

Standard Specification for Wood Fence Structures Utilizing Steel Posts

All steel components are non-proprietary, commercially available and in compliance with ASTM standards. The intermediate line posts, at the option of the project engineer and local ground condition and soil stability, may be mechanically driven 3 feet into the ground in lieu of a concrete set.

LINE , CORNER AND END POSTS

Line posts shall be “C” section roll-formed from steel conforming to ASTM A1011, grade 50, 1.875” x 1.625” for fences up to 6 ft. in height, with a minimum bending strength of 274 pounds under a 6’ cantilever load, continuous coated with 4 oz. of zinc per ft² per ASTM-F1043 Type A. . For wood fences over 6’ in height and up to 8’ tall, Heavy “C” posts 2.25” x 1.70” with a minimum bending strength of 351 pounds under a 6’ cantilever load continuous coated with 4 oz. of zinc per ft.² . Post spacing not to exceed 8 ft. on center. Post spacings on 8 ft. solid board fence may need to be less based on wind conditions and engineered strength requirements. All posts are manufactured in the United States, from steel produced and melted in the United States.

LINE, CORNER AND END BRACKETS

All brackets utilized for this application shall be produced of steel and are complete with all the necessary bolts and nuts already attached and are adjustable both vertically and horizontally. The fittings are galvanized in accordance with ASTM –F626. All other fence hardware for wood fencing shall be as outlined in ASTM F-1222.

GATES

Gate design and manufacture are left to the discretion of the owner and architect/ designer. The gate posts utilized should be capable of supporting the weight and leaf width of each gate panel.

WOOD FENCE BOARDS AND WOOD HORIZONTAL RAILS

All wood fence boards (1”x ___”) and horizontal wood rails (2” x ___”) shall be accordance with ASTM F537.