

***RSIC-1-SI HOME SERIES INSTALLATION GUIDE***

**RSIC-1-SI HOME SERIES SOUND ISOLATION CLIP**



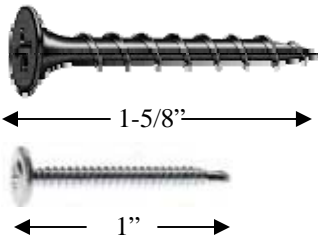
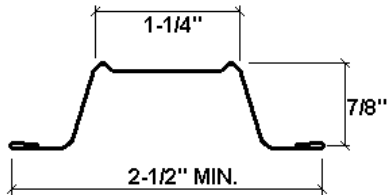
**RSIC-1-SI  
Home Series**

**SHIPPED FULLY  
ASSEMBLED  
AND CALIBRATED**

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

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# RSIC-1-SI HOME SERIES 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 HOME SERIES to Wood:** #8 x 1 inch minimum size coarse thread screw.
- **RSIC-1-SI HOME SERIES to Steel:** # 8 x 1/2 inch minimum size fine thread screw.
- **DO NOT** fasten Resilient Sound Isolation Clips (RSIC-1-SI HOME SERIES) to framing members with nails. Use only approved screws.

## Resilient Sound Isolation Clip (RSIC-1-SI HOME SERIES)

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



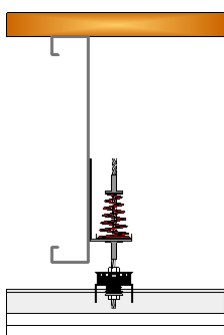
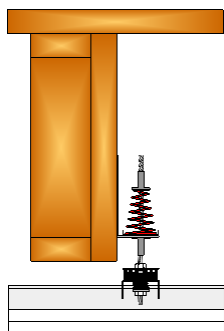
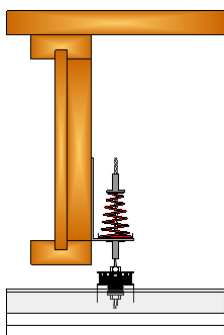
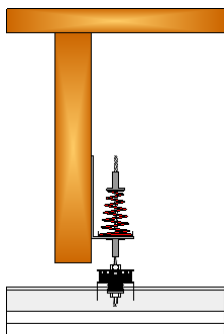
## RSIC-1-SI HOME SERIES Dimensions:

- RSIC-1-SI HOME SERIES Installed height 9-1/8" min
- RSIC-1-SI HOME SERIES clip 1-1/4" Deep
- RSIC-1-SI HOME SERIES clip 3" Wide

## Average Labor Rates:

- **RSIC-1-SI HOME SERIES:** 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-SI HOME SERIES SOUND ISOLATION CLIP

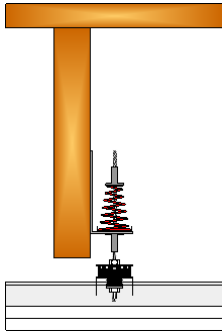


## Ceilings:

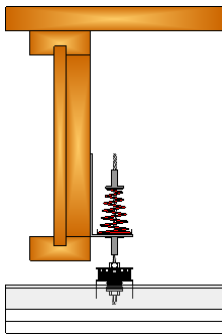
- Resilient Sound Isolation Clips (RSIC-1-SI HOME SERIES) shall be max 48 inches on center .
- Layout the RSIC-1-SI HOME SERIES clips according to general guidelines represented in this installation manual.
- Any additional or non standard room dimensions need to be addressed by a professional engineer.
- Carefully remove RSIC-1-SI HOME SERIES pre-assembled, and pre-calibrated clips from packaging.
- Be cautious to not rotate the RSIC-1-SI HOME SERIES clips separate from the Upper bracket. This may change the factory calibration of RSIC-1-SI HOME SERIES.
- Verify the correct quantity of each RSIC-1-SI HOME SERIES isolator (weight / color) is included in the shipment.
- Layout the RSIC-1-SI HOME SERIES 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 HOME SERIES clips, or additional clips to support the drywall furring channel.
- Red 40 Lb clips are for the field
- 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
- Fasten the Resilient Sound Isolation Clip (RSIC-1-SI HOME SERIES) to the structure with fasteners approved for a minimum pull-out and shear of 100 lbs.
- Using a laser level, or tape measure set the height for all of the RSIC-1-SI HOME SERIES brackets at the same height
- Allow 1/2" deflection after all of the gypsum board has been installed.
- Ensure RSIC-1-SI HOME SERIES 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"
- Variances in the field may require additional adjustment to ensure a consistent system. (see field calibration guide)
- When attaching plywood or other hard materials to light gauge drywall furring channel use RSIC-Super Coarse screw

# RSIC-1-SI HOME SERIES SOUND ISOLATION CLIP

## Ceilings:

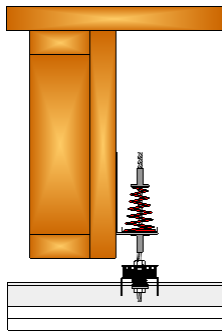


- Snap the drywall furring channel (hat track) into the RSIC-1 section of the RSIC-1-SI HOME SERIES clips.
- Add strong back consisting of 1.5" Cold Rolled Channel or 2 pieces of drywall furring channel nested together, on the top side of the standard drywall furring channel to assist in leveling the 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.



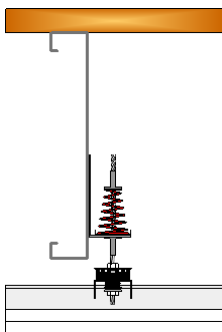
## Calibration and Adjustment:

- To field adjust the RSIC-1-SI HOME SERIES clip, rotate the RSIC-1 clip of the RSIC-1-SI HOME SERIES clip clockwise to raise. In converse rotate the RSIC-1 clip of the RSIC-1-SI HOME SERIES 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 HOME SERIES clip is designed to deflect 1/2" from its pre-loaded (pre-set) position after all layers of gypsum board has been installed.



## General Information:

- Resilient Sound Isolation Clip Spring Isolator (RSIC-1-SI HOME SERIES), 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 HOME SERIES clips to a steel Joist the minimum allowable thickness is 20 ga. (0.030).
- When attaching plywood or other hard materials to 25 gauge dry-wall 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

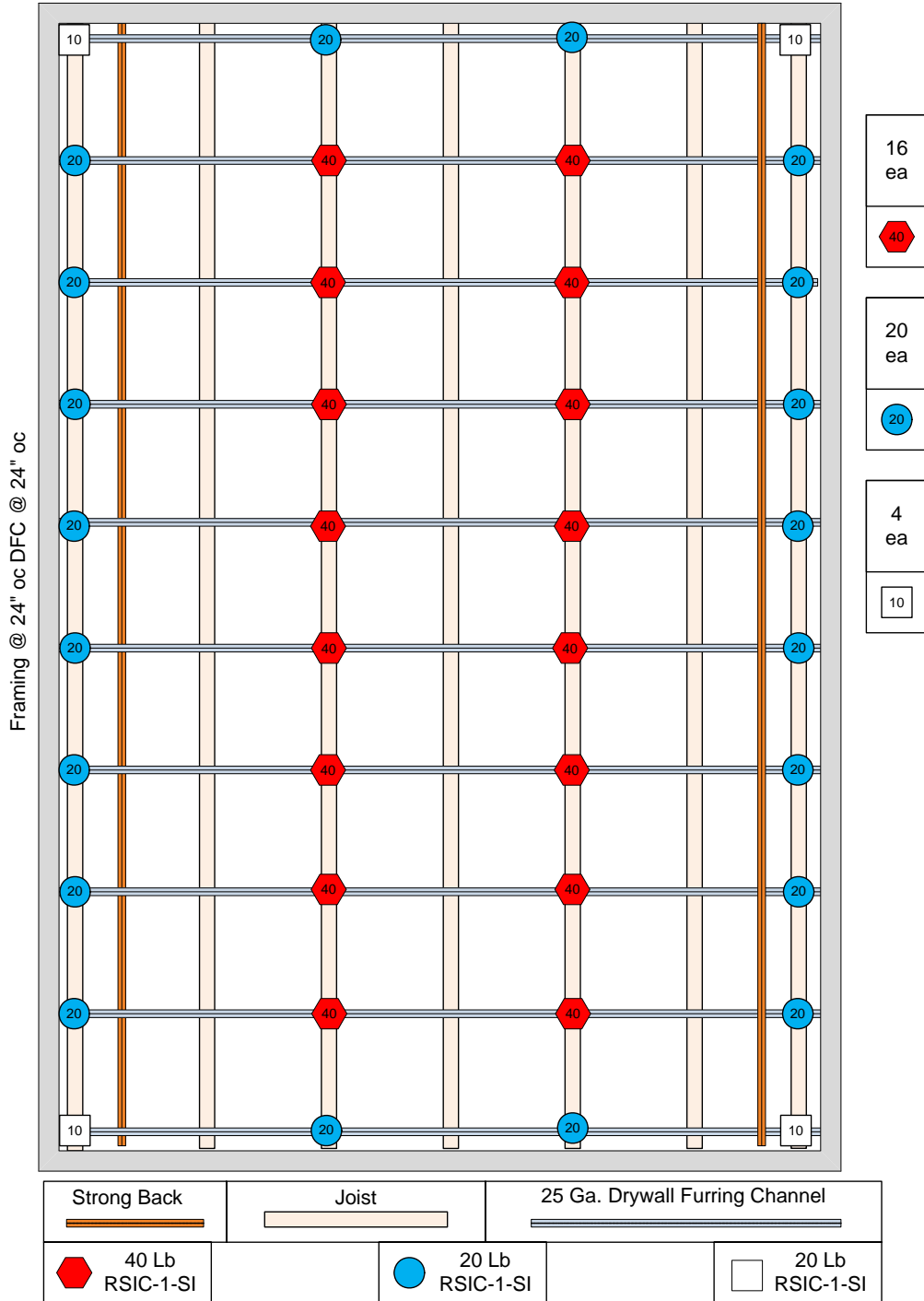
Check UL's web pages. [www.ul.com/database](http://www.ul.com/database)

Contact UL (877) UL-HELPS

# RSIC-1-SI HOME SERIES SOUND ISOLATION CLIP

APPLICATION RECOMMENDATIONS FOR CEILINGS WOOD OR STEEL FRAMING FOR 2 LAYERS OF GYPSUM BOARD OR EQUIVALENT

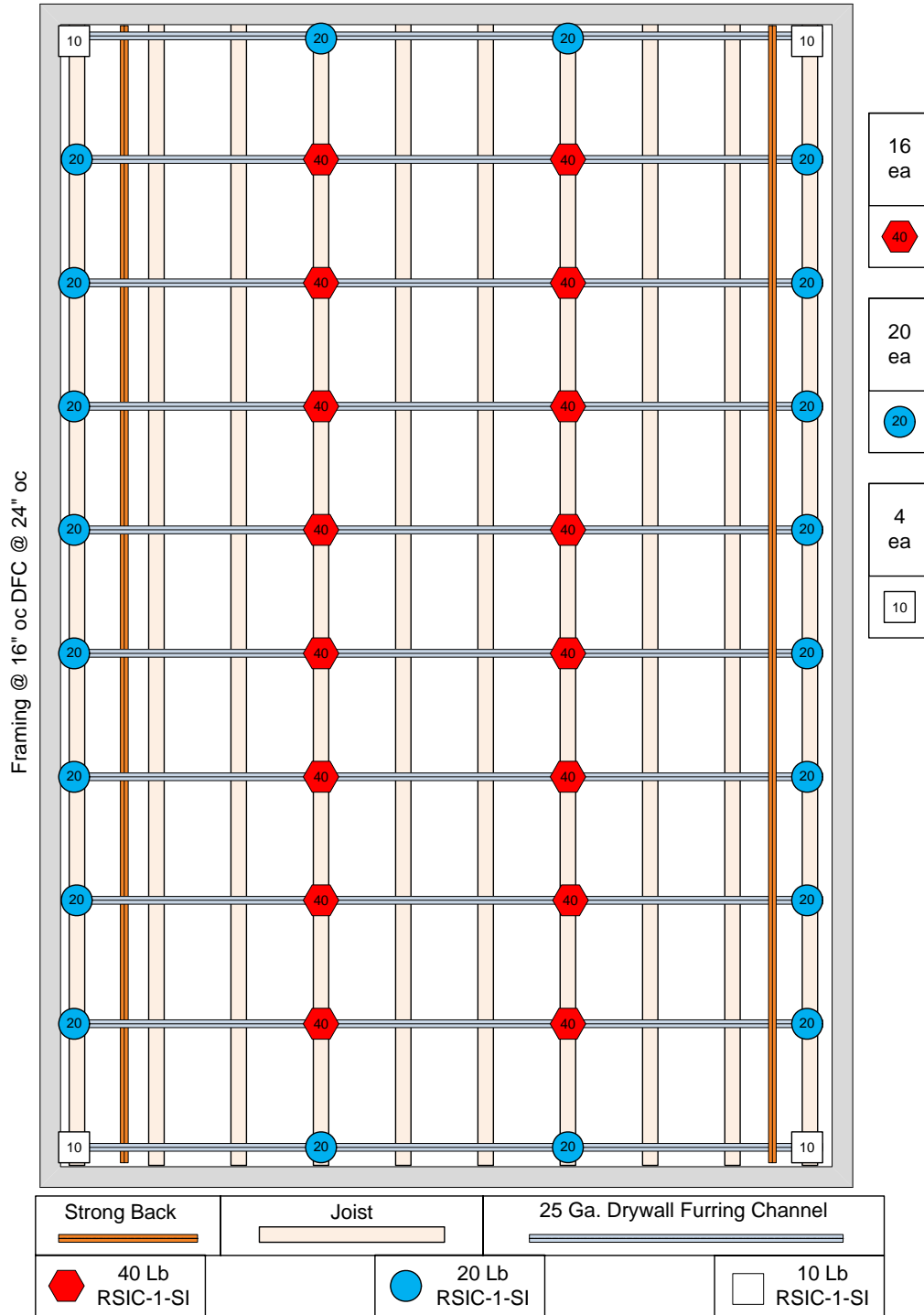
RSIC-1-SI HOME SERIES INSTALLATION WITH FRAMING SPACED @ 24" OC. & RSIC-1-SI HOME SERIES @ 24" OC.



# RSIC-1-SI HOME SERIES SOUND ISOLATION CLIP

APPLICATION RECOMMENDATIONS FOR CEILINGS, WOOD OR STEEL FRAMING FOR 2 LAYERS OF GYPSUM BOARD OR EQUIVALENT

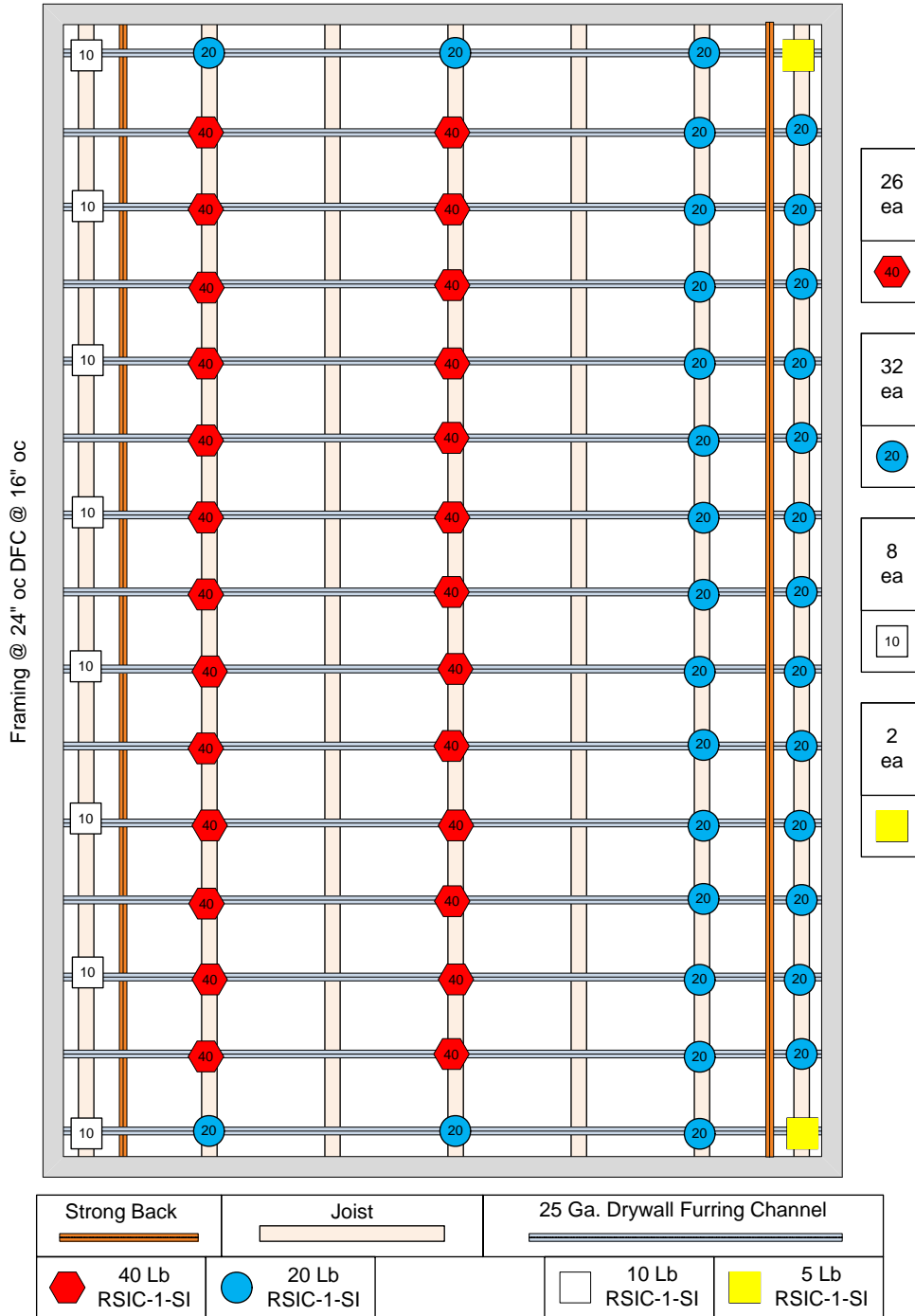
RSIC-1-SI HOME SERIES INSTALLATION WITH FRAMING SPACED @ 16" OC. & RSIC-1-SI HOME SERIES @ 24" OC.



# RSIC-1-SI HOME SERIES SOUND ISOLATION CLIP

APPLICATION RECOMMENDATIONS FOR CEILINGS WOOD OR STEEL FRAMING WITH 3 LAYERS OF GYPSUM BOARD OR EQUIVALENT

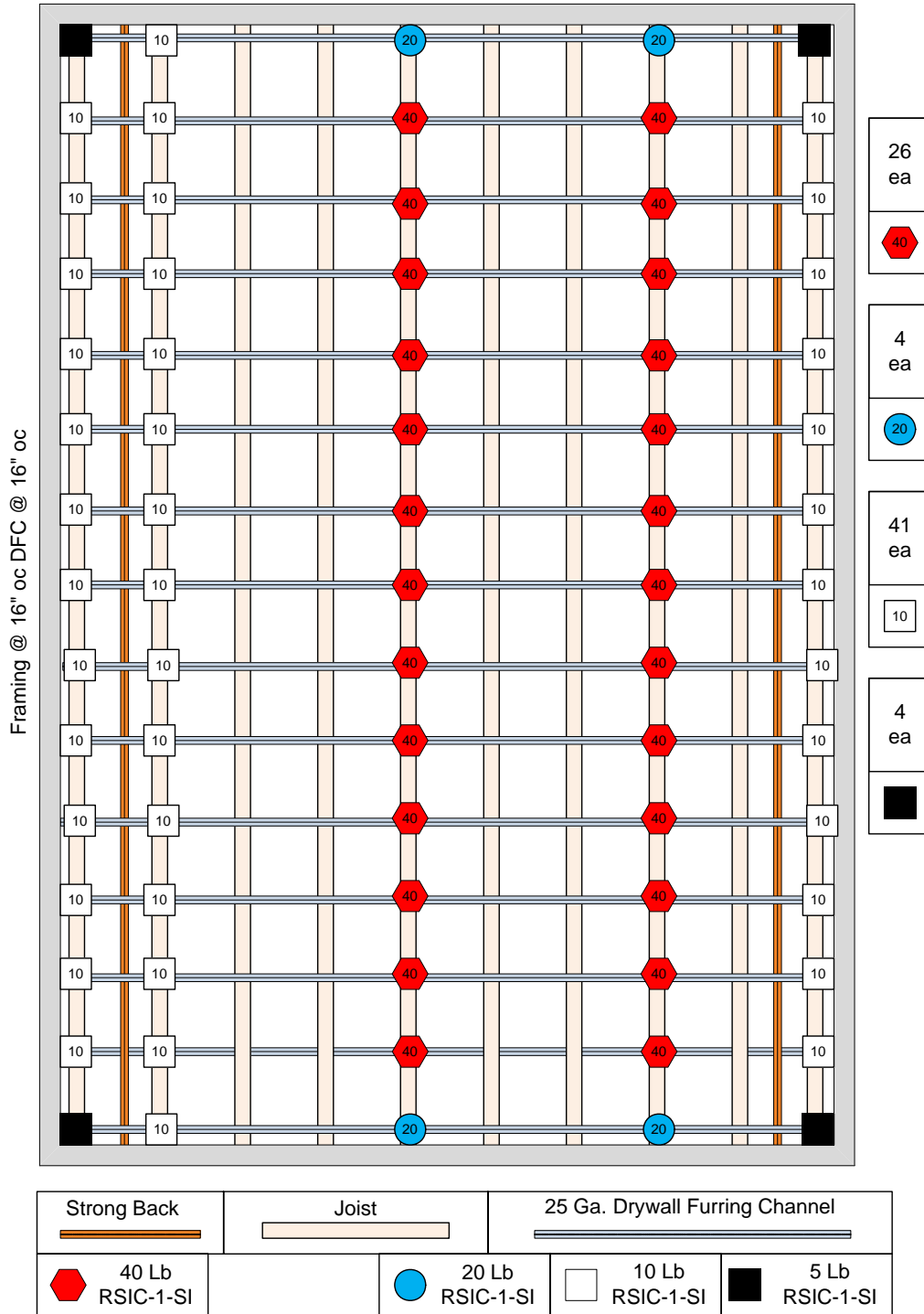
RSIC-1-SI HOME SERIES INSTALLATION WITH FRAMING SPACED @ 24" OC. & RSIC-1-SI HOME SERIES @ 16" OC.



# RSIC-1-SI HOME SERIES SOUND ISOLATION CLIP

APPLICATION RECOMMENDATIONS FOR CEILINGS WOOD OR STEEL FRAMING WITH 3 LAYERS OF GYPSUM BOARD OR EQUIVALENT

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



# RSIC-1-SI HOME SERIES SOUND ISOLATION CLIP



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SELLER AND BUYER AGREE THAT ALL ASPECTS OF THIS TRANSACTION INCLUDING THE APPLICABLE STATUTE OF LIMITATIONS SHALL BE GOVERNED BY THE INTERNAL LAW OF THE STATE OF NEVADA, AND NOT THE LAWS OF CONFLICTS. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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