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Powder Coat Finish • Meets All ASTM/Government Specs

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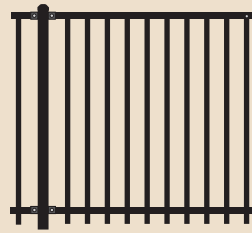
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LONG<sup>®</sup> FENCE

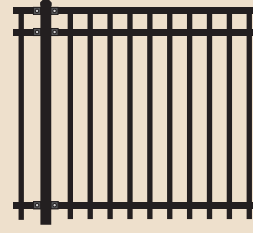
# DIPLOMAT



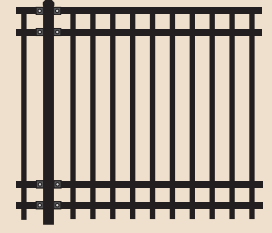
Diplomat iron fencing offers contemporary simplicity with universal appeal. It is well suited for most commercial, municipal and recreational facilities. This style features a flat top-rail with no protruding pickets. It is available in 2-rail, 3-rail and 4-rail, in heights that range from 42 to 144 inches.



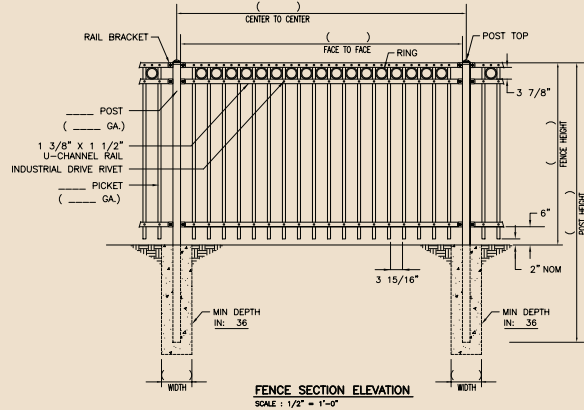
2 Horizontal Rails



3 Horizontal Rails



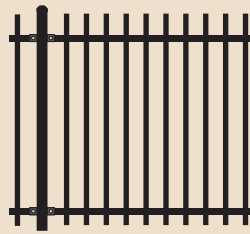
4 Horizontal Rails



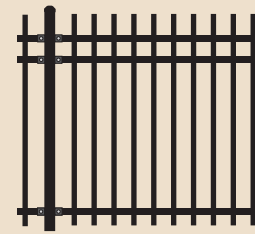
# SOVEREIGN



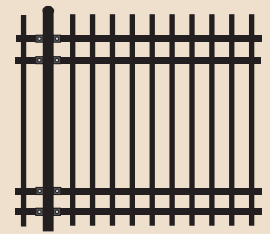
Sovereign iron fencing is a popular and attractive choice proving security can be beautiful. It features flat-top pickets that come with a plug-like cap. Sovereign is particularly striking in taller fence heights. It is available in 2-rail, 3-rail and 4-rail, in heights that range from 42 to 144 inches.



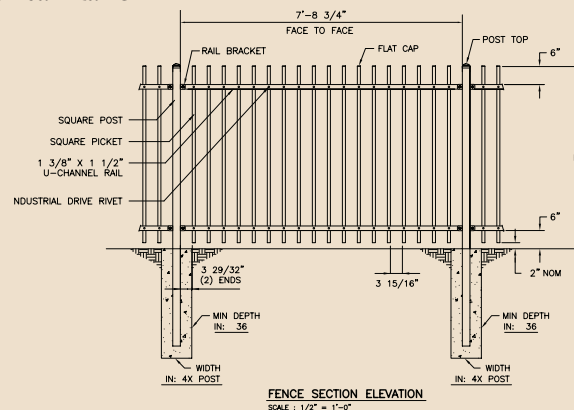
2 Horizontal Rails



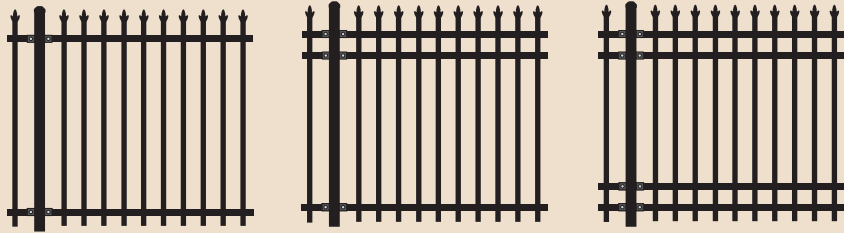
3 Horizontal Rails



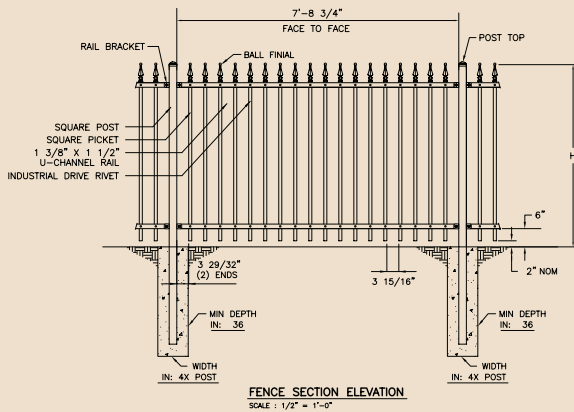
4 Horizontal Rails



Sovereign iron fencing with finials provides all the benefits of this style plus a look of distinction with the addition of your choice of picket cap. Three finial styles are available to offer the right complement for your project. It is available in 2-rail, 3-rail and 4-rail, in heights that range from 42 to 144 inches.

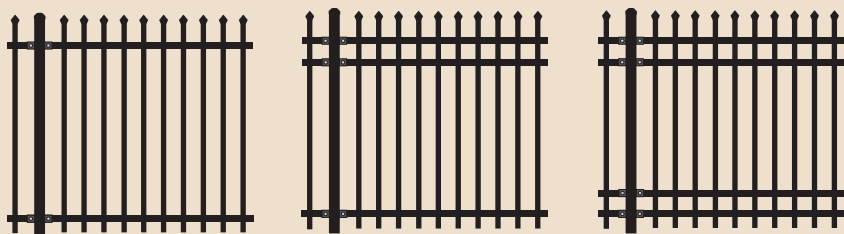


2 Horizontal Rails      3 Horizontal Rails      4 Horizontal Rails

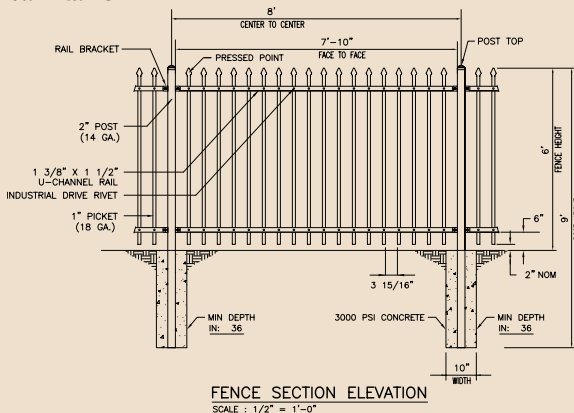


EMBASSY

Embassy iron fencing is a classic design with traditional pressed point pickets extending above the top rail. Embassy is an outstanding value for large perimeter projects. It is available in 2-rail, 3-rail and 4-rail, in heights that range from 42 to 144 inches.



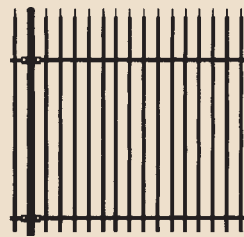
2 Horizontal Rails      3 Horizontal Rails      4 Horizontal Rails



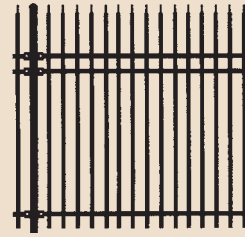
## GUARDIAN



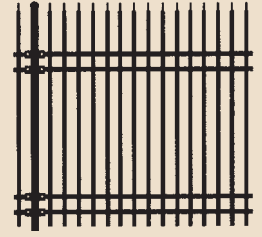
Guardian fencing adds security and style to the facilities and properties it surrounds. Each pressed point picket extends above the top rail and curves outward for greater anti-climb protection. It is available in 2-rail, 3-rail and 4-rail, in heights that range from 60 to 144 inches.



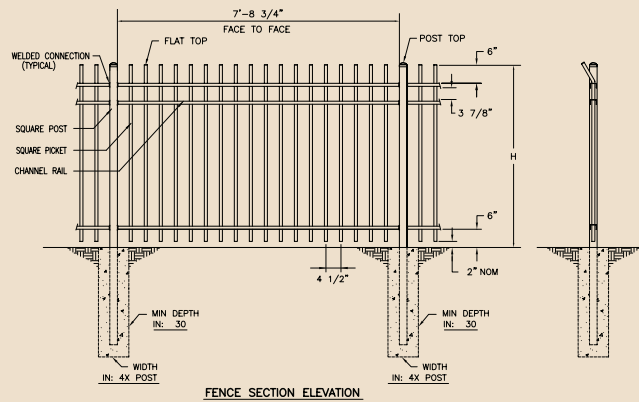
2 Horizontal Rails



3 Horizontal Rails



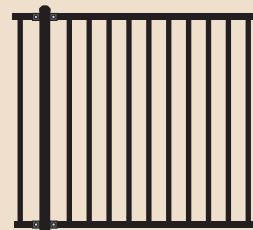
4 Horizontal Rails



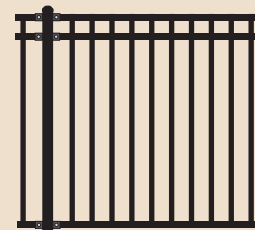
## REGENCY



Regency is a simple, yet strong design which meets most swimming pool enclosure codes. This style has no exposed pickets above or below the rails for added safety. Regency style gates can be equipped with a pool safety latch. It is available in 2-rail, 3-rail and 4-rail, in heights that range from 42 to 144 inches.



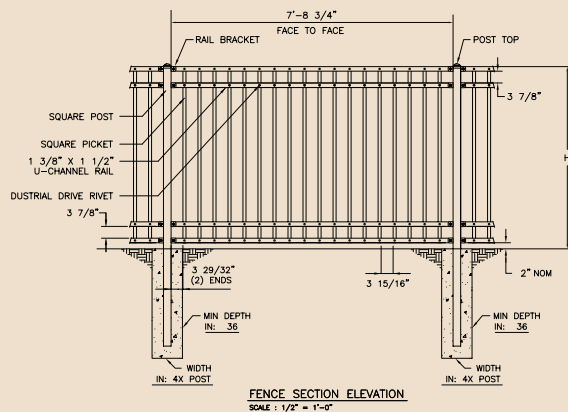
2 Horizontal Rails



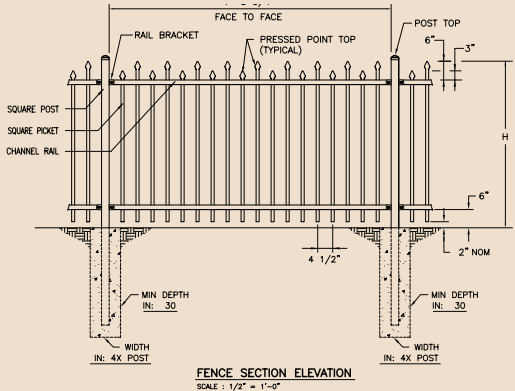
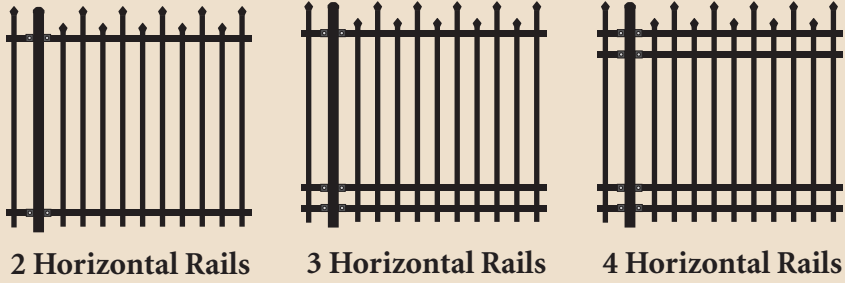
3 Horizontal Rails



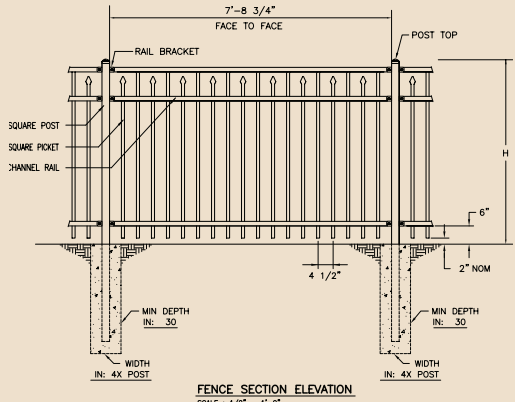
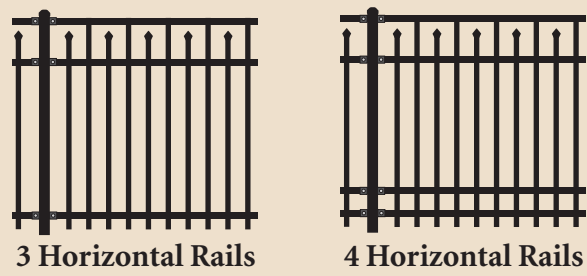
4 Horizontal Rails



Monarch iron fencing offers traditional protruding flat or pressed point pickets, however the picket heights alternate, adding visual interest and aesthetic appeal. This fence is well suited for large scale perimeter projects. It is available in 2-rail, 3-rail and 4-rail, in heights that range from 42 to 144 inches.



Chancellor is a modern design that combines the safety of a smooth top rail with the traditional look of pressed or finial point pickets below the rail. It is available in 3-rail and 4-rail, in heights that range from 42 to 144 inches.



With Finials



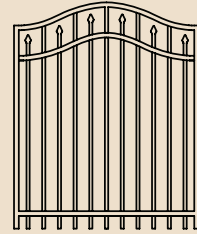
With Rings & Finials



## SINGLE GATES



Most perimeter security fencing projects require gates for access control. Single gates are most often the choice for pedestrian traffic, however they can be used for vehicular traffic. Single gates are usually constructed to match the fence style and are fabricated using high quality materials and welded construction. Many latch and hinge options are available depending on the level of security needed. Single gates can accommodate a variety of widths from three to eighteen feet. Custom sizes are also available.



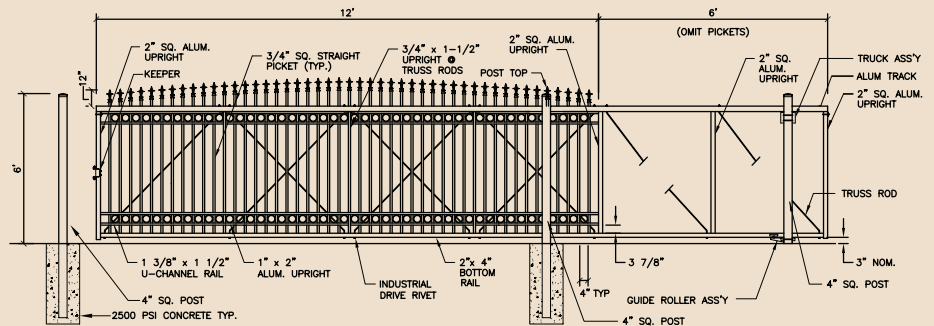
**ELEVATION : CHANCELLOR GATE**



## SLIDE GATES



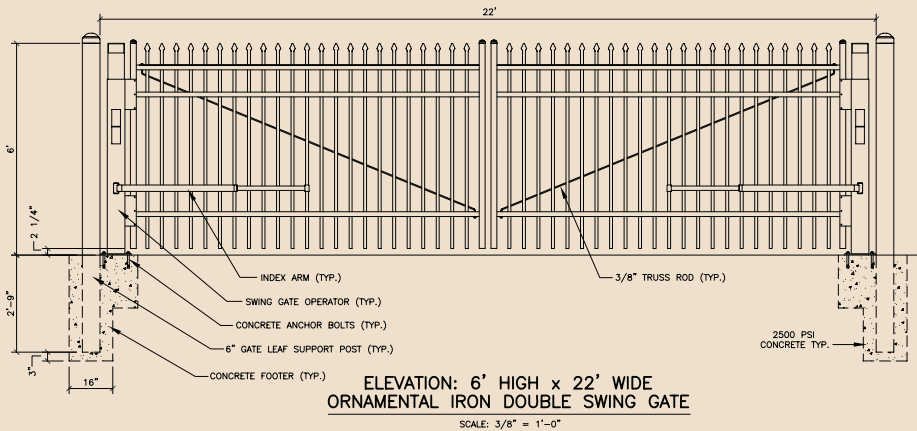
Slide gates are an excellent alternative when outward/inward swing space is limited at your entrance or exit. Slide gates help secure your property and can be constructed to accommodate any size opening. As an additional safeguard, slide gates can be motorized and access controlled from the convenience of your office or any other security post. Professional construction and installation using quality materials ensures a strong, durable gate that is also an attractive enhancement to your property.



**FRONT GATE ELEVATION:  
84" HIGH x 12' WIDE SINGLE CANTILEVER SLIDE GATE**

Long® Fence can furnish and install double swing gates for any type of industry or domain, whether the need is to provide access control or aesthetic appeal. All swing gates will aid in securing and protecting your property.

Double swing gates can be customized to accommodate any size opening and matching fence styles are available. Gate tops can be straight or arched to complement a matching fence or if the gate is constructed to stand alone, it can be designed to enhance your property or showcase your business. For added security and convenience, swing gates can be upgraded with automatic operators and entry controls.

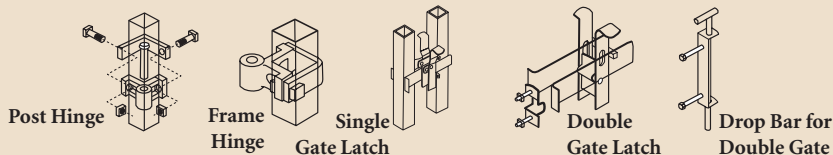


Custom iron gates are available in all styles and heights. Vehicular slide and swing gates, as well as pedestrian gates can be manufactured to fit any opening. Gates can be easily motorized and access control equipment can be added to accommodate any security need.

Any Long® Iron gate can be fabricated to include custom logos, special designs and colors that will identify your property, perpetuate your brand and add aesthetic appeal to your business or enterprise. High quality materials and professional installation only serve to enhance the security and beauty our custom gates provide.



GATE HARDWARE



## PART 1 GENERAL

### 1.01 SECTION REQUIRED

- A. Furnish labor, materials, and equipment to include ornamental fencing for the referenced project.

### 1.02 SUBMITTALS

- A. Changes in specification only upon written approval by customer.
- B. Shop Drawings: Shall consist of dimensions, sizes, finishes and post foundations.
- C. Product Data: Manufacturer's certification indicating material compliance and installation.
- D. Samples: Color selections for polyester powder coated finishes. If requested, samples of fence components delivered to customer.

## PART 2 PRODUCTS

### 2.01 MANUFACTURER

- A. Long® Fence Co. Inc.,  
8545 Edgeworth Drive, Capitol Heights, MD 20743  
Phone 301-350-2400 - Fax 301-336-0743  
Website: www.longfence.com

Additional qualified manufacturers having a minimum of 5 years experience manufacturing ornamental picket fencing will be reviewed by the customer to determine conformity to the following specifications for design, size, gauge of metal parts and fabrication.

- B. Ornamental Picket Fence:  
Style: \_\_\_\_\_ (Height: \_\_\_\_\_)
- C. Approved Manufacturer: Long® Fence Co. Inc., Capitol Heights, MD  
Phone 301-350-2400, Fax 301-336-0743

### 2.02 ORNAMENTAL PICKET FENCE

- A. Pickets: Fabricated of galvanized steel tubular members, galvanized inside and outside of tube per ASTM A500-03 and F2408-06. Steel to have 45,000 psi (310 MPa) yield strength. Picket size shall be (¾" or 1") 14, 16 or 18 gauge wall thickness, and spaced at 3-15/16" face to face. Pickets shall be attached to rails using ¼" industrial drive rivets.
- B. Rails: Horizontal "U" channels shall be 1-1/2" x 1-3/8" x 1-1/2" 11 gauge wall thickness .120" and galvanized: G90 coating 0.90 oz/ ft2 (0.27 kg/m2). Manufactured per ASTM A653 with a 50,000 psi (344 MPa) yield strength. Rails shall be mechanically punched to receive pickets and drive rivets. Rails shall be attached to brackets using ¼" x 2" one way 304 stainless steel security bolts and tee nuts. Steel manufactured to meet ASTM A446 specification.
- B. Posts: Manufactured using galvanized steel tube, inside and outside, produced per ASTM A500 and F2408-06, steel to have 50,000 psi (310 MPa) yield strength.  
Post sizes: 3" square 11 gauge, 2 ½" square 14 gauge or 2" square 14 gauge.
- C. Finish: All posts, caps and fence panels shall be polyester coated individually before fabrication to thoroughly coat all surfaces for additional corrosion protection. All components receive an iron phosphate pre-treatment cleaning to promote adhesion and a non-chromate conversion coating to seal the surface for additional corrosion protection. Components are given a baked polyester powder coating applied by the electrostatic spray process to an approximate 3.0 mil thickness. The finish is baked in an oven for 15 – 20 minutes at a temperature ranging from 450° to 475° F. Colors available in black or white (other colors available upon request).

### 2.03 ACCESSORIES

- A. Post Caps: Aluminum or formed steel manufactured to form a weather-tight closure. Caps shall be ball type or flat top (choose one) style on each post.
- B. Rail/Post Brackets: Standard 1 ½" x 1 ½", 11 gauge galvanized steel. Cover to be riveted to bracket for permanent installation. Bracket shall be fastened to post with 2 stainless steel hexhead screws. Rails shall be fastened to bracket with stainless steel one way security screw.
- C. Rings: Cast aluminum rings attached to rails by insertion of mounting block into upper rail. Rings attached to rails with standard drive rivet to prevent removal.
- D. Pickets shall be secured to rails with ¼" aluminum industrial drive rivets to prevent movement. Rivets have a sheer strength of 1,500# (6674 N) and a holding power of 1,100# (4894N).
- E. Finial Tops for Pickets: Cast aluminum, attached to pickets by ¼" rivet. All finials extend approximately 6" above rail.
- F. Picket Tops: (choose one)
1. Standard pressed steel-pointed pickets.
  2. Flat top pickets with plugs.
  3. \_\_\_\_\_ Style finial top pickets (choose one: spear or ball).
  4. Executive style (pickets terminate at top rail).

### 2.04 GATES

- Ornamental picket swing gates (see additional specifications).  
Ornamental picket cantilever slide gates (see additional specifications).

### 2.05 SETTING MATERIALS

- A. Concrete: Minimum 28 day compressive strength of 2,500 psi.
- B. Plated Post: Provide 3/8" steel base plates with 4 holes for surface mounting where indicated.

## PART 3 EXECUTION

### 3.01 EXAMINATION

- A. Fence layout to be surveyed and staked by customer on finish grades.
- B. Property lines and legal boundaries of work to be clearly established by the general contractor or property owner.

### 3.02 FENCE INSTALLATION

- A. Install fence per fence industry standards.
- B. Space posts uniformly at 8' on center unless instructed otherwise.
- C. Set posts in concrete having a diameter 4 times the diameter of the post, and 6" deeper than the bottom of the post. Forms are not necessary or recommended.
- D. Check each post for vertical and top alignment.
- E. Attach brackets to panels using one way ¼" security bolts with lock nuts.

### 3.03 INSTALL AND SECURE SPECIFIED POST TOPS

### 3.04 CLEANING

- A. Clean up debris and remove from the site.