

Foundation Requirements Wood Frame Dwellings & Accessory Structures

1. Reinforcement Requirements

- A. Footing-2 1/2" bars, evenly spaced, joints lapped 12"
- B. Stemwall-2 1/2" bars, evenly spaced, supported by 1/2" upright bars, 5' on center, joints lapped 12"
- C. Basement-4 rows 1/2" bar, evenly spaced, supported by 1/2" upright bars, 5' on center, joints lapped 12"

2. Minimum 10" wall with 4" brick ledge for veneer exterior.

3. Foundation bolts, 1/2" embedded 7" in concrete on 6' center 2 bolts per piece, 1 bolt within 12" of ends.
 Properly sized nut and washer required.

4. Sill plate must be treated wood or foundations grade redwood.

5. Foundation ventilation must have 1 square feet for each 150 square feet or underfloor area. Openings divided equally and on opposite ends. Openings shall be covered with 1/4" corrosion resistant wire mesh.

6. Minimum 18" crawl space area required under wood floors.

All foundations to extend into natural undisturbed ground below frost line: Arkansas City, KS Frost Line = 24"

Number of floors supported of the foundation	Thickness of Foundation Wall (Inches)		Width of Footing (Inches)	Thickness of Footing (Inches)	Depth below undisturbed ground surface (Inches)
	Concrete	Masonry			
1	6	6	12	6	12
2	8	8	15	7	18
3	10	10	18	8	24

