Model 48SS/00 Tripod Turnstile

Section: Pedestrian Control Devices

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 upgradeability 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 048SS/00 turnstiles as manufactured by:
Perey Turnstiles
308 Bishop Avenue
Bridgeport, CT 06610 USA

B. Turnstiles
1. Weight
Fixed Version 140 lbs. Net - 190 lbs. Crated
Portable Version 245 lbs. Net - 275 lbs. Crated

2. Cover
Deep drawn ANSI #304 stainless steel, .078" thick, with six longitudinal stiffening ribs, corners with 1-3/8" radii, brushed finish.

3. Frame
Material shall be ANSI #304 stainless steel. Welded double wall (cavity) construction 27-1/2" long. Each wall .078" thick. Gradually curving inner wall 24-3/8" long. 2" outer wall radii, 1/4" thick base plate.

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

5. 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 0.5" thick steel two-

lobe cam. Self Centered by 0.5" thick steel compression shoe.

Optional Unlocking Controls: Field upgradeable 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

6. Optional Floor Tread and Railing
0.25" thick floor tread, ANSI #304 Stainless Steel railing with full circumferential grain. No light weight or unstable steel or aluminum plates shall be accepted.

7. Optional Ticket Throat and Internal Ticket Box
Ticket throat in vertical side of turnstile cabinet. 14 gage locking steel ticket throat window. Bolt-in and removable ticket baffle. Two 14 gage steel locking doors with hidden hinges. One door for tickets for second door for electronics and battery power pack. Electronics mounting hard-points inside doors for future installation of electronics.

8. Upgradeability
Mechanism shall be field upgradeable from mechanical counting to electronic counting both local and remote, without cutting, filing or other structural modifications. Mechanism shall be field upgradeable from mechanical unlocking control to electronic unlocking control, both single passage and escrow control, without cutting, filing or other structural modifications.

C. Finish
All stainless steel surfaces shall have a #4 brushed finish. 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 3.5" 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.