



RSIC-1 LOW PROFILE



The **RSIC-1-LOW PROFILE** is designed for use with any wood framed, steel framed ceiling system. The RSIC-1-LOW PROFILE clip decouples and isolates the gypsum board or plywood from the structure where maximum ceiling height is desired. With an Acoustical design load rating of 36 lbs per isolator, the RSIC-1-LOW PROFILE clip can support one or two layers of 5/8" gypsum board when spaced at 24" x 48" oc. For heavier systems increase the number of isolators to support the additional weight of the system. The RSIC-1-LOW PROFILE clip fastens directly to the side of the framing creating a cavity below the joist as small as 1/2".

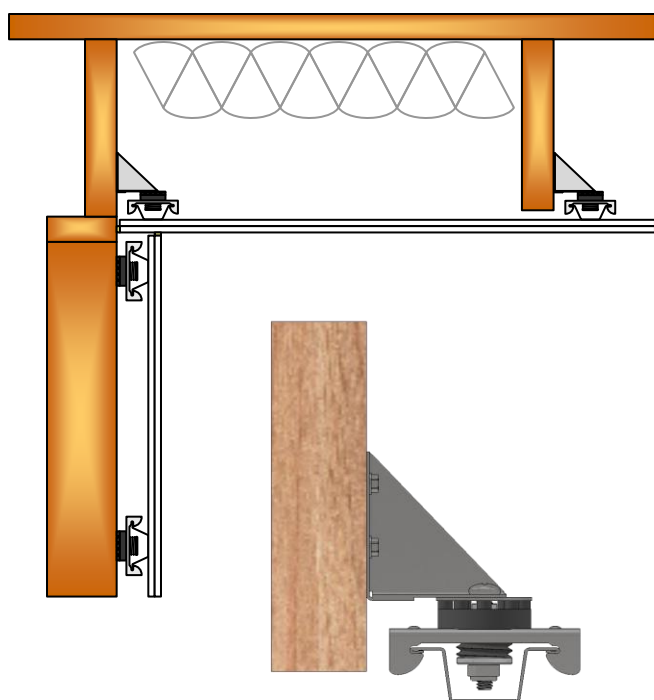
RSIC-1-LOW PROFILE, the Low Cost, High Performance, Noise control Solution

Wood
Steel
Metal deck

Concrete
Condo
Commercial

Apartment
Retail
Conference Rooms

Recording Studio
Home Theater
Commercial theater



RSIC-1-LOW PROFILE specifications:

Acoustical design load:	36 Lbs
Total deflection	3 mm
Double deflection	Yes (1.5 mm)
Low VOC	Yes
Adjustable	Yes
Cavity min	1/2"
Cavity Max	1"
Adjustment limit	1/2"
Use on Ceilings	Yes
Use on walls	No
New Construction	Yes
Assembled in USA	Yes

1. Product Name

- RSIC-1 LOW PROFILE Resilient Sound Clip..
 - RSIC-1 LOW PROFILE Resilient Sound Isolation height adjustable Clip

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-1 LOW PROFILE

The RSIC-1 Low Profile is designed for use with the RSIC-1 when there is no framing member near the wall to attach a RSIC-1 to. The RSIC-1 LOW PROFILE assembly decouples and isolates the gypsum board or other sheet goods from the structure increasing the acoustical performance of the system.

The RSIC-1 Low Profile stops the noise and vibrations that typically would be allowed to transfer through the structure.

Materials and Composition

The RSIC-1 Low Profile rubber isolator are made of natural rubber and/or manufactured rubber compound, and steel parts.

Environmental Considerations

The RSIC-1 Low Profile may contribute to LEEDS points, by reducing materials needed to achieve high STC and IIC floor ceiling systems.

The rubber and Steel portions can be recycled.

Weight-bearing Information

With an acoustical design load rating of up to 36 pounds. The RSIC-1 Low Profile clip fastens directly to the framing or top plate of the wall.

RSIC-1 LOW PROFILE



Product Limitations

For interior use only with operating temperatures of 40–100 degrees F (4.4–37.8 degrees C). Max load 26 Lbs, 13 Lbs, 7 Lbs.

4. Technical Data

Division: 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 E492** Standard Test Method for Laboratory Measurement of Impact Sound Transmission Loss of Building Partitions and Elements
- **ASTM E413** Classification for Rating Sound Insulation

5. Installation

General installation:

follow manufacturer's specific installation instructions. Install as required by UL fire resistive design.

- Install RSIC-1 Low Profile Resilient Sound Isolation Spring Clip following the manufacturer recommendations.
- Install the RSIC-1 Low Profile at the end of a Furring channel run where there is no ceiling joist to support a RSIC-1 clip.
- Fasten the RSIC-1 Low Profile to the structure
 - For Wood framed ceilings use 1 ea 8 x 1-1/2" long coarse thread screw min.
 - For Steel framed ceilings use a min length #8 x 1/2" long self-drilling fine thread screw



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Control
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GYPSUM BOARD ASSEMBLIES 2022

PAC INTERNATIONAL, LLC.

- Install 7/8" 25 Ga drywall furring channel (Hat Channel) into RSIC-1 Low Profile at a maximum of 24 x 48 inches on center. 7/8" 25 GA drywall furring channel snaps into the RSIC-1 Low Profile bottom.
- Max design load of each RSIC-1 Low Profile is 36 Lb.
- Max spacing 24" oc. X 48" oc,
- Splicing Drywall Furring Channels:
 - Splice drywall furring channels with minimum of six inch overlap.
 - Secure laps with two framing screws or 18 gauge tie wire double wrapped
 - Locate splices between resilient sound isolation clips
 - Do not locate splices on resilient sound isolation clips
- Flanking Noise:
 - Review installation details to prevent structure-borne flanking noise
 - Do not allow drywall furring channels or gypsum board to contact wall framing members
- Gypsum Board:
 - Install gypsum board in perpendicular to the Drywall Furring Channel. Leave a 1/4 inch (6 mm) gap around perimeter for acoustical sealant application
 - Install gypsum board in accordance with ASTM C840 as specified in Section 09250
- Acoustical Sealant:
 - Seal potential air leaks with acoustical sealant to achieve best Field Sound Transmission Class (FSTC)
 - Seal electrical outlets and penetrations with acoustical sealant
 - Apply fire-rated acoustical sealant at locations where fire- rated assembly is required
- Putty Pad Sealant: acoustically seal with putty pads, electrical boxes in walls and ceilings in which resilient sound isolation clips are used

6. Availability and Cost

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

7. Warranty

RSIC-1 Low Profile clips are guaranteed free of manufacturer defects. Only remedy is the replacement of the defective component or components. Manufacturer is not liable for delays or extra costs.

8. Maintenance

No maintenance is necessary.

9. Technical Services

PAC International LLC. 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

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

2

1

B

3 1/2"

2 1/2"

B

A

3 15/16"

A

3 3/8"

RSIC-1 Low
Profile

1/27/2023

SCALE

1

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Solutions

2

1

A

RSIC-1-LOW PROFILE SOUND ISOLATION CLIP

RSIC-1-LOW PROFILE INSTALLATION GUIDE

RSIC-1 LOW PROFILE



For use in conjunction with the RSIC-1 clip

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RSIC-1-LOW PROFILE SOUND ISOLATION CLIP

RSIC-1-LOW PROFILE INSTALLATION GUIDE



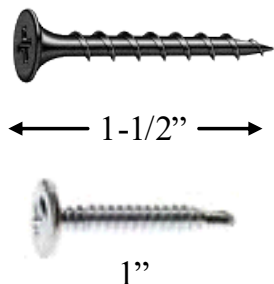
Resilient Sound Isolation Clip (RSIC-1-LOW PROFILE)

- Spacing: maximum 48 inches on center
- Maximum acoustical design load: 36 lbs
- RSIC-LOW PROFILE is designed for use where the RSIC-1 clip has a profile that is too large, and a lower 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 1/2 inch

RSIC-1-LOW PROFILE dimensions:

- RSIC-1-LOW PROFILE clip 1-1/2" wide
- RSIC-1-LOW PROFILE clip 3-7/16" long
- RSIC-1-LOW PROFILE clip 3-5/8" tall

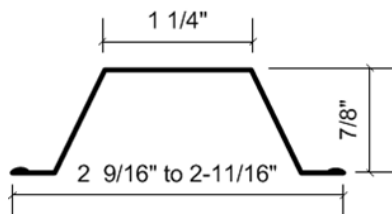
Fasteners:



- RSIC-1-LOW PROFILE to wood: #8 x 1-1/2 inch minimum size coarse thread screw. (Optional #10 or #12 x 1-1/2 inch hex head)
- RSIC-1-LOW PROFILE to Steel: # 8 x 1 inch minimum size fine thread screw. (Optional #10 or #12 x 1/2 inch hex head)
- 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: 2-9/16 to 2-11/16 inch wide.
- 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: 30 clips per man hour

Drywall Furring Channel: 550LF per man hour

Labor rates provided to PAC International by independent contracting firm

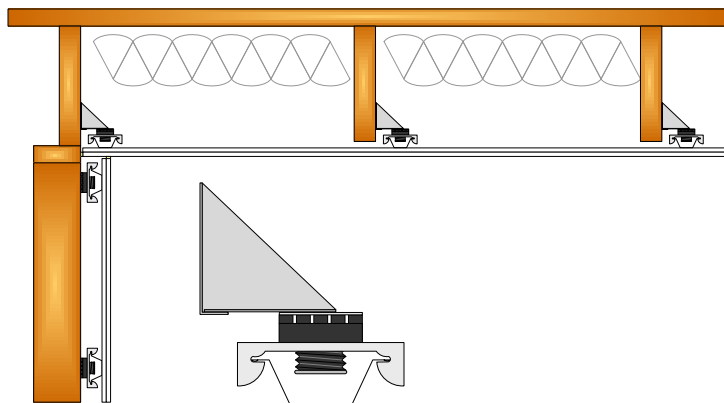
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RSIC-1-LOW PROFILE

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 parallel to the joist with only ½” of the channel extending below the bottom of the joist.

Ceilings: One layer 5/8” gypsum

- Resilient Sound Isolation Clip (RSIC-1-LOW PROFILE) shall be max 48 inches on center maximum for one or two layers of 5/8" gypsum board.
- Fasten the Resilient Sound Isolation Clip (RSIC-1-LOW PROFILE) to the side of the joist ensuring all of the RSIC-1-LOW PROFILE clips are in the same level.
- 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 fasteners into the joist only.
- RSIC-1 Low Profile clip can be expected to settle up to 1/8" after all gypsum board is installed

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.

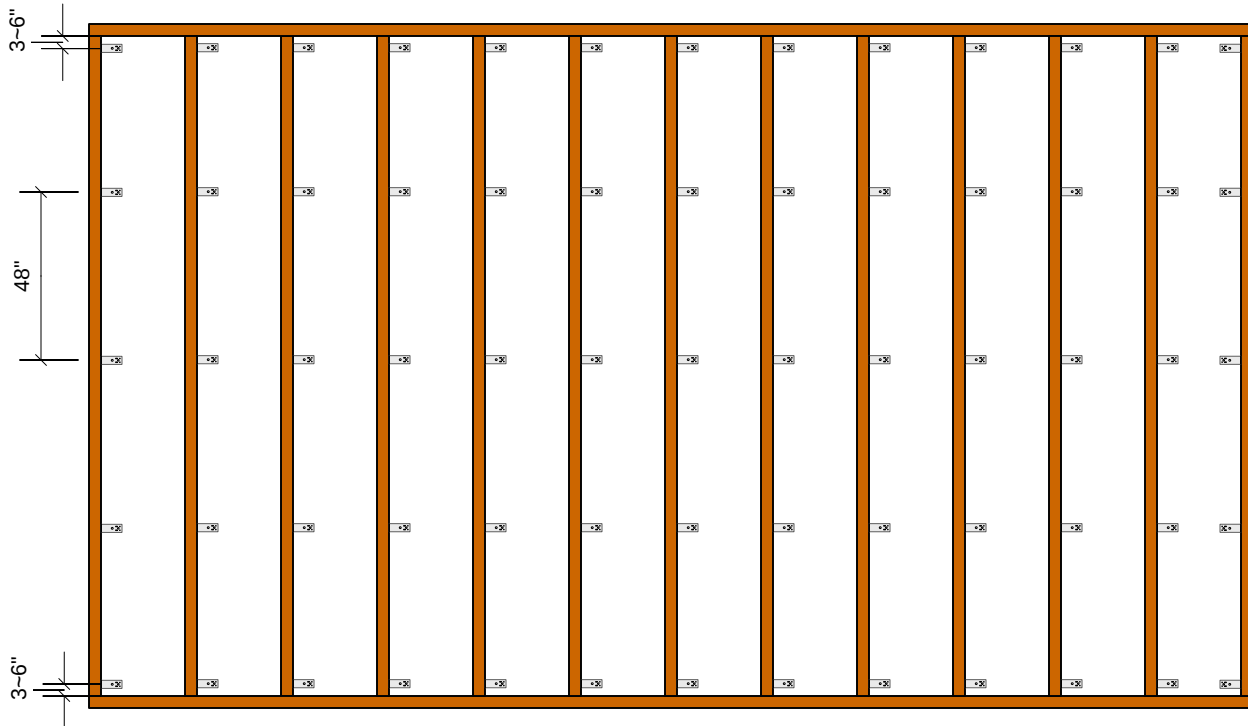
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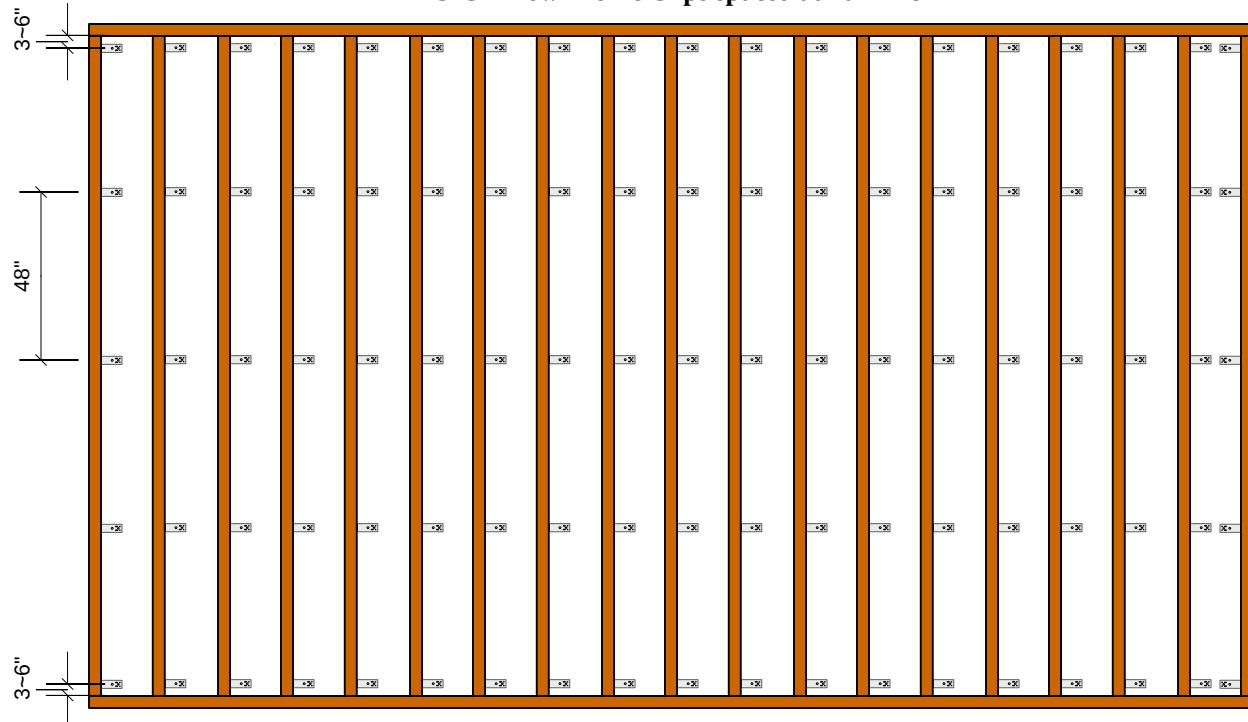
RSIC-1-LOW PROFILE SOUND ISOLATION CLIP

RSIC-1-LOW PROFILE INSTALLATION GUIDE

RSIC-1 Low Profile installed on Joist 24" o.c. for 1 or 2 layers 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 or 2 layers of 5/8" gypsum board
RSIC-1 Low Profile Clips spaced at 16" x 48"



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REAL SOLUTIONS IN CONSTRUCTION

LEED Analysis **RSIC-1 Low Profile**

Recycled Content

PAC International's RSIC-1 Low Profile does not contain significant recycled content.

Fabrication Location

The RSIC-1 Low Profile 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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SELLER WILL NOT BE LIABLE FOR ANY DAMAGES, LOSSES OR EXPENSES AS A RESULT OF PURCHASER'S NEGLIGENCE, WHETHER DEEMED ACTIVE OR PASSIVE AND WHETHER OR NOT ANY SUCH NEGLIGENCE IS THE SOLE CAUSE OF ANY SUCH DAMAGE, LOSS OR EXPENSE.

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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