



RSIC-SI-CRC EZ

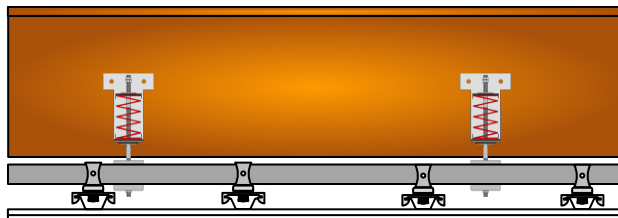
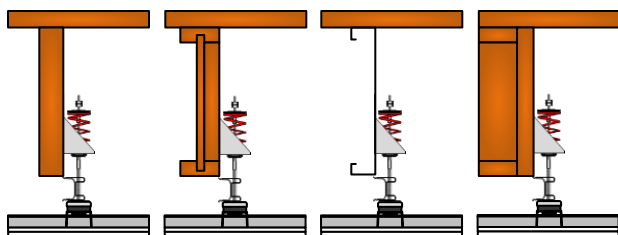
The RSIC-SI-CRC EZ is designed to isolate the ceiling consisting of 1.5" x 16 Ga cold rolled channel and furring channel (25 or 20 Ga). The RSIC-SI-CRC EZ clip is available in 10 lb, 20 lb, 40 lb, 80 lb versions. Maximum spacing for the RSIC-SI-CRC is 48" x 48" oc. The RSIC-SI-CRC EZ clips unique universal mounting system allows it to be mounted to wood and steel framed systems. The RSIC-SI-CRC EZ isolator also has an all new install EZ option for faster installation.

Wood
Steel

Gymnasium
Condo
Commercial

Apartment
Retail
Conference Rooms

Recording Studio
Home Theater
Commercial theater



RSIC-SI-CRC EZ specifications:

Acoustical design load:	5 lbs to 80 lbs
Total deflection	1 inch
Double deflection	YES (+/- 1/2")
Pre-Calibrated	YES
Pre-Assembled	YES
Adjustable	YES
Cavity min	1 inch (wood)
Cavity Max	9 inches
Adjustment limit	6 inches
Use on Ceilings	YES
Use on walls	NO
New Construction	YES
Tested, Engineered, Designed, and Calibrated In USA	



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in Noise
Control
Solutions**



GYPSUM BOARD ASSEMBLIES 09-80-00

PAC INTERNATIONAL, LLC.

1. Product Name

- RSIC-SI-CRC Ez Resilient Spring Isolation Clip System
 - RSIC-SI-CRC Ez for Wood and Steel frame systems.

2. Manufacturer

PAC International, LLC
7260 W Azure Dr
Suite 140-213
Las Vegas, NV 89130
Phone: (866) 774-2100
Fax: (866) 649-2710
Email: info@pac-intl.com
Web: www.pac-intl.com

3. Product Description

RSIC-SI-CRC Ez

The RSIC-SI-CRC EZ is designed for use with any wood-framed, or steel-framed ceiling system where noise control is needed. The RSIC-SI-CRC EZ assembly decouples and isolates the gypsum board or sheet goods from the structure increasing the acoustical performance of the system.

The RSIC-SI-CRC EZ stops the noise and vibrations that typically would be allowed to transfer through the structure.

Materials and Composition

The RSIC-SI-CRC EZ clips are composed of galvanized or aluminum-zinc coated steel and is manufactured in Canby, OR. The RSIC rubber isolators are made of natural rubber and/or manufactured rubber compound. The hanger assembly bracket shall be designed to allow up to fifteen (15) degrees of mis-alignment of the suspension member without making metal-to-metal contact between the suspension and hanger assembly members. The RSIC-SI-CRC EZ shall be designed with an integral spring pre-load selected to minimize change in elevation once a load is applied to the hanger and to hold the isolator assembly steady during attachment of gypsum board. The hanger assembly bracket shall consist of a side mount bracket and a leveling rod with an attached RSIC-EZ Clip designed to accept 1-1/2" x 1/2", 16-gauge cold-rolled steel. The isolation hanger deflection shall be selected by the manufacturer to provide a maximum natural frequency of 4.4 Hz.

Sizes and Weight-bearing Information

RSIC-SI-CRC EZ is available in 80Lb, 40 Lb, 20 Lb, 10 Lb, and 5 Lb acoustical load variations.



RSIC-SI-CRC EZ

Product Limitations

For interior use only with operating temperatures of 40–100 degrees F (4.4–37.8 degrees C).

4. Technical Data

- **Divisions:** 09-2000
09-8000
09-8500
10-2000

Applicable Standards

ASTM International (ASTM)

- **ASTM E90** Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
- **ASTM E413** Classification for Rating Sound Insulation

Environmental Considerations

The RSIC-SI-CRC-EZ may contribute to LEEDS points. The rubber RSIC fittings can be recycled.

The steel recycled content is less than 10 percent as required for fire life and safety regulations.

5. Installation

General installation: Follow manufacturer's specific installation instructions.

- Install resilient spring isolation clips, 1.5" CRC channel and drywall furring channels in accordance with manufacturer's instructions
- Mechanically fasten RSIC-SI-CRC EZ to structure with screws or bolts dependent upon structure.
- Space RSIC-SI-CRC EZ at maximum of 48 x 48 inches (1200 x 1200 mm) on center for ceilings.



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PAC INTERNATIONAL, LLC.

- Do not exceed design load (pull and shear) of the stated load on each RSIC-SI-CRC EZ Spring Isolator.
- When possible Stagger RSIC-SI-CRC EZ, so the load is supported by all support members.
- 7/8" furring channel tied or screwed to the 1.5" c/c channel using standard methods and spacing as determined by the load of the ceiling.
- Splicing Drywall Furring Channels:
 - Splice drywall furring channels with minimum of six inch (150 mm) laps
 - Secure laps with two framing screws or 18 gauge tie wire double wrapped
- Flanking Noise:
 - Review installation details to prevent structure-borne flanking noise
 - Do not allow drywall furring channels or gypsum board to contact foreign materials, including floors, ceilings or wall framing members
- Gypsum Board:
 - Install gypsum board on ceilings with a 1/4 inch (6 mm) gap around perimeter for acoustical sealant application or RSIC Perimeter Tape.
 - Install gypsum board in accordance with ASTM C840 as specified in Section 09250
- RSIC Perimeter Tape:
 - Install RSIC-Perimeter Tape to the areas where non isolated areas will abut to the RSIC-SI-CRC EZ ceiling system. The RSIC-Perimeter Tape is not to be penetrated by fasteners.
- Acoustical Sealant:
 - Seal potential air leaks with acoustical sealant to achieve best Sound Transmission Class (STC)
 - Seal electrical outlets and penetrations with acoustical sealant
 - Seal over RSIC Perimeter Tape with non-hardening acoustical sealant.
- Putty Pad Sealant: Acoustically seal with putty pads, electrical boxes in ceilings in which RSIC-SI-CRC EZ are used

6. Availability and Cost

Please contact PAC International, LLC. for availability and pricing information.

7. Warranty

RSIC-SI-CRC EZ clips have no warranty.

8. Maintenance

No maintenance is necessary.

9. Technical Services

PAC International Inc. offers online product pages, installation guides, and specification sheets. Technical information can be found on the website, www.pac-intl.com or by calling 866-774-2100, ext. 101 or 801. Fire ratings, sound test assemblies, CAD drawings, assembly drawings and clip specifications are also on the website.

10. Filing Systems

- Additional product information is available from the manufacturer upon request

RSIC-SI-CRC EZ

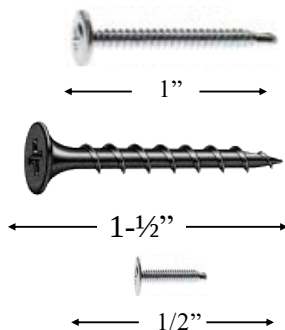
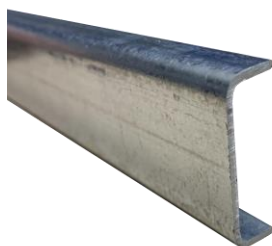
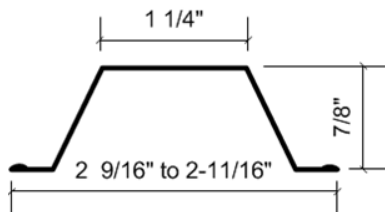
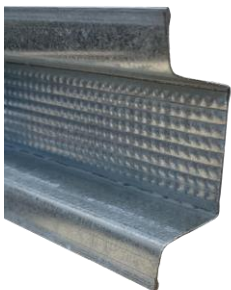


**SHIPPED FULLY
ASSEMBLED
AND CALIBRATED**

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RSIC-SI-CRC EZ SOUND ISOLATION CLIP



80 Lb
40 Lb
30 Lb
20 Lb
10 Lb
5 Lb

Drywall Furring Channel:

- **Furring Channel:** 25 gauge hemmed edge, or 20 gauge standard. Meets or exceeds SSMA requirements.
- **Depth:** 7/8 inch
- **Width Bottom:** 2-9/16" to 2-11/16" inch wide nominal.
- **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.

Carrier Channel Options:

- **48" spacing 16 Gauge Cold Rolled Channel (CRC)** Dim: 1/2" x 1.5" x 1/2" SSMA code: 150U050-54
- CRC and Steel Studs must meet or exceed SSMA standards

Fasteners:

- **RSIC-SI-CRC EZ to Wood:** 2 ea #10 x 1-1/2 inch minimum size coarse thread screw.
- **RSIC-SI-CRC EZ to Steel:** # 8 x 1 inch minimum size fine thread screw. (Recommended #12 or #10 x 1 inch hex head)
- **1.5" x 16 Gauge Cold Rolled Channel (CRC) 1/2" x 1.5"** Use min 9/16" self drilling framing screws to fasten the 1.5" CRC channel RSIC-SI-CRC EZ
- CRC and Steel Studs must meet or exceed SSMA standards

RSIC-SI-CRC EZ Spring Isolator

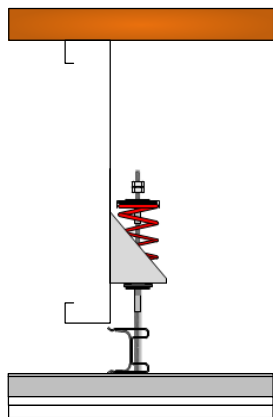
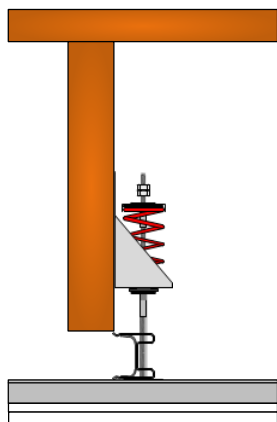
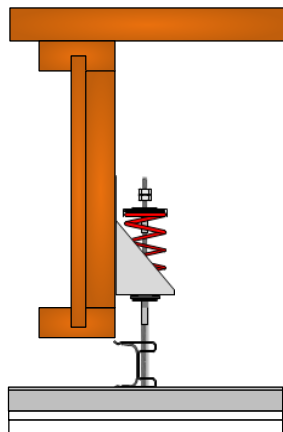
- **Maximum Spacing:** 48" oc. with Cold Rolled Channel
- **Finish elevation is 1/2" below preset height.**
- Silver = 80 Lbs
- Red = 40 Lbs
- Green = 30 Lbs
- Blue = 20 Lbs
- White = 10 Lbs
- Yellow = 5 Lbs

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RSIC-SI-CRC EZ SOUND ISOLATION CLIP



Ceilings: RSIC-SI-CRC EZ clips installed 48" oc

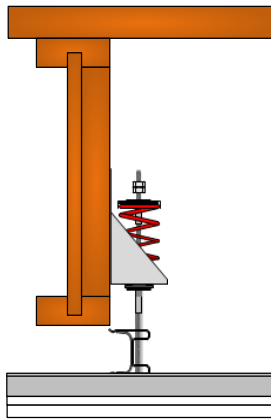
- Resilient Sound Isolation Clips (RSIC-SI-CRC EZ) shall be max 48 inches on center .
- Layout the RSIC-SI-CRC EZ clips according to general guidelines represented in this installation manual.
- Any additional or non standard room dimensions need to be addressed by a professional engineer.
- Carefully remove RSIC-SI-CRC EZ pre-assembled, and pre-calibrated clips from packaging.
- Be cautious to not rotate the RSIC-SI-CRC EZ clips separate from the Upper bracket. This may change the factory calibration of RSIC-SI-CRC EZ.
- Verify the correct quantity of each RSIC-SI-CRC EZ isolator (weight / color) is included in the shipment.
- Layout the RSIC-SI-CRC EZ 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-CRC EZ clips, or additional clips to support the drywall furring channel.
- Fasten the Resilient Sound Isolation Clip (RSIC-SI-CRC EZ) to the structure with fasteners approved for a minimum pull-out and shear of 200 lbs. Allowing for 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-CRC EZ brackets at the same height
- At the perimeter, the distance between the wall and first support for the drywall shall be less than 8"
- Snap the 16 Ga cold rolled channel to the RSIC-SI-CRC EZ clip. This is a temporary connection to speed up installation.
- Screw the RSIC-SI-CRC EZ clip to the CRC channel with 2 1/2" min screws to make a permanent connection.
- Wire tie the drywall furring channel to the cold rolled channel @ 24" oc or 16" oc. (24" oc for 1 or 2 layers of gyp board, 16" oc for 3 layers of gyp board)
- 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 on page 5)

- **Silver = 80 Lbs**
- **Red = 40 Lbs**
- **Green = 30 Lbs**
- **Blue = 20 Lbs**
- **White = 10 Lbs**
- **Yellow = 5 Lbs**

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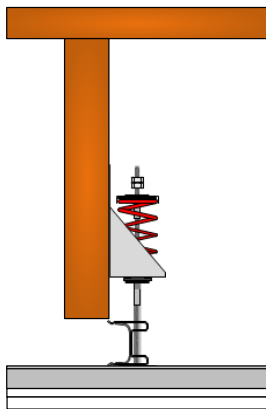


Calibration and Adjustment:

- To field adjust the RSIC-SI-CRC EZ clip, rotate the Screw attaching the RSIC-SI-CRC EZ clip to the spring. Clockwise to raise. In converse rotate the screw 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-SI-CRC EZ clip is designed to deflect only 1/2" from its pre-loaded (pre-set) position after the 2nd layer gypsum board has been installed.

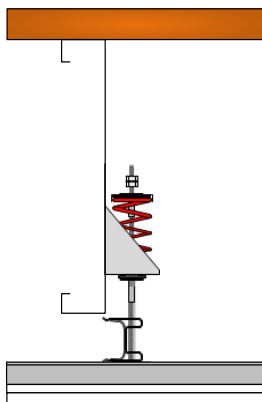
Ceilings:

- IF required 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-SI-CRC EZ is engineered for use with a minimum of 2 layers of 5/8" gypsum board.
- * RSIC OHD Adapter used for attaching directly to Concrete



General Information:

- Resilient Sound Isolation Clip Spring Isolator (RSIC-SI-CRC EZ), furring channel (hat track) and gypsum board shall not carry heavy loads such as Projectors, HVAC Ducting, Curtains, etc. For these items use additional RSIC isolation clips specifically designed for that purpose.
- 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-CRC EZ 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

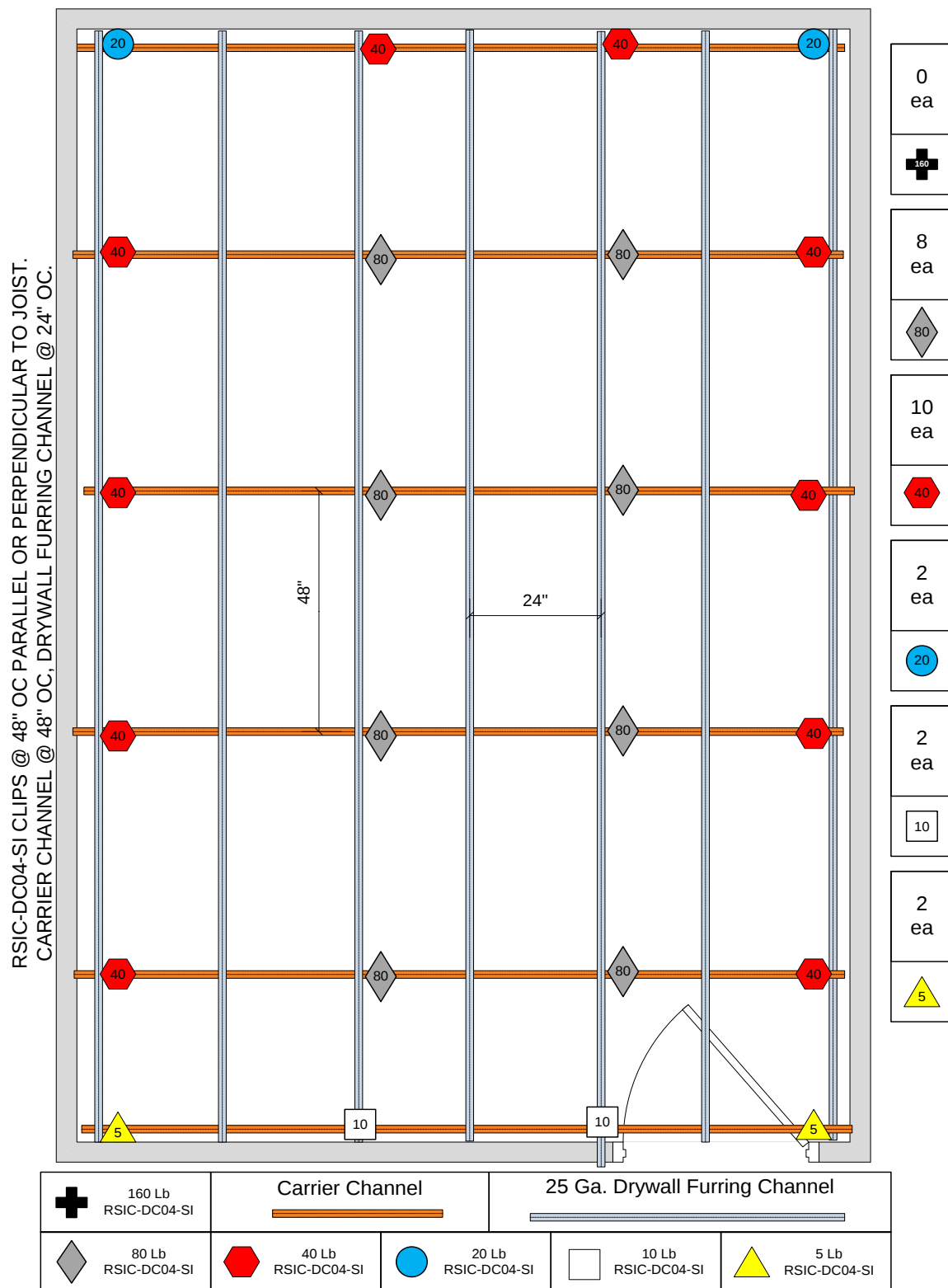
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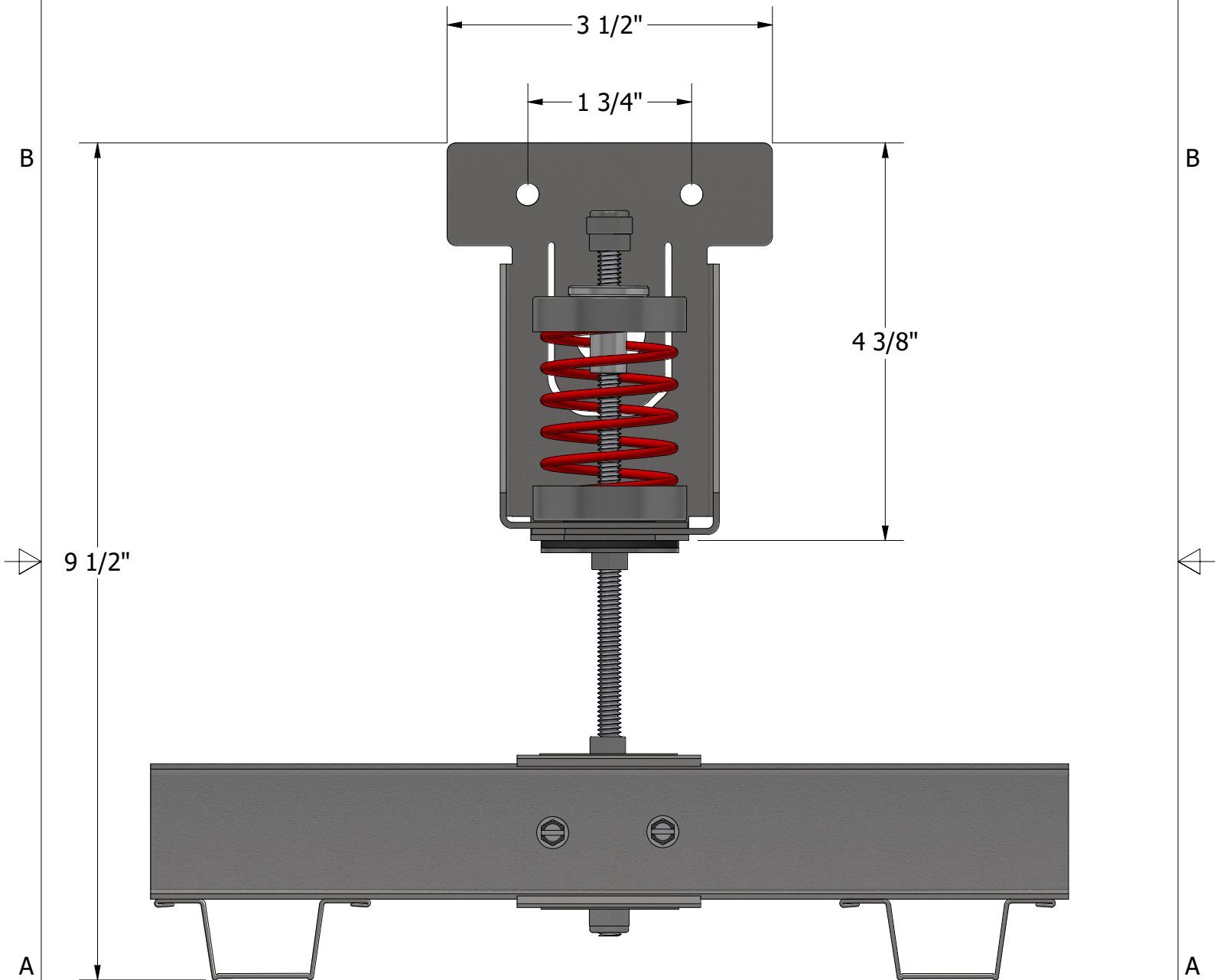
Sample layout 48" oc.



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RSIC-SI-CRC EZ Loaded Height



Measurements +/- 1/16"

RSIC-SI-CRC EZ
Loaded

2/1/2023

SCALE
5/8

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**NOISE
CONTROL
SOLUTIONS**

REAL SOLUTIONS IN CONSTRUCTION

LEED Analysis
RSIC-SI-CRC EZ

Recycled Content

PAC International's RSIC-SI-CRC EZ does not contain significant recycled content.

Fabrication Location

The RSIC-SI-CRC EZ is manufactured in Canby, OR 97013

Material Source

The extraction points for the materials in these products cannot be verified. Assume they are outside the 500 mile radius.



RSIC ® Safety Data Sheet

Article Statement

(PAC International, LLC Wall and Ceiling Isolation Products)

This document is provided for clarification of the Safety Data Sheets that you have requested for our product(s). OSHA Hazard Communication Standard requires a SDS for hazardous chemicals; however, the standard exempts all articles from the requirement. The explanation of an article is described per OSHA definition below.

Pursuant to 29 CFR 1910.1200 (b) (6) (v) and (c), the product described herein is an “article” or is otherwise excluded from OSHA regulations requiring that a Material Safety Data Sheet be prepared for it.

An article defined: manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacturing; (ii) which has an end use function (s) dependent in whole or in part upon its shape or design during end use; and (iii) which does not release, or otherwise result in exposure to, a hazardous chemical under normal conditions of use.

For technical information and additional resources covering these products please refer to PAC International published literature, e.g., data sheets, product drawings, and installation guidelines at www.PacInternationalLLC.com

As of the date of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable federal and state laws. However, no warranty or representation of law or fact, with respect to such information, is intended or given.



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RSIC Product Warranty Disclaimer

WARRANTY DISCLAIMER AND LIABILITY LIMITATION LANGUAGE

WARRANTY AND DISCLAIMER AND LIABILITY LIMITATION LANGUAGE ONE YEAR WARRANTY Seller warrants to the original purchaser that its products are free from defects in material or workmanship for one year from the date of purchase from seller. Any allegedly defective product that is portable must be returned to seller prepaid. If upon examination it appears to seller's satisfaction that the product is defective, seller shall repair, replace, or return the purchase price of the product at seller's option. EXCEPT FOR THE FOREGOING, THERE IS NO OTHER WARRANTY, REPRESENTATION OR CONDITION OF ANY KIND; AND ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS EXCLUDED AND DISCLAIMED. Some states do not allow limitations on implied warranties, so the above limitation may not apply to you.

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IT IS AGREED THAT SELLER'S LIABILITY AND PURCHASER'S SOLE REMEDY, WHETHER IN CONTRACT, UNDER ANY WARRANTY, IN TORT (INCLUDING NEGLIGENCE), IN STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE RETURN OF THE AMOUNT OF THE PURCHASE PRICE PAID BY PURCHASER, AND UNDER NO CIRCUMSTANCES SHALL SELLER BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, PERSONAL INJURY, PROPERTY DAMAGE, DAMAGE TO OR LOSS OF EQUIPMENT, LOST PROFITS OR REVENUE, COSTS OF RENTING REPLACEMENTS AND OTHER ADDITIONAL EXPENSES, EVEN IF SELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE PRICE STATED FOR THE EQUIPMENT IS A CONSIDERATION IN LIMITING SELLER'S LIABILITY AND PURCHASER'S REMEDY. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

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MODEL FOR DEMONSTRATION PURPOSES ONLY

THE MODEL OR SAMPLE SHOWN BY SELLER TO BUYER IS USED FOR DEMONSTRATION PURPOSES ONLY. THERE IS NO WARRANTY THAT THE GOODS AS DELIVERED SHALL CONFORM TO THE MODEL OR SAMPLE, AND CONFORMITY OF THE GOODS TO THE MODEL OR SAMPLE IS NOT PART OF THE BASIS OF THE BARGAIN BETWEEN SELLER AND BUYER.

NO WARRANTY OR COMPLIANCE WITH SAFETY CODE OR REGULATION

SELLER DOES NOT WARRANT THAT ANY OF THE GOODS SOLD WILL MEET OR COMPLY WITH THE REQUIREMENTS OF ANY SAFETY CODE, BUILDING OR DWELLING CODE, OR REGULATION OF ANY STATE, MUNICIPALITY OR OTHER JURISDICTION.

NEVADA LAW APPLIES

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