



## Architectural Specification

### **OUTLAW OPTICAL DROP ARM OPTICAL TURNSTILE**

SECTION 11 14 00 – Pedestrian Control Equipment (Gates/Turnstiles)

#### **PART I – GENERAL**

##### **1.01 SECTION INCLUDES**

- B. This section covers the furnishing and installation of a complete Automatic Security Barrier. Provide a complete system that has been fabricated and tested for proper operation at the factory. It includes casing, controls and security systems as required for installation.

##### **1.02 RELATED SECTIONS**

- A. Section 08400 - Entrances and Storefronts
- B. Section 08710 - Door Hardware
- C. Section 08810 - Glass and Glazing
- D. Section 16123 - Electrical Supply and Termination

##### **1.03 QUALITY ASSURANCE**

- A. The manufacturer shall be a company specializing in the supply of automatic security barriers with a minimum of 5 years of experience.
- B. The installer shall supply a factory-trained supervisor during the installation of the Barrier Free System
- C. The 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 the job site in the manufacturer's packaging undamaged, complete with installation instructions.
- B. Store off the ground, undercover, protected from weather and construction activities.

##### **1.06 PROJECT/SITE CONDITIONS**

- A. Install the Cabinet on finished floor only. The floor must be level within 5/64" (2mm) at any point within the footprint of the Outlaw Optical Drop Arm Turnstile.

##### **1.07 WARRANTY**

OUTLAW INDUSTRIES warrants its products against defects in material and workmanship for a period of eighteen (60) months from the date of installation 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**

Outlaw Optical Drop Arm as manufactured by:

Outlaw Industries 3475 South Calhan Hwy. Calhan Colorado 80808 1-800-590-0464

Homepage [www.outlawindustries.co](http://www.outlawindustries.co)

##### **2.02 CONSTRUCTION**

- A. Casing: Shall be manufactured from 14g. #4 brushed stainless steel.
- B. Top Plate: Top to be manufactured from 14g. #4 brushed stainless steel.

##### **2.03 EQUIPMENT**

- A. Controls: Factory-installed, purpose-built microcontroller platform with embedded custom software. (Requires 110-240 VAC, 1 Phase, 13 amp) to main power supply, 24VDC to each cabinet
- B. Internal touch screen controller: Allows control of Card in/Card out, Card in/Free exit, Free Entry/free exit, Exit only. Photo eye sensitivity, Photo eye display, Lane on/off features, Maintenance page, Anti tailgating functions, Stackable user functions, Motor/Lock control adjustment.
- C. Motor and Motor Control. Computer adjustable brushless servo motors with built in decoders shall provide smooth and exact operation and resistance sensitivity. Integrated electromechanical lock with force adjustments.
- D. Drop Arms. Drop arms shall be made of 304 Stainless Steel 1.5 inch, clear anodized finish. Shall be 36" for ADA lanes and 28" for standard lanes
- E. Access Control Points. User access control points for entry, exit, hold open, fire, external alarm output. usb and IOT.

#### **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 the product. These conditions include but are not limited to the following:
  - 1. Barrer Free shall be installed on a finished floor.
  - 2. Finished floor must be level within 5/64" (2mm) at any point within the footprint of the Outlaw Drop Arm.
  - 3. 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.

**OUTLAW INDUSTRIES RESERVES THE RIGHT TO CHANGE THIS SPECIFICATION AT ANY TIME WITHOUT NOTICE**