

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 materials, trim and accessories.

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

A. Furnish full height turnstiles as manufactured by:

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

B. Turnstiles

1. Weight: Uncrated (Installed Weight) 790 Lbs., Crated 835 Lbs.
2. Mechanism: All steel with two ratchets each 1.25" thick hardened steel. Two locking pawls also 1.25" thick hardened steel. Two fully sealed solenoids (not open frame) with 620% of required retraction force. Mechanical latching for maintenance of unlocked state. No electronic relays or circuit boards shall be accepted.
3. Arms: Steel tubing, wall thickness of 0.105" and 1.31" O.D hot dip galvanized.
4. Arm Ends: Spun closed under heat and pressure, for a smooth safe finish. No plastic caps on arms shall be accepted.
5. Heel Guards on Bottom Arms of Rotor: "U" shaped sheet steel channels surrounding the lower arms and extending to the flooring.
6. Rotor and Barrier Vertical Members: 0.25" thick steel angles, hot dip galvanized. Arms are pinned into rotor malleable iron clamps. Non-welded construction.
7. Passageway Members: Tubing with 0.125" wall thickness and 1.00" O.D. hot dip galvanized.
8. Bottom Bearing: Machined gray cast iron casting 1.5" thick, 12" in diameter hot dip galvanized.
9. Model: Type "B" Roto-Gate.

C. Finish

Hot-dip galvanized. Electro-galvanizing shall not be accepted. No sharp edges or protrusions shall be allowed.

D. Fabrication

1. Turnstiles shall be fabricated entirely from machined cast iron and mild steel. No plastic or aluminum bearings, cams or other parts shall be accepted. No mill-galvanized, cold galvanized or electro-galvanized material shall be accepted.

PART THREE - EXECUTION

3.01 Installation

A. Install turnstiles 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 eighteen expansion anchors per turnstile of sufficient length to insure minimum safe penetration of slab.

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 overnight shipment six days per week. Manufacturer may change and improve design and processes but shall maintain parts interchange ability with equipment at site for this same period.