

**ARCHITECTURAL SPECIFICATION**  
**MSGX-S 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 MSGX-S 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**

MSGX-S Full Height Security Gate, no substitutions. Features of the gate shall include: stainless steel pull handle in the entry direction; 12 VDC, electric strike lock; no door hardware in the exit direction 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. Hydraulic Closure:

1. The hydraulic gate closure mechanism is a Norton Model #7500.

## 2.04 EQUIPMENT

- A. General: The gate shall have the ability to provide controlled passage in one or both directions.

B. Electric Lock Control:

1. Electric Strike Lock: Power (low voltage 12VDC) is supplied to the lock to release the mechanism, allowing the gate to open. Power is interrupted to allow the strike to revert to the locked position.

## 2.05 SECURITY EQUIPMENT

- A. Reader or Activation Device Integration: Card readers or activation devices are to be installed in the field by installer on the card reader attachment assembly provided as an option by the manufacturer. Readers and installation are not part of the product.

## 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. Infill Mesh: An infill mesh with a diamond pattern is added to the upper and lower interior sections of the gate.
- B. Kickplate: A kickplate is added to both sides of the gate.
- C. Magnetic Door Status Switch: When the gate opens, magnetic contacts are broken which signals that the gate is open.
- D. Card Reader Plate: An adapter arm and card reader plate is added to one or both sides of the gate.
- E. 220VAC: A 220 VAC, 50-60 Hz power supply is substituted for the standard 110VAC power supply.
- F. Push Button Assembly: A 3.15" square stainless steel assembly containing a push button switch.

## 2.08 FACTORY TESTING

- A. Product shall be fully tested at the factory prior to shipment.
- B. Check all mechanical connections.
- C. Check all electrical connections.
- D. 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.
  2. Power and control wiring to come from ground through appropriate conduit, per manufacturer direction, or via alternate methods if manufacturer is contacted and approves.

- 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.**