



NATIONAL FIBER
CELLULOSE INSULATION

Date: 07/26/11

Dear Thom Woglam,

Jim Millhouse and I performed a blower door test the large steel frame barn located at the Sunny Acres project on June 22, 2011. We were both impressed to be able to test such a large volume building using only a single blower. The results for the blower door test came in at 2,400 cubic feet per minute @ 50 pascals, or 1.1 air changes per hour @ 50 pascals (ach@50 Pa). To put this in perspective, commercial buildings typically test out in the 11.7 ach@50 pa range. This is by far the tightest commercial building that we have had the opportunity to test with less than a tenth of the air leakage commonly associated with this type of construction. During this test, an infrared and physical inspection of the perimeter of the building was also conducted and revealed no discernable air leakage through the foundation, walls or roof assemblies. Some air leakage was noted along the seals of the large sliding doors located at each end of the ground floor. This type of air leakage is typical for this style of door and we have yet to find a lasting solution that did not interfere with the doors operation.

Congratulations to you and your crew on this remarkable achievement in energy efficiency and for raising the bar in commercial energy efficiency. National Fiber has been honored to have been part of this groundbreaking project.

Sincerely,

Technical Manager

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