



# Acoustical Surfaces, Inc.

**SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS**

123 Columbia Court North • Suite 201 • Chaska, MN 55318  
 (952) 448-5300 • Fax (952) 448-2613 • (800) 448-0121

Email: [sales@acousticalsurfaces.com](mailto:sales@acousticalsurfaces.com)  
 Visit our Website: [www.acousticalsurfaces.com](http://www.acousticalsurfaces.com)

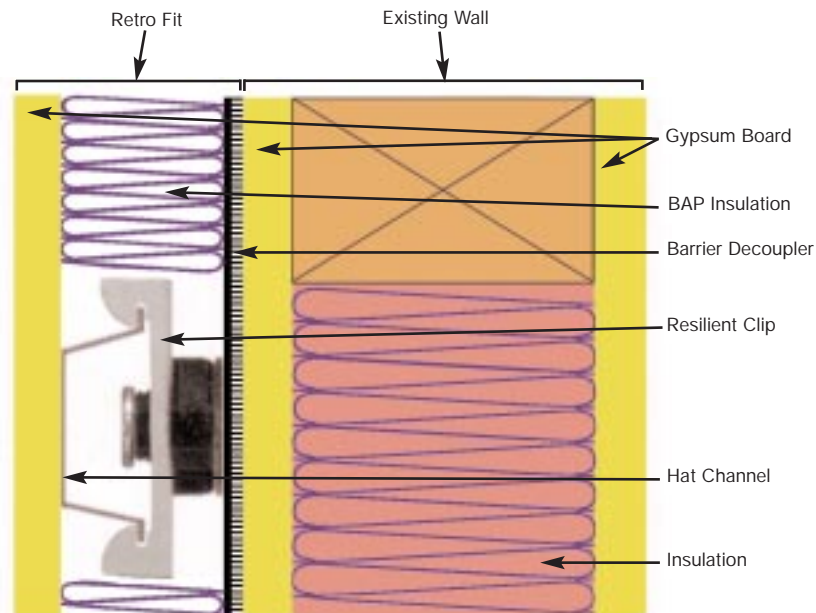
**We Identify and S.T.O.P. Your Noise Problems**

## RETROFITTING WALLS AND FLOOR/CEILING ASSEMBLIES USING THE NEW RSIC-1-R SOUND ISOLATION CLIPS

Adding on to an existing wall or floor/ceiling assembly to improve the sound transmission has been a difficult undertaking since very few potential solutions have been validated by actual tests. Recent field tests using the RSIC-1-R sound isolation clips indicate that a significant improvement can be accomplished simply by adding on to the existing wall. An 8 -10 dB sound transmission reduction using the materials shown in Fig 1, equates to a perceived noise reduction by the human ear as a 45% -50% reduction.

Before undertaking any retrofit solutions, be sure to check to see if the wall was caulked behind the base. Many times the drywall contractor will jack the gypsum board up achieve a tight fit to the ceiling juncture and in doing so will leave a void at the base which often times will be out of sight and out of mind behind the base board. Lack of adequate caulking at the base can compromise a wall's performance significantly.

### RSIC-1-R Retro Fit



*Continued on next page.*

