

# MHD

MAINE HOME + DESIGN

NOVEMBER // DECEMBER 2023



## THE ARCHITECTURE ISSUE

**DRINK+SKETCH**

MAINE ARCHITECTS AND DESIGNERS PROVE THE HAND CAN'T BE REPLACED

# BUILT OF LAST



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architecture projects  
pushing design in Maine



## River Bend Residence

Located on the bend of a river in southern Maine, this modern new home was designed with efficiency, performance, and aesthetics in mind. The home sits over an existing full foundation with additions to the south, east, and west. Solar orientation, views of the river, relationship, and accessibility to exterior spaces were all important design considerations.

The home has three bedrooms, two and a half bathrooms, a den, and an office with open-concept kitchen, dining, and living areas. The first floor was designed for entertaining and easy circulation. A feature stair at the center of the home connects the second-floor bedrooms and third-floor treehouse/flex space that looks toward the river. The multifunctional third-floor space has windows that mimic those on the fortified towers found on islands off the coast of southern Maine. It is filled with natural daylight and provides a quiet space for working, reading, yoga, or simply relaxing.

Solar panels were installed during construction to provide the energy needed to build the home, allowing net-zero energy consumption during construction. After completion, the solar panels now provide enough electricity to offset the energy demands for the home and all its systems. Dense-packed cellulose insulates the wood-framed walls and roofs, further minimizing the home's carbon footprint. Triple-glazed windows were installed along with high-performance mechanical systems that provide heating, cooling, and ventilation to maximize efficiency and comfort.

**Architect:** Briburn

**Builder:** Sylvain + Sevigny

**Structural Engineer:** Albert Putnam Associates

**Mechanical Engineer:** Ripcord Engineering

**Photographer:** François Gagné

**Location:** Yarmouth

**Completed:** 2022