



Model HDAC

Designed with bank lobbies and corporate offices in mind. Sleek body style will blend in beautifully with any surroundings. Access control devices can be mounted on either or both ends. Heaviest duty mechanism for lowest maintenance and longest service life. Versatile control interface. Stainless steel a standard but other materials available.

Section 10450 Pedestrian Control Devices Model "HDAC"

PART ONE - GENERAL

1.01 Submittal

Shop Drawings: Drawings showing individual turnstile construction, overall dimensions for installation, and installation details including trim and accessories.

Materials List:

List showing major components, materials and material thicknesses.

Product Sample:

Manufacturer shall demonstrate field upgradability of the turnstiles from mechanical control to electronic ticketing control and shall demonstrate the ability to field exchange electronic controls from one third party controlling electronic system and ticket scanner to another.

1.02 Product Handling

Store turnstiles in a dry well ventilated place in the original crating and protective wrappings and protect all finishes from damage during handling.

PART TWO - PRODUCTS

2.01 Materials and Standard of Quality

A. Furnish Model "HDAC" turnstiles as manufactured by:

(continued)

Perey Turnstiles, Inc.
308 Bishop Ave.
Bridgeport, Ct. 06610

B. Turnstiles

1. Weight

Fixed Version 140 lbs. Net - 190 lbs. Crated
Portable Version 245 lbs. Net - 275 lbs. Crated

2. Turnstile Cabinet

ANSI 304 stainless steel with #4 brushed finish. Full height standing rib reinforced design, double wall (cavity) construction, each wall .078" thick. Overall 36" long and 8" wide. 1/4" thick ANSI 304 stainless steel base plate. All welds ground smooth and polished. Electronics housing between turnstile legs with 5" by 24" access hatch and two locks.

3. Hub and Arms

Arms of ANSI #304 stainless steel tubing, brushed finish, 0.049" thick walls, spun closed ends. Arms press fit into gray cast iron hub and held to main shaft with drill rod taper pin.

4. Mechanism

Mechanical Mechanism: 1" x 6.5" machined cast iron ratchet. Use aided by heavy springs of 0.175" dia. spring steel. Motion stabilized by large rotary shock absorber and 1/2" thick cast iron two-lobe cam. Self Centered by 1/2" thick steel compression shoe.

Unlocking Controls: Field upgradable and interchangeable. One continuous-duty rated extremely heavy duty solenoid with Plunger Damper to extend mechanical life 10X. RF/Noise Suppression circuitry compatible with all know switching systems. Solenoid operates for 65 milliseconds per passage allowing for low cost battery back-up powering of turnstile. Switch De-bounce/Anti-arc circuitry to extend switch life. All unlocking elements are mechanical. No time relays or transformers

5. Floor Tread and Railing

6/10" thick cast iron floor tread, ANSI #304 Stainless Steel railing with decorative hand hold bends and grain running lengthwise. No light weight or unstable steel or aluminum plates shall be accepted.

6. Upgradability

Mechanism shall be field upgradable from mechanical counting to electronic counting both local and remote, without cutting, filing or other structural modifications. Mechanism shall be field upgradable from mechanical unlocking

control to electronic unlocking control, both single passage and escrow control, without cutting, filing or other structural modifications.

7. Compatibility with Automated Ticketing System And/or Outside Ticket Sales Organization

If site conditions include a pre-existing Ticketing System And/or Outside Ticket Sales Organization, the turnstile manufacturer shall coordinate the mounting of in-turnstile electronics, batterypower or hard wiring with the manufacturer or provider of such system. No surface mounting of scanners, displays or other electronics shall be acceptable. All electronics must be internally mounted to prevent patron injury and protect the electronics from abuse.

C. Finish

All stainless steel surfaces shall have a #4 brushed finish. Balance of cabinet shall be painted in an air dried poly urethane enamel capable of easy repair or repainting in the field or entire cabinet shall be ANSI #304 stainless steel with #4 finish and horizontal grain as required. No exposed mechanism fasteners of any kind, sharp edges or protrusions shall be allowed.

D. Fabrication

1. Turnstiles shall be fabricated entirely from machined cast iron, stainless steel and mild steel with the exception of sintered metal oil impregnated bearings. No plastic or aluminum bearings, cams or other load bearing parts shall be accepted.

PART THREE - EXECUTION

3.01 Installation

- A. Install turnstiles and swing gates in accordance with manufacturer's instructions and in locations in accordance with manufacturer's instructions and architectural drawings. Insure a smooth, level and rigid surface.
- B. Use at least three " expansion anchors of sufficient length to insure a minimum 4" penetration of slab per turnstile. Use at least four 3/8" expansion anchors of sufficient length to insure a minimum 4" penetration of slab per gate post.
- C. Perform all wiring in accordance with manufacturer's instructions and all applicable local, State and Federal codes and guidelines. Insure all interfaces allow one passage per unlocking impulse regardless of impulse duration. Insure virtually zero radio frequency interference from all mechanisms and zero power surges to control circuits. Insure that all power to and in the turnstiles is 29 volts or less.

PART FOUR - WARRANTY

4.01

All parts and materials shall be structurally sound and free from defects in materials and workmanship under high traffic use and service for a period of five years from date of shipment.

4.02

Spare parts availability shall be for a period of not less than fifty years from the date of shipment. Parts shall be continuously available at the factory for same day delivery six days per week.

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