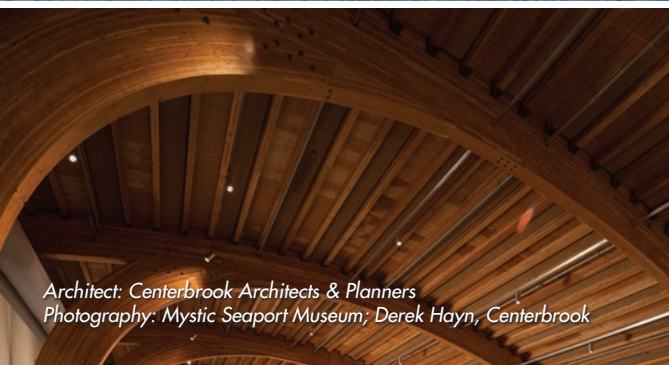




KOHLER RONAN, LLC
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Architect: Centerbrook Architects & Planners
Photography: Mystic Seaport Museum; Derek Hayn, Centerbrook

Thompson Exhibition Building at Mystic Seaport

Mystic, CT

Inspired by the sea, the glass-and-wood design of the Thompson Exhibition Building welcomes visitors and offers versatile gallery space featuring high ceilings and movable walls.

A geothermal system consisting of twenty 465-foot-deep geothermal wells spaced 25 feet apart, coupled with water-to-water heat pump systems, serves the building. Modular water-to-water heat pumps located in the upper mechanical mezzanine were piped and configured to produce hot and chilled water simultaneously, while environmental conditions were designed to maintain 70 °F +/- 2 °F and 50% RH +/- 3% throughout the entire museum.

Energy efficiency is achieved through LED lighting, a geothermal heating & cooling plant, an enhanced envelope, and low-flow plumbing fixtures. These features are estimated to provide energy savings of 35%. No fossil fuels are utilized onsite to serve heating and cooling. Finally, the building incorporates custom sprinklers and fabric ducts to coordinate with the building's unique slope and structure.

To learn more about this and other engineering projects, please visit kohleronan.com.



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