

NH FENCE CONSTRUCTION SPECIFICATIONS

V. BOARD FENCE

1. Scope

The work shall consist of furnishing and installing wooden board fences and related essential components. Refer to New Hampshire NRCS Field Office Technical Guide, Section IV, Standard 382, for supplemental information.

Wooden board fence shall have a min. of 3 boards.

2. Wood

All wood posts shall be red or white cedar, black locust, or pressure treated. Red pine shall not be used if posts are mechanically driven into the ground. Pressure treated posts shall be treated with a min. of 0.40 lbs/cubic foot of chromated copper arsenate (CCA) Type A, B, or C; or ammoniated copper quaternary (ACQ) preservative by a method to ensure that complete penetration of the sap wood is obtained. Quality of treated wood shall provide sufficient strength and last the expected life of the fence (20 years). ACQ treated wood shall not come in direct contact with Class III galvanized steel wire. All bark shall be removed from cedar and black locust posts. At least half of the diameter of the cedar shall be heartwood.

Min. wood post diameter is measured on the smallest end of the post. For example, if the min. allowable diameter for a post is 4 inches, this means that the post will be at least 4 inches on the smallest end, and approximately 5 inches on the larger end. This post will commonly be labeled 4-5" or 4/5". Square and round posts are acceptable for use with board fence.

3. Posts

Posts shall be spaced a maximum of 8 feet on center to accommodate rail lengths of a maximum of 16 feet.

Line Posts. Line post will have a min. top diameter of 6 inches and be of sufficient length to support the height of the fence and be firmly set or driven in the ground a min. of 36 inches.

Gate, End and Brace Posts. Gate, end, and brace posts will have a min. top diameter of 6 inches and be sufficient length to support the height of the fence and be firmly set in the ground 48 inches.

4. Rails

The rails (horizontal boards) shall be a min. size of 1"x6" (nominal) and a min. of 8 feet in length. Wooden boards (horizontal rails) and posts shall be well seasoned or kiln-dried to minimize warping. Use untreated durable wood of such species as red cedar, black locust or a non-durable wood that is pressure treated. Pressure treated lumber

shall be treated with a min. of 0.40 lbs./cubic foot chromated copper arsenate (CCA), type A, B, or C; or equivalent non-CCA treatment. Boards and posts may be painted if desired.

5. Rail Spacing

The maximum board spacing shall be 16 inches center to center. The top edge of the upper most board shall be at least 48 inches above the ground line. The top edge of the lowest board shall be no greater than 16 inches above the ground line.

Each board shall be attached to each post with a min. of two ring-shank or screw shank type 16 penny galvanized or cadmium coated nails.