

**NATURAL RESOURCES CONSERVATION SERVICE
CONSTRUCTION SPECIFICATION**

**FENCE
(Feet)**

CODE 382

CHAIN LINK FENCE (CLF)

Materials.

1. Chain Link Wire Fabric: Shall be a minimum 5 feet high, 9 gauge wire with a minimum tensile strength of 1,290 lbs. Chain link fence fabric shall conform to the requirements of ASTM A 392, "Standard Specification for Zinc-Coated Steel Chain-Link Fence Fabric," 2-inch woven mesh, and 9-gauge galvanized steel wire. Zinc coating shall be Class 2 (i.e., 2 ounces of zinc coating per square foot).
2. Steel Pipes: Posts and fence framework shall conform to the requirements of ASTM F 669, "Specification for Strength Requirements of Metal Posts and Rails for Industrial Chain Link Fence," Group 1A (Schedule 40); ASTM F 1043 "Standard Specification for Strength and Protective Coatings on Metal Industrial Chain Link Fence (Galvanized) Welded, for Fence Structures," as applicable. Coatings shall be Type A galvanized for both internal and external surfaces.
 - a. Top rail and gate frames: Shall be a minimum 1 5/8 inch outside diameter standard (Schedule 40) steel pipe.
 - b. Line posts: Shall be a minimum 2 inch outside diameter standard (Schedule 40) steel pipe, be of sufficient length to support the height of the fence, and be set in concrete to a depth of 28 inches. The concrete shall extend a minimum of 2 inches below the pipe.
 - c. Corner, gate, and end posts: Shall be a minimum 2 3/8 inch outside diameter standard (Schedule 40) steel pipe, be of sufficient length to support the height of the fence, and be set in concrete to a depth of 28 inches and a width at least 3 times the diameter of the pipe. The concrete shall extend a minimum of 2 inches below the pipe.
 - d. Fittings and Gates: Fence fittings shall conform to the requirements of ASTM F 626, "Standard Specification for Fence Fittings." Fittings shall be galvanized steel. Wire ties and clips shall be 9 gauge galvanized steel.
 - e. Installation: Unless otherwise specified by the manufacturer, line posts shall be set at intervals not exceeding 10 feet, as measured from center to center of each post.

All posts shall be capped immediately after installation.

Chain link fabric is generally installed on the outside of the fence post. The fabric shall not be attached to posts until at least 3 days after the posts are set in concrete walls, or at least 5 days after posts are set in the ground with concrete backfill. The fabric shall be stretched taut and securely fastened, using 9 gauge tie clips, to posts at intervals not exceeding 15 inches and to top rails or tension wires at intervals not exceeding 2 feet. Care shall be taken to equalize the tension on each side of each post.

Gate frames shall be fabricated and hung so that they sag no more than 1 percent of the gate width.

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