



SUITABLE FOR: • SCHOOLS • APARTMENT COMPLEXES • MULTI-FAMILY • RETAIL
• CHURCHES • HOUSING SUBDIVISIONS • CEMETERIES

SECURE

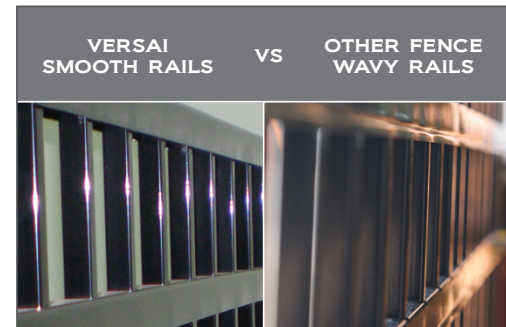
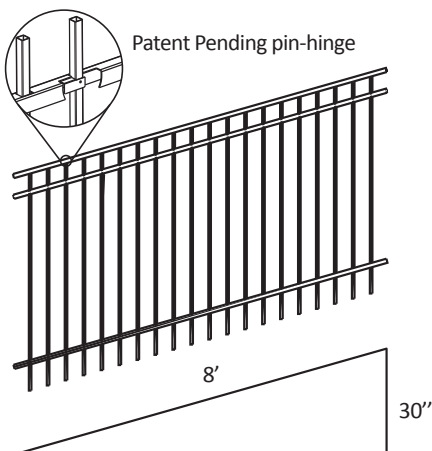
- Rigid welded steel construction
- Adjusts to the most aggressive landscape
- Stronger rail strength

DURABLE

- Architectural Grade E-Coat and Powder Coat
- UV inhibitors reduce fading over time
- Virtually maintenance free

STYLE

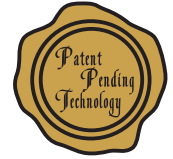
- Smooth rails without sag or rivets
- Matching walk and drive gates
- Variety of styles and custom options





V2

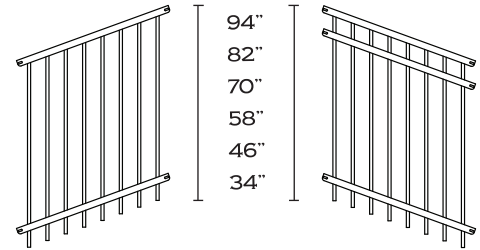
COMMERCIAL ORNAMENTAL FENCE PANEL STYLES



FLAT TOP (FT) | 2 & 3 RAIL



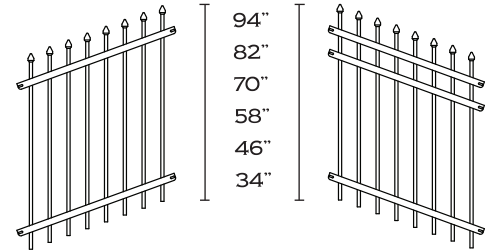
HEIGHT: 34", 46", 58", 70", 82", 94"
 PANEL LENGTH: 90.5" FOR 95" ± 1" OC POST SPACING
 STANDARD WALK GATE OPENING: 4'
 STANDARD DRIVE GATE OPENING: 8' SINGLE LEAF
 RAIL: 1-9/16" X 1-3/16", 14GA
 3/4" PICKET: 34", 46", 54", 70" - 16GA / 82", 94" - 14GA
 STANDARD MATCHING GATES AND CUSTOM GATES AVAILABLE



PRESSED SPEAR (SP) | 2 & 3 RAIL



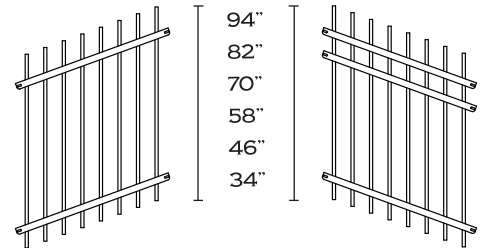
HEIGHT: 34", 46", 58", 70", 82", 94"
 PANEL LENGTH: 90.5" FOR 95" ± 1" OC POST SPACING
 STANDARD WALK GATE OPENING: 4'
 STANDARD DRIVE GATE OPENING: 8' SINGLE LEAF
 RAIL: 1-9/16" X 1-3/16", 14GA
 3/4" PICKET: 34", 46", 54", 70" - 16GA / 82", 94" - 14GA
 STANDARD MATCHING GATES AND CUSTOM GATES AVAILABLE



EXTENDED PICKET (EXT) | 2 & 3 RAIL



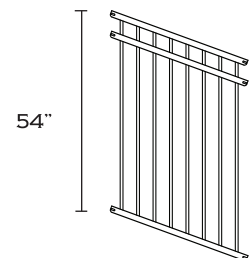
HEIGHT: 34", 46", 58", 70", 82", 94"
 PANEL LENGTH: 90.5" FOR 95" ± 1" OC POST SPACING
 STANDARD WALK GATE OPENING: 4'
 STANDARD DRIVE GATE OPENING: 8' SINGLE LEAF
 RAIL: 1-9/16" X 1-3/16", 14GA
 3/4" PICKET: 34", 46", 54", 70" - 16GA / 82", 94" - 14GA
 STANDARD MATCHING GATES AND CUSTOM GATES AVAILABLE



POOL PANEL (PL) | 3 RAIL



HEIGHT: 54"
 PANEL LENGTH: 90.5" FOR 95" ± 1" OC POST SPACING
 STANDARD WALK GATE OPENING: 4'
 STANDARD DRIVE GATE OPENING: 8' SINGLE LEAF
 RAIL: 1-9/16" X 1-3/16", 14GA
 3/4" PICKET: 54" - 16GA
 STANDARD MATCHING GATES AND CUSTOM GATES AVAILABLE

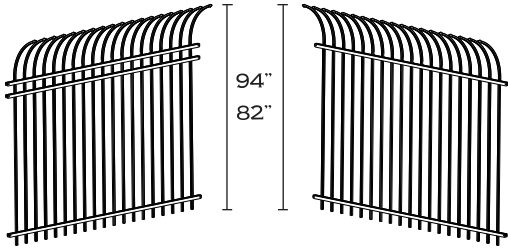


V2

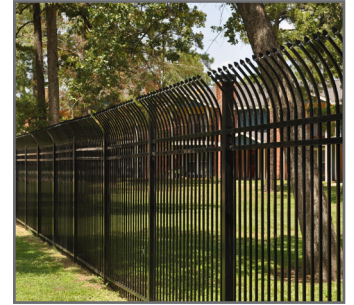
COMMERCIAL ORNAMENTAL FENCE BRACKETS & GATE STYLES



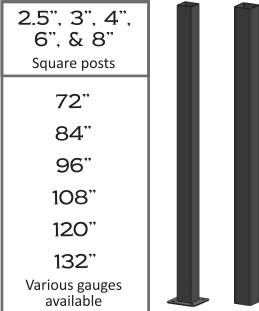
2 & 3 RAIL | CURVED TOP (CT)



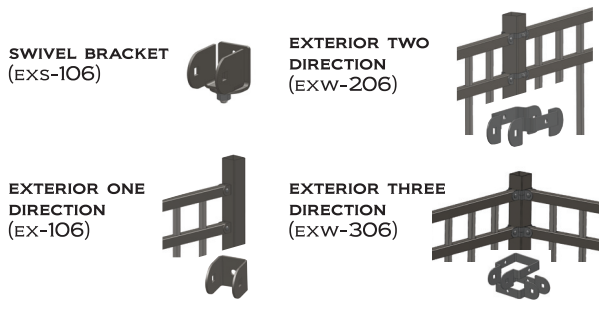
HEIGHT: 82", 94"
 PANEL LENGTH: 90.5" FOR 95" ± 1" OC POST SPACING
 STANDARD WALK GATE OPENING: 4'
 STANDARD DRIVE GATE OPENING: 8' SINGLE LEAF
 RAIL: 1-9/16" X 1-3/16" 14GA
 3/4" PICKET: 14GA
 STANDARD MATCHING GATES AND CUSTOM GATES AVAILABLE



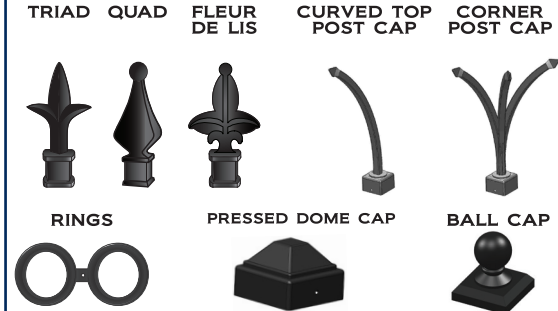
POSTS



BRACKETS

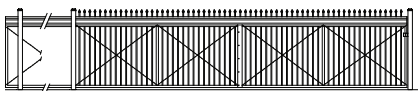


ACCESSORIES

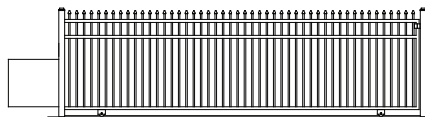


CUSTOM FABRICATION

Fortress Fence Products is proud to offer a full range of custom fabricated gates and panels to meet any project needs. With its own custom fabrication facility, there is a dedicated staff to help design any gate or panel to individual specification and style. Fortress Custom Fabrication is also available in a broad range of premium finishes. Carrying up to a 5-year limited manufacturer warranty, Fortress Custom Fabrication manufactures to a standard of pre-galvanized and premium powder coated steel to provide gates and panels that will withstand the elements. For assistance with developing custom gates or panels, information about custom colors and pricing, please contact us at 1.866.323.4766 or specifications@fortressfence.com.



CANTILEVER GATES
 STANDARD UP TO
 40' OPG X 10' HEIGHT



V-TRACK ROLL GATES
 STANDARD UP TO
 40' OPG X 10' HEIGHT



SWING GATES
 STANDARD SINGLE SWING UP TO
 18' OPG X 10' HEIGHT

HOW TO SPECIFY

SP 3 - V2 - 70" - COM - 90.5

Panel Style	Number of Rails	Model	Panel Height	Grade	Panel Length
SP - Pressed Spear	3	V2	70"	Commercial	90.5"
FT - Flat Top	2		46" 82"		
EXT - Extended Picket			54" 94"		
PL - Pool Panel			58"		
CT - Curve Top					



3 PART SPECIFICATION

PART 1 GENERAL

1.01 SECTION INCLUDES:

Ornamental rackable welded steel fence system.

1.02 RELATED SECTIONS:

Section 0503___ Metal Finishes
Section 0330___ Cast in Place Concrete
Section 0420___ Unit Masonry
Section 3130___ Earthwork
Section 3231___ Paving and surface improvements

1.04 REFERENCES:

ASTM-F593-02e2___ Stainless Steel Fasteners
ASTM A500___ Seamless Grade A metal tubing
ASTM A123___ Hot dip electroplating
ASTM E935___ Cone Penetration test (Method D)
In-fill Load Test (Method C)
Vertical Concentrated Load Test (Method B)
Horizontal Load Test (Method A)
ASTM B117-97___ Salt Spray Corrosion test
AC174-Section 4.2.2 In-Fill Load Test
Section 4.2.3 Uniform Load Test
Section 4.2.4 Concentrated Load Test
ICBO UBC-97___ Quality standards
BOCA___ National Building Codes

1.05 WARRANTY

Fortress Fence Products COMMERCIAL VERSAI (V2) products include a 20-year limited warranty, from the date of purchase, for defects in material and workmanship, including protection against cracking, peeling, blistering and corrosion (rusting). Refer to 20 Year Warranty Sheet.

PART 2 PRODUCTS

2.01 MANUFACTURER

Fortress Fence Products
1800 Jay Ell, Suite 200
Richardson, Texas 75081
Phone: 866-323-4766 Fax: 972-644-3720
Website: www.fortressfence.com

2.02 MATERIALS

Rails are grade A cold rolled steel formed u-channel and pickets are grade A cold rolled steel formed and welded tubing, both conforming to ASTM A500 with G60 zinc coating (0.60 oz/sqft) total inside and outside surfaces in accordance with the ASTM A123 hot dipped electroplating process. Materials also conform to ASTM E935 testing (Methods A, B, C and D) and load testing in accordance with AC174 (Sections 4.2.2, 4.2.3 and 4.2.4).

2.03 COMPONENTS

Rails: 14-gauge formed u-channel ASTM 500 galvanized steel, 1-9/16-inch Leg X 1 3/16 inch web.
Pickets: 16-gauge ASTM A500 galvanized welded and formed steel tubing for 4' 5' & 6' tall panels, 14-gauge ASTM A500 galvanized welded and formed steel tubing for 7' & 8' tall panels 3/4-inch square.
Posts: 12, 14 & 16-gauge 2 1/2-inch square ASTM A500 galvanized formed and welded steel tubing with powder coated factory finish. Post caps can be nylon or pressed steel dome cap.
Fasteners: All nuts, bolts and self-drilling screws are stainless steel conforming to ASTM F593-02e2 standard.

2.04 STYLE

Fortress Fence Products Commercial Versai (V2) Fence is made in five (5) styles: Flat Top, Extended Bottom (FT), Extended Top, Extended Bottom (EXT), Spear Point Top, Extended Bottom (SP), Flat Top, Curved Top Extended Bottom (CT) and Flat Bottom (PL) for swimming pool installations.

2.05 FABRICATION

- A. Commercial Fence panels are fabricated in standard length of 90 1/2" and standard heights of 46", 58", 70", 82" and 94" except for the PL panel which is 54" in height to meet Swimming Pool codes. All fence panels comply with all construction.
- B. All welded connections comply with AWS standards for recommended practice in shop welding.
- C. All components are accurately cut and drilled to receive hardware, fasteners and accessories.

2.06 FINISH

- A. Metal parts are assembled and finished individually prior to shipment.
- B. Galvanized steel fence components are cleaned with a non-petroleum solvent followed by the application of a sealing zinc phosphate coating.
- C. Immediately after sealing, a two-step finishing process consisting first of an electrostatic dipping process in a lead free high corrosion resistant epoxy resin leaving a coating of approximately 20 microns followed by a thermosetting carboxyl polyester resin top coat with a minimum dry film thickness of 60 to 70 microns. The second coating will be applied by the electrostatic spray process.

PART 3 EXECUTION

3.01 PREPARATION

Stake layout showing locations of all gates and posts. Contact "CALL BEFORE YOU DIG" prior to beginning any excavation work.

3.02 INSTALLATION

- A. Install fences in accordance with written instructions and in accordance with authorities having jurisdiction.
- B. Concrete Set Posts: Drill hole in firm soil. Posts holes will be a minimum of 24 inches deep with a minimal diameter of 8 inches. Fence post (2 1/2") shall be spaced 94"-96" on-center to accommodate installation of brackets on 2 1/2" post.
- C. Installation is to conform to the specifications referenced in Section 1.02 of this specification.
- D. Install Fortress brackets onto fence section and posts as indicated in printed instructions for specific fence style. Attach fence sections to brackets with approved fasteners and techniques to insure that fence sections are parallel to grade within 1/4-inch in 12 feet.
- E. Gate Installation: Install in accordance with printed instructions. Do not mount gate from wall of a structure. Provide gate post on both sides of a gate. For double drive gate installation, provide concrete center drop to foundation depth and drop rod retainers at center. Lubricate to insure smooth operation and verify proper latch operation.

3.04 CLEANING

- A. Remove all cutting and drilling chips that are attached to the fence, post, brackets or additions to prevent corrosion.
- B. Repair scratches and other installation-incurred damage. Using a spray paint of the appropriate color that includes a zinc additive, repaint and seal any scratches or holes drilled in the fencing, post, brackets, or additions to prevent rust from forming.
- C. Clean up debris and unused material, and remove from site.

WARRANTY



Fortress Fence Products manufactures fence systems using the finest in materials and coatings with FortressShield to bring you the most beautiful, strong, and durable fence system on the market.

All fence components manufactured by Fortress Fence Products and coated with FortressShield are warranted against workmanship for 20 years from the original purchase date as shown on the receipt.

For a full warranty statement or more information, please contact customer service at 1.866.323.4766 or visit our website at www.fortressfence.com.

