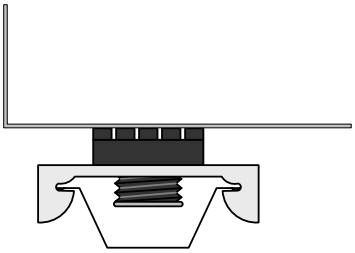
RSIC-1 Low Profile Clips

Installation Guide

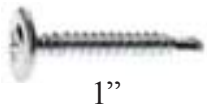


Resilient Sound Isolation Clip (RSIC-1-LOW PROFILE)

- Spacing: maximum 48 inches on center
- Maximum acoustical design load: 18 lbs
- RSIC-LOW PROFILE is designed for use with the RSIC-1 clip has a profile that is too large, and a low profile design is desired.
- For example: A basement ceiling with an existing low ceiling would lose 1-5/8" with the standard RSIC-1 clip. The RSIC-Low Profile ceiling design has a profile as low as ½ inch

RSIC-1-LOW PROFILE dimensions:

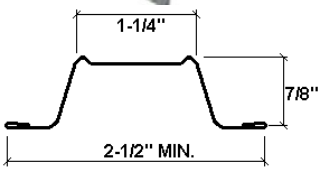
- RSIC-1-LOW PROFILE clip 3” wide
- RSIC-1-LOW PROFILE clip 5-1/2” long
- RSIC-1-LOW PROFILE clip 1-1/2” deep



Fasteners:

- RSIC-1-LOW PROFILE to wood: #8 x 1-1/2 inch minimum size coarse thread screw. (Recommended #10 or #12 x 1-1/2inch hex head)
- RSIC-1-LOW PROFILE to Steel: # 8 x 1inch minimum size fine thread screw. (Recommended #10 or #12 x 1/2 inch hex head)
- RSIC-1 Washer used between the fastener and the metal bracket
- DO NOT fasten Resilient Sound Isolation Clips to framing members with nails. Use only approved screws.

Furring Channel:



- Minimum requirements: 25 gauge, hemmed edge detail required on all 25 gauge furring channel. Meets or exceeds SSMA min. 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 clip) secure with 18 Ga tie wire, or two 7/16” framing screws.

Average Labor Rates:

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

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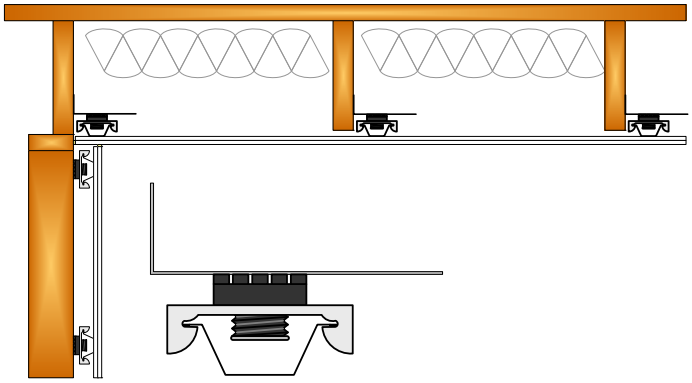

RSIC-1-LOW PROFILE

RSIC-1 LOW PROFILE Clip with an up facing L bracket attaches to the side of the joist allowing the RSIC clip to be recessed into the joist cavity. The Furring channel is run parallel to the joist with only ½" of the channel extending below the button of the joist.

Ceilings: One layer 5/8" gypsum

- Resilient Sound Isolation Clip (RSIC-1-LOW PROFILE) shall be 48 inches on center maximum for one layer of 5/8" gypsum board.
- Resilient Sound Isolation Clip (RSIC-1-LOW PROFILE) shall be 24 inches on center maximum for two layers of 5/8" gypsum board.
- Fasten the Resilient Sound Isolation Clip (RSIC-1-LOW PROFILE) to the side of the joist using a RSIC washer to between the fastener head and the metal bracket ensuring all of the RSIC-1-LOW PROFILE clips are in the same horizontal plane
- Ensure the metal "L" bracket is tight to the framing member.
- Snap in the drywall furring channel (hat track) into the RSIC-1-LOW PROFILE clip parallel to the framing members.
- Height can be adjusted by the position of the fastener in the joist only.
- RSIC-1 Low Profile clip can be expected to settle up to 1/8" after gypsum board is installed

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General Information:

Resilient Sound Isolation Clip (RSIC-1-LOW PROFILE), Furring Channel (hat track) and Gypsum board shall not carry heavy loads such as cabinets or bookshelves

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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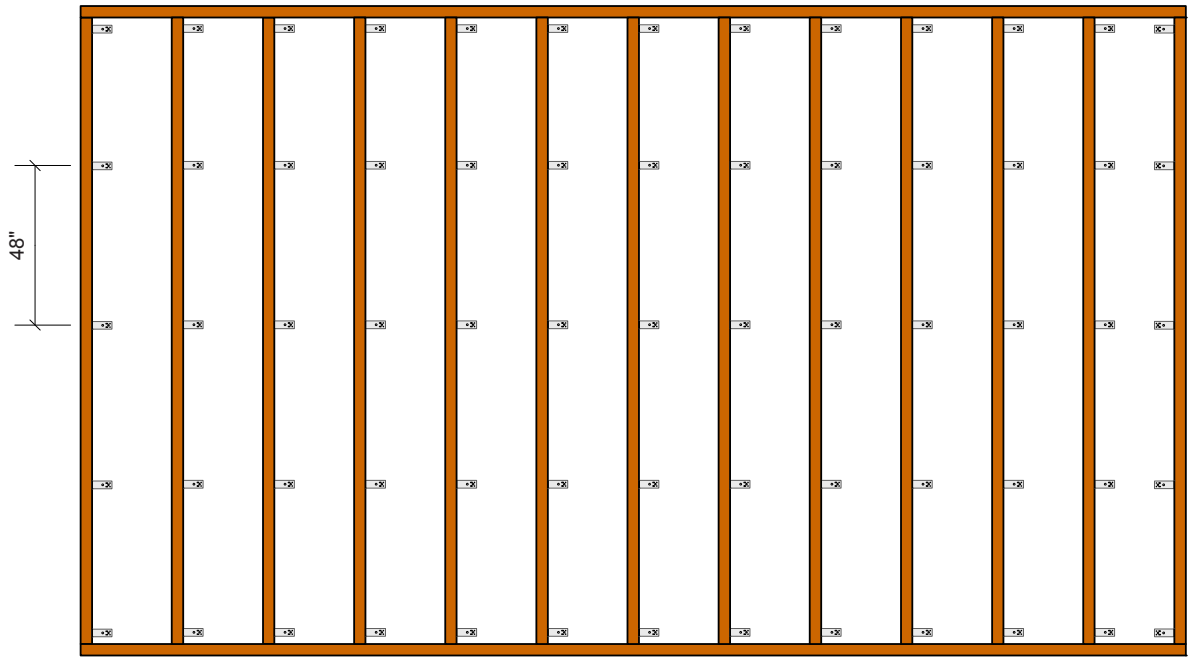
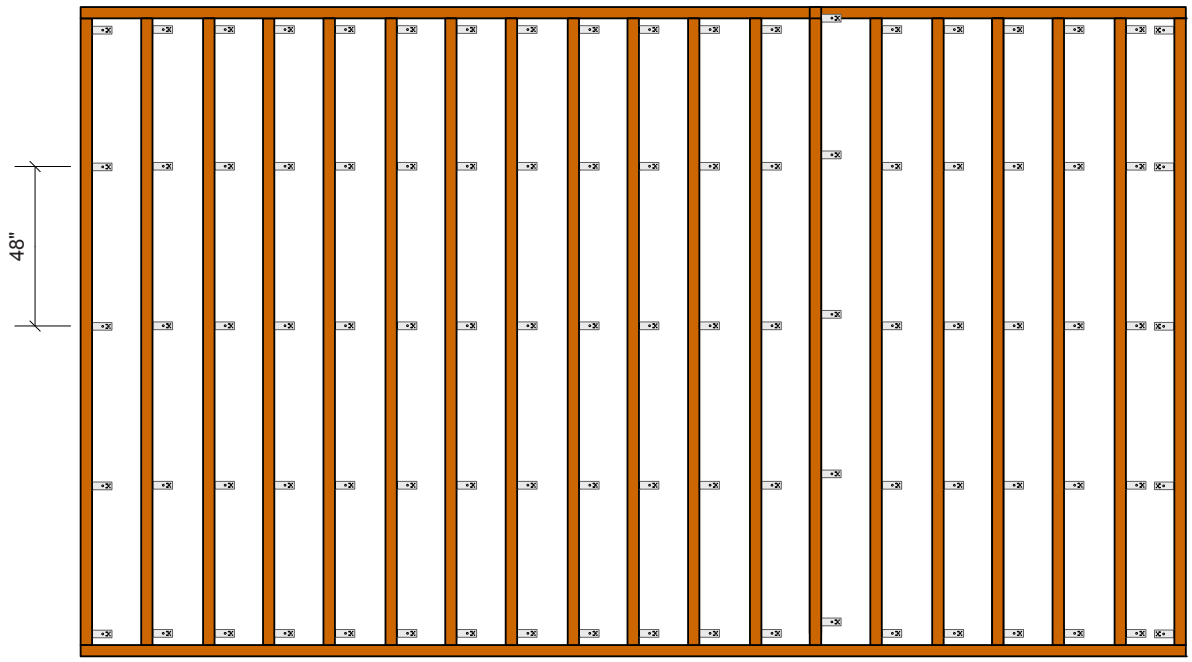
RSIC-1 Low Profile installed on Joist 24" o.c. for 1 layer of 5/8" gypsum board
RSIC-1 Low Profile Clips spaced at 24" x 48"



RSIC-1 Low Profile installed on Joist 16" o.c. for 1 layer of 5/8" gypsum board
RSIC-1 Low Profile Clips spaced at 16" x 48"



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RSIC-1 Low Profile Clips

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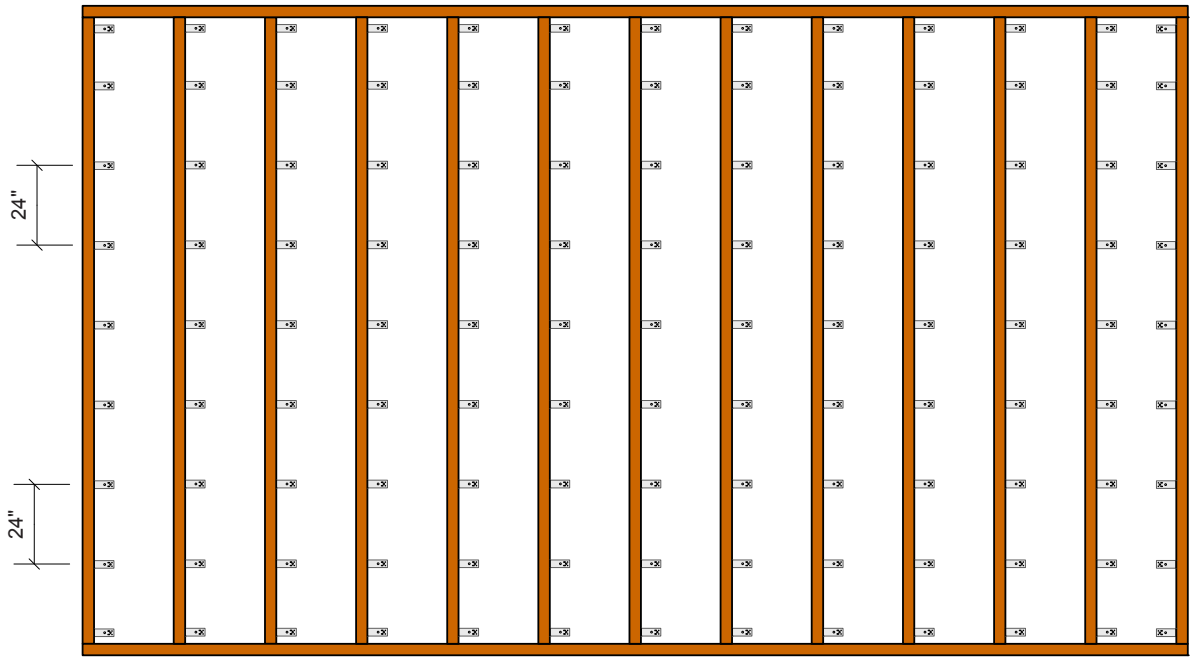
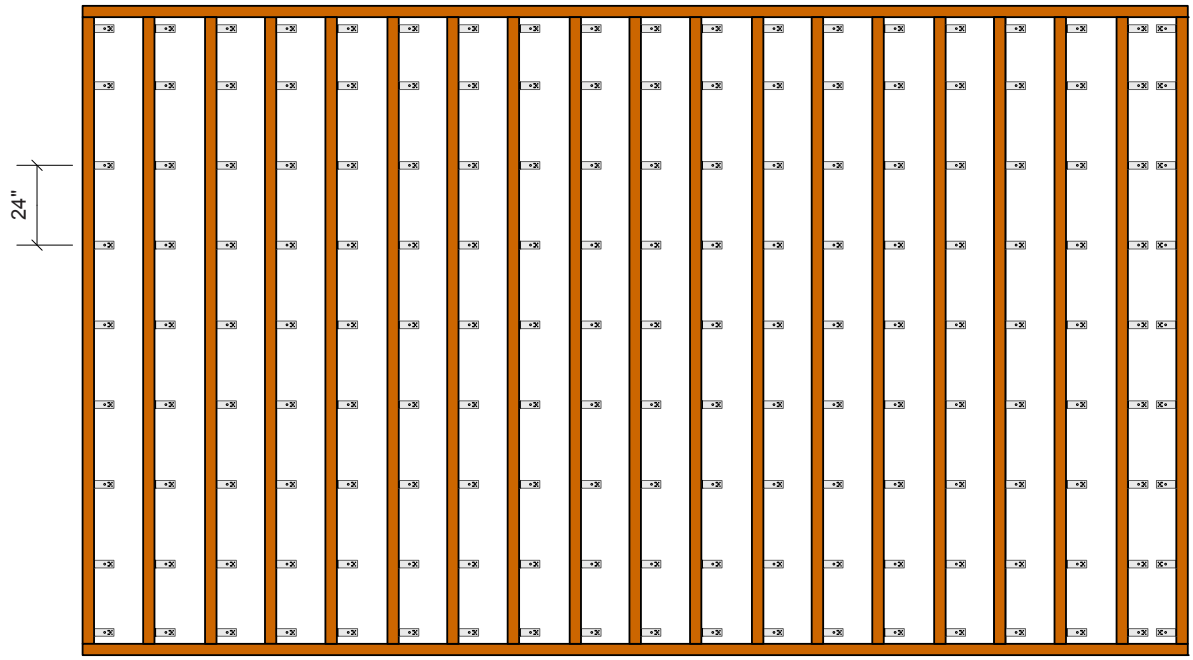
RSIC-1 Low Profile installed on Joist 24" o.c. for 2 layers of 5/8" gypsum board
RSIC-1 Low Profile Clips spaced at 24" x 24"



RSIC-1 Low Profile installed on Joist 16" o.c. for 2 layers of 5/8" gypsum board
RSIC-1 Low Profile Clips spaced at 16" x 24"



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