



CONDOOR DETENTION PRODUCTS  
232 VARET STREET  
BROOKLYN, NEW YORK 11206  
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## CONDOOR - LEVEL 7 STEEL ARCHITECTURAL BAR GUARD

### **PART 1 – GENERAL**

#### Description

The guard shown on the plans and herein specified is manufactured by ConDoor Detention Products. The manufacturer's name and products have been used to establish the standard of construction and quality of workmanship required for this project.

#### Submittals

Manufacturers requesting approval to bid their product as equal must submit to the architect shop drawings that include details of attachment to surrounding materials and elevations showing scope of the project.

#### Quality Assurance

Items provided in the section shall be manufactured and fabricated by firms with 3 years experience in type of work specified. Performance and testing must comply with sag, impact, and forced entry resistance tests of ANSI/SMA 6001-1990, American National Standard. Specifications for Protection Screens must meet the performance requirements for a Heavy Rating.

#### Delivery, Storage, and Handling

Before and during shipment to site, adequately protect products. Products should be stored in conditions that protect from damage. Installation shall be by installers experienced in type of work specified for respective item.

#### Inspection

Verify that openings fit allowable tolerances are plumb, level, provide a solid anchoring surface and comply with approved shop drawings. Plumb and align faces in a single plane and erect doors square and true adequately anchored. After completion of installation, screens shall be in working order and clean.

#### Warranty

Manufacturer will supply a written one-year warranty on all products.

#### References

American Society for Testing and Materials (ASTM), American Welding Society (AWS)

#### Installation, Adjusting, and Clean up

Install in accordance with approved shop drawings and specifications. Erect guards and other work of this section, rigid, straight, and plumb with horizontal lines level. Secure connections and attachment. Adjust guards and hardware and leave in working order where applicable. Clean work of this section upon completion. Remove debris resulting from work of this section.

### **PART 2 – PRODUCT**

#### Acceptable Manufacturers

ConDoor Detention Products  
232 Varet Street, Brooklyn, NY 11206  
Tel: (718) 554-6840 Fax: (718) 554-7817  
www.condoordet.com

#### Steel Architectural Bar & Belly Guard Materials

- Structural steel shapes, bars, and plates:  
ASTM A36
- Steel Rods: ASTM A108

-Steel Plate: ASTM A568

-Hot-rolled steel members: ASTM A36

-Cold-rolled steel members: ASTM A611, Grade C  
-Unless otherwise indicated, hang guards with galvanized 3 ½" x 2 ¼" fast pin steel butts and secure in place with hook rods, snap hooks, and chains.

-Connection bolts: Galvanized or stainless steel

-Expansion bolts: Galvanized or stainless steel

Galvanized: Comply with ASTM A123, G90 unless otherwise indicated.

#### Fabrication

Welding shall comply with requirements of AWS. Grind welds smooth. Window guards, unless otherwise shown, shall cover entire window opening. Provide frame and accessories of size and construction as shown on drawings. The infill is to be welded to the mainframe. Window guards over 5' wide or 8' high will be fabricated in two sections.

#### Paint and Finish

All interior and exterior surfaces of the mainframe and shall be thoroughly cleaned in a three-step bonderizing process. The surfaces shall receive an electrostatically applied thermoplastic polyester powder coating, which shall be applied and baked to a hard mar-resistant finish in a standard or custom color. Touch-up paint is available for installation.

#### Locks and Hardware

3 ½" x 2 ¼" F.P. butts brass pin hinges, to have 2 hinges for guards under 5', and 3 hinges per guard 5' and over.

Lock Options: Quick Release, Chains and Pins, Padlocks.