

Architectural Specification

Speedlane Open Non - Barrier Optical Turnstile

Section 11 14 00 – Pedestrian Control Equipment (Gates/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 casing, controls 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.
- B. Installer shall supply a factory-trained supervisor during installation of the Speedlane Open.
- C. Product shall be certified by UL to confirm to:
 - 1. UL 2593, Outline of Investigation for Motor Driven Turnstile Operators and Systems
 - 2. UL 325, Door, Drapery, Gate, Louver, and Window Operators and Systems.
 - 3. CSA C22.2 No. 247-14, Operators and Systems of Doors, Gates, Draperies and Louvres

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 Speedlane Open on finished floor only. Floor must be level within 5/64" (2mm) at any point within the footprint of the Speedlane Open.

1.07 WARRANTY

Boon Edam warrants its products against defects in material and workmanship for a period of twelve (12) months from the date of shipment of the product. This warranty excludes glass breakage, normal wear on finishes or damage that occurs due to abuse, misuse or acts of God.



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PART II – PRODUCTS

2.01 MANUFACTURER

Speedlane Open Security Barrier as manufactured by:

Boon Edam, Inc., 402 McKinney Parkway, Lillington, NC 27546.

(910) 814-3800 Fax: (910) 814-3899 Homepage: www.boonedam.us

2.02 PRODUCT

Speedlane Open – Barrier free optical turnstile includes stainless steel cabinets.

2.02 CONSTRUCTION

- A. Casing: Shall be manufactured from #4 brushed stainless steel.
- B. Top Plate: Top to be manufactured from black tempered glass in a stainless steel casing.

2.03 EQUIPMENT

- A. Controls: Factory installed, purpose built microcontroller platform with embedded custom software.
(Requires 110-240 VAC, 1 Phase, 13 A service from below)
- B. Power Saving Mode / Sleep mode: The Speedlane Open will go into sleep or power saving mode after pre-set time, wake-up detection by sensors in the leading face.

2.04 SECURITY EQUIPMENT

- A. Actuation: Barrier actuation by card reader under top plate, max dimensions L x W x H:
130x55x50mm (5 7/64x2 11/64x1 31/32 inch).
Although tied into the Speedlane, actuation devices are not by Boon Edam.

2.05 MATERIALS

- A. Cabinet: Casing is made with #4 stainless steel.

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:
 - 4. Speedlane Open can be installed on finished floor.
 - 5. Finished floor must be level within 5/64" (2mm) at any point within the footprint of the Speedlane Open.
 - 6. Power supply must be installed. Power and communication come from the floor.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 barriers 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 Speedlane 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, Inc. reserves the right to change this specification at any time without notice.