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# Passive Houses

energy efficient homes



BRAUN



# Geometric Wisconsin House



**Two Rivers, WI, USA**  
**Architect:** Shane Black Design  
**Completion:** 2008  
**Client:** Confidential  
**Sustainable techniques:** Solar panels  
**Photos:** Deen Wanek, Waterford

The Geometric Wisconsin House, designed and built by Shane Black, is on a rural, wooded lot. It is wood frame construction with Exterior and Insulation Finishing System stucco exterior and parapet roof. There are seven hydronic solar panels mounted 23 meters away from the house that heat a sand bed beneath the first floor and preheat water. The living space is well-insulated and has a continuous vapor barrier to prevent air filtration. The foyer/kitchen area includes color-changing tiles, a stainless steel staircase with illuminated glass steps, illuminated bar top and a bridge crossing the space beneath the almost seven-meter-high ceiling. The master suite has built-in cabinets, black resin floor, walk in shower and toilet hidden behind emerald acrylic panels, as well as handmade illuminated resin sinks, designed by Shane Black.



*Left: Detail of the illuminated stairs.  
Right: Ground floor and first floor plan.*



Top: View of northwest.

Bottom: Interior view with kitchen and bar.

Right: View of loft across bridge, stainless steel railing and cable.

