

Ross Street House

Carol Richard & Fred Berg

LOCATION:
Madison, WI

CLIENT:
Carol Richard and Fred Berg

PROJECT DATA:
3-level residence

2,500 sf total

SERVICES:
Programming
Interior Design
Architectural Design
Construction Administration

COST:
\$500,000

DATE OF COMPLETION:
2009

CONTACT INFORMATION:
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AWARDS:
2010
Madison Trust for Historic Preservation:
Future Landmarks Award

LEED PLATINUM:
Urea & Formaldehyde-Free Cabinetry
Open-Web Floor Joist System
Low-VOC interior finishes
Daylight and views for a majority of spaces
Photovoltaic Array
Butterfly Garden
Rainwater Collection and Retention System
Vegetable Garden
Limited Hardscape with Permeable Paving
Drought-Resistant Native Plants (no turf)
Infill Lot Close to Public Transportation
South-Facing Orientation
Brise-Soleil Sun Shading System
Dimmable LED and CFL Lighting
Energy Star Appliances Throughout
Dual-Flush Toilets
Tankless Water Heater with Manifold
Distribution
Central Vacuum System
Locally-Sourced Hardwood Floors



The goal of the owners was to design and build a modern, affordable, and sustainable single-family home that would last the couple through their retirement years.

The concept of the design is that of a carefully controlled light box. A large bank of windows faces due south. Daylight is controlled through a fixed exterior brise soleil designed to be in sync with the latitude. At the summer solstice, no direct sunlight penetrates the space. At noon on the winter solstice, sunlight penetrates deep into the home's open floor plan. There is limited sun exposure to the west and east; however, three round windows facing west are located in the open stair. These "portholes" activate the space with moving circles of light against a two-story wall throughout the day. Carefully placed ribbon windows to the east provide morning light into the dining area and main bedroom.

The resulting home is scaled to be in harmony with the neighborhood. Adjacent homes along with the designed home were computer modeled early in the design to ensure contextual compatibility. Exterior materials were carefully chosen to be sustainable and durable, but also to blend with the neighboring houses.

**RICHARD
WITTSCHIEBE
HAND**



