



Marmol Radziner Prefab Honored With Revit BIM Experience Award for Innovative, Sustainable Designs

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Revit Architecture Integrates Design and Manufacturing Processes for Prefabricated Green Homes

SAN ANTONIO, AIA 2007 National Convention and Design Exposition, May 4 /PRNewswire-FirstCall/ -- Autodesk, Inc. (Nasdaq: ADSK) today awarded a Revit BIM Experience Award to Marmol Radziner Prefab for its use of Revit Architecture software as the core of an innovative business model and integrated project delivery method. Los Angeles-based Marmol Radziner Prefab uses the Revit Architecture platform to design and produce modular, steel-frame homes that combine factory efficiency and green materials with high-end custom residential design. The Revit BIM Experience Award honors firms for their innovation and excellence in implementing solutions in the Revit platform for building information modeling (BIM) to create quality, complex designs and collaborate across building design disciplines.

(Logo: <http://www.newscom.com/cgi-bin/prnh/20050415/SFF034LOGO>)

Since the design-build architecture firm Marmol Radziner + Associates launched its new prefab company in 2005, Marmol Radziner Prefab has worked with LA CAD to implement and utilize Revit Architecture to integrate the design and prefabrication process. This solution provides greater control over quality, schedule and project details so that the company can offer its unique blend of prefabrication and customization. While designers are drawing and categorizing as many as 12 to 24 modules that comprise a house, certain manufacturing activities and tasks related to the entire house unit can be scheduled and executed simultaneously to speed time to market with minimal errors. The firm also takes advantage of Revit Architecture's visualization capabilities to communicate design intent to clients, and Revit integration with Autodesk 3ds Max software to create final renderings. The company has received awards from the American Institute of Architects, ID Magazine and the Industrial Designers Society of America.

"We place great emphasis on integrating the design and fabrication of our green prefab homes," said Leo Marmol, FAIA, managing principal, Marmol Radziner Prefab. "With Revit Architecture, we can streamline the design and prefabrication process by developing repeatable design libraries, creating shop drawings from the core model, and producing the steel frame structures that are the hallmark of our work."

For the first two-story home designed by Marmol Radziner Prefab, Revit enabled a seamless process from concept through design development and construction documents into fabrication. The 8,500 square foot home located outside Las Vegas was originally designed as a site-built house, but later switched to a prefabricated design comprised of 36 prefabricated modules. The designers used Revit to quickly transform the original design and model the home based on Marmol Radziner Prefab's standard library of module frames, components and details. Using these standardized elements allowed greater efficiency in the documentation of the design and ultimately in the factory production of the home. Marmol Radziner Prefab's in-house structural steel fabricators used only the Revit model to generate shop drawings, create accurate and coordinated cut lists, and procure stock without guessing, waste or time-consuming hand takeoffs. The modular construction process minimizes waste by maximizing the amount of work done in the factory, which facilitates reuse and recycling of excess material. The factory production also provides a centralized location for the construction trades, which allows them to coordinate their work and reduce vehicular emissions generated from travel to the construction site.

"Autodesk applauds Marmol Radziner Prefab for their use of Revit Architecture to create a ground-breaking design and production process that benefits both the environment and their clients," said Jay Bhatt, senior vice president, Autodesk AEC Solutions. "We hope their innovative use of Revit will inspire other firms to use BIM to design and build more sustainable buildings."

About the Revit BIM Experience Award

The Revit BIM Experience Award celebrates building industry professionals and educators around the world who are helping to drive transformation of the building industry through building information modeling. Autodesk honors firms with this award for innovation and excellence in implementing the Autodesk Revit platform for building information modeling including Revit Architecture, Revit Structure and Revit MEP on one or more projects. For more information on the Revit BIM Experience award visit <http://www.autodesk.com/revitbimaward>.

About Autodesk

Autodesk, Inc. is the world leader in 2D and 3D design software for the manufacturing, building and construction, and media and entertainment markets. Since its introduction of AutoCAD software in 1982, Autodesk has developed the broadest portfolio of state-of-the-art digital prototyping solutions to help customers experience their ideas before they are real. Fortune 1000 companies rely on Autodesk for the tools to visualize, simulate and analyze real-world performance early in the design process to save time and money, enhance quality and foster innovation. For additional information about Autodesk, visit www.autodesk.com.

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