SECTION 32 3113

CHAIN LINK FENCES

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Galvanized steel chain link fences.

1.2 SUBMITTALS

A. Product Data:

1. Ports
2. Wire
3. Mesh
4. Manufacturer's standard details of fence and gate installation

B. Shop Drawings:

1. Details of site-specific fence and gate installation

1.3 STORAGE AND PROTECTION

A. Store fencing materials and manufactured items supported off ground and protected from weather.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

A. Anchor Fence, Inc.

B. Security Fence Manufacturing and Supply, Inc.

C. Sonco Fence Manufacturing Company

2.2 MATERIALS

A. Wire: Zinc-coated steel, standard industrial weight, nominal diameter of coated wire 0.148 inch.

B. Fabric: Steel wire mesh sized 1 inch (25 mm) with zinc coating, one piece for the full height shown on the drawings.

2.3 FENCE FRAMING

A. Galvanized steel.

B. Posts: FS RR-F-191, line posts, Class 1, steel pipe.

C. Top Rails and Braces: Class 1, steel pipe. Provide continuous top rail.

D. Equip each gate post, end post, pull post, and both sides of corner posts with brace rails and adjustable 3/8-inch diameter truss rods.

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E. Accessories: Caps, rail ends, rail sleeves, wire ties and clips, brace bands, and miscellaneous fasteners as required for a complete installation.

2.4 MISCELLANEOUS MATERIALS

A. Concrete: 3,000 psi when tested at 28 days.

PART 3 - EXECUTION

3.1 PREPARATION

A. Verify that final grading in fence location is without irregularities which would interfere with the fence installation. Do not commence work until unsatisfactory conditions have been corrected.

3.2 ERECTION

A. Locate line posts at equal distance spacing, not exceeding ten foot centers.

B. Locate corner posts at positions where fence changes direction more than 10 degrees.

C. Posts: Minimum post hole diameter three times outside post diameter. Minimum post hole depth 3 inches below post bottom. Place concrete in hold to depth of post bottom, set post plumb to 0.25 inch in ten feet, fill hole with concrete to two inches above grade, and crown surface of concrete to slope away from post.

3.3 INSTALLATION

A. Fence Fabric: Stretch fabric tight from post to post. Position bottom of fabric approximately 1 to 2 inches above ground level at each post. Cut fabric to form one continuous piece between terminal posts.

1. Attach fabric to terminal posts using tension bars and tension band. Thread tension bars through fabric. Tension band spacing shall not exceed 15 inches on centers.
2. Attach fabric to line posts using wire ties or clips, spacing not to exceed 15 inches on centers.
3. Attach top edge of fabric to top rail using wire ties or clips, spacing not to exceed 24 inches on centers.
4. Attach bottom edge of fabric to bottom tension wire using wire ties or clips, spacing not to exceed 24 inches on centers.

3.4 ADJUSTING

A. Adjust brace rails and tension rods until installation is rigid. Tighten hardware, fasteners and accessories.

END OF SECTION