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June 29, 2009

To whom it may concern:

Destructive product testing for both Tension (pull) and Lateral Resistance (shear) has been conducted by an independent certified testing laboratory named Testing Engineers, Inc. based in San Leandro California on the Resilient Sound Isolation Clip (RSIC-1) product with Drywall Furring Channels (25 gauge with industry standard SSMA hemmed edge details). The Drywall Furring Channels was in conformance with the Steel Stud Manufacturers Association (SSMA) Minimum standards.

PAC publishes and states the “Acoustical Design Load and Allowable Load” per RSIC-1 is thirty six (36) pounds per square foot. The published Allowable Load of thirty six (36) pounds includes a safety margin greater than four and half times (4.5) or four hundred fifty percent (450%).

The 36 pound per clip “Acoustical Design Load and Allowable Load” is the engineered target based upon the weight of common 5/8” Type X gypsum board which is at or less than 2,200 pounds per thousand square feet (mill net weight). Considering the maximum span index for 5/8” type X gypsum board is 24 inch and the SSMA Allowable Load for Drywall Furring Channels (25 gauge) in multi span while carrying a uniform load of six (6) pounds per square foot is 4’-2” (L/240).

The RSIC-1 is engineered to carry the published and stated Acoustical Design Load and Allowable Load of thirty six (36) pounds per RSIC-1, which is based upon the weight of two (2) layers of 5/8” gypsum board with the RSIC-1 clips spaced at 24” x 48” on centers.

It is important to confirm the fasteners used to support the RSIC-1 has an allowable load greater than thirty six (36) pounds in pull and shear.

Should you have any further questions regarding the Acoustical Design Load and Allowable Load please feel free to contact our technical support team at 866-670-7329.

Sincerely,

*Elzo F. Gernhart*

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Vice President

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