# Trilock Side Gate One-Way or Two-Way Handicapped Gate

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

## **PART I – GENERAL**

**1.01 SECTION INCLUDES**

1. This section covers the furnishing and installation of a complete security gate. Provide complete system that has been fabricated and tested for proper operation at the factory. It includes posts, gate arm, in floor mounted closer unit and latch.

**1.02 RELATED SECTIONS**

1. Section 08710 - Door Hardware

**1.03 QUALITY ASSURANCE**

1. Manufacturer shall be a company specializing in the supply of security gates with a minimum of 10 years experience.

**1.04 SUBMITTALS**

1. Submit project specific shop drawings and finish samples.
2. Indicate pertinent dimensions, general construction, component connections and location, anchorage methods and location, hardware, and installation details.

**1.05** **DELIVERY, STORAGE AND HANDLING**

1. Deliver material to job site in manufacturer’s packaging undamaged, compete with installation instructions.
2. Store off ground, under cover, protected from weather and construction activities.

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

1. Install security gate on the finished floor. Floor must be deal level at any point within the footprint of the gate.

**1.07 WARRANTY**

Boon Edam warranties 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.

## **PART II – PRODUCTS**

**2.01**  **MANUFACTURER**

Trilock Side Gate: One-way or Two-way Handicapped Gate as manufactured by:

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

(910) 814-3800 Fax: (910) 814-3899 Homepage: [www.boonedam.us](http://www.boonedam.us)

**2.02 CONSTRUCTION**

1. The latching posts consist of stainless steel tubing welded to a mounting flange at the base. The 24 VDC doorstrike or magnetic lock ( for the electric version) or Mechanical keyed deadbolt (mechanical version) is recess mounted into the post. A one inch hole for wiring is provided through the mounting flange on the electrical version).
2. The gate swing panel if fabricated by welding 5 sections of 2” square stainless steel tubing. Three horizontal components are welded to the two sided sections. One side extends to the floor as a support and guide for the floor closer.
3. The swing post is fabricated from stainless steel tubing welded to a mounting at the base. An upper hinge plate is welded to the post as a support for the gate swing panel. A ¾” diameter stainless steel pivot pin attaches the gate swing panel to the swing post at the upper hinge. This allows free and easy movement of the gate barrier section.
4. All posts are capped, welded and ground smooth. Flange covers are not included but are optional.

**2.03 EQUIPMENT**

1. The latching post is constructed from 2” square stainless steel tubing. The post is 38” high. The latching post also contains the 24 VDC doorstrike used to lock the gate. A magnetic lock is also available (electric version). A dead bolt type keyed latch is mounted in the latching post (Mechanical version).
2. The gate swing panel is constructed of 2” square stainless steel tubing. The gate barrier measures 34” high and 34” long. A lexan filler panel, with a universal handicap logo decal, is in the center of the swing panel.
3. The swing post is fabricated from 2” square stainless steel tubing with a height of 38”.
4. The floor closer is used for one-way or bi-directional operation. The floor closer provides a slow, safe return of the gate barrier to the locked position, regardless of the direction of operation. Closing and latching speeds are adjustable. The gate to latch post spacing and adjustment of the closer unit may require adjustments upon initial installation to assure positive closing/locking from both directions of swing. The bi-directional THG-42ES gate is designed to be securely mounted to a flat floor. The gate to latch post spacing and adjustment of the closer unit may require precise and finite adjustments upon initial installation to assure positive closing/locking from both directions of swing. Periodic maintenance, including ongoing adjustments as described above, should be expected to assure proper closing and locking.
5. The THG-42 consists of a latching post, gate barrier, swing post and floor closer.
6. Dimensions are 38” High, 40” L. Sizes may vary according to requirements.

**2.04 FINISHES**

1. All Stainless Steel items, type 304, are polished to a #4B finish. Bronze finish and powder coat finishes are available.

**2.05 OPTIONS**

1. Above floor hydraulic closer
2. Dead Bolt keyed lock (Mechanical version)
3. Magnetic lock or electric latch (Electric Version)
4. 24 VDC power supply (Electric Version)
5. Extended opening
6. Remote pushbutton

## **PART III – EXECUTION**

**3.01 INSTALLATION**

1. 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. Floor must be deal level at any point within the footprint of the security gate.

Install shall not begin until these unacceptable conditions are rectified.

1. Erection: Install gates 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.
2. Adjustment: Installer shall adjust gate, hardware and sensors for smooth operation and proper performance.
3. Maintenance: Follow maintenance procedures as outlined in the Instruction or Operation Maintenance Manual.
4. 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.**