



## Residential Roofed or Multi-Story Structure on Posts over 120 SF

Roofed or multi-story residential structures over 120 square feet in area or deviate from the [Residential Guidelines for Additions on Posts 120 SF or Less Table](#), must be constructed on a continuous foundation system meeting the requirements for foundation construction in the Minnesota State Building Code, unless the addition is designed and plans certified by a Minnesota licensed structural engineer.

Roofed or multi-story residential structures on posts which are greater than 120 square feet in area must include, in addition to other submittal requirements, detailed roof and floor framing plans, a complete footing diagram, and elevation drawings for every side of the proposed structure.

Design calculations for footings and beams supporting floor and roof loads using design criteria for the city of Duluth must be submitted with the application. If footing designs assume greater than 2000 lbs/sq. ft. soil bearing capacity, a soils analysis must be part of the engineered plans.