

SECTION 32 31 23
Extruded Polyvinylchloride (PVC) Fencing
(EverGuard®)

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. PVC fencing and accessories

1.02 RELATED SECTIONS

- A. Section 32 13 00 - Paving and Surfacing
- B. Section 03 06 30 - Cast-In-Place Concrete
- C. Section 04 20 00 - Unit Masonry

1.03 SUBMITTALS

- A. Changes in specification may not be made after the bid date.
- B. Shop Drawings: Layout of fence and gates with dimensions, details and finishes of component accessories and post foundations.
- C. Product Data: Manufacturer's catalog cuts indicating material compliance and specified options.
- D. Samples: Color selections for PVC. If requested, samples of materials.

1.04 SPECIAL WARRANTY

- A. Provide manufacturer's Lifetime Limited Warranty.

PART 2 PRODUCTS

2.01 MANUFACTURER

- A. Merchants Metals, Houston, Texas (Phone: 866-888-5611). Products from other qualified manufacturers having a minimum of 5 years experience manufacturing PVC fencing will be acceptable by the architect as equal, if approved in writing, ten days prior to bidding, and if they meet the following specifications for design, size, and fabrication.
- B. PVC fences and gates must be obtained from a single source.

C. PVC FENCE:

Style:

Height: _____(mm)

D. Approved Manufacturer:

Merchants Metals

Phone: (866) 888-5611 Fax: (281) 372-3801

Specification Department

Phone: (888) 260-1600 Fax: (888) 261-3600

tech-info@merchantsmetals.com

2.02 PVC FENCE

- A. Pickets, rails, and posts, per ASTM F 964, fabricated from PVC extrusion. The PVC extrusions shall comply with ASTM D 1784, Class 13343, and have the following characteristics:

Specific Gravity (+/- 0.02)	1.4
Izod impact ft. lbs./in. notch.....	(at 32° F) 2.41 & (at 73° F) 3.24
Tensile yield strength, psi.....	6,720
Flexural yield strength, psi	9,756
Elasticity modulus, psi.....	381,000
DTUL psi 155°F	
Flame spread 15	

B. Pickets: (Size)_____ (_____ mm) Rails: (Size)_____ (_____ mm)

Posts: (Size)_____ (_____ mm)

Color: _____(specify white (standard) or color)

2.03 SETTING MATERIAL

- A. Concrete: Minimum 28-day compressive strength of 3000 psi (20 MPa).

PART 3 EXECUTION

3.01 EXAMINATION

- 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 INSTALLATION

- A. Follow manufacturer's installation instructions for the appropriate style in setting posts. Set gate posts for gate opening specified in the construction drawings. Posts placed 24" – 36" in the ground, depending upon the style of fence and local conditions and set in concrete.
- B. Gate posts and corner posts on all fences and line posts on taller fences shall be filled with concrete for additional strength.
- C. Place assembled fence sections into position and slide rails into posts. The rails are secured into posts by tabs which are notched into the rails and catch on the inside wall of the post.
- D. Check each post for vertical and top alignment, and maintain in position during placement and finishing operation.

3.03 GATE INSTALLATION

- A. Install gates plumb, level and secure using bolt-on hardware supplied by the manufacturer.
- B. Adjust hardware for smooth operation.

3.04 ACCESSORIES

- A. Install post caps and other accessories to complete fence.

3.05 CLEANING

- A. Clean up debris and unused material and remove from site.

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