

SECTION 32 13 19 - ORNAMENTAL PICKET FENCING

PART 1 GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.02 RELATED WORK

- A. Section 04 21 11 and 04 21 13 - Unit Masonry Assembly
- B. Section 31 00 00 - Earthwork
- C. Section 32 91 00 - Plant Material and Planting
- D. Section 32 93 23 - Sodding

1.03 SUMMARY

- A. This Section includes the following:
 - 1. Ornamental picket fence, posts, and accessories.

1.04 SUBMITTALS

- A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification Sections.
 - 1. Product data in the form of manufacturer's technical data, specifications, samples and installation instructions for fencing, posts, and accessories.
 - 2. Shop drawings showing location of fences, each post, and details of post installation, hardware, and accessories.

1.05 QUALITY ASSURANCE

- A. Single-Source Responsibility: Obtain ornamental picket fences as complete units, including necessary erection accessories, fittings, and fastenings from a single source or manufacturer unless indicated on plans.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Elite Fencing Products
- B. Architectural Metal Works
- C. Monumental Iron Works
- D. Braun, J.G.
- E. Crane Veyor
- F. Livers Bronze

- G. Newman Brothers
- H. Pisor
- I. Superior Aluminum
- J. Wylie

2.02 FENCE TYPE

Fence Type: Custom fence heights and styles as per drawings.

2.03 ORNAMENTAL PICKET FENCE

- A. Pickets: Square tubular members, ASTM A 513, hot-rolled structural quality steel, 45,000 psi (310 MPa) tensile strength, with ASTM A 525 hot-dipped galvanized G90 coating. Minimum size of 1 inch, 16 gage. Space pickets 4 inches face to face. Attach each picket to rails with 1/4 inch industrial drive rivets.
- B. Rails: "U" channels formed from hot rolled, structural steel, 1 3/8 inches wide x 1 1/2 inches deep, 11 gage, 0.120 inch wall thickness. Punch rails to receive pickets and attach to rail brackets with industrial drive rivets. Each fence panel shall have 3 rails as indicated by fence style.
- C. Posts: Square tubular members, ASTM A 500, hot-rolled structural quality steel, 45,000 psi (310 MPa) tensile strength, with ASTM A 525 hot-dipped galvanized G90 coating. Line posts, minimum size of 2 1/2" square, corner posts, gate post and decorative posts, minimum size 4" square, 12 gage wall thickness, 4.286 lb/ft.
- D. Accessories: Preassemble panels with ornamental accessories attached with industrial drive rivets to prevent removal and vandalism.
- E. Finish: After components have been galvanized to provide maximum corrosion resistance, pretreat, clean, and prepare galvanized surface to assure complete adhesion of finish coat. Apply 2.5 mil thickness of polyester resin based powder coating by electrostatic spray process. Bake finish for 20 minutes at 450 degrees F, metal temperature. Color: color as per drawings
- F. Post anchor on parking deck shall be bolt down flange and bolts as designed by manufacturer.
- G. Fence color -
 - 1. Pool fence = Grey, Tan, or Black as selected by Landscape Architect

2.04 FITTINGS AND ACCESSORIES

- A. Rail attachment brackets: Cast malleable iron, ASTM A47, Grade 32510, galvanized in accordance with ASTM B 695.
- B. Industrial drive rivets: #MIW 381080691.
- C. Post caps: Formed steel, weathertight closure cap. Provide one post cap for each post as per drawings.

- D. Picket tops: Provide polymer plug, clear, for each picket.
- E. All accessories shall be color coated to match fence color.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Verify areas to receive fencing are completed to final grades and elevations.
- B. Ensure property lines and legal boundaries of work are clearly established.

3.02 ORNAMENTAL PICKET FENCE INSTALLATION

- A. Install fence in accordance with manufacturer's instructions.
- B. Space posts uniformly at 7 feet 10 1/2 inches maximum face to face, unless otherwise indicated.
- C. Check each post for vertical and top alignment, and maintain in position during placement and finishing operations.
- D. Align fence panels between posts. Firmly attach rail bracket to posts with 1/4 inch bolt and lock nut, ensuring panels and posts remain plumb
- E. Attach rail bracket to brick columns in accordance with manufacturer's instructions.

END OF SECTION