PART 1 - GENERAL

1.1 SUMMARY
A. Section Includes:
1. Steel welded wire fences.
2. Steel welded wire gates.
3. Concrete post foundations.

B. Related Sections:
1. Division 01: Administrative, procedural, and temporary work requirements.
2. Section 03 3000 - Cast-In-Place Concrete.
3. Section 31 2300 - Excavation and Fill.

1.2 REFERENCES
A. ASTM International (ASTM):

1.3 SUBMITTALS
A. Submittals for Review:

1. Shop Drawings: Indicate fence locations, post spacing, system components, and accessories.
2. Product Data: Manufacturer's descriptive data.
3. Samples:
   a. [36 x 63] [x] inch fence panel samples.
   b. [12] [_] inch long post samples.
   c. Cap and bracket samples.

B. Sustainable Design Submittals:
1. Recycled Content: Certify recycled content of steel; indicate recycled content percent and whether pre-consumer or post-consumer [LEED MR Credit 4.1/4.2].
2. Regional Materials: Certify materials extracted, processed, and manufactured within 500 mile radius of Project site [LEED MR Credit 5].

1.4 QUALITY ASSURANCE
B. Mockup:
2. Show: Fence posts, panels, and accessories.
3. Locate [where directed.]
4. Approved mockup may [not] remain as part of the Work.

1.5 WARRANTIES
A. Furnish manufacturer's warranty providing coverage against corrosion of galvanized steel coatings and blistering or loosening of powder coatings.

PART 2 - PRODUCTS

2.1 MANUFACTURERS
A. Contract Documents are based on products by Deacero S.A. DE C.V.
B. Substitutions: [Under provisions of Division 01.] [Not permitted.]

2.2 COMPONENTS
A. Fence Panels:
   1. Resistance welded steel wire mesh, ASTM A185/A185M, double 1 gauge horizontal with 4 gauge filler, Class 1 galvanized steel wire per ASTM A641/A641M, continuous ornamental wire.
   2. Height: [63] [83] inches.
   3. Wire breaking load: Minimum 55,000 to 70,000 PSI.
   4. Weld shear strength: Minimum 1,050 pounds.
B. Posts:
   1. Extruded Aluminum Tube, ASTM A513/A787, custom designed for the panel.
   2. Length: To suit panel height and post mounting method.
   4. Post bases: Not applicable.
   5. Extension arms: Not applicable for this design.
C. Post Brackets:
   1. Galvanized steel and powder coated, sized to post dimensions.

D. Gates:
   1. Custom built by design. Includes any specified hardware.

2.3 ACCESSORIES
A. Concrete: As required by local building codes.

2.4 FINISHES
A. Fence Panels and Posts:
1. Polyester powder coated to approximately 4 mils thickness, free of both Triglycidyl Isocyanurate (TGIC) and Volatile Organic Compounds, [Black] [White] [Green] [Brown] [Gray] [Blue] [Red] [Yellow] color.
2. Salt spray resistance: No rusting or blistering tested to ASTM B117 for 1000 hours.
3. Adhesion: Tested to ASTM D3359, Method B.

PART 3 - EXECUTION

3.1 INSTALLATION
A. Install fencing in accordance with manufacturer's instructions and approved Shop Drawings.
B. Drill post holes into undisturbed or compacted soil in accordance with local building codes.
C. Set posts with bottom hole in accordance with local building codes.
D. Place concrete around posts in accordance with local building codes.
E. Pour top of footings in accordance with local building codes.

**** OR ****

3.2 INSTALLATION
A. Install fencing in accordance with manufacturer's instructions and approved Shop Drawings.
B. Locate and drill holes for post bases.
C. Secure each post with four anchor bolts.

3.3 INSTALLATION TOLERANCES
A. Maximum Variation from Plumb: $\frac{1}{4}$ [_] inch in 10 feet.