

# Model 55PC/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 thickness'.

#### 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 055PC/00 turnstiles as manufactured by:

Perey Turnstiles, Inc.  
308 Bishop Ave.  
Bridgeport, CT 06610 USA

##### B. Turnstiles

###### 1. Weight

Fixed Version 110 lbs. Net - 160 lbs. Crated

Portable Version 185 lbs. Net - 235 lbs. Crated

###### 2. Cover

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

###### 3. Turnstile Cabinet

Welded single wall construction of 0.105" thick steel with 0.25" thick steel base plate powder coated with Marine Grade powder. No exposed mechanism fasteners. Counter window in side of cabinet with lock and 0.078" thick steel shutter.

###### 4. Arms and Hub

ANSI #304 stainless steel tubing with #4 finish. .049" thick walls. Grey cast iron hub.

###### 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 1/2" thick steel bi-directional cam. Self Centered by 1/2" steel compression shoe. All rotating parts include upper and lower oilite or full cage needle bearings. All shafts for rotating parts are 17-4 stainless steel. Large industrial heavy-duty 6 digit counter with 3/8" high numbers.

#### 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.

#### C. Finish

All stainless steel surfaces shall have a #4 brushed finish. Balance of cabinet shall be powder coated with Marine Grade powder. 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" 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.