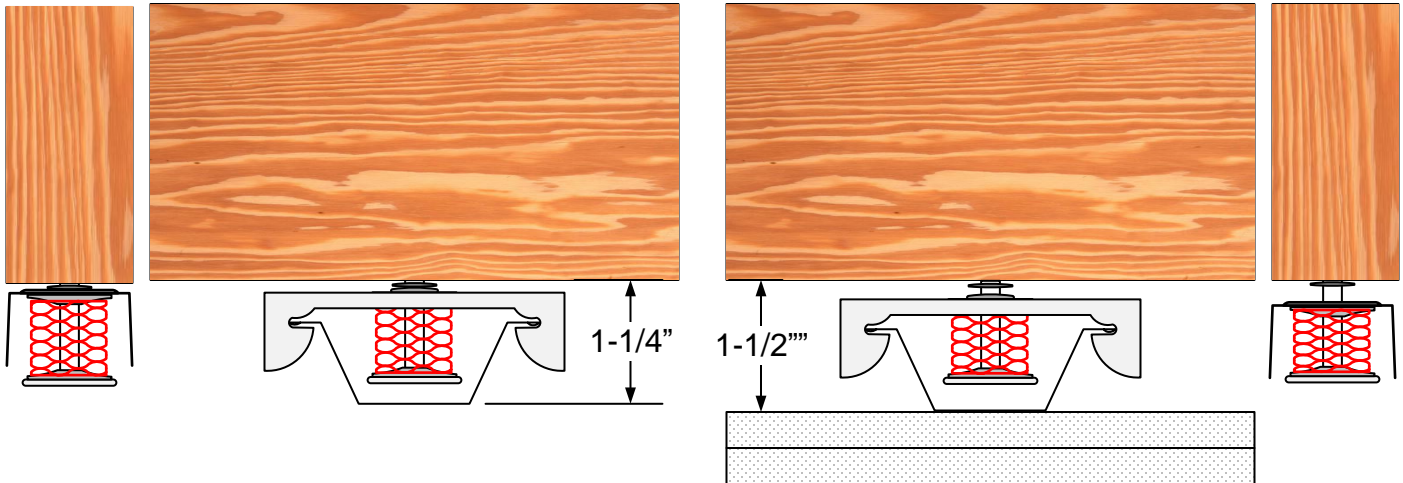
## Resilient Sound Isolation Clip (RSIC-SI-X Spring)

- **Maximum Spacing:** 48 inches on center
- **Design Load at 3/8" deflection from free height**
- **Red = 26 Lbs**
- **Blue = 13 Lbs**
- **White = 7 Lbs**

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## RSIC-SI-X Spring Dimensions:

- RSIC-SI-X Spring clip Free Height 1-1/4"
- RSIC-SI-X Spring clip Installed height 1-1/2"
- RSIC-SI-X Spring clip 1-1/4" Deep
- RSIC-SI-X Spring clip 3" Wide



## Ceilings:

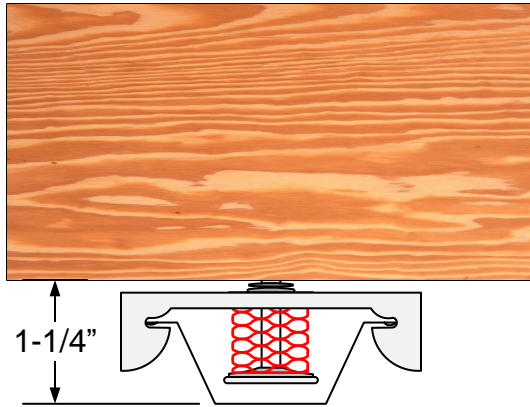
- Resilient Sound Isolation Clips (RSIC-SI-X Spring) maximum spacing 16" x 48" on center .
- Layout the RSIC-SI-X Spring clips according to general guidelines represented in this installation manual.
- Any additional or non standard room dimensions need to be addressed by a professional engineer.
- Verify the correct quantity of each RSIC-SI-X Spring isolator (weight / color) is included in the shipment.
- Layout the RSIC-SI-X Spring clips out on the floor (reflecting the ceiling above) Ensure there are no additional items required to complete the installation, IE: Additional blocking to support the RSIC-SI-X Spring clips, or additional clips to support the drywall furring channel.
- Red 26 Lb clips are for the field
- Blue 13 Lb clips are for the field, edge.
- White 7 Lb clips are for edge, corner, and or infill where additional support is needed
- Fasten the Resilient Sound Isolation Clip (RSIC-SI-X Spring) to the structure with fasteners approved for a minimum pull-out and shear of 100 lbs. Allowing for up to 1/2" deflection after the gypsum board has been installed.
- Using a laser level, or tape measure set the height for all of the RSIC-SI-X Spring brackets at the same height
- Ensure RSIC-SI-X Spring is securely fastened to the structure with a minimum #8 x 2-3/4" long screw for wood framed systems
- At the perimeter, the distance between the wall and first support for the drywall shall be less than 8".
- Variances in the field may require additional adjustment to ensure a consistent system. (see field calibration guide)
- When attaching plywood or other hard surface materials to light gauge drywall furring channel use RSIC-Super Coarse screw

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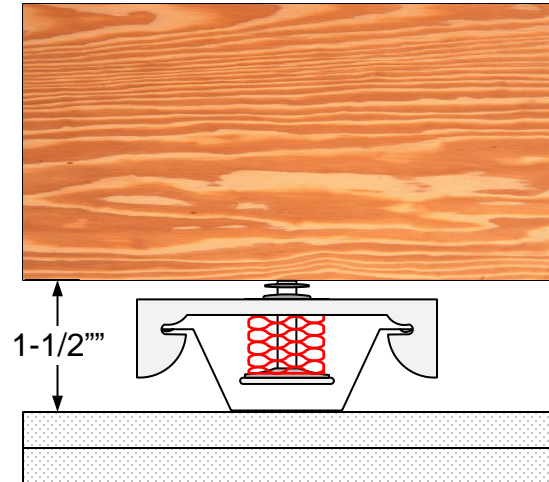
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# RSIC-SI-X SOUND ISOLATION CLIP

Spring Height before gypsum board is installed.



Spring Height after gypsum board is installed.



## **Ceilings:**

- Snap the drywall furring channel (hat track) into the RSIC-SI-X.
- Optional: Add strong back consisting of drywall furring channel perpendicular on the top of the standard drywall furring channel to assist in leveling the ceiling.
- Install the RSIC Perimeter Tape 3/8" below the drywall furring channel around the entire perimeter of the room.
- Install the gypsum board to the drywall furring channel snug to the RSIC Perimeter tape around the perimeter of the entire ceiling.
- Caulk around the entire perimeter of the ceiling wall intersection.
- Use fire and smoke rated acoustical sealant where required.

## **General Information:**

- Resilient Sound Isolation Clip Spring Isolator (RSIC-SI-X Spring , furring channel (hat track) and gypsum board shall not carry heavy loads such as Projectors, HVAC Ducting, Curtains, etc.
- Splice furring channel (hat track) with 6 inch overlap in mid span, secure with 18 ga. tie wire or with two framing screws (7/16")
- Seal all potential air leaks with non-hardening acoustical caulking to achieve best noise control results. Use fire rated sealant where required.
- When attaching the RSIC-SI-X Spring clips to a steel Joist the minimum allowable thickness is 20 ga. (0.030).
- When attaching plywood or other hard surface materials to 25 Gauge drywall furring channel use RSIC-Super Coarse screw

## **Fire Test Information:**

[WWW.PAC-INTL.COM](http://WWW.PAC-INTL.COM)

Check UL Fire Resistance Directory File # R16638

Check UL's web pages. [www.ul.com/database](http://www.ul.com/database)

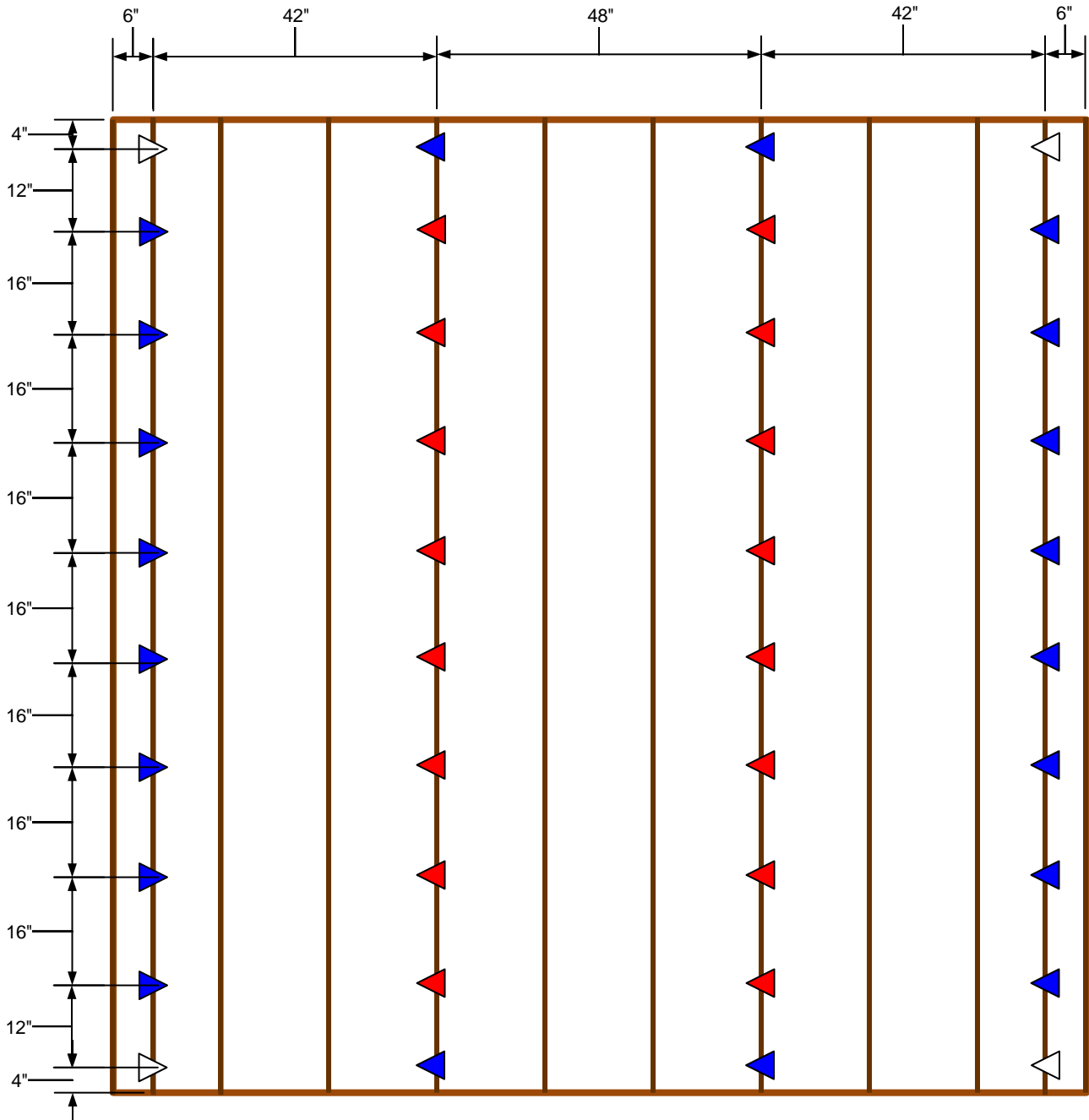
Contact UL (877) UL-HELPS

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# RSIC-SI-X SOUND ISOLATION CLIP

## RSIC-SI-X SPRING INSTALLATION WITH FRAMING SPACED @ 16" OC. RSIC-SI-X @ 16" OC.

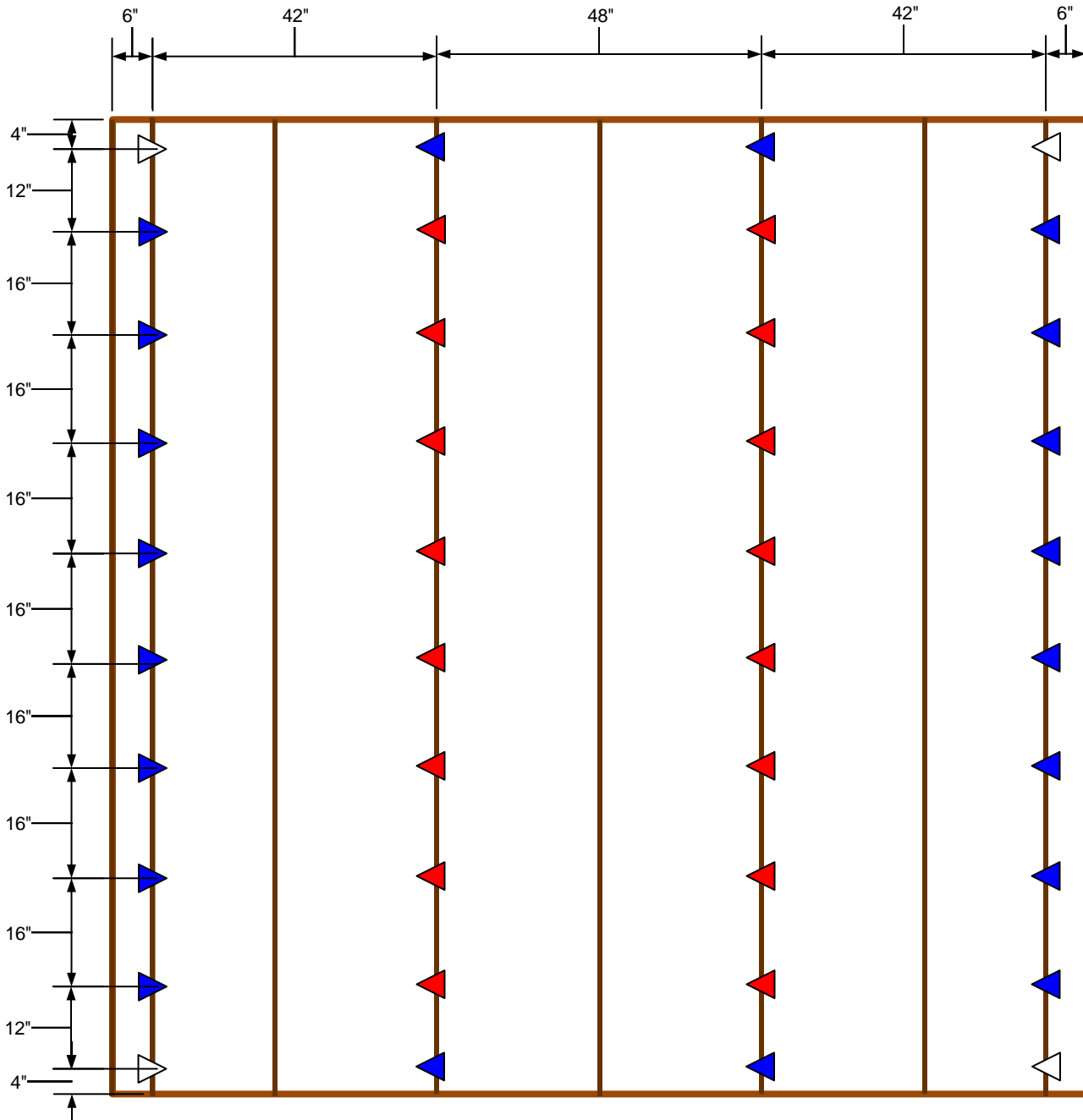


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# RSIC-SI-X SOUND ISOLATION CLIP

## RSIC-SI-X SPRING INSTALLATION WITH FRAMING SPACED @ 24" OC. RSIC-SI-X @ 16" OC.



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