Section 10450 Pedestrian Control Devices

PART 1- GENERAL

1.1 SECTION INCLUDES

A. ***MR-100 Stainless Steel Waist High Turnstile***

1.2 SUBMITTALS

A. Manufacturer's descriptive literature for equipment specified including components and accessories. See product brochure.
B. Shop drawings submitted upon request.
C. Manufacturer's instructions for assembly and installation.

1.3 REGULATORY REQUIREMENTS (IF APPLICABLE)

1.4 DELIVERY, STORAGE AND HANDLING

A. Store products of this section in manufacturer's unopened packaging until installation.
B Maintain dry, well ventilated storage area for products of this section until installation.

1.5 WARRANTY

A. All Hayward Turnstiles Inc. products are warranted against defects in material or workmanship for a period of 18 months from date of shipping.

PART 2 PRODUCTS

2.1 MANUFACTURER

A. Acceptable Manufacturer: ***Hayward Turnstiles Inc.***
160-A Wampus Lane
Milford, CT USA 06460
Phone: 203-877-7096
Fax: 203-877-7097
Email: info@haywardturnstiles.com
www.haywardturnstiles.com

2.2 EQUIPMENT

A. **MR-100 Stainless Steel (Bolt Down)**
1. ***Dimensions:*** Height 39"
Width 28"
Depth 25.5"
2. ***Frame:*** The main framework shall be manufactured of 14 gauge ANSI #304 Stainless Steel welded to a ¼" Stainless Steel base plate. The finish shall be #4 satin finish.
3. ***Cover:*** The cover shall be manufactured of ANSI #304 Stainless Steel with a #4 satin finish.
4. ***Hub and Arms:*** The arms shall be manufactured of 1-1/2" diameter ANSI #304 Stainless Steel tube. The arms are to be finished with special hemispherical end caps, welded on for safety, ground smooth and polished for appearance. A bright anodized 6" diameter aluminum hub shall securely hold the three stainless steel arms. The arms will extend 18.5" from inside edge of cabinet.
5. ***Mechanism:*** The main mechanism components shall be precision cut by laser from steel, black oxide finished and oil coated for maximum protection. A heavy-duty hydraulic damper shall be used to ensure smooth rotation of the turnstile arms and a soft return to the home

position after every passage. The damper will have a service life of over 10 million cycles. All springs are to be made of stainless steel and carefully rated for a long service life. All shafts to be made from stainless steel and surrounded by bearings or permanently lubricated oil impregnated bronze bushings.

6. ***For options see Section 2.3***

2.3 OPTIONS

A. All waist high turnstiles available clockwise, counter-clockwise or bi-directional passage.

1. ***Electronic Operation:*** This option includes a 24 VDC pull solenoid and electronic interface PC board with adjustable time control capable of controlling one direction of traffic through an access control device (card reader, RFID, biometric reader, token acceptor, etc). The adjustable time control is used for automatic relocking of the turnstile if entry is not completed (adjustable from 0.5 to 60 seconds).
2. ***Fail Safe Electronic Option:*** Enables the turnstile to allow passage in the event of power failure.
3. ***Resettable Admission Counter:*** Counter with large six digit liquid crystal display and powered by a 10 year lithium battery. May be ordered with one or two counters per turnstile.
4. ***Key-Resettable Admission Counter:*** Counter with large six digit liquid crystal display and powered by a 10 year lithium battery. Counter resets by turning a key. May be ordered with one or two counters per turnstile.
5. ***Out of Service Lock:*** Manually places the turnstile out of service using a key lock.
6. ***Additional Options Available Upon Request.***

Part 3 Execution

3.1 EXAMINATION

A. Purchaser to install units in accordance with the manufacturers approved drawings and installation instructions.

3.2 INSTALLATION

A. Prepare surfaces to assure a smooth and level rigid surface.
B. Set fixed equipment with expansion bolts or other fastening devices. A minimum of 4” depth of fastener is recommended to assure strong holding power.