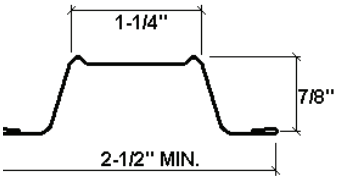
Resilient Sound Isolation Clips, RSIC-1

Installation Guide for Concrete or CMU



Drywall Furring Channel:

- **Minimum Requirements:** 25 gauge with hemmed edge required. Meets or exceeds SSMA requirements.
- **Optional:** 22 gauge (no hemmed edge required with 22 gauge)
- **Depth:** 7/8 inch
- **Width Bottom:** 2-1/2 inch wide minimum.
- **Width Top:** 1-1/4 inch wide

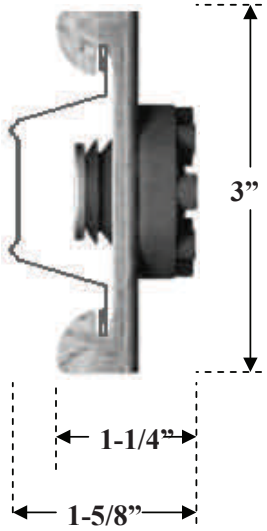
Splice drywall furring channel (hat track) with 6 inch overlap in mid span (between two clips) secure with 18 ga tie wire, or two 7/16" framing screws.

Resilient Sound Isolation Clip (RSIC-1)

- **Maximum Spacing:** 48 inches on center
- **Maximum Acoustical Design Load:** 36 lbs

Fasteners:

- **RSIC-1 to Concrete or CMU:** Min 1/4" x 2" drive spike, 1/4" x 2" tapcon, 2" shoot in pin with washer, or product with equal load capabilities (Minimum 120lbs Ultimate, Sheer and Pullout).
- **Call for information on additional approved fasteners.**



RSIC-1 Dimensions:

- RSIC-1 clip 3" tall
- RSIC-1 clip 1-1/4" deep
- RSIC-1 and drywall furring channel 1-5/8" deep

Average Labor Rates:

- **RSIC-1:** 60 clips per man hour
- **Drywall Furring Channel:** 550LF per man hour

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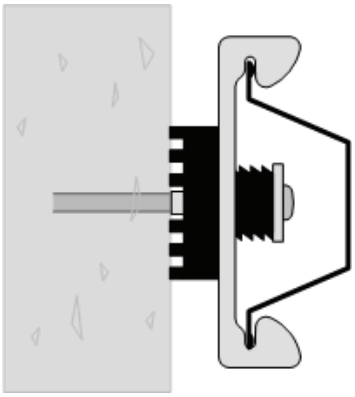
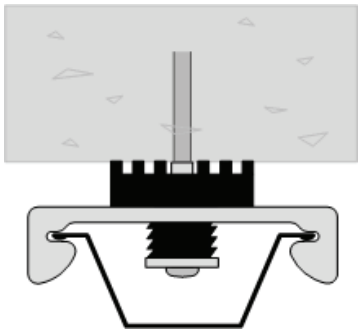
Walls:

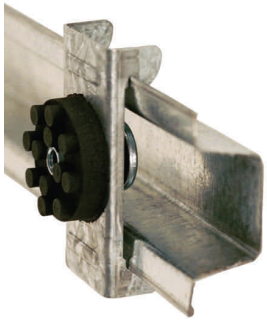


- Resilient Sound Isolation Clips (RSIC-1) shall be 48 inches (1219mm) on center maximum. (horizontal)
- Fasten the Resilient Sound Isolation Clip (RSIC-1) to the substrate with an approved fastener.
- Ensure the internal metal ferrell is tight to the substrate.
- Locate the first row of RSIC-1 clips within 3 inches from the floor and within 6 inches from the ceiling.
- Snap in the drywall furring channel (hat track) into the RSIC-1 clips (horizontal for walls).
- Place 1/8" min. shim on floor before installing the gypsum board.
- Install the gypsum board leaving a 1/4" min. gap around perimeter.
- Remove the shims after gypsum board is completely screwed to the dry-wall furring channel.
- Caulk around the entire perimeter of the gypsum board. Use fire rated sealant where required.

Ceilings:



- Resilient Sound Isolation Clips (RSIC-1) shall be 48 inches (1219mm) on center maximum.
- Fasten the Resilient Sound Isolation Clip (RSIC-1) to the substrate with an approved fastener.
- Ensure the internal metal ferrell is tight to the substrate.
- Locate the first row of RSIC-1 clips within 8 inches of the wall at each end of a run.
- Snap in the drywall furring channel (hat track) into the RSIC-1 clips.
- Install the gypsum board leaving a 1/4" min. gap around the gypsum board.
- Caulk around entire perimeter of the gypsum board. Use fire rated sealant where required.



General Information:

- Resilient Sound Isolation Clip (RSIC-1), furring channel (hat track) and gypsum board shall not carry heavy loads such as cabinets or book shelves
- 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.

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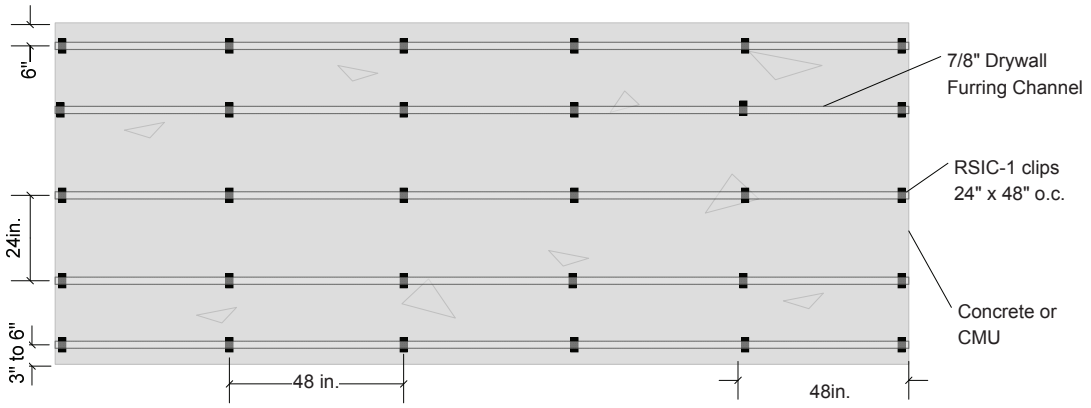
APPLICATION RECOMMENDATIONS FOR WALLS AND CEILINGS. CONCRETE OR CMU.

INSTALLING RESILIENT SOUND ISOLATION CLIPS (RSIC-1)

RSIC CLIPS AT 24” and 16” O.C.

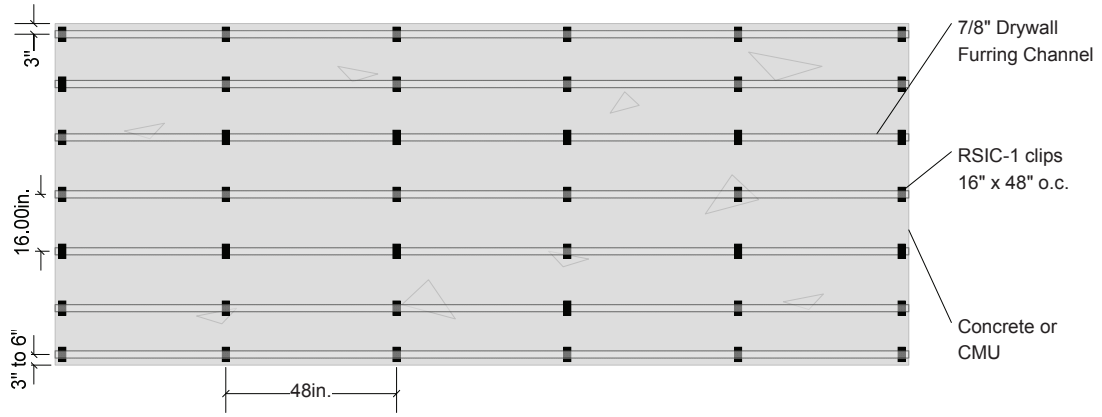
RSIC-1 Wall or Ceiling System

RSIC-1 clips at 24" x 48" o.c. 1 or 2 Layers of 5/8" Gypsum Board



RSIC-1 Wall or Ceiling System

RSIC-1 clips at 16" x 48" o.c. 3 Layers of 5/8" Gypsum Board



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