

(B) Depth of Footings for Accessory Buildings. The Building Official or designee may approve slab-on-grade foundation designs for wood or metal frames, detached accessory structures for Residential Use, in Residential Zoned Districts only, constructed under the provisions of the International Residential Code (IRC) and 1250 square feet in floor area or less without additional engineering, providing the design meets all of the following conditions OR shall comply with IRC Section R403.1.4.1 Frost Protection OR constructed in accordance with ASCE 32 Design and Construction of Frost-Protected Shallow Foundations:

- (1) The entire perimeter of the foundation shall be provided with a thickened portion of slab with cross section dimensions of 12 inches minimum width and 12 inches minimum thickness measured from top of concrete. The perimeter shall be reinforced with two number four (1/2" inch) rods.
- (2) Slab, floor, and thickened edge shall be one continuous pour with a minimum strength of 4000 psi. with no cold joints.
- (3) The slab floor shall be a minimum of 4 inches thick reinforced concrete. Reinforcement shall be 6" x 6" wire mesh, grid of reinforcing bars throughout the floor running front-to-back and side-to-side or fiber integrated reinforcement mixed into the concrete from the concrete plant.
- (4) No fill over 18 inches in depth shall be allowed.
- (5) All fill material must be thoroughly compacted in maximum of 4-inch lifts.
- (6) No water or sewer lines serve the structure.
- (7) No more than One Story shall be permitted.
- (8) Accessory Structure shall not be attached to any other structure.
- (9) Accessory Structure shall comply with all setbacks, height, and lot coverage percentage as required in the applicable Residential Zoning District.
- (10) For additions to existing accessory buildings, construction techniques shall be compatible with the existing structure.