



Omey Residence, An Extensive Home Remodel

Corey Omey, Architect & Home Owner

Corey and Deb Omey's home remodel began as an effort to rework an existing staircase and 2nd floor bedrooms and developed into a major renovation that uses an array of sustainable design ideas and building practices. The original home was a 1925, wood framed structure that had been remodeled several times. It was clad in thick stucco over the original beveled cedar siding.

This remodel included completely rebuilding the second floor; adding a stair tower and second floor and basement bathrooms; re-insulating the entire home; installing rain-screen siding and metal roof systems; replacement of all window and doors; and new finishes, fixtures, cabinetry, and casework throughout.

"Green building is essential to our shift to a sustainable future. Here we wanted to preserve our home's small footprint while adding larger, more efficient and more comfortable living spaces. We are proud that most of the materials are recycled. Finding them all locally was a lot of fun." Corey Omey, Architect & Home Owner



Use of Recycled, Reclaimed, & Reused Materials:

An estimated 80%-90% of the materials used for the remodel were recycled, reclaimed, or reused.

- * Mortgage signs were reused for wall sheathing
- * Framing lumber was salvaged from the deconstruction process of the original structure and purchased from other salvage sources
- * Railings are made of reworked scrap metal
- * Countertops are made from reclaimed bowling alleys

South Facing Roof (Solar Photovoltaics and Thermal):

The design utilized the site's southern exposure and ample sunlight to collect and generate energy with both photovoltaic panels and solar thermal technologies. Large overhangs are designed for summer shade and winter daylight and heat.

Eco Roof:

Eco Roofs are installed on the south facing porch roof and on the north roof of the house. Some of the many benefits are: reduced stormwater runoff, reduce heat island effect, and the creation of a habitat and clean air.

Rainscreen Siding:

The clear finished, cedar siding was milled from down-fall reject stock. It is held away from the structure with painted cedar battens, allowing moisture to effectively drain. The rainscreen system is also vented to provide air flow and drying capacity within the cavity.