NOTE 3 - FENCES, WALLS AND HEDGES, SUBJECT TO THE FOLLOWING MAXIMUM HEIGHT REQUIREMENTS

Location

1. Residential Districts

   a. Solid fences shall be prohibited in any front yard; 0
   b. Front yard and street side yard of corner lot
      • In the Historic District 3 ft.
      • All other residential districts 4 ft.
   c. Side and rear yards adjacent to residential uses, except that this limitation shall not apply to living hedges; 6 ft.
   d. Side and rear yards adjacent to non-residential uses and arterials, except that this limitation shall not apply to living hedges; 6 ft.
   e. On a corner lot, any yard within the sight triangle. 2.5 ft.

2. Non-Residential Districts

   a. On a corner lot, any yard within the sight triangle; 2.5 ft.
   b. Side and rear yard; 8 ft.
   c. Front yard - not permitted. 0

3. The use of barbed wire and coil wire is prohibited in all zoning districts of the City.

THE FOLLOWING INSERTS ARE MANUFACTURERS CATALOG SHEETS WHICH ARE INTENDED AS EXAMPLES OF APPROPRIATE FENCE TYPES. THIS INFORMATION IS INCLUDED FOR REFERENCE PURPOSES ONLY.
Crafted Elegance and Security in Affordable Ornamental Picket Fence and Gates

Architectural 6
Ornamental iron fences and gates have been the worldwide architectural choice for attractive security on public, commercial, industrial, and residential properties for hundreds of years. Monumental Iron Works fences and gates can be found throughout this country, adding beauty and security to these properties for their many owners. We apply tomorrow's modern technology to the production of ornamental fences and gates. Only, at Monumental Iron Works, we do it today. The result is a superior product with all the elegance and craftsmanship of fencing forged by the hands of a master blacksmith in years gone by.

We offer a wide variety of modular products, including rails, posts, rings, finials, tops, and scrolls, all in six
beautiful colors. You choose the combination you want, and Monumental Iron Works will deliver the finest quality ornamental picket fencing at affordable pricing. Ornamental picket fence from Monumental Iron Works complements any architectural design and provides distinction as well as security.

Quality products. Galvanized steel with a polyester powder coated finish for a long low maintenance life.
The answer to the question “Why Monumental?” is simple. It is value, superior construction, the widest variety of choices in the industry, and a guarantee that Monumental Iron Works fence and gates will last for years and retain their beauty. This adds up to the value you are looking for.

Monumental’s horizontal rails, designed in a “U” channel, are made of 11 gauge galvanized steel. They are exceptionally strong, will hold up in high traffic areas, and can be punched without distorting. Our 3/4- or 1-inch pickets are attached to the rails with industrial drive rivets rather than sheet metal screws or loose internal rods. Rings, finials, and decorative scrolls are all heavy castings that add authenticity. Monumental Iron Works has designed a system that, when completely assembled, offers
Iron Works?

Quality, Security, Complete Satisfaction

IRON ARCHITECTURAL SWIVEL BRACKET (Patent Pending)

LEVEL

DOWN-GRADE

STRAIGHT

TURN RIGHT

BRACKET TOP

After insertion and riveting of rail a snap-lock cap is inserted into each bracket, completely concealing all nuts, bolts and rail ends. Clean in appearance and the most secure attachment in the industry.

Monumental IronWorks architectural swivel bracket provides 30° up/down/left/right to professionally accommodate unique applications (patent pending)

Snap-lock cap fully encloses rail for a professional look

Factory punched mounting hole in rail for quick installation

1/4" industrial drive rivets eliminate weld rust

RAIL LOCK

Rails are inserted into brackets. Rail is held in place by 2 industrial drive rivets (one each side) that are inserted through factory punched slotted holes in rail.

the strongest ornamental picket fence available anywhere.

Every Monumental Iron Works rail, picket, post, and steel casting has a heavy galvanized coating. These parts each receive a series of chemical washes and a non-chromate coating before the outer coat of polyester powder is electrostatically applied and baked in an oven at metal temperatures that exceed 400° to assure complete adhesion of metal surface and polyester outer coat. We proudly display The Powder Coating Institute seal of quality on each carton that leaves Monumental Iron Works.

Discriminating buyers specify Monumental Iron Works ornamental picket fence because of its superior value, good looks, quality construction, low maintenance, and affordable price. When you're preparing a specification, call us for assistance. 410-633-6500.

"Gate"

All parts are galvanized and powder coated
In earlier times, craftsmen built fences which have become classic because of their unique designs. Today, Monumental Iron Works is reviving that old world charm in its newest line of ornamental picket fences with the Olde Towne Style. Our modern craftsmanship will give a feeling of history and hospitality seldom found in today's choice of fence materials. Yet, at the same time, you are assured of complete security. Whether you choose the delightful ambience and charm of the colonial styles (Main Street, Bridge Street, or Federal Street)
Available With:
- **Tubular Pickets**
  - 1” - 18 ga. pickets
  - 1” - 16 ga. pickets
  - 1” - 14 ga. pickets

- **Rails**
  - 1 1/2” x 1 3/8” U-Channel
  - 6’ or 8’ long sections with 11 ga. rails
  - 6’ long sections with 15 ga. rails

**Finial Tops**
- Spear
- Ball
- Fleur-de-lis

**Rings**
- 9” Circle with Fleur-de-lis
- 9” Circle with Picket

- **Main Street**
  - Imperial Top Rail

- **Bridge Street**
  - Estate Top Line with Fleur-de-lis Finial on Picket

- **Federal Street**
  - Estate Top Line with Flat Top or Pointed Top Pickets

Row 9” Rings
- Fleur-de-lis Finial inside the ring

1 Row 9” Rings
- Fleur-de-lis Finial inside the ring

1 Row 9” Rings
- Fleur-de-lis Finial inside the ring

All parts are galvanized and powder coated.
The design of our Imperial Style is based on traditional iron picket fences found in our catalogs, dating back to 1892. Long accepted as an outstanding value because of quality construction, durability, numerous options, and affordable pricing, Imperial Style fence and gates by Monumental Iron Works provides you an exceptional ornamental picket fence system. Imperial is an ideal choice for use where elegant simplicity is desired.

As with all of Monumental’s ornamental fences, the pickets are spaced $3\frac{3}{4}$ inches apart. While offering the practicality and charm of a traditional picket fence, the
Imperial Style fence and gates by Monumental Iron Works offers a high degree of security. Matching gates are shown on pages 20-29.

Available With:
- Tubular Pickets
  - 3/4" - 18 ga. Pickets
  - 1" - 18 ga. Pickets
  - 1" - 16 ga. Pickets
  - 1" - 14 ga. Pickets
- Rails
  - 1 1/2" x 1 3/8" U-Channels
  - 6' or 8' long sections with 11 ga. rails
  - 6' long sections with 15 ga. rails
- Solid Steel Pickets
  - 3/4" Square
  - Rails
    - 1 1/2" x 1 3/8" U-Channels
    - 6' or 8' long sections with 11 ga. rails

Imperial D-Modified
- Horizontal rails
- 1 row rings

Imperial D
- 4 horizontal rails
- 1 row rings

Imperial E
- 4 horizontal rails
- 2 row rings

All parts are galvanized and powder coated.
Estate Style...

Monumental Iron Works Estate Style with pressed point top pickets is contemporary in design. The pressed point tops add security and have an attractive look that is reminiscent of very early English and European iron work and are noted for their spear like appearance.

To avoid injury, this style is not recommended when the tops of the pickets are less than 6-feet above the ground. Matching gates are shown on pages 20-29.

Estate A
2 horizontal rails
Pointed Picket Tops

Estate B
3 horizontal rails
Pointed Picket Tops

Estate C
4 horizontal rails
Pointed Picket Tops
Available With:
Tubular Pickets
3/4" - 18 ga. Pickets
1" - 18 ga. Pickets
1" - 16 ga. Pickets
Rails
1 1/2" x 1 3/8" U-Channels
6' or 8' long sections with 11 ga. rails
6' long sections with 15 ga. rails
The Estate Style with cast finials on top of the pickets is the most ornate Monumental Iron Works fence. There are three distinctly different finials (ball, spear, or Fleur-de-lis). These beautiful, classic designs add old world charm and dignity to any property. They are even more attractive when paired with our Monumental Rings.

To avoid injury, the spear type finial is not recommended when the tops of the pickets are less than 6-feet above the ground. Matching gates are shown on pages 20-29.
Available With:
Tubular Pickets
3/4" - 18 ga. Pickets
1" - 18 ga. Pickets
1" - 16 ga. Pickets
1" - 14 ga. Pickets

Rails
1 1/2" x 1 3/8" U-Channels
6' or 8' long sections with 11 ga. rails
6' long sections with 15 ga. rails
or

Solid Steel Pickets
3/4" Square
Rails
1 1/2" x 1 3/8" U-Channels
6' or 8' long sections with 11 ga. rails
Estate Style... with flat top pickets is the most contemporary look offered in the Estate series. Good looking and long lasting, this fence with the flat top pickets will complement any architectural design.

Every Monumental Iron Works fence is strong, secure and has low maintenance. The discriminating buyer who selects a Monumental Iron Works fence will be proud of his choice. His fence will look far more expensive than it costs. Matching gates are shown on pages 20-29.
Available With:

- Tubular Pickets
- 3/4" - 18 ga. Pickets
- 1" - 18 ga. Pickets
- 1" - 16 ga. Pickets
- 1" - 14 ga. Pickets

Rails
- 1 1/2" x 1 3/8" U-Channels
- 6' or 8' long sections with 11 ga. rails
- 6' long sections with 15 ga. rails

or

Solid Steel Pickets
- 3/4" Square

Rails
- 1 1/2" x 1 3/8" U-Channels
- 6' or 8' long sections with 11 ga. rails

POWDER COATED

All parts are galvanized and powder coated.
Skillful design and superior craftsmanship allow Monumental Iron Works' Fortifier and Fortifier Plus styles to give maximum security and add beauty to the architectural design of your project. Choose either the pointed top or flat cut top pickets. Add a row of decorative rings for style.

Consider post top options (shown on page 17) for added security as well as attractiveness. When security is your main concern, choose Fortifier Style of ornamental picket fence - you can't go wrong.
Available With:
Tubular Pickets
1" - 18 ga. Pickets
1" - 16 ga. Pickets
1" - 14 ga. Pickets (Flat cut top only)
Rails
1 1/2" x 1 3/8" U-Channels
6' or 8' long sections with 11 ga. rails
6' long sections with 15 ga. rails
Solid Steel Pickets
3/4" Square
Rails
1 1/2" x 1 3/8" U-Channels
6' or 8' long sections with 11 ga. rails
Fortifier A or Fortifier Plus A

Optional Post Tops
Made to fit end corner or line posts. These tops eliminate any gap in pickets.
1.1 Scope: This specification covers materials and construction requirements for Ornamental Picket fencing.

1.2 Materials:
A. Pickets - Made of hot-rolled structural steel. The wall thickness shall be 18 or 16 gauge. Tube shall be manufactured per ASTM A513. Tube shall be hot-dipped galvanized per ASTM A525-G90. Space between pickets shall be 3 31/32" face-to-face.

<table>
<thead>
<tr>
<th>Size</th>
<th>Wall Thickness</th>
<th>Wgt. Per Ft.</th>
<th>Tensile Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4&quot;</td>
<td>18 ga</td>
<td>.467 lbs.</td>
<td>45,000 PSI</td>
</tr>
<tr>
<td>1&quot; Sq.</td>
<td>18 ga</td>
<td>.634 lbs.</td>
<td>45,000 PSI</td>
</tr>
<tr>
<td>1&quot; Sq.</td>
<td>16 ga</td>
<td>.827 lbs.</td>
<td>45,000 PSI</td>
</tr>
<tr>
<td>3/4&quot; Sq.</td>
<td>Solid</td>
<td>1.914 lbs.</td>
<td>50,000 PSI</td>
</tr>
</tbody>
</table>

B. Rails - Made of hot-rolled structural steel, rolled into "U" channel measuring 1 3/8" wide x 1 1/2" deep x .120 wall thickness. Manufactured per ASTM A513 and hot-dipped galvanized per ASTM A525-G90.

C. Posts - Shall be hot-rolled structural steel. The wall thickness and weights are shown below. Tube shall be manufactured per ASTM A513. Tube shall be hot-dipped galvanized per ASTM A525-G90.

<table>
<thead>
<tr>
<th>Size</th>
<th>Wall Thickness</th>
<th>Wgt. Per Ft.</th>
<th>Tensile Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot; sq.</td>
<td>14 ga</td>
<td>2.164 lbs.</td>
<td>45,000 PSI</td>
</tr>
<tr>
<td>2 1/2&quot; sq.</td>
<td>14 ga</td>
<td>2.733 lbs.</td>
<td>45,000 PSI</td>
</tr>
<tr>
<td>3&quot; sq.</td>
<td>12 ga</td>
<td>4.286 lbs.</td>
<td>45,000 PSI</td>
</tr>
<tr>
<td>4&quot; sq.</td>
<td>12 ga</td>
<td>5.770 lbs.</td>
<td>45,000 PSI</td>
</tr>
</tbody>
</table>

D. Rail Attachment Brackets - Die cast of zink (ZAMAK #3 alloy) per ASTM B86-83Z 33521. Ball and socket design capable of 30° swivel (up/down-left/right). Bracket to fully encapsulate rail end for complete security that is aesthetically pleasing.

E. Finials (when required) - Cast gray iron with minimum 20,000 PSI. Hot-dipped galvanized per ASTM A153.

F. Rings (when required) - Cast aluminum per ASTM A319.

1.3 Assembly:
A. Sections shall be assembled using 2, 3, or 4 rails that are punched out to insert pickets through them. Pickets are riveted to rails using a 1/4" industrial drive rivet #MIW381080691.

B. Rails are attached to posts by means of rail brackets. Rail brackets are attached to posts using a 1/4" bolt and lock nut. Brackets are attached to the rails using 1/4" industrial drive rivets.

C. 4" Rings (when specified) are attached to top rail by inserting mounting blocks into top rail and riveting through side of rail using a 1/4" industrial drive rivet #MIW381030691. The bottom of ring is held in place by inserting dowel that protrudes from ring through predrilled hole in top of bottom rails (9" rings have mounting blocks at top and bottom and require two rivets).

D. Monumental finials are attached to pickets using a 1/4" industrial drive rivet #MIW381030691.

1.4 Coating:
Every Monumental Iron Works fence has a galvanized undercoat inside and outside all members to assure maximum corrosion resistance.

All fence components are then given a 4 stage “Power Wash” pre-treatment process that cleans and prepares the galvanized surface to assure complete adhesion of the finish coat.

Stage 1 - All metal is CLEANED and PHOSPHATE treated simultaneously to form an AMORPHOUS STRUCTURE on the galvanized surface for SUPERIOR POWDER COATING ADHESION.
Basic Specifications

1. All metal is given a thorough WATER RINSE to prepare the phosphate coated surface for the SEAL 
   (stage 3).

Stage 3 - All metal is given a NON-CHROMATED seal rinse, which further IMPROVES CORROSION 
RESISTANCE.

NOTE: NON-CHROMATED rinses are environmentally friendly.

Stage 4 - All metal is then baked dry, prior to the POWDER COATING being applied.

All metal is then given a polyester resin based powder coating applied by the electrostatic spray process, to a 
thickness of 2.5 (.0635 mm) mils. The finish is then baked in a 450 degree F (232° C) (metal temperature) oven 
for 20 minutes.

STANDARD COLORS - Black, White, Bronze, Green, Tan and Gray

Monumental Iron Works... Piers

Monumental Iron Works piers can be used in place of stone or brick columns or in place of any posts, including 
gate posts. MIW piers are available in three distinctive styles.

<table>
<thead>
<tr>
<th>Available With</th>
<th>Rose Pattern Style UU</th>
<th>Bent Branch Pattern Style VV</th>
<th>Oak Pattern WW</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot; sq. posts</td>
<td>13&quot; wide</td>
<td>12 1/2&quot; wide</td>
<td>13&quot; wide</td>
</tr>
<tr>
<td>2 1/2&quot; sq. posts</td>
<td>14&quot; wide</td>
<td>13 1/2&quot; wide</td>
<td>14&quot; wide</td>
</tr>
<tr>
<td>3&quot; sq. posts</td>
<td>15&quot; wide</td>
<td>14 1/2&quot; wide</td>
<td>15&quot; wide</td>
</tr>
<tr>
<td>4&quot; sq. posts</td>
<td>17&quot; wide</td>
<td>16 1/2&quot; wide</td>
<td>17&quot; wide</td>
</tr>
<tr>
<td>5&quot; sq. posts</td>
<td>21&quot; wide</td>
<td>20 1/2&quot; wide</td>
<td>21&quot; wide</td>
</tr>
<tr>
<td>6&quot; sq. posts</td>
<td>25&quot; wide</td>
<td>24 1/2&quot; wide</td>
<td>25&quot; wide</td>
</tr>
<tr>
<td>10&quot; sq. posts</td>
<td>29&quot; wide</td>
<td>28 1/2&quot; wide</td>
<td>29&quot; wide</td>
</tr>
</tbody>
</table>

UU

VV

WW

LAG BOLT

LAG BOLT, LEAD EXPANSION SHELF, 
6" INTO WALL MINIMUM

STANDARD RAIL SUPPORT 
BRACKET

BRICK COLUMN/WALL FENCE ATTACHMENT DETAIL
Monumental Iron Works...

A-3
Estate Style with Finial Tops, Curved Top, 4 Rails, 2 Rows Rings

D-3
Estate Style with Pressed Point Tops, Curved Top, 4 Rails, 2 Rows Rings

J-3
Imperial Style, Curved Top, 4 Rails, 2 Rows Rings

B-3
Estate Style with Finial Tops, Curved Top, 3 Rails, 1 Row Rings

E-3
Estate Style with Pressed Point Tops, Curved Top, 3 Rails, 1 Row Rings

K-3
Imperial Style, Curved Top, 3 Rails, 1 Row Rings

C-3
Estate Style with Finial Tops, Curved Top, 3 Rails

F-3
Estate Style with Pressed Point Tops, Curved Top, 3 Rails

L-3
Imperial Style, Curved Top, 3 Rails

Any of These finials may be used on a Finial Style Gates.
Single Swing Gates

M-3
Estate Style with Finial Tops, 4 Horizontal Rails, 2 Rows Rings

P-3
Estate Style with Pressed Point Tops, 4 Horizontal Rails, 2 Rows Rings

S-3
Estate Style with Finial Tops, Decorative Scrolls, Curved Top, 4 Rails, 2 Rows Rings

R-3
Estate Style with Pressed Point Tops, 3 Horizontal Rails

Q-3
Estate Style with Pressed Point Tops, 3 Horizontal Rails, 1 Rows Rings

T-3
Estate Style with Finial Tops, Decorative Scrolls, Curved Top, 3 Rails, 1 Row Rings

O-3
Estate Style with Finial Tops, 3 Horizontal Rails

U-3
Estate Style with Finial Tops, Decorative Scroll, Curved Top, 3 Rails

Flat Top Pickets may be substituted for Pressed Point pickets when needed.
Monumental Iron Works

A-4
Estate Style with Pressed Point Tops, Decorative Scrolls, Curved Top, 4 Rails, 2 Rows Rings

D-4
Imperial Style, Decorative Scrolls, Curved Top, 4 Rails 2 Row Rings

J-4
Estate Style with Finial Tops, Decorative Scrolls, 4 Horizontal Rails, 2 Rows Rings

B-4
Estate Style with Pressed Point Tops, Decorative Scrolls, Curved Top, 3 Rails, 1 Row Rings

E-4
Imperial Style, Decorative Scrolls, Curved Top, 3 Rails, 1 Row Rings

K-4
Estate Style with Finial Tops, Decorative Scrolls, 3 Horizontal Rails, 1 Row Rings

C-4
Estate Style with Pressed Point Tops, Decorative Scrolls, Curved Top, 3 Rails

F-4
Imperial Style, Decorative Scrolls, Curved Top, 3 Rails

L-4
Estate Style with Finial Tops, Decorative Scrolls, 3 Horizontal Rails
Single Swing Gates cont.

- Single, manually operated gates 3'0" opening thru 4'0" opening can be self closing and self latching.

- Accessories can be gold color or color to match gate.
Monumental Iron Works...

A-1
Estate Style with Finial Tops, Curved Top, 4 Rails, 2 Rows Rings

B-1
Estate Style with Finial Tops, Curved Top, 3 Rails, 1 Row Rings

C-1
Estate Style with Finial Tops, Curved Top, 3 Rails

D-1
Estate Style with Pressed Point Tops, Curved Top, 4 Rails, Rows Rings

E-1
Estate Style with Pressed Point Tops, Curved Top, 3 Rails, 1 Row Rings

F-1
Estate Style with Pressed Point Tops, Curved Top, 3 Rails

G-1
Imperial Style, Curved Top, 4 Rails, 2 Rows Rings

H-1
Imperial Style, Curved Top, 3 Rails, 1 Row Rings
Double Swing Gates

1-1
Imperial Style, Curved Top, 3 Rails

M-1
Estate Style with Finial Tops, 4 Horizontal Rails, 2 Rows Rings

P-1
Imperial Style, Curved Top, Decorative Scroll, 4 Rails, w/Rings

N-1
Estate Style with Finial Tops, 3 Horizontal Rails, 1 Row Rings

K-1
Imperial Style, Curved Top, Decorative Scroll, 3 Rails, 1 Row Rings

Any of these finials may be added to Finial Style Gates.

Spear
Ball
Fleur-de-lis

Flat Top Pickets may be substituted for Pressed Point pickets when needed.

Flat Top
Pressed Point
Double Swing Gates cont.

O-1
Estate Style with Finial Tops, 3 Horizontal Rails

S-1
Imperial Style, 4 Horizontal Rails, 2 Rows Rings

P-1
Estate Style with Pressed Point Tops, 4 Horizontal Rails, 2 Rows Rings

T-1
Imperial Style, 3 Horizontal Rails, 1 Row Rings

Q-1
Estate Style with Pressed Point Tops, 3 Horizontal Rails, 1 Row Rings

U-1
Imperial Style, 3 Horizontal Rails,

-1
Estate Style with Pressed Point Tops, 3 HorizontalRails
A-2
Estate Style with Finial, Decorative Scrolls, Curved Top
4 Rails, 2 Rows Rings

B-2
Estate Style with Finial Tops, Decorative Scrolls, Curved Top,
4 Rails, 1 Row Rings

C-2
Estate Style with Finial Tops, Decorative Scrolls, Curved Top,
3 Rails

E-2
Estate Style with Pressed Point Tops, Decorative Scrolls,
Curved Top, 3 Rails, 1 Row Rings

F-2
Estate Style with Pressed Point Tops, Decorative Scrolls,
Curved Top, 3 Rails

G-2
Imperial Style, Decorative Scrolls, Curved Top, 4 Rails,
2 Rows Rings

H-2
Imperial Style, Decorative Scrolls, Curved Top, 3 Rails,
1 Row Rings
Double Swing Gates cont.

1-2
Imperial Style, Decorative Scrolls, Curved Top, 3 Rails

M-2
Estate Style with Finial Tops, Decorative Scrolls,
4 Horizontal Rails, 2 Rows Rings

L-2
Imperial Style, Decorative Scrolls, Curved Top, 4 Rails,
Rows Rings

N-2
Estate Style with Finial Tops, Decorative Scrolls,
3 Horizontal Rails, 1 Row Rings

K-2
Imperial Style, Decorative Scrolls, Curved Top, 3 Rails,
1 Row Rings

O-2
Estate Style with Finial Tops, Decorative Scrolls,
3 Horizontal Rails

P-2
Imperial Style, Decorative Scrolls, Curved Top, 3 Rails

Estate Style with Pressed Point Tops, Decorative Scrolls,
4 Horizontal Rails, 2 Rows Rings
Q-2
Estate Style with Pressed Point Tops, Decorative Scrolls, 3 Horizontal Rails, 1 Row Rings

U-2
Imperial Style, Decorative Scrolls, 3 Horizontal Rails

R-2
Estate Style with Pressed Point Tops, Decorative Scrolls, 3 Horizontal Rails

When added to any Imperial Style Gate this attractive Monumental Top Scroll adds Charm and elegance.

S-2
Imperial Style, Decorative Scrolls, 4 Horizontal Rails, 2 Rows Rings

1 Style, Decorative Scrolls, 3 Horizontal Rails, Rings
Why is the Monumental Iron Works cantilever slide gate superior to any other available today? Quite simply, our innovative enclosed roller trucks make MIW cantilever slide gates operate smoothly year-after-year. In fact, your entire MIW cantilever slide gates carry a 5-year guarantee against any defect in material or manufacturing. Who else is that confident?

Monumental Iron Works cantilever slide gates provide more usable space than swing gates, and they are readily adapted to any type of automatic electric operation. Standard MIW cantilever slide gates are as large as 50 foot single or 100 foot double openings. We make them even wider by special design.

Our patented, anti-friction, factory lubricated and sealed roller bearing truck assembly scidom needs maintenance. Its unique construction protects the assembly from dirt and debris. The gate is supported entirely at the top gate frame member. There is no need for ground level wheels that are frequently a source of operating problems.

Monumental's cantilever slide gates are safe. Because the trucks are enclosed, there are no moving wheels that can crush fingers or hands of playful children of any age.

The one-piece track/frame member is a thick walled extrusion of corrosion resistant aluminum. It is sturdily and securely welded into the all-aluminum frame to serve as the horizontal top rail of the gate with the adjoining track becoming an integral part of the frame. The track cannot get out of alignment.

The welded construction of the gate frame, with all members fabricated from square, 100% aluminum alloy framing, provides the highest strength-to-weight ratio of any gate construction.

**AN INSIDE VIEW OF HOW THEY WORK**

**Single Gates**
- from 3/8" to 2 1/8" opening
- Double Gates from 3/8" to 4 1/2" opening

**Single Gates**
- from 2 1/2" to 3 1/2" opening
- Double Gates from 4 1/2" to 6 1/2" opening

**Single Gates**
- from 10 1/2" to 12 1/2" opening
- Double Gates from 16 1/2" to 20 1/2" opening

**Single Gates**
- from 41 1/2" to 50 1/2" opening
- Double Gates from 61 1/2" to 100 1/2" opening
Cantilever Slide Gates

The principle of exclusive Monumental Iron Works Cantilever Slide Gates

The size of the driveway opening between gate posts designates the reference size of a cantilever gate (a 20' opening takes a 20' gate). However, to use the cantilever principle, an extra section, which contains no pickets, requires that the corresponding footage along the fence line must be available to allow the gate to open fully. MIW's added section, however, is shorter than the overhanging of any other free hanging gate on the market.

One roller bearing truck assembly is mounted on the gate post that supports the gate. A second roller bearing truck assembly is mounted on a second post (overhang post) which is placed at a specified distance down the fence line. The distance varies with the size of the overhang which, in turn, varies with the size of the gate.

The track section of the top frame member of the gate is slid over both these truck assemblies. The gate is adjusted for proper operation and stops are installed to stop the gate at the exact positions required.

The weight of the gate is distributed depending upon the position of the gate. The ball bearing truck assemblies sometimes bear against the top part of the track and at other positions bear against the bottom part of the track.

With this exclusive MIW arrangement, no wheels or supports of any kind are required on the bottom of the gate (just guides on the bottom of the posts to keep the gate from swinging).

Thus, MIW Cantilever Slide Gates can be passed over any surface. This is an exception when required to pass over unpaved or uneven driveways, railroad tracks, etc.

Our track doesn't bolt on. It's part of the frame.

More than 30 years ago, Monumental Iron Works engineering team developed the enclosed track, with internal roller, cantilever slide gate. The gate was truly an accomplishment, far ahead of its time.

Today, some companies with little or no engineering experience are copying what they think they see; unaware of what really makes the Monumental Iron Works gate operate properly. Don't fall prey to an unproven look alike. Demand a genuine Monumental Iron Works gate. It works right every time. We guarantee it!

- Monumental Iron Works track and top frame member is a one-piece aluminum extrusion made of high tensile strength alloy (6063-T6).
- Similar gates manufactured by others are often made by bolting an aluminum track to a steel frame gate. Since aluminum and steel have different coefficients of expansion, this can cause warping.
- The Monumental Iron Works Cantilever Gate is a welded aluminum frame that is not subject to loose bolts or warpage.

Plain Top  Pointed Top  Finial Top  Curved Top with Ball & Rings

Factory lubricated and sealed roller bearings enclosed in the one-piece track/frame member provided practically maintenance free performance.

Note how the vertical member of the gate is securely welded to the one piece track/frame member. The track cannot get out of alignment.

Rollers are inside one piece enclosed track and frame extrusion. This eliminates ice-snow-dirt-sand and similar problems.
ACCESSORIZE TO CREATE A WORK OF BEAUTY

MIW #6 A 2
This beautiful scroll is called "Twisted Branches". It is 4" wide and therefore can be installed between the pickets of any Monumental Iron Works' gate or fence. It will add a charm previously unattainable in these types of ornamental picket fences.

We recommend this style especially for gate panels under 5' in width.

MIW 617 F
This attractive Florentine Circle design will add distinction to any ornamental picket gate. Used alone or in combination with the vertical scrolls shown above.

MIW #75
This distinctively beautiful Monumental Rose pattern adds an air of beauty seldom seen in fencing today. This 8" wide pattern fits nicely between alternate pickets. (The intermediate picket is eliminated.)

This style looks best in gates wider than 5' or double gates 10' and wider.

MIW 3 LK
Add your monogram to personalize any Monumental Iron Works gate.

These items as well as the rings and finials may be coated to match the fence or they may be gold color.