



Ornamental Picket Cantilever Slide Gates
Section 32 31 19
(For Gates up to 8' high)

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Ornamental picket slide gates with 8 bearing internal rollers.

1.02 SUBMITTALS

- A. Changes in specification may not be made after the published date of bid. All submittals of substitutions must be approved before bid date.
- B. Shop Drawings of fences and gates with all dimensions, details, and finishes. Drawings must include post foundations.
- C. Product Data: Manufacturer's catalog indicating materials and a letter certifying that all conditions of the specifications have been met.

PART 2 PRODUCTS

2.01 MANUFACTURER

- A. Products from other qualified manufacturers who have five years or more experience manufacturing ornamental picket cantilever slide gates with internal rollers will be considered by the architect as equal if they meet all specifications for design, size gauge of metal parts and fabrication.
- B. Picket fences and gates must be obtained from a single source.
- C. Approved Manufacturers: Iron World, Howard County, MD
Phone 301-776-7448
Fax 301-776-7449
www.ironworldfencing.com

2.02 INTERNAL ROLLER ALUMINUM CANTILEVER SLIDE GATE

- A. Gate Frame: Gate to be made of Aluminum Alloy 6063-T6. All square members are 2"sq. weighing 0.94 lb/ft. ASTM B221. Complete frame welded to top one piece track and top frame member. Supply 2 each 8 bearing truck assemblies that are swivel type. The overhang shall be a minimum of 40% of opening size.

Iron World Standard Opening	Iron World Standard Support Overhang
6' 0" through 10' 0"	6' 6"
11' 0" through 14' 0"	7' 6"
15' 0" through 22' 0"	10' 0"
23' 0" through 30' 0"	12' 0"
31' 0" through 35' 0"	16' 0"
36' 0" through 40' 0"	16' 0"

For gates 23'0" to 30'0" an additional horizontal rail shall be welded adjacent to the top member of the gate and a 2" x 4" bottom rail shall be used weighing 1.71 lbs/ft. Gates 31'0" to 40'0" shall have dual top tracks welded together to form a single top member; the bottom rail shall be 2" x 4" weighing 1.71 lbs/ft. top tracks require two additional truck assemblies. For gates over 40'0" try our box frame easy glider. For more information call Iron World 301-776-7448.

B. Interior Horizontal Rails: Aluminum "U" channels 1" wide by 1½" high, 11 gauge metal thickness. Rails must be punched to receive pickets and rivets. Rails welded inside vertical external uprights. Pickets are 1" sq aluminum. Pickets riveted to "U" channel using 1/4" industrial drive rivets. All pickets to be welded to horizontal members.

1. Bracing: Provide diagonal adjustable length truss cable to prevent sagging. One cable in each direction per 8' maximum of gate length.

2. Double gates consist of 2 each of the above gate panels.

C. Easy glider is an enclosed combination track and top rail aluminum extrusion weighing 3.72 lb/ft. It will withstand a 2,500# reaction load.

D. Truck assembly is a swivel type with a galvanized steel base unit and 8 lubricated and sealed ball bearing rollers. Each roller is 2" in diameter and 9/16" in width. The truck shall have 2 galvanized steel side rollers to assure alignment in track. Truck assemblies are held to post brackets using a 1/2" galvanized bolt. Truck assembly to withstand 2,500# reaction load. Brackets to withstand a 5000# reaction load.

E. Gate post brackets, latch and keepers are galvanized steel.

F. Gate post are 4"sq. weighing 5.77 lb/ft.

G. Single gates with single tracks require 3 gate posts (1 latch post and 2 support posts). Single gates with dual tracks require 5 gate posts (1 latch post and 2 dual support posts). Double posts require twice the number of support posts but do not have a latch post.

H. Finish: All metal substrate is given TGIC polyester powder coated finish applied by the electrostatic spray process to a minimum thickness of 3 mils. The polyester finish is cured in 450 degree temperature for approx. 20 minutes. Gates to be coated after all welding is completed.

PART 3 EXECUTIONS

3.01 POST INSTALLATION

- A. Install posts per manufacturer's recommendation.
- B. Set posts in concrete. Dig holes having a diameter 4 times the diameter of the posts and 6" deeper than the bottom of the posts. Forms are not necessary or recommended. Crown concrete at top to shed water (except for tennis courts). Posts should be set a minimum depth of 36" for all cantilever gates.

3.02 GATE INSTALLATION

- A. Install gate: Make sure that gate rolls free of binding.
- B. Attach latch and make sure that gate is received by latch in a secure manner.

3.03 CLEANING

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