

SECTION 02825

FENCES AND GATES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:** Freestanding Trellis Fence.
- B. Related sections:**
 - 1. .Section 03300 - Cast-in-Place Concrete: Concrete footings for support of fence posts.
 - 2. Section 05500 - Miscellaneous Metal Fabrications: Metal fencing and Barrier gate at vehicle entrance.

1.2 REFERENCES

- A. American Society for Testing and Materials (ASTM) Publications:**
 - 1. ASTM A36 - Structural Steel.
 - 2. ASTM A123 - Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
 - 3. ASTM A500 - Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes.
 - 4. ASTM D1794 - Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact).

1.3 SUBMITTALS

- A. Provide in accordance with Section 01330 - Submittal Procedures:**
 - 1. Product data for components and accessories.
 - 2. Shop drawings showing layout, dimensions, spacing of components, and anchorage and installation details.
 - 3. Sample: 8 by 10 inches minimum size sample of fence panel illustrating design, fabrication workmanship, and selected color coating.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. Greenscreen Freestanding trellis Fence**
- B. Manufacturers of equivalent products submitted and approved in accordance with Section 01630 - Product Substitution Procedures.**

2.2 FENCE SYSTEM

- A. Panels:** All panels shall be 14 gauge galvanized steel wire welded to form a 2" x 2" face grid, front and back of panel, separated by bent wire trusses either 2" or 3" in depth. All panels are available in any width up to 48" and any length up to 144" in even 2" increments in either 2" or 3" depths. Dimensions are shown on Drawings.
- B. Trim:** All 3" x 1/2" x 1/2" #5104 Channel Trim and 1/2" x 1/2" #5105 Steel Edge Trim shall be 20 gauge galvanized steel sheet welded to the wire frame panels with all

exterior surfaces ground smooth prior to powder coat finish. Architect shall select trim style.

- C. **Clips:** All mounting clips shall be fabricated from 14 gauge or thicker, galvanized steel sheet stock. All bending, forming, and drilling shall be done prior to powder coat finish.
- D. **Finish:** Commercial Grade Finish - All panels, trim and miscellaneous clips shall be cut, drilled and fabricated and then receive a multi-grade phosphate wash and a thermally-set zinc rich primer prior to a thermally-set powder paint in gloss green, black, silver, white, or matte wrinkle green or black as selected by Architect.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install fencing in accordance with manufacturer's installation instructions and approved shop drawings.
- B. Touch-up damaged finish with paint supplied by manufacturer and matching original coating

END OF SECTION