

**ARCHITECTURAL SPECIFICATION**  
**MSG-1 Full Height Security Gate****SECTION 11 14 00 – Pedestrian Control Equipment****PART I – GENERAL****1.01 SECTION INCLUDES**

- A. This section covers the furnishing and installation of an MSG-1 gate with a 48" opening.
- B. For further information, contact Alvarado at +1 909.591.8431, or email [information@alvaradomfg.com](mailto:information@alvaradomfg.com).

**1.02 QUALITY ASSURANCE**

- A. Manufacturer shall be a company specializing in the manufacture of security gates for a minimum of 10 years.
- B. Installer shall have at least one year experience installing similar equipment, or shall supply a factory representative during installation of the product.

**1.03 SUBMITTALS**

- A. Submit manufacturer's descriptive literature for specified equipment, including options.
- B. Provide, upon request, site specific drawings showing product placement.
- C. Provide installation and operation manuals.

**1.04 DELIVERY, STORAGE AND HANDLING**

- A. Deliver materials to job site in manufacturer's packaging undamaged, complete with installation instructions.
- B. Store off ground, under cover, protected from weather, construction activities and debris.
- C. Use forklift, pallet jack or equivalent equipment for moving.

**1.05 PROJECT/SITE CONDITIONS**

Install on a level concrete pad. Secure to adjacent fencing, turnstile or similar solidly anchored equipment.

**1.06 WARRANTY**

Alvarado warrants its products against defects in material and workmanship for a period of one (1) year from the date of invoicing. The warranty covers defects in materials and workmanship. Obtain full warranty terms from Alvarado.

**PART II – PRODUCTS****2.01 MANUFACTURER**

Alvarado Mfg. Co., Inc. 12660 Colony Street, Chino, CA 91710.

**2.02 PRODUCT**

MSG-1 Full Height Security Gate, no substitutions. Features of the gate shall include: key lock control with stainless steel pull handle in the entry direction; mechanical push bar exit control (Von Duprin Model 98EOUS28); gate to include mesh infill and a hydraulic closure mechanism, Norton Model #7500.

**2.03 CONSTRUCTION**

- A. Gate:
  - 1. The Gate is a fully welded assembly consisting of 2" x 3" vertical and 2" x 5" horizontal structural steel tubing. Vertical infill bars of 1.5" square tubing are spaced evenly across the width of the gate.
- B. Gate Frame:

1. The Gate Frame is a fully welded assembly consisting of 2" square vertical and 2" x 5" horizontal structural steel tubing. The frame includes two welded .25" thick base plates for mounting to a concrete slab.
- C. Infill Mesh:
  1. Infill mesh is added to the upper and lower portions of the gate.
- D. Hydraulic Closure:
  1. The hydraulic gate closure mechanism is a Norton Model #7500.

## **2.04 EQUIPMENT**

- A. General: The gate provides key lock control on the entry side and a mechanical push bar on the exit side.
- B. Mechanical Operation:
  1. Mechanical operation is provided by key lock control (entry) and the Von Duprin Model 98EOUS28 mechanical push bar (exit).

## **2.05 SECURITY EQUIPMENT**

- A. Reader Integration: The gate does not support the use of card readers or activation device integration.

## **2.06 FINISHES**

*(NOTE TO SPECIFIER: Select the finish desired)*

- A. Stainless Steel: The gate is fabricated from #304 stainless steel material, polished to a satin (#4) finish.
- B. Hot-Dip Galvanized: The gate is fabricated from steel and then hot-dip galvanized to ASTM Standard A 123/A 123M-02.
- C. Powder Coat over Galvanized: The gate is fabricated from steel, hot-dip galvanized and then painted in a powder coat color specified by the project requirements.

## **2.07 OPTIONS**

- A. Magnetic Gate Status Switch: When the gate opens, magnetic contacts are broken which signals that the gate is open.
- B. Kickplate: A kickplate is added to both sides of the gate.

## **2.08 FACTORY TESTING**

- A. Product shall be fully tested at the factory prior to shipment.
- B. Inspect product finish. Touch up prior to shipment.

## **PART III – EXECUTION**

### **3.01 SITE EXAMINATION**

- A. Inspection: Installer must examine the installation location and advise the Contractor of any site conditions inconsistent with proper installation of the product. Installation shall not begin until unacceptable conditions are rectified. These conditions include but are not limited to the following:
  1. Gate must be installed on a level concrete pad.
- B. Installation: Install in accordance with manufacturer's instructions and secure to adjacent solidly anchored structure or equipment.
- C. Adjustment: Adjust gate closure after installation.
- D. Instruction: A factory trained installer shall demonstrate to the owner's maintenance crew, or designated representative, the proper operation and the necessary service requirements of the equipment, including exterior maintenance.
- E. Cleaning: Clean gate and area carefully after installation to remove excess caulk, dirt and labels.

**Note: Alvarado Mfg. Co., Inc. reserves the right to change this specification at any time without notice.**