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BamCore's Studless Prime Wall System Offers Extremely Quiet Living Environments.

Windsor, CA. November 29, 2016 - BamCore's bamboo-based studless Prime Wall System provides a significantly quieter building environment than is possible with conventional wood or stud framing techniques. By combination of material and design, the load-bearing BamCore Prime Wall System substantially attenuates sound as measured by Sound Transmission Class (STC) testing.

Sound pollution from outside buildings or from across common walls inside multifamily or commercial buildings has become a major concern to owners and occupants. Typical approaches to attenuate the sound transmission across walls require expensive and complicated installation and framing techniques. A recent independent test conducted by ISO/IEC Accredited Western Electro-Acoustic Laboratory in Santa Clarita, CA, demonstrated that BamCore's basic 2"x6" equivalent Prime Wall System with only medium dense cellulose insulation (2.9 lbs/cubic foot) but no special acoustic treatments achieved a remarkably high STC rating of 52. For comparison, normal stud walls begin with STC ratings in the 30's, a difficult-to-build 2"x6" staggered wood stud wall only achieves an STC rating of 50 and an expensive 2"x4" wood stud wall with three layers of Type X gypsum using resilient furring channels and gypsum filler strips only achieves an STC rating of 51.

The STC rating is the most common sound attenuation rating used in the design and construction industry to represent everyday interior sound sources. BamCore's Prime Wall System also received an Exterior Wall Rating (EWR) of 53. EWR is a more recently developed sound attenuation rating that more accurately reflects exterior sourced sounds. California's Green Building Standards Code (CALGreen) requires a minimum STC of 40 across common walls separating tenant spaces in multifamily buildings. In locations with known exterior noise sources, exterior wall requirements rise to an STC of 45. Zack Zimmerman, Director of Business Development at BamCore, stated, "We've heard repeatedly from multifamily builders that the 40 STC

isn't enough to eliminate complaints from renters, so we're delighted that our basic Prime Wall System attenuates sound so well with no extra bells and whistles to complicate the install or raise the cost."

BamCore Founder William McDonald added, "Our wall system achieved these excellent ratings in its most basic state and with only a medium density insulation fill. In non-test conditions, we should perform even better with dense-pack instead of medium-pack insulation and with any standard exterior finish siding applied."

BamCore is a next-generation building products manufacturer that produces formaldehyde free bamboo-based building materials with the goal of making building stronger, faster, greener and less expensive. BamCore uses nature's strongest and most sustainable fiber—bamboo—in a highly innovative wall system that is simple and fast to install. For builders, the Prime Wall System provides the advantage of being faster and less labor intensive to install than stud based walls. For owners, the Prime Wall System provides a better thermal and acoustic environment and a higher vapor permeance rate for a drier wall once in service.

For more information, contact: Desiree Eddelman at [Desiree@BamCore.com](mailto:Desiree@BamCore.com).

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