

**SPECIAL PROVISION
SECTION 607
FENCES**

The provisions of Section 607 of the Standard Specifications shall apply with the following additions and modifications:

607.01 Description

This work shall consist of the demolition of existing fencing and installation of new fencing in accordance with these specifications and in reasonably close conformity with the lines and grades as shown on the Drawings.

607.02 Materials

The following paragraphs shall be added:

607.021 Aluminum Fencing Aluminum fencing shall be Industrial Strength Aluminum Ornamental Fence as manufactured by Jerith Manufacturing Co., Inc., 14400 McNulty Road, Philadelphia, PA 19154, or approved equal.

1. Fencing system shall be Jerith Style #202.
2. Fence height shall be 4 feet
3. Fence color shall be black

607.0211 Material All posts and rails used in the fence system shall be extruded from HS-35 aluminum alloy having a minimum yield strength of 35,000 psi. All pickets shall have a minimum yield strength of 25,000 psi. 6063-T5 and 6063-T52 Alloys (in accordance with ASTM B221) are not acceptable for any components.

All fasteners shall be stainless steel. Square drive screws shall be used to connect the pickets to the horizontal rails. Rail to post connections shall be made using self-drilling hex-head screws.

Aluminum sand and die castings shall be used for all scrolls, post caps, finials, and miscellaneous hardware. Die castings shall be made from Alloy A360.0 as per ASTM B85 for superior corrosion resistance. Alloy A380.0 is not acceptable.

607.0212 Finish Fence materials shall be coated with a polyester powder-coat finish system applied by the fence manufacturing company. Epoxy powder coatings, baked enamel or acrylic paint finishes are not acceptable. In addition, any screw heads shall be painted to match the color of the fence.

607.0213 Fabrication Horizontal rails shall be 1-5/8" channels formed in a modified "U" shape. Pickets shall pass through holes punched in the top of the rail. The top wall shall be .070" thick and the side walls .100" thick for superior vertical load strength. There shall be 3 horizontal rails in each section.

Pickets shall be fastened to the rails using painted stainless steel screws. Screws shall be used on only one side of the rail, leaving the other side with a clean appearance. Pickets shall be 1" square and have a wall thickness of .062". Welding the pickets to the rails is not permitted.

Posts shall be 2-1/2" square extrusions with pre-punched holes which allow the fence section rails to slide in. Posts shall be spaced a maximum of 71-1/2" on center and have .075" walls. Die cast aluminum caps shall be provided with all posts.

Assembled sections shall support a 1,000 lb. vertical load at the midpoint of any horizontal rail.

607.0214 Warranty The entire fence system shall have a written Limited Lifetime Warranty against rust and defects in

workmanship and materials. In addition, the finish shall be warranted not to crack, chip, peel, or blister for the same period.

607.03 Construction Requirements

The following paragraphs shall be added as Section 607.031:

Install fencing as per manufacturer's recommendation in the locations indicated on the plans and in accordance with the details.

Installation of fencing on top of precast concrete gravity block wall systems shall be coordinated with the wall system manufacturer.

The Contractor is responsible for locating, marking and avoiding all subsurface utilities during the post driving.

604.05 Method of Measurement

Measurement shall be in accordance with Subsection 607.06.

607.07 Basis of Payment

Payment for aluminum fence shall be in accordance with Subsection 607.07.

The following paragraphs shall be added to Section 607.07:

The demolition of existing fencing shall be considered incidental to the applicable fence pay item.

<u>Pay Item</u>	Payment will be made under:	<u>Pay Unit</u>
607.60	Aluminum Fence – 4'	Linear Foot