05 Millington Residence 328 Pelham Road, Amherst, MA 01002 Architect: Sigrid Miller Pollin FAIA, Miller Pollin Architecture, 1290 South East St Amherst MA 01002; Local Builder: Matt Murphy, Murphy Construction; Prefabrication Builder: Bensonwood Homes, Walpole, New Hampshire

Design

The single story home makes use of efficient pre fabricated building technology. Bensonwood’s pre-cut heavy timber framing, factory built wall panel and roof system allow for minimal construction waste and reduced construction schedule. The single story house has three bedrooms, two baths, an open kitchen, and a large dining living room area. A loft area serves as a home office. An east facing veranda captures morning sun. The exposed heavy timber framing gives the interior spaces and the veranda a rustic yet contemporary feel. The two car garage has a loft for additional storage. The elevated slab on grade was constructed to address the high water table in the area.

Technology

Energy recovery ventilating system(ERV) ★ concrete floors with radiant heating ★ super efficient boiler/propane gas ★ Rinnai instantaneous hot water heater for domestic hot water ★ dense pack cellulose insulation in roof and wall panels (Roof R41.5, walls R 20)

Materials

heavy timber exposed framing ★ dual glazed low e all fiberglass frame windows (low maintenance) ★ concrete locally produced kitchen countertops ★ Energy Star appliances ★ energy efficient lighting ★ Hardie Plank cement board siding and trim(durability and low maintenance) ★ asphalt shingle roof (affordable) ★ TREK decking on veranda (low maintenance)

This home is in the final stages of construction. A large stone patio with a low sitting wall, fruit trees, and an herb garden will surround the house. Plantings of native perennials and wild flowers are planned in the future.