



House consists of 4 joined shed roofed modules. The red squares represent the foundation piers. The red line is a beam line under the floor joists and supporting the roof rafters. The floor joists span 15' and should be 2x10 @ 16" o/c. The roof rafters span the same direction (top to bottom) and the same distance. Use 2x10 as well or 2x12 for heavy snow and better insulation. Beams supporting floors and roof have not been calculated.

This diagram is not meant to be used for construction but is one possible structural analysis of a floorplan freely available on the Internet.