

# FAA --- ITEM F-162 CHAIN-LINK FENCES

## DESCRIPTION

162-1.1 This item shall consist of furnishing and erecting a chain-link fence in accordance with these specifications and the details shown on the plans and in conformity with the lines and grades shown on the plans or established by the Engineer.

## MATERIALS

162-2.1 FABRIC. The fabric shall be woven with a 9-gauge [galvanized steel wire] [aluminum-coated steel wire] [aluminum alloy] [polyvinyl chloride (PVC)- coated steel] wire in a 2-inch (50 mm) mesh and shall meet the requirements of [ ].

- Galvanized steel fabric shall conform to the requirements of ASTM A-392, Class II.
- Aluminum-coated steel wire shall conform to the requirements of ASTM A-491.
- Aluminum alloy fabric shall conform to the requirements of ASTM F-1183.
- Polyvinyl chloride-coated steel shall conform to the requirements of ASTM F-668, Class 2b.

162-2.2 BARBED WIRE. Barbed wire shall be 2-strand 12-1/2 gauge [zinc-coated] [aluminum coated] wire with 4-point barbs and shall conform to the requirements of [ ].

- Zinc-coated barbed wire shall conform to the requirements of ASTM A-121, Class 3.
- Aluminum-coated barbed wire shall conform to the requirements of ASTM A-585, Class II.

162-2.3 POSTS,RAILS AND BRACES. Posts, rails, and braces furnished for use in conjunction with zinc-coated steel fabric or with aluminum-coated steel fabric shall be of zinc-coated steel or acrylic-coated steel pipe, and those furnished for use in conjunction with aluminum alloy fabric shall be aluminum alloy.

Line posts, rails, and braces shall be [galvanized steel pipe] [polymer-coated steel pipe] [vinyl-coated steel] [structural shapes] [roll-formed] [aluminum alloy] conforming to the requirements of [ ].

- Galvanized steel pipe shall conform to the requirements of ASTM F-1083.
- Polymer-coated steel pipe shall conform to the requirements of ASTM A-569. Polymer coating shall be in accordance with ASTM F-1234, Type B.
- The steel used in all structural shapes shall conform to the requirements of ASTM A-572, Grade 45, and shall be galvanized in accordance with the requirements of ASTM F-1234, Type A.
- Roll-formed sections shall be fabricated from material meeting the requirements of ASTM A-570, Grade 45, and shall be galvanized in accordance with the requirements of ASTM A-123, or coated with zinc-5% aluminum mischmetal alloy in accordance with ASTM F-1234, Type C.
- Aluminum alloy shall conform to the requirements of ASTM B-429, alloy 6063-T6, Schedule 40, for extruded pipe and tube.
- Aluminum alloy shall conform to the requirements of ASTM B-221, alloy 6063-T6, for extruded bar, shape, and tube.
- Vinyl-coated steel shall conform to the requirements of Fed. Spec. RR-F-191/3.

The dimensions of the posts, rails, and braces shall be in accordance with Tables I through VI of Fed. Spec. RR-F-191/3.