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Dallas home going for LEED Platinum

Tags: Building Green, Certification / LEED, Energy Star, Heating & Cooling, Landscaping
8/16/11 - Teena Hammond

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Dallas green home

A recently constructed contemporary-style Dallas home is going for LEED Platinum certification.

The 3,500-square-foot home was designed by Gary Gene Olp, founder and principal of GGO Architects in Dallas. It features three bedrooms and 3.5 bathrooms and the new home cuts utility bills in half, with the July bill only \$178, which is affordable in the midst of Dallas' summer heat.

There is outdoor living space, with a breezeway connecting to a private garden, with a linear pool. The home is energy efficient through passive solar design, coupled with a highly efficient Daiken HVAC system, smart controls and LED lighting. A small rainwater harvesting system to augment the xeriscape landscape design is tucked away in the garden. Exterior detailing features dimensional Lueder's limestone, metal cladding and a standing seam roof for exceptional durability.

Floors inside the home are FSC certified rift and quarter-sawn white oak. Many of the materials were harvested and manufactured within 500 miles of the site, or include recycled content. All of the interior paints and adhesives are low VOC. The white TPO and standing seam metal roof materials help keep the interior of the house cool, along with roof overhangs that were designed to optimize shading in summer and passive solar heating in winter. The low-e, Energy Star windows and spray foam insulation also contribute to energy use reduction. A majority of the home's light fixtures are Energy Star, and the toilets and bathroom faucets are low-flow.

A [slideshow of images of this Dallas home](#) includes exterior and interior images of the structure.

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