



**ARCHITECTURAL SPECIFICATION**  
**SW500 Motorized Pedestrian Gate**  
**SW500T Tandem Motorized Pedestrian Gate Set**

*(NOTE TO SPECIFIER: Select product model depending on desired panel height)*

**AVAILABLE PRODUCTS**  
**SW500 – Single Gate**  
**SW500T– Tandem Gate Set**

**SECTION 11 14 00 – Pedestrian Control Equipment**

**PART I – GENERAL**

**1.01 SECTION INCLUDES**

- A. This section covers the furnishing and installation of an SW500 motorized pedestrian gate.
- B. For further information, contact Alvarado at +1 909.423.4143, or email [information@alvaradomfg.com](mailto:information@alvaradomfg.com).

**1.02 REFERENCES**

- A. CE marked in accordance with appropriate European Directives.

**1.03 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.

**1.04 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.

**1.05 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.

**1.06 PROJECT/SITE CONDITIONS**

Install on a level floor.

**1.07 WARRANTY**

Alvarado warranties 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 SW500 motorized pedestrian gate, no substitutions. Features of the gate shall include: motorized bi-directional movement; motion sensor opening in a single direction; 36" passage width; user adjustable barrier cycle and dwell times; emergency override/fire alarm input.

**Note: Owner - before installing the SW500, have the proposed location, layout and application approved by Alvarado's internal technical support department. Specific layout parameters must be followed for proper motion detector activation.**

## 2.03 CONSTRUCTION

### A. Post:

1. The post is a 6" OD (152mm) cylindrical assembly fabricated from #304 stainless steel. The post has an injection molded black top cap made from ABS.

### B. Internal Frame:

1. A powder coated internal steel frame houses electronics, motor, power supply and mechanical components.

### C. Gate Arm:

1. The gate arm is 1.5" OD (38mm) bright chrome plated steel tubing.

## 2.04 EQUIPMENT

- A. General: The gate shall have the ability to provide (1) single direction passage motion detection or (2) single direction activation using a push button or similar device, routinely installed at an attendant desk. In single direction passage with motion detector activation, as persons move toward the gate in the activation direction, the gate opens automatically, remains open for the user defined dwell time. If additional motion is detected while the gate is open the gate remains open for an additional dwell time cycle.

## 2.05 SECURITY EQUIPMENT

- A. Reader or Activation Device Integration: Activation devices (push buttons) are to be installed in the field by installer. Activation devices are not part of the product and there is no room to install such devices on the gate. Alvarado offers pedestals for attachment of activation devices, or such devices can be installed at a guard or attendant station.

## 2.06 FINISHES

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

- A. Satin Stainless Steel: The post is fabricated from #304 stainless steel material, polished to a satin (#4) finish.
- B. Powder Coat over Stainless Steel: The post is fabricated from #304 stainless steel and then painted in a powder coat color specified by the project requirements.

## 2.07 OPTIONS

- A. Tandem Gate Set (SW500T): The SW500 is available as a tandem gate set consisting of two gates that operate in tandem. Posts are on either end with panels facing inward. The SW500T provides approximately double the passage opening as an SW500.
- B. Alternate Finishes: The stainless steel post can be powder coated in one of Alvarado's many available colors. Mirror polished stainless steel is also available.
- C. 220VAC: A 220VAC, 50 Hz power supply and appropriately rated on/off switch is utilized.
- D. Railing Integration: Alvarado post and railing can be integrated with the SW500. Alvarado can provide layout assistance.
- E. Clear Cast Acrylic Panel: A clear cast acrylic panel replaces the steel tubing gate arm. The acrylic barrier is fabricated from 0.5" (13mm) thick cast acrylic with an abrasion resistant coating. Panels can be etched with corporate logos or other artwork.

## **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 the gate after installation following the manufacturer's directions.
- 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.**