



ARCHITECTURAL SPECIFICATION

W - Queuing Turnstile

SECTION 11 14 00 – Pedestrian Control Equipment (Gates/Turnstiles)

PART I – GENERAL

1.01 SECTION INCLUDES

- A. This section covers the furnishing and installation of the W - queuing turnstile.
- B. For further information, call the factory at +1 909.423.4143 and ask for the technical support department; or email information@alvaradomfg.com.

1.02 RELATED SECTIONS

- A. Section 08710 - Door Hardware
- B. Section 111413.13 - Portable Post & Railings
- C. Section 111413.19 - Turnstiles
- D. Section 055213 - Pipe & Tube Railing

1.03 QUALITY ASSURANCE

- A. Manufacturer shall specialize in the manufacture of security turnstiles and have a minimum of 10 years' experience.
- B. Installer shall have a minimum of one year experience installing similar equipment, or shall supply a factory representative during installation of the turnstile.

1.04 SUBMITTALS

- A. Submit manufacturer's descriptive literature for specified equipment, including options.
- B. Provide dimensional layout, installation instructions, electrical and communication connections and anchoring instructions.
- C. Provide shop drawings, if required.

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 or pallet jack equipment as required for moving.

1.06 PROJECT/SITE CONDITIONS

Install the W – Queuing Turnstile on a level concrete pad.

1.07 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 and does not cover freight, labor or incidental costs. 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

The W – Queuing Turnstile, no substitutions. Features of the turnstile shall include: Self-centering arm rotation; may be ordered with clockwise or counter clockwise rotation.

2.03 CONSTRUCTION

- A. Interior Operating Mechanism:
 - 1. Bearings shall be sealed, precision type.
 - 2. Rotation shall be self-centering.
- B. Head and Arms:
 - 1. The Turnstile Head consists of a 3.5" OD by 0.38" thick steel tube
 - 2. The Turnstile Arms are constructed from 1.5" OD x 16-gauge steel tubing.

2.04 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

2.05 AVAILABLE OPTIONS

- A. Straight Yoke: Steel post tubing, chrome plated finish.

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. These conditions include but are not limited to the following:
 - 1. Turnstile must be installed on a level concrete pad.
Installation shall not begin until unacceptable conditions are rectified.
- B. Installation: Install turnstiles in accordance with manufacturer's instructions.
- C. Adjustment: Installer shall adjust turnstiles for proper performance after installation.
- D. Instruction: A factory trained installer shall demonstrate to the owner's maintenance crew the proper operation and the necessary service requirements of the equipment, including exterior maintenance.
- E. Cleaning: Clean turnstile and area carefully after installation to remove excess caulk, dirt and labels.

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