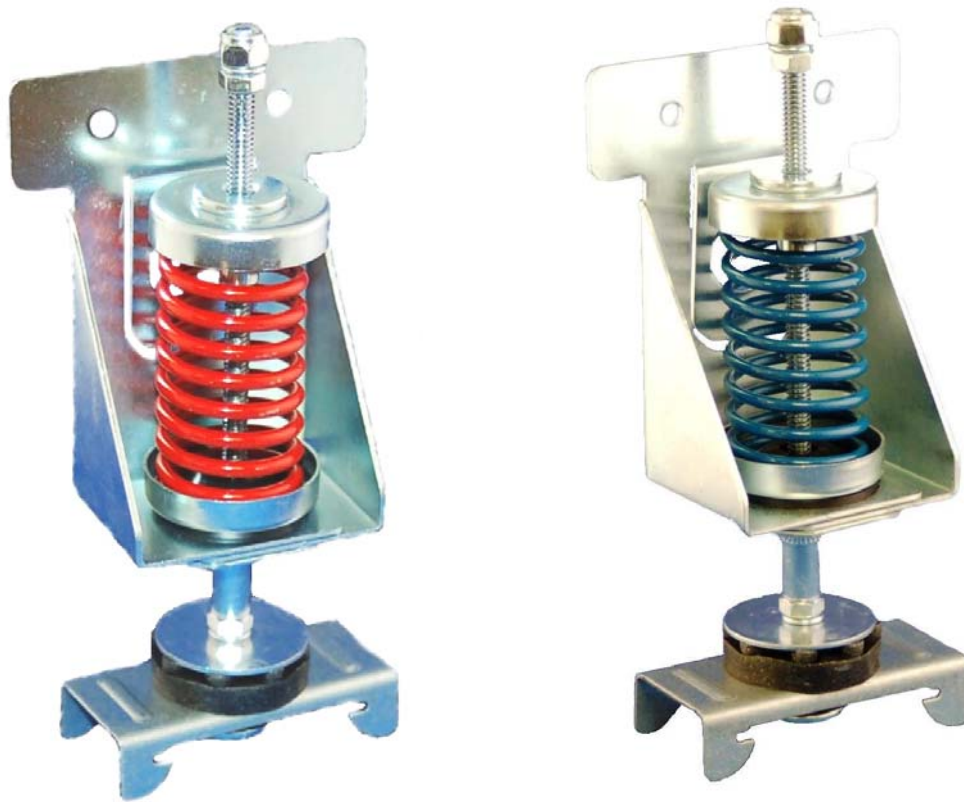


RSIC-1-SI INSTALLATION GUIDE

RSIC-1-SI SOUND ISOLATION CLIP



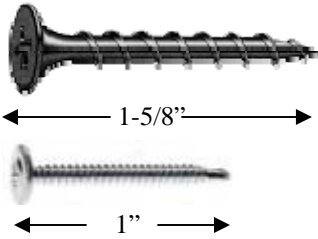
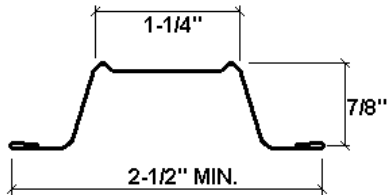
RSIC-1-SI

**SHIPPED FULLY
ASSEMBLED
AND CALIBRATED**

PAC International, Inc. Tel: (866) 774-2100 Technical: (866) 649-2710 Web Site: www.pac-intl.com

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RSIC-1-SI SOUND ISOLATION CLIP



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-1-SI to Wood:** #8 x 1-5/8 inch minimum size coarse thread screw. (Recommended #12 or #10 x 1-5/8 inch hex head)
- **RSIC-1-SI to Steel:** # 8 x 1 inch minimum size fine thread screw. (Recommended #12 or #10 x 1 inch hex head)
- **DO NOT** fasten Resilient Sound Isolation Clips (RSIC-1-SI) to framing members with nails. Use only approved screws.

Resilient Sound Isolation Clip (RSIC-1-SI)

- **Maximum Spacing:** 48 inches on center
- **Design Load at 1/2" deflection from preset height**
- **Red = 40 lbs**
- **Green = 30 Lbs**
- **Blue = 20 Lbs**
- **White = 10 Lbs**
- **Yellow = 5 Lbs**

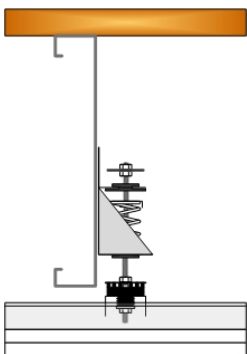
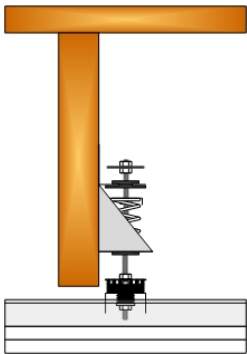
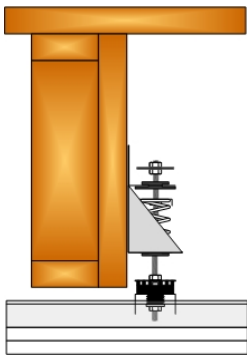
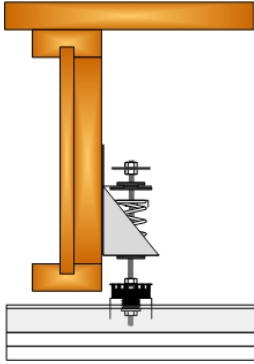
RSIC-1-SI Dimensions:

- RSIC-1-SI clip 7"~8" Adjustable
- RSIC-1-SI clip 1-1/4" Deep
- RSIC-1-SI clip 3" Wide

Average Labor Rates:

- **RSIC-1-SI:** 40 clips per man hour
 - **Drywall Furring Channel:** 550LF per man hour
- Labor rates provided to PAC International, Inc by an independent contracting firm.

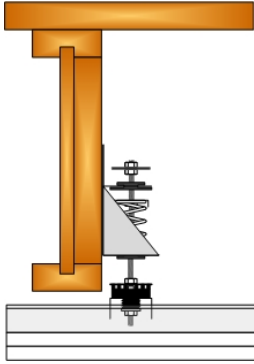
RSIC-1 SOUND ISOLATION CLIP



Ceilings:

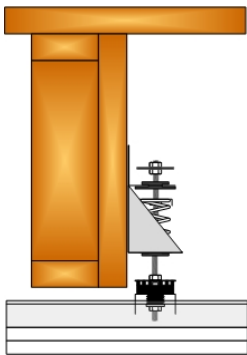
- Resilient Sound Isolation Clips (RSIC-1-SI) shall be max 48 inches on center .
- Layout the RSIC-1-SI clips according to general guidelines represented in this installation manual.
- Any additional or non standard room dimensions need to be addressed by a professional engineer.
- Carefully remove RSIC-1-SI pre-assembled, and pre-calibrated clips from packaging.
- Be cautious to not rotate the RSIC-1 clips separate from the Upper bracket. This may change the factory calibration of RSIC-1-SI.
- Verify the correct quantity of each RSIC-1-SI isolator (weight / color) is included in the shipment.
- Layout the RSIC-1-SI 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-1-SI clips, or additional clips to support the drywall furring channel.
- Red 40 Lb clips are for the field
- Green 30 Lb clips are for the field, and near perimeter
- Blue 20 Lb clips are for the field, edge.
- White 10 Lb clips are for edge, corner, and or infill where additional support is needed
- Yellow 5 Lb clips for the edge, corner.
- Fasten the Resilient Sound Isolation Clip (RSIC-1-SI) to the structure with fasteners approved for a minimum pull-out and shear of 100 lbs. Allowing for the predetermined 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-1-SI brackets at the same height
- Ensure RSIC-1-SI is securely fastened to the structure.
- At the perimeter, the distance between the wall and first support for the drywall shall be less than 8".
- Optional, Field Calibrate each isolator based on the weight they will be holding. Variances in the field may require additional adjustment to ensure a consistent system. (see field calibration guide below)

RSIC-1 SOUND ISOLATION CLIP



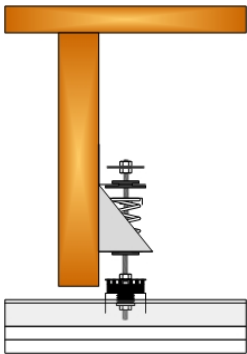
Ceilings:

- Snap the drywall furring channel (hat track) into the RSIC-1 section of the RSIC-1-SI clips.
- Add strong back consisting of 1.5" Cold Rolled Channel or 2 pieces of drywall furring channel nested together, on the top side of the standard drywall furring channel to assist in leveling the ceiling at or near the perimeter. The strong back shall be placed perpendicular to the main drywall furring channels
- Install the gypsum board to the drywall furring channel leaving a 1/8" to 1/4" gap 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.
- The RSIC-1 SI is engineered for use with a minimum of 2 layers of 5/8" gypsum board.



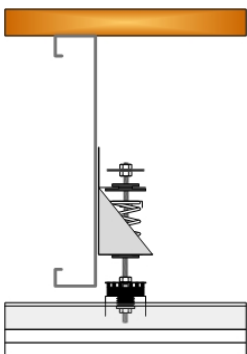
Calibration and Adjustment:

- To field adjust the RSIC-1-SI clip, rotate the RSIC-1 clip of the RSIC-1-SI clip clockwise to raise. In converse rotate the RSIC-1 clip of the RSIC-1-SI clip counter clockwise to lower. Lowering the RSIC-1 clip will not loosen the spring. To adjust the spring itself you will need to hold the top Cup washer and turn the threaded rod from the top side.
- The Pre-Calibration of the RSIC-1-SI clip is designed to deflect only 1/2" from its pre-loaded (pre-set) position after the 2nd layer gypsum board has been installed.



General Information:

- Resilient Sound Isolation Clip Spring Isolator (RSIC-1-SI), 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-1-SI clips to a steel Joist the minimum allowable thickness is 20 ga. (0.030).



Fire Test Information:

WWW.PAC-INTL.COM

Check UL Fire Resistance Directory File # R16638

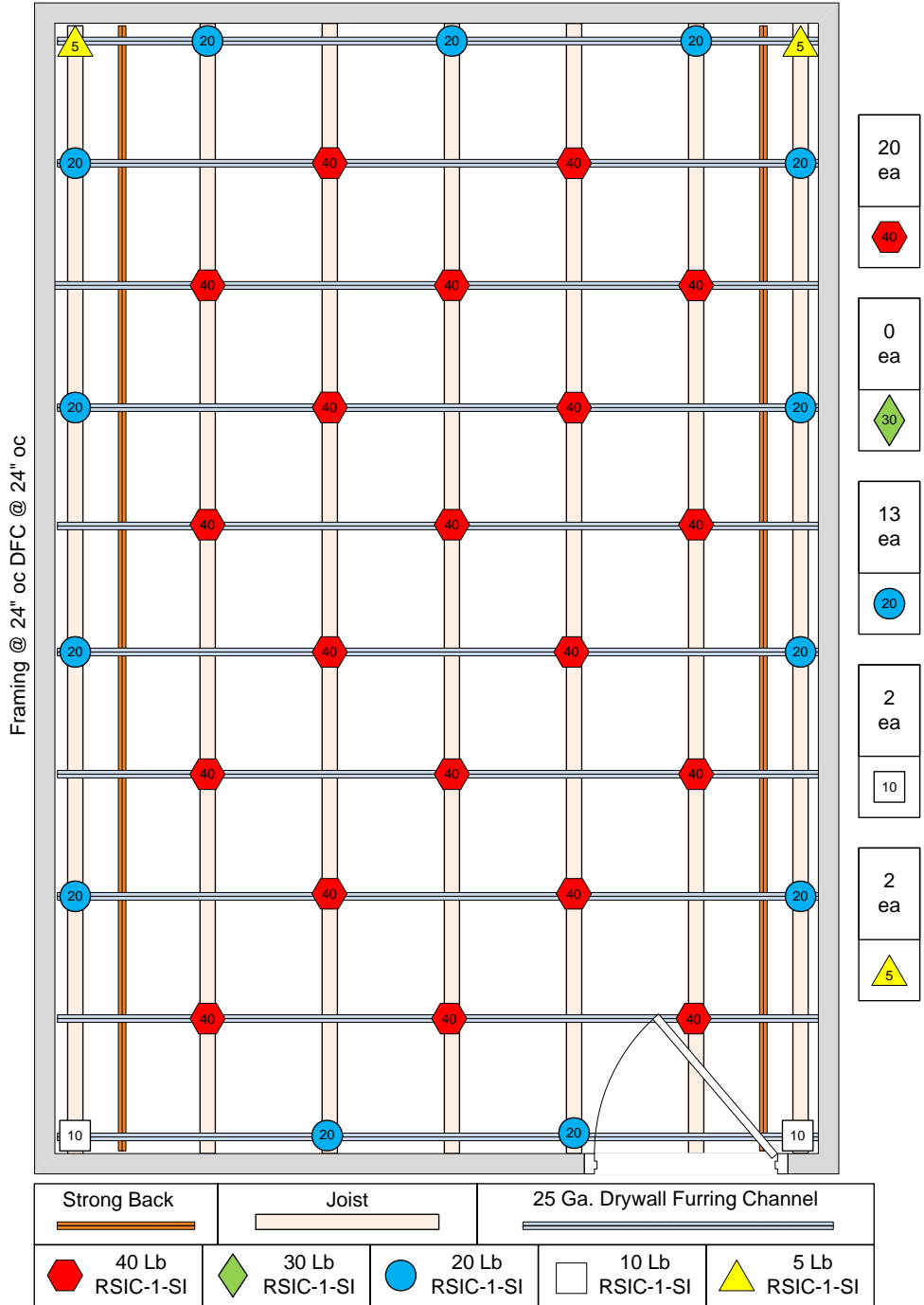
Check UL's web pages. www.ul.com/database

Contact UL (877) UL-HELPS

RSIC-1-SI SOUND ISOLATION CLIP

APPLICATION RECOMMENDATIONS FOR CEILINGS WOOD OR STEEL FRAMING

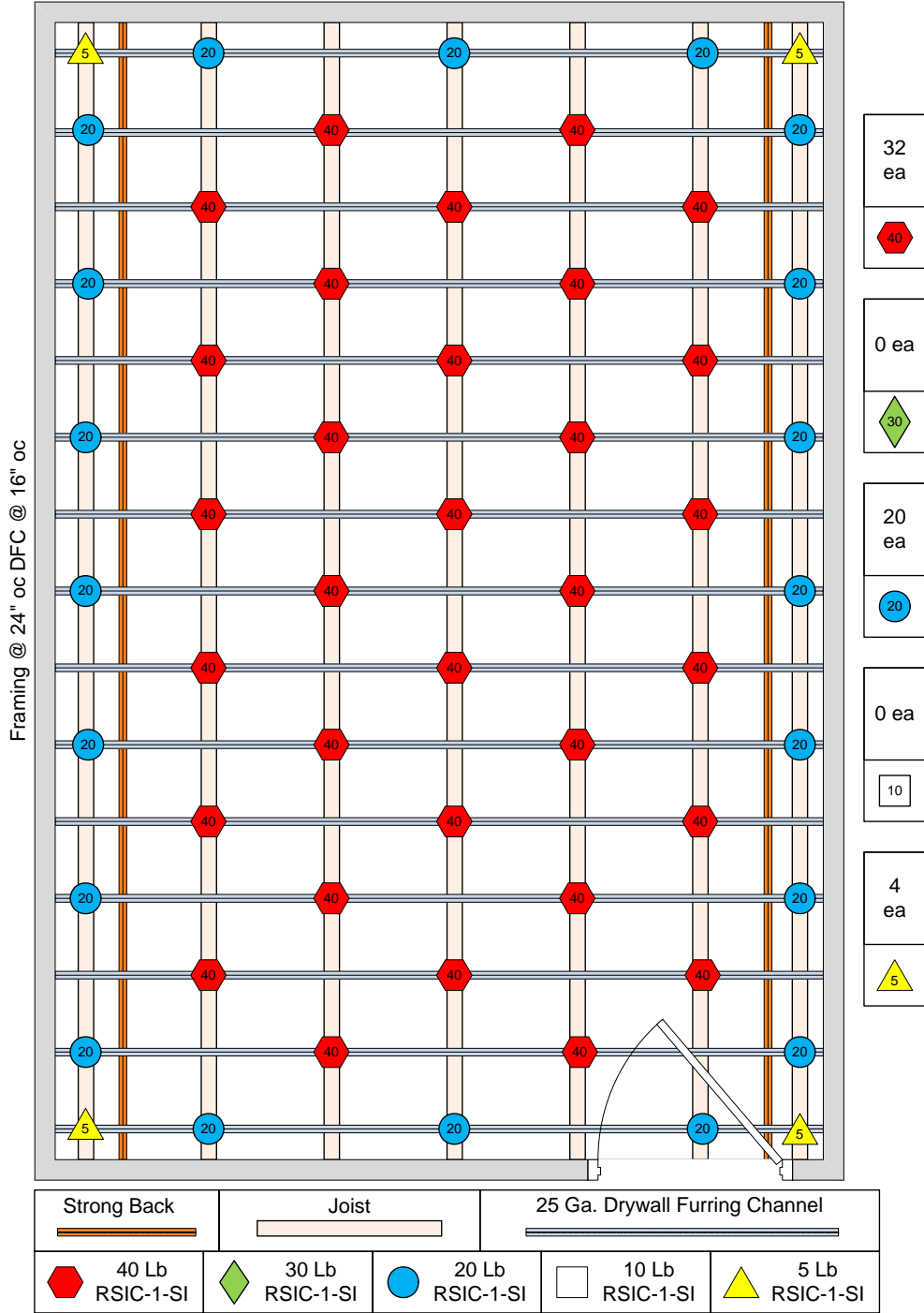
RSIC-1-SI INSTALLATION WITH FRAMING SPACED @ 24" OC. & RSIC-1-SI @ 24" OC.



RSIC-1-SI SOUND ISOLATION CLIP

APPLICATION RECOMMENDATIONS FOR CEILINGS WOOD OR STEEL FRAMING

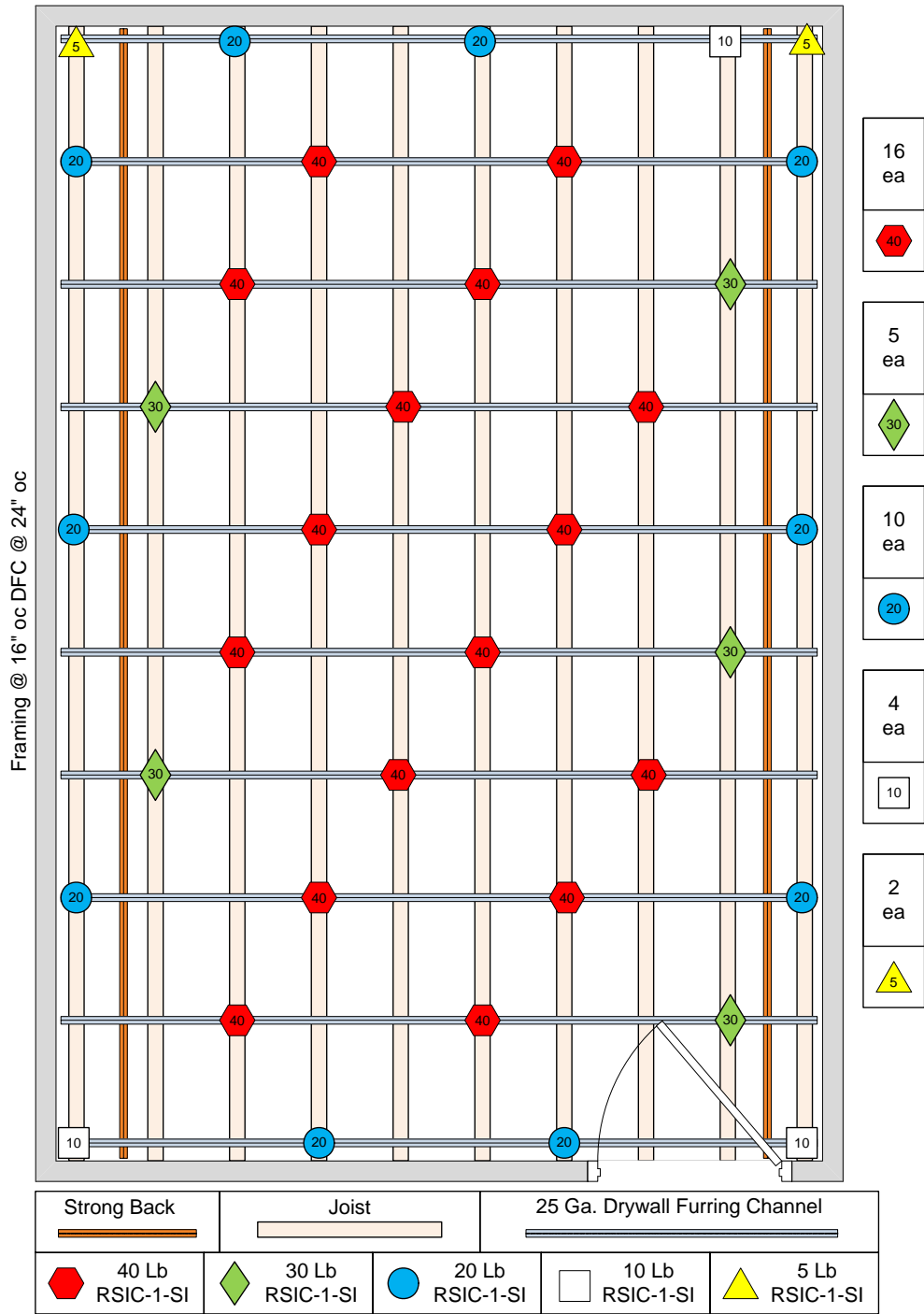
RSIC-1-SI INSTALLATION WITH FRAMING SPACED @ 24" OC. & RSIC-1-SI @ 16" OC.



RSIC-1-SI SOUND ISOLATION CLIP

APPLICATION RECOMMENDATIONS FOR CEILINGS, WOOD OR STEEL FRAMING

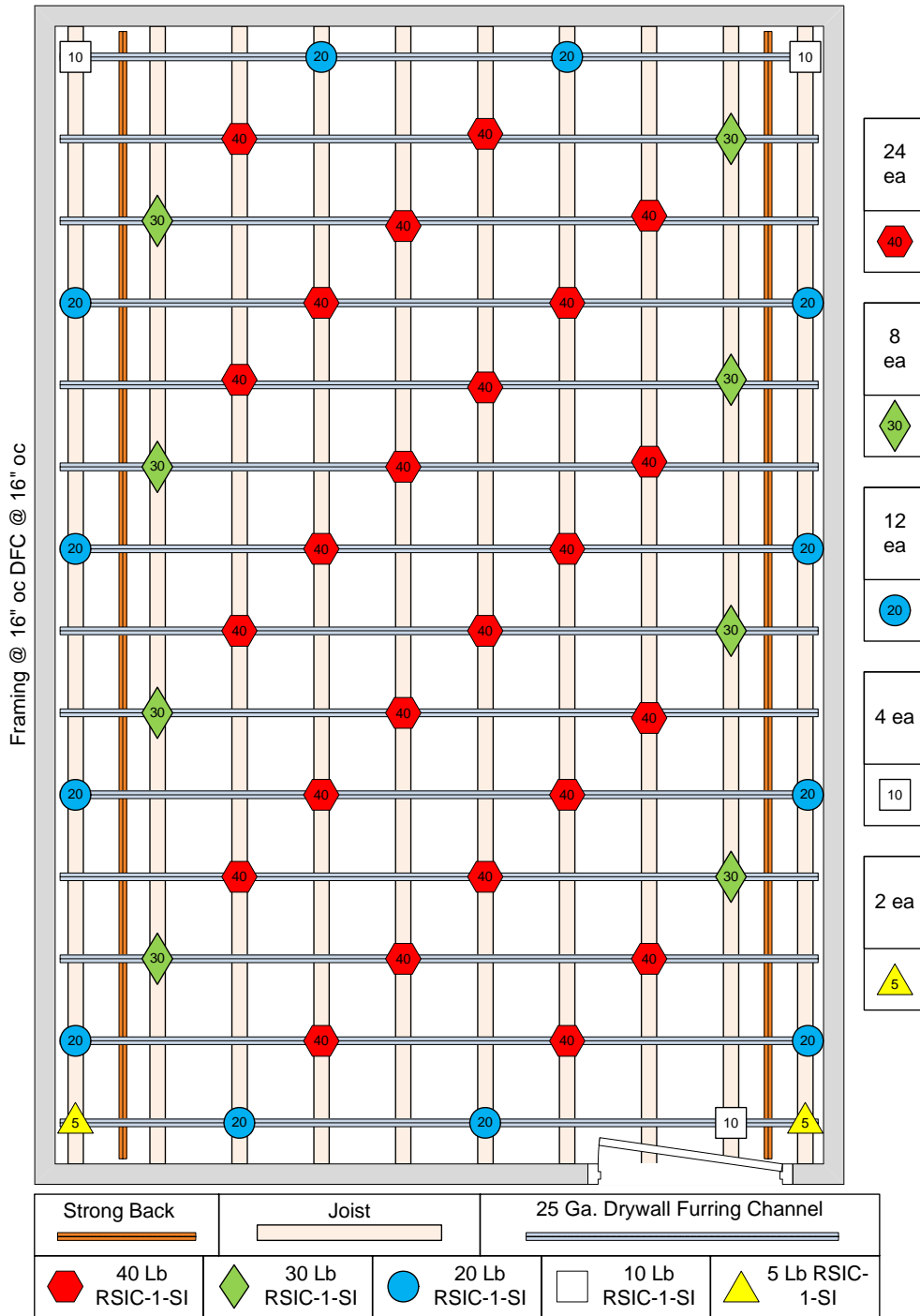
RSIC-1-SI INSTALLATION WITH FRAMING SPACED @ 16" OC. & RSIC-1-SI @ 24" OC.



RSIC-1-SI SOUND ISOLATION CLIP

APPLICATION RECOMMENDATIONS FOR CEILINGS, WOOD OR STEEL FRAMING

RSIC-1-SI INSTALLATION WITH FRAMING SPACED @ 16" OC. & RSIC-1-SI @ 16" OC.



RSIC-1-SI SOUND ISOLATION CLIP



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