

ARCHITECTURAL SPECIFICATION**VSGX-1 Pedestrian Gate with Electric Lock**

(NOTE TO SPECIFIER, SELECT PRODUCT MODEL DEPENDING ON DESIRED INFILL)

AVAILABLE FINISHES**VSGX-1 – Infill Bars****VSGX-1 – Clear Panel Infill****SECTION 11 14 00 – Pedestrian Control Equipment****PART I – GENERAL****1.01 SECTION INCLUDES**

- A. This section covers the furnishing and installation of a VSGX-1 pedestrian gate with electric lock control and 36" opening.
- B. For further information, contact Alvarado at +1 909.423.4143, or email 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

Alvarado VSG-1 Pedestrian Gate, no substitutions. VSG Self-Closing Pedestrian Gate, no substitutions. Features of the gate shall include: single direction passage; 36" passage width, 12 VDC, 600 lb. holding force magnetic lock and hydraulic self-closing.

2.03 CONSTRUCTION

A. Gate:

1. The Gate is a fully welded assembly consisting of 2" x 2" square stainless steel tubing with an 8" high kickplate on both sides of the gate. The gate is ordered with square stainless steel infill bas, evenly spaced across the width of the gate, or a clear acrylic panel held in place with glass clips.

B. Hinge Post and Latch Post:

1. The Hinge Post and Latch Post are 2.5" x 2.5" square stainless steel tubing. The posts have a square base plate for anchoring and stainless steel base covers to hide anchoring bolts.

2.04 EQUIPMENT

A. General: The gate shall have the ability to provide controlled passage in a single direction.

B. Electric Lock Control:

1. Magnetic Lock: As long as power (low voltage 12VDC) is supplied, the latch plate (mounted on the gate) is held against the magnetic lock (mounted on the gate frame) When power is interrupted, the latch plate releases from the magnetic lock, allowing the gate to be opened.

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. Powder Coat over Stainless Steel: The gate is fabricated from #304 stainless steel and then painted in a powder coat color specified by the project requirements.

2.07 OPTIONS

A. Railing Outlets: Railing outlets can be added to the hinge post and/or latch post to accept Alvarado 1.75"OD railing.

B. Magnetic Door Status Switch: When the gate opens, magnetic contacts are broken which signals that the gate is open.

C. Card Reader Plate: An adapter arm and card reader plate is added to one or both sides of the gate.

D. 220VAC: A 220 VAC, 50-60 Hz power supply is substituted for the standard 110VAC power supply.

E. Push Button Assembly: A 3.15" square stainless steel assembly containing a push button switch.

F. Push Bar: A switch activated push bar is wired into the magnetic lock and when depressed, unlocks the magnetic lock.

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.