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Mr. Steve Kuklin
Senior Project Manager
A.F. Evans Development, Inc.
1000 Broadway, Suite 300
Oakland, CA 94607

Subject: **Market Square Condominiums – Phase 1
Results of Acoustical Testing on 21 April 2006**

Dear Mr. Kuklin:

This report presents the results of sound isolation tests carried out at the Market Square condominiums on Friday, 21 April 2006. Two standardized tests were used - one characterizes the degree to which the party walls and floor/ceiling assemblies isolate airborne sounds (e.g., voices and the sounds from television sets or home entertainment systems) and the other characterizes the degree to which the floor/ceiling assemblies isolate impact sounds (e.g., heel taps on the floor and the scraping of chairs).

Description of Structure and Rooms Tested

The floor/ceiling assembly between living areas and bedrooms in vertically adjoining units comprises carpet or hardwood on 1½" thick lightweight concrete, on a 5/8" thick plywood sub-floor supported on 2" x 10" wood joists, with a layer of 5/8" thick Type 'X' gypsum board supported from the joists via resilient channels, and R-11 cavity insulation. **The hardwood floors were laid on Redupax Engineered Hardwood Underlayment.** The floor/ceiling assembly between bathrooms comprises ceramic tile on 1¼" minimum thickness lightweight concrete, on a layer of Enkasonic Sound Control Matting, on a 5/8" thick plywood sub-floor supported on 2" x 10" wood joists, with a layer of 5/8" thick Type 'X' gypsum board supported from the joists via resilient channels, and R-11 cavity insulation. The perimeters of the resiliently supported ceilings have been caulked with acoustical sealant.

The party walls comprise a double row of 2" x 4" studs at a minimum 1" spacing, with one layer of 5/8" thick Type 'X' gypsum board on each face of the wall and one layer of R-11 cavity insulation. The perimeters of the party walls have also been caulked with acoustical sealant.

The tests were carried out on Levels 5 and 6 of the building, where many of the units have now been completed. Tests were carried out in Units 623, 627, 523, and 525, which all have carpet in

