GENIECLIP®

Sound Isolation Clips
**GENIECLIP**

Innovative and reliable sound isolation

**PRODUCT OVERVIEW**

Engineered for superior acoustical performance in reducing the transmission of airborne and impact sound through wall and floor-ceiling assemblies.

The **GenieClip RST** is a unibody molded rubber and galvanized steel mount used to attach gypsum wallboard (GWB) to either wall or floor-ceiling assemblies. Made from recycled components, and engineered to allow reduction in assembly weight, the **GenieClip** contributes to LEED® certified buildings.
**ENGINEERED TO WORK**

The **GenieClip® RST** is easy and fast to install using standard steel furring channel, and is extremely stable when held in place with a single fastener. There is nothing to adjust or site fit. The furring channel is simply snapped into the **GenieClip RST** and the gypsum wallboard can be immediately installed.

Only one screw required to attach **GenieClip RST** to wood or metal wall studs or floor joists

Engage standard 25 gauge drywall furring channel into either claw, then squeeze channel to engage the claw

**ENGINEERED TO BE FOOLPROOF**

Resilient channel is commonly short circuited, whereas the **GenieClip RST** is impossible to short circuit.

**ENGINEERED TO REDUCE SOUND TRANSMISSION**

**LOW FREQUENCY PERFORMANCE**

**WOOD TRUSS IIC COMPARISON**

*3 5/8" metal stud wall, 1 layer of GWB on each side"
FLOOR-CEILING ASSEMBLIES
OPEN-WEB WOOD TRUSSES

Wood Truss with GenieClip® RST and Gypsum Concrete

Gypsum Wallboard
Baseboard
Acoustical Sealant
GenieMat® PMI

Vinyl Plank Flooring
3/4" Gypsum Concrete
7/8" O.S.B or T&G Plywood Subfloor

3 1/2" Insulation (secured to subfloor)
18" Open Web Wood Truss

24" OC Furring Channel Spacing

Wood Truss with GenieClip RST and NO Gypsum Concrete

Gypsum Wallboard
Baseboard
Acoustical Sealant
GenieMat RST

Vinyl Plank Flooring
3/4" O.S.B or T&G Plywood Subfloor

3 1/2" Insulation (secured to subfloor)
18" Open Web Wood Truss

24" OC Furring Channel Spacing
FLOOR-CEILING ASSEMBLIES
ENGINEERED JOISTS

TJI Floor Joist with GenieClip® RST and Gypsum Concrete

- 1/2" Wood Flooring on GenieMat® RST02
- 5/16" Porcelain Tile on GenieMat RST02
- 1/8" Vinyl Plank on GenieMat RST02
- 1 1/2" Gypsum Concrete
- GenieMat FF25
- 3/4" O.S.B Sheathing
- 6 1/4" Insulation

UL Assembly L518, L547, L570, L589, M502, M506

TJI Floor Joist with GenieClip RST and NO Gypsum Concrete

- 1/2" Wood Flooring on GenieMat RST02
- 5/16" Porcelain Tile on GenieMat RST02
- 1/8" Vinyl Plank on GenieMat RST02
- 1/2" Plywood
- GenieMat FF25
- 3/4" O.S.B Sheathing
- 6 1/4" Insulation

UL Assembly L518, L570, L589, M502, M506

For more information, please contact Marino\WARE® Technical Services at 866-545-1545.
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**FLOOR-CEILING ASSEMBLIES**

**SOLID WOOD 2 X 10 JOIST**

### Solid Joist with No Gypsum Concrete

- 5/16" Ceramic Tile on GenieMat RST02
- 1/8" Vinyl Plank on GenieMat RST02
- 5/8" Plywood Subfloor
- 1/2" Plywood Subfloor
- 3 1/2" Insulation
- 10" Wood Joist

**Material Specifications**

- **Ceramic Tile**: 7013208
- **Vinyl Plank**: 7013216
- **UL Assembly**: L502

### Solid Joist Retrofit Ceiling

- 5/16" Ceramic Tile on GenieMat RST02
- 1/8" Vinyl Plank on GenieMat RST02
- 5/8" Plywood Subfloor
- 1/2" Plywood Subfloor
- 3 1/2" Insulation
- 10" Wood Joist

**Material Specifications**

- **Ceramic Tile**: 5013136 7013216
- **Vinyl Plank**: 5013143 7013208
- **UL Assembly**: L502

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For more information, please contact Marino WARE® Technical Services at 866-545-1545.
FLOOR-CEILING ASSEMBLIES
HOLLOW CORE PLANK

8” Hollow Core Plank

STEEL FLOOR SYSTEMS

Steel Deck and Joist System

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**FLOOR-CEILING ASSEMBLIES**

**COMPOSITE FLOOR SYSTEMS**

### 16” Insulated Concrete Form

- 1/2” Wood Flooring
- GenieMat RST05
- 16” Insulation Concrete Form
- 24” OC

- 1/2” Gypsum Board
- GenieClip RST
- 2 1/2” Insulation
- 7/8” Furring Channel
- 5/8” Gypsum Wallboard

**Test Results**

- Amanda Soendoro
- 2016-12-02
- Phone: (416) 449 - 0049
- Fax: (416) 849 - 0415

**GENERAL NOTES:** Test:

**DRAWN BY:**

**DATE:**

**SCALE:**

**DWG. NO.:**

**UL Assembly LS02**

**F3052.12**

**63 STC**

**65 IIC**

### 4” Normal Weight Composite Deck

- 1/2” Wood Flooring
- GenieMat RST05
- 4” NW Composite Deck

- 1/2” Gypsum Board
- GenieClip RST
- 3” Insulation
- 7/8” Furring Channel
- 5/8” Gypsum Wallboard

**Test Results**

- Amanda Soendoro
- 2016-12-02
- Phone: (416) 449 - 0049
- Fax: (416) 849 - 0415

**GENERAL NOTES:** Test:

**DRAWN BY:**

**DATE:**

**SCALE:**

**DWG. NO.:**

**UL Assembly LS02**

**F5690.06**

**55 STC**

**54 IIC**

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FLOOR-CEILING ASSEMBLIES
TIMBER FLOORS

Cross Laminated Timber

Wood Beam and Plank

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**GENIEClip® LB**

Resilient sound isolation bracket used in a variety of applications where structural support is required, including wall sway bracing, ceiling suspension, and accessory mounting.

Significantly improves low and high frequency sound control performance. Substantially reduces impact noise in floor-ceiling assemblies. Adaptable to a variety of sound control applications.

Can be installed from the ground using extended gas-powered tools for wire-suspended ceilings.

### Isolated Wire Suspended Ceilings

**PROFILE VIEW**

- 6" Concrete Slab
- **GenieClip LB**
- Drywall Grid
- 12 Ga. Wire Hanger
- 6 1/2" Insulation
- 5/8" Gypsum Wallboard
- 24" max (or as specified)
- 48" max OC

**PLAN VIEW**

- Main Tee: North-South
- Cross Tee: East-West
- 48" max OC
- 48" max OC

**Acoustical Sealant**

**Steel Stud Frame**

**5/8" Gypsum Wallboard**

**Ductwork** (suspend as specified)

**STC** 64

**IIC** 53

**F1751.05**

### Isolated Framing for Bulkhead Mounting

**PROFILE VIEW**

- Floor Joist
- **GenieClip LB**
- Acoustical Sealant
- Isolation Framing
- Gypsum Wallboard
- Ductwork (suspend as specified)
- 48" max OC

- 3/4" min

**FRONT VIEW**

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**GENIEClip® LB2**

Resilient sound isolation clip with extended steel bracket used as a stand-alone system or in conjunction with a GENIEClip RST wall or ceiling system. Extends or reduces the profile space between the gypsum wallboard layer and floor joists or wall studs and provides support at the wall termination of furring channels.

Improves low and high frequency sound control performance. Reduces impact noise in floor-ceiling assemblies. Allows for thinner and even no resilient mat used in certain floor-ceiling assemblies.

**Levelling a Wood Joist Ceiling**

**GENIEClip C3**

Ideal for use with threaded rod (black iron) suspended ceilings or when wire isolation cannot be achieved at the structural deck interface.

**Isolation of Threaded Rod Ceiling**
**GENIECLIP® LB3**

Resilient sound isolation clip with extended steel bracket used as a stand-alone system or in conjunction with a **GenieClip RST** wall or ceiling system. Extends or reduces the profile space between the gypsum wallboard layer and floor joists or wall studs and provides support at the wall termination of furring channels.

Improves low and high frequency sound control performance. Reduces impact noise in floor-ceiling assemblies. Allows for thinner and even no resilient mat used in certain floor-ceiling assemblies.

### Eliminate Perimeter Blocking

- **Furring Channel**
- **GenieClip LB3**
- **Gypsum Wallboard**
- **Acoustical Sealant**

Using the **GenieClip LB3** at the perimeter of an isolated ceiling can eliminate the need for additional wood blocking.

### Maximize Ceiling Height

- **Plywood Joist**
- **GenieClip LB3**
- **Furring Channel**
- **Gypsum Wallboard**

To maximize ceiling height, use the **GenieClip LB3** side-mounted on wood frame construction.

- **Plywood Joist**
- **GenieClip LB3**
- **Furring Channel**
- **Gypsum Wallboard**

By installing the furring channel parallel to the joist, the **GenieClip LB3** can maximize ceiling height while maintaining isolation.
GENIECLIP® MOUNT
RESILIENT SOUND ISOLATION CLIP FOR HEAVY MOUNTING

The **GenieClip Mount** is a resilient unibody molded rubber and steel bracket used for sound isolation in a variety of applications where superior structural support is required for installation, such as TVs, kitchen cabinets, headboards, garage door openers, various medical equipment, and handrails.

The **GenieClip Mount** supports, in shear and tension, a piece of 6” metal stud track at the same depth as the resiliently isolated drywall furring channel.

**ADVANTAGES**

- Significantly improves low and high frequency sound control performance. Substantially reduces impact noise from fixtures mounted on walls and ceilings. Easily fastens to standard 6” metal stud track.

Front view of installed **GenieClip Mount** and metal stud track.

Vibration level on receiver room side of wall due to kitchen cabinet door slams with and without **GenieClip Mounts**.

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WALL ASSEMBLIES

METAL STUD

<table>
<thead>
<tr>
<th>GenieClip® RST with 2 Layers</th>
<th>GenieClip RST with 3 Layers</th>
<th>GenieClip RST with 4 Layers</th>
</tr>
</thead>
<tbody>
<tr>
<td>GenieClip RST</td>
<td>GenieClip RST</td>
<td>GenieClip RST</td>
</tr>
<tr>
<td>3 1/2&quot; Insulation</td>
<td>3 1/2&quot; Insulation</td>
<td>3 1/2&quot; Insulation</td>
</tr>
<tr>
<td>7/8&quot; Furring Channel</td>
<td>7/8&quot; Furring Channel</td>
<td>7/8&quot; Furring Channel</td>
</tr>
<tr>
<td>3 5/8&quot; Metal Stud</td>
<td>3 5/8&quot; Metal Stud</td>
<td>3 5/8&quot; Metal Stud</td>
</tr>
<tr>
<td>5/8&quot; Gypsum Wallboard</td>
<td>5/8&quot; Gypsum Wallboard</td>
<td>2 x 5/8&quot; Gypsum Wallboard</td>
</tr>
<tr>
<td>5/8&quot; Gypsum Wallboard</td>
<td>5/8&quot; Gypsum Wallboard</td>
<td>5/8&quot; Gypsum Wallboard</td>
</tr>
</tbody>
</table>

6 1/2" max OC                 7 1/8" max OC                   7 3/4" max OC

56 STC                        60 STC                        64 STC
TL07-620                      UL Assembly U419, U423         UL Assembly U419, U423

WOOD STUD

<table>
<thead>
<tr>
<th>GenieClip RST with 2 Layers</th>
<th>GenieClip RST with 3 Layers</th>
<th>GenieClip RST with 4 Layers</th>
</tr>
</thead>
<tbody>
<tr>
<td>GenieClip RST</td>
<td>GenieClip RST</td>
<td>GenieClip RST</td>
</tr>
<tr>
<td>3 1/2&quot; Insulation</td>
<td>3 1/2&quot; Insulation</td>
<td>3 1/2&quot; Insulation</td>
</tr>
<tr>
<td>7/8&quot; Furring Channel</td>
<td>7/8&quot; Furring Channel</td>
<td>7/8&quot; Furring Channel</td>
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<tr>
<td>2 x 4&quot; Wood Stud</td>
<td>2 x 4&quot; Wood Stud</td>
<td>2 x 4&quot; Wood Stud</td>
</tr>
<tr>
<td>5/8&quot; Gypsum Wallboard</td>
<td>5/8&quot; Gypsum Wallboard</td>
<td>5/8&quot; Gypsum Wallboard</td>
</tr>
<tr>
<td>2 x 5/8&quot; Gypsum Wallboard</td>
<td>2 x 5/8&quot; Gypsum Wallboard</td>
<td>2 x 5/8&quot; Gypsum Wallboard</td>
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</table>

6 1/2" max OC                 7 1/8" max OC                   7 3/4" max OC

57 STC                        61 STC                        64 STC
TL07-673                      UL Assembly U305                 UL Assembly U305

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**WALL ASSEMBLIES**

**ENGINEERED PARTITIONS**

### NEW WAY with GenieClip® RST

- **GenieClip RST**
- 3 1/2" Insulation
- 7/8" Furring Channel
- 3 5/8" Metal Stud
- 5/8" Gypsum Wallboard
- 5/8" Gypsum Wallboard

48" max OC

6 1/2"

56 STC

TL07-620

UL Assembly U419, U423

### OLD WAY with 4 Layers

- 3/8" Metal Stud
- 3 1/2" Insulation
- 2 x 5/8" Gypsum Wallboard
- 2 x 5/8" Gypsum Wallboard

6 1/8" max OC

49 STC

TL07-616

UL Assembly U419, U423

### NEW WAY with GenieClip RST

- **GenieClip RST**
- 3 1/2" Insulation
- 7/8" Furring Channel
- 2 x 4" Wood Stud
- 5/8" Gypsum Wallboard
- 2 x 5/8" Gypsum Wallboard

48" max OC

7 1/8"

61 STC

TL07-672

UL Assembly U305

### OLD WAY with Staggered or Double Studs (Metal or Wood)

- 2 x 4 Wood Stud
- 3 1/2" Insulation
- 2 x 5/8" Gypsum Wallboard
- 2 x 5/8" Gypsum Wallboard

16" max OC

8"

47 STC

TL11-121

UL Assembly U340

- Double Row of 2 x 4 Wood Stud and 3 1/2" Insulation
- 5/8" Gypsum Wallboard
- 5/8" Gypsum Wallboard

16" max OC

9 1/4"

61 STC

TL11-120

UL Assembly U341

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RETROFIT ASSEMBLIES

GENIECLIP® BENEFITS

- Increase IIC by 8-12 dB in floor ceiling retrofit assemblies
- Increase STC by 12-18 dB in wall retrofit assemblies
- Retrofit directly to existing ceiling or wall
- Greater STC than other popular retrofit solutions

**Note:** Resilient channel failure is a common observation by Acoustical Engineers. Short circuited resilient channel results in up to a 10 STC point reduction.


THE GENIECLIP IS PROVEN TO:

- Meet building codes for fire and sound
- Prevent costly litigation and reconstruction

### IMPORTANT OF ENGINEERED ELASTOMER

<table>
<thead>
<tr>
<th>ISOLATION CLIP</th>
<th>DUROMETER</th>
<th>DYNAMIC STIFFNESS</th>
<th>STC*</th>
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<tbody>
<tr>
<td>GenieClip RST</td>
<td>37</td>
<td>11.3 N/mm</td>
<td>57</td>
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<tr>
<td>Isomax</td>
<td>56</td>
<td>21.6 N/mm</td>
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<td>RSIC-1³</td>
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<td>21.2 N/mm</td>
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<td>RSIC-V³</td>
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</tbody>
</table>

* 2x4 wood stud 16” OC, 1 layer of 5/8” Type X GWB on each side with 3 1/2” insulation

** Test conducted with 5 1/2” insulation

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<table>
<thead>
<tr>
<th>Test Report Number</th>
<th>Ceiling Type</th>
<th>Structure</th>
<th>Finish Floor</th>
<th>Underlayment</th>
<th>Subfloor</th>
<th>STC Rating (ASTM E90)</th>
<th>IIC Rating (ASTM E492)</th>
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<tr>
<td>G0535.08</td>
<td>1/2” RC Deluxe, 5/8” GWB Type C</td>
<td>Open Web Truss</td>
<td>Vinyl Plank</td>
<td>GenieMat® RST02PS</td>
<td>3/4” Gypsum, 3/4” OSB</td>
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<tr>
<td>G0535.09</td>
<td>GenieClip® RST, 5/8” GWB Type C</td>
<td>Open Web Truss</td>
<td>Vinyl Plank</td>
<td>GenieMat RST02PS</td>
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<td>G1707.07</td>
<td>GenieClip® RST, 5/8” GWB Type C</td>
<td>Open Web Truss</td>
<td>Porcelain Tile</td>
<td>GenieMat RST02PS</td>
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<td>G1707.08</td>
<td>GenieClip RST, 5/8” GWB Type C</td>
<td>Open Web Truss</td>
<td>Wood</td>
<td>GenieMat FF06</td>
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<td>GenieClip RST, 5/8” GWB Type C</td>
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<td>E5958.17</td>
<td>GenieClip RST, 5/8” GWB Type C</td>
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<td>Engineered Joist</td>
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<td>1 1/2” Gypsum, GenieMat FF25, 3/4” OSB</td>
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<td>F4832.14</td>
<td>GenieClip RST, 2x 1/2” GWB Type C</td>
<td>Engineered Joist</td>
<td>Wood</td>
<td>GenieMat RST02</td>
<td>1/2” Plywood, 3/4” OSB</td>
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<tr>
<td>F4832.18</td>
<td>GenieClip RST, 2x 1/2” GWB Type C</td>
<td>Engineered Joist</td>
<td>Porcelain Tile</td>
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<tr>
<td>F5500.03</td>
<td>GenieClip RST, 2x 1/2” GWB Type C</td>
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<td>Vinyl Plank</td>
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<td>GenieClip RST, 2x 1/2” GWB Type C</td>
<td>Engineered Joist</td>
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<td>S013136</td>
<td>GenieClip RST, 1/2” GWB Type C</td>
<td>2x10 Solid Wood Joist</td>
<td>Ceramic Tile</td>
<td>GenieMat RST02</td>
<td>5/8” Plywood, 1/2” Plywood</td>
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<td>52</td>
</tr>
<tr>
<td>7013208</td>
<td>GenieClip RST, 1/2” GWB Type C</td>
<td>2x10 Solid Wood Joist</td>
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<td>GenieMat RST02</td>
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<td>GenieClip RST, 1/2” GWB Type C</td>
<td>2x10 Solid Wood Joist</td>
<td>Ceramic Tile</td>
<td>GenieMat RST02</td>
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<tr>
<td>7013216</td>
<td>GenieClip RST Retrofit</td>
<td>2x10 Solid Wood Joist</td>
<td>None</td>
<td>GenieMat RST02</td>
<td>3/4” Gypsum, GenieMat FF06, 5/8” Plywood</td>
<td>59</td>
<td>52</td>
</tr>
</tbody>
</table>

* RC Deluxe is a brand of resilient bar
## TEST RESULTS

### FLOOR-CEILING ASSEMBLIES

<table>
<thead>
<tr>
<th>Test Report Number</th>
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<th>IIC RATING (ASTM E492)</th>
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</thead>
<tbody>
<tr>
<td>E5958.05</td>
<td>6” Drop Ceiling, GenieClip® LB, 5/8” GWB Type X</td>
<td>7” CLT</td>
<td>None</td>
<td>None</td>
<td>2x 11/16” AdvanTech Wood Subfloor, GenieMat® FF25</td>
<td>61</td>
<td>55</td>
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<tr>
<td>E5958.07</td>
<td>12” Drop Ceiling, GenieClip® LB, 5/8” GWB Type X</td>
<td>7” CLT</td>
<td>Vinyl Plank</td>
<td>GenieMat® RST05</td>
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<td>58</td>
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<tr>
<td>F2761.08</td>
<td>GenieClip RST, 5/8” GWB Type C</td>
<td>7” CLT</td>
<td>Wood</td>
<td>GenieMat® RST02</td>
<td>None</td>
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<td>50</td>
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<tr>
<td>F2761.09</td>
<td>GenieClip RST, 5/8” GWB Type C</td>
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<td>GenieMat® RST12</td>
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<td>F3052.11</td>
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<td>11/4” Gypsum, 9/16” Steel Deck</td>
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<td>F2761.04</td>
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<td>10” Steel Joist</td>
<td>3/8” Sound Mat</td>
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<td>3/4” Concrete Panel</td>
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<td>10” Steel Joist</td>
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<td>10” Steel Joist</td>
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<td>F0223.05</td>
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<td>F9365.07</td>
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## TEST RESULTS

<table>
<thead>
<tr>
<th>Test Report Number</th>
<th>Product</th>
<th>Steel Stud Wall Structure</th>
<th>GWB Layers <em>(5/8&quot; Type X)</em></th>
<th>TL @80 Hz (dB)</th>
<th>TL @100 Hz (dB)</th>
<th>STC (ASTM E413)</th>
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<tbody>
<tr>
<td>TL07-614</td>
<td>None</td>
<td>20 Ga., 3 5/8&quot; wide spaced 24&quot; O.C.</td>
<td>1x1</td>
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<td>20 Ga., 3 5/8&quot; wide spaced 24&quot; O.C.</td>
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<td>TL07-625</td>
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<td>TL07-629</td>
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<td>20 Ga., 3 5/8&quot; wide spaced 24&quot; O.C.</td>
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<td>TL07-626</td>
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<td>TL07-617</td>
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<td>TL07-616</td>
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<td>20 Ga., 3 5/8&quot; wide spaced 24&quot; O.C.</td>
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<td>20 Ga., 3 5/8&quot; wide spaced 24&quot; O.C.</td>
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<td>20 Ga., 3 5/8&quot; wide spaced 24&quot; O.C.</td>
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<td>20 Ga., 3 5/8&quot; wide spaced 24&quot; O.C.</td>
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<td>TL09-602</td>
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<td>2x2</td>
<td>35</td>
<td>42</td>
<td>66</td>
</tr>
</tbody>
</table>

* RC Deluxe is a brand of resilient bar  
** RSIC-V and RSIC-1 are both brands of isolation clips
### TEST RESULTS

<table>
<thead>
<tr>
<th>Test Report Number</th>
<th>Product</th>
<th>Wood Stud Wall Structure</th>
<th>GWB Layers ((\frac{5}{8}'') Type X)</th>
<th>TL @80 Hz (dB)</th>
<th>TL @100 Hz (dB)</th>
<th>STC (ASTM E413)</th>
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</tr>
</tbody>
</table>

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### CONTACT US

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