

McCall House Fact Sheet

- Elevated house supported by concrete pilings, tied together by grade beams and topped with an integrated slab on grade.
- A grid-like series of trenches was dug between pilings, fitted with rebar and filled with concrete to form the grade beams.
- On top of the grade beam, a 4-inch slab was formed, connected to the grade beam by rebar.
- Additional rebar protrudes above the slab, serving as connectors for the support piers.
- Piers are made of 12-inch by 16-inch concrete blocks, reinforced by rebar inside and filled with concrete.
- Piers are connected to the house support beams with 1-inch diameter bolts.
- Sturdy, wind- and flood-resistant foundation which is well-connected to the floor support beams. Steel rods connect foundation to top of walls.
- Additional structural strength is provided by the exterior wall construction — ½-inch wood sheathing nailed to the wall studs in a wind-resistant pattern to resist racking (leaning), pushing and pulling forces.
- Hip roof design is less vulnerable to wind forces than gable roof.
- Two water heaters operating in zones, providing energy savings.
- Windows are UV-resistant glass.
- Attractive, functional features include:
 - Ceramic tile floors.
 - Natural gas used for cooking, water heating and doing laundry.
 - Open floor plan.