



402 McKinney Parkway, Lillington, NC 27546 • TEL (910) 814-3800 • FAX (910) 814-3899

ARCHITECTURAL SPECIFICATION

Transpalock Security Barrier

DIVISION 10 – PEDESTRIAN CONTROL DEVICES

SECTION 10450 – TURNSTILES

PART I – GENERAL

1.01 SECTION INCLUDES

- A. This section covers the furnishing and installation of a complete Automatic Security Barrier. Provide complete system that has been fabricated and tested for proper operation at the factory. It includes railings, glass turnstile wings, motor drive system and security system as required for installation.

1.02 RELATED SECTIONS

- A. Section 07915 - Sealant, Caulking and Seals
- B. Section 08400 - Entrances and Storefronts
- C. Section 08710 - Door Hardware
- D. Section 08810 - Glass and Glazing
- E. Section 09600 - Flooring
- F. Section 16123 - Electrical Supply and Termination
- G. Section () - Security System

1.03 QUALITY ASSURANCE

- A. Manufacturer shall be a company specializing in the supply of automatic security barriers with a minimum of 5 years experience.

1.04 SUBMITTALS

- A. Submit project specific shop drawings and finish samples.
- B. Indicate pertinent dimensions, general construction, component connections and locations, anchorage methods and locations.

1.05 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials to job site in manufacturer's packaging undamaged, complete with installation instructions.
- B. Store off ground, under cover, protected from weather and construction activities.

1.06 PROJECT/SITE CONDITIONS

- A. Install barrier on finished floor only. Floor must be dead level at any point within the footprint of the door.

1.07 WARRANTY

Boon Edam Tomsted warranties its products against defects in material and workmanship for a period of one (1) year from the date of substantial completion or one and one half (1 ½) years from date of shipment. This warranty excludes glass breakage, normal wear on finishes or damage that occurs due to abuse, misuse or acts of God.

PART II – PRODUCTS

2.01 MANUFACTURER

Transpalock Automatic Security Turnstile as manufactured by:
Boon Edam Tomsed, Inc., 402 McKinney Parkway, Lillington, North Carolina 27546.
Tel: (910) 814-3800 Fax: (910) 814-3899 Website: www.boonedamtomsed.com

2.02 CONSTRUCTION

- A. Frame: Shall be manufactured from 1 5/8" brushed stainless steel tubes curved to a 5'-0" diameter and 5/16" curved tempered glass connected to the tubes with brushed stainless steel connectors.
- B. Turnstile Wings: Three wings manufactured of 5/16" tempered safety glass.
- C. Center Shaft: Steel framework containing all of the controls. Center shaft is brushed stainless steel.

2.03 EQUIPMENT

- A. Drive System: Electromechanical drive system specially designed for the Transpalock mounted inside the center column together with all of the controls. The drive system is bi-directional, allowing two-way traffic (not simultaneously). In case of power failure, the doorset can be operated manually.
(Requires a 208-230 V, 1 Phase, 10 A service from below)
- B. Locking Device: Electromagnetic locking device linked directly to the center shaft, capable of stopping the doorset at any position. In normal operation the locking device is activated in the rest position. The Tourlock locking device unlocks in the case of a power failure or activation.
- C. Controls: Microprocessor-based electronics utilizing a 800-step Programmable Logic Controller (PLC) with the following characteristics:
 - 1. RAM & ROM memory
 - 2. Self-diagnostics for quick detection of problem source
 - 3. Visual display of problem source

2.04 SECURITY EQUIPMENT

- A. Actuation: Turnstile actuation by external card reader, biometric reader, key pad or remote push button. Although tied into the Transpalock, actuation devices are not by Boon Edam Tomsed.

2.05 MATERIALS

- A. Tempered Glass: All flat glass Turnstile wings shall be 5/16" clear tempered safety glass. All glass shall meet ANSI standard Z 97.1.

PART III – EXECUTION

3.01 INSTALLATION

- A. Inspection: Installer must examine the location and advise the Contractor of any site conditions unacceptable for proper installation of product. These conditions include but are not limited to the following:
 - 1. Door must be installed on finished floor.
 - 2. Finished floor must be dead level at any point within the footprint of the door.
 - 3. Power supply must be installed.Installation shall not begin until these unacceptable conditions are rectified.
- B. Erection: Install barrier in accordance with manufacturer's printed instructions. Set units level, plumb, and with uniform hairline joints. Anchor securely into place. Use only factory-trained installers.
- C. Adjustment: Installer shall adjust door and hardware for smooth operation and proper performance.
- D. Instruction: A factory-trained installer shall demonstrate to the owner's maintenance crew the proper operation of the door and the necessary service requirements such as lubrication, cleaning, and inspection of components upon completion of installation.
- E. Cleaning: Clean metal and glass surfaces carefully after installation to remove excess caulk, dirt and labels.

Boon Edam Tomsed, Inc. reserves the right to change this specification at any time without notice.