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EXCEL LEADS THE WAY IN ENERGY MODELING

Brooklyn, NY April 23, 2009 – In keeping with Excel’s commitment to remain on the forefront of green building practices, Project Manager and Estimator Martin Mills has just completed training in the use of eQUEST energy modeling software. The program was developed by the US Department of Energy to perform a detailed comparative analysis of building designs and technologies by applying sophisticated building energy use simulation techniques.

“Energy modeling is required if you are going for Leadership in Energy and Environmental Design (LEED) certification, an Energy Star rating or New York State Energy Research and Development Authority (NYSERDA) certification”, according to Mills who is also a LEED Accredited Professional.

After uploading CAD building drawings to create a 3D model, data is input on the HVAC system, the building envelope, energy systems, plumbing systems; everything that will affect energy efficiency. eQuest then breaks down the energy use and determines the percentage improvement compared to the baseline building performance rating per ASHRAE¹/IESNA² Standard 90.1-2004.

Between 2 and 10 LEED points can be earned for new buildings with energy cost savings between 14% and 42% compared to the baseline and existing building renovations with energy cost savings between 7% and 35% as determined by the Building Performance Rating Method in Appendix G of the Standard. In order to qualify for LEED certification, buildings must earn at least 2 points in this area.

“Most importantly, our clients can understand exactly how and how much they will save on energy costs by using energy modeling”, Mills added. “We can help them allocate funds for equipment upgrades that will save them money in the long run and estimate what their annual costs are going to be. It’s one thing to know that energy efficiency will save you money but when you can break it down into actual costs and savings, it makes a big difference. We are offering something that you would usually have to go to an engineer to get. I don’t know of any other contractors doing this.”

1 - American Society of Heating, Refrigerating, and Air-Conditioning Engineers

2 – Illuminating Engineering Society of North America

About Excel Builders

Excel Builders & Renovators Inc. is a Brooklyn based custom builder and boutique developer bringing modern and traditional elegance and the highest quality materials and construction methods to urban living. Since 1997 Excel has been creating total living environments that both aesthetically and ergonomically anticipate the homeowner's needs. An obsessive attention to detail in both what you can and cannot see makes Excel's work a thing of lasting beauty. For more information, visit www.excelbuilds.com or contact Matthew Goldfine at (646) 294-6475.

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