

# PDI

AN ARGYLE SECURITY COMPANY

## SECURITY WIRE MESH



*Interior / Exterior Applications*

*Operable Doors*

*Stainless Steel / Powder Coat / Galvanized*

*Custom Detailed to Meet Job Requirements*

*Double-Crimped Woven Steel Rod*

*Fabricated Steel Framing*

*Steel Overlay Screens*

*Various Mounting Configurations*

# Security Wire Mesh

## Specifications



### Part 1 - General

#### 1.01 Description

- a) Wire mesh panels shown on plans and described in these specifications meet or exceed industry standards for this type of product. Other manufacturers seeking approval must have at least five years of current experience in manufacturing similar products.

#### 1.02 Submittals

- a) Manufacturer to submit shop drawings showing construction of material to be supplied, attachment to surrounding materials, along with elevations showing scope of project.

#### 1.03 Warranty

- a) The material supplier shall warrant the material and workmanship on this project for one year from date of acceptance by Owner. The manufacturer agrees to repair or replace any defective materials and to correct any defects when given written notice by the Owner during this warranty period. The warranty does not cover abuse by others or wear from normal use.

### Part 2 - Products

#### 2.01 Acceptable Manufacture

- a) PDI - Orange, CA (714)288-1770 Fax (714) 288-1769  
www.petersondetention.com

#### 2.02 Woven Wire Mesh

- a) Woven rod panels shall be fabricated from 1/4" diameter low carbon mild steel woven with 3" centers (2-2/4" square openings).
- b) Optional Wire Screen Overlay: Wire screen shall be 12 mesh per inch using .028 stainless steel wire.

#### 2.03 Frame and Mullion Construction

- a) Frame and mullion assembly (If required) are fabricated tubular shapes with minimum size of 1-3/4" x 2-1/2". Components are fabricated from minimum 12 gauge steel. Channels are slotted to receive woven wire panels w/ slots located symmetrically. Frames corners are mitered and fully welded. Mullions if required have similar construction and are welded to outer frame.
- b) Cover plates are fabricated from minimum 12 gauge steel. Concealment plates are attached using zinc plated fasteners or stainless steel rivets.
- c) Woven rod panels shall be installed symmetrically into slots on mainframe. Each rod shall penetrate frame a minimum of 1". Weld every other rod where rods penetrate mainframe.

#### 2.04 Screen Attachment

- a) Form edges of wire screen panels with 3/4" flange to overlap interior flange of mainframe. Attach concealment plate with fasteners to mainframe making sure fasteners also penetrate screen material. Stainless screens are attached after woven panels and frames have been coated with final approved finish.

#### 2.05 Finish

- a) Interior Applications – After Fabrication clean all surfaces of woven wire mesh, frame and concealment plates using iron phosphate or comparable cleaner / degreaser. After material has completely dried from cleaning process, apply powder coat finish using standard color. Powder coat to be applied per powder manufacturer's requirements using electro-static application equipment.

- b) Exterior Applications – Woven wire panels shall be fabricated using galvanized wire. Frame and concealment plates shall be fabricated using galvanized or galvanized (Per ASTM A60) material. After Fabrication clean all surfaces of woven wire mesh, mainframe and concealment plate using iron phosphate or comparable cleaner / degreaser. After material has completely dried from cleaning process, apply powder coat finish using standard color. Powder coat to be applied per powder manufacturer requirements using electro-static application equipment.

#### 2.06 Mounting Accessories

- a) Manufacturer will supply all mounting angles, cover plates or channels for installation of wire mesh panels into clear opening. If fasteners are used for attaching wire mesh panels to mounting accessories, mesh manufacturer will supply. All other fasteners by installing contractor.
- b) Supply mounting accessories with finish as required.

### Part 3 - Field Quality Control

#### 3.01 Field Verification

- a) Field verify that all openings that are to receive mesh panels are per approved shop drawings, are level, and clean.

#### 3.02 Installation

- a) Install per approved shop drawings and specifications.
- b) Plumb and align mounting angles on a single plane with anchors per approved shop drawings. Erect screen on mounting angles square and true with anchoring per approved shop drawings.
- c) After installation screens shall be adjusted and cleaned as required.

# Security Wire Mesh

## Successful Projects

# PDI

Project: Aubrey Cole Law Enforcement Center  
Location: Jasper, TX  
Contractor: ISI Detention Contracting  
Contact: Sam Youngblood  
Installation: 2004  
Contract Amount: \$112,000.00

Project: 1,000 Bed Closed Security Project  
Location: Hookerton, NC  
Contractor: Southern Steel  
Contact: Sam Rosson  
Installation: 2005  
Contract Amount: \$160,000.00

Project: Cowlitz County Jail Annex  
Location: Longview, WA  
Contractor: CML Specialties, Inc  
Contact: Mike Langersmith  
Installation: 2005  
Contract Amount: \$100,000.00

Project: Otero County Prison  
Location: Chaparral, NM  
Contractor: ISI Detention Contracting  
Contact: Pat McCracken  
Installation: 2005  
Contract Amount: \$275,000.00

Project: Jameson Annex State Penitentiary  
Location: Sioux Falls, SD  
Contractor: Southern Steel  
Contact: Marty Wydra  
Installation: 2005  
Contract Amount: \$240,000.00

Project: Pendleton Correctional Facility  
Location: Pendleton, IN  
Contractor: Southern-Folger Detention  
Contact: Marty Wydra  
Installation: 2005  
Contract Amount: \$261,000.00

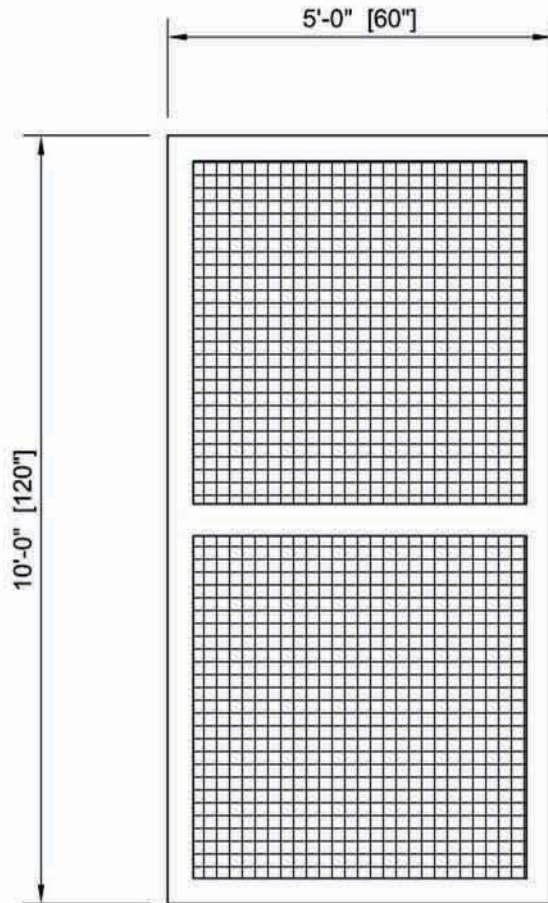
Project: Manhattan Beach Fire and Police Facility  
Location: Manhattan Beach, CA  
Contractor: Legg, Inc.  
Contact: David Talkington  
Installation: 2005  
Contract Amount: \$32,000.00



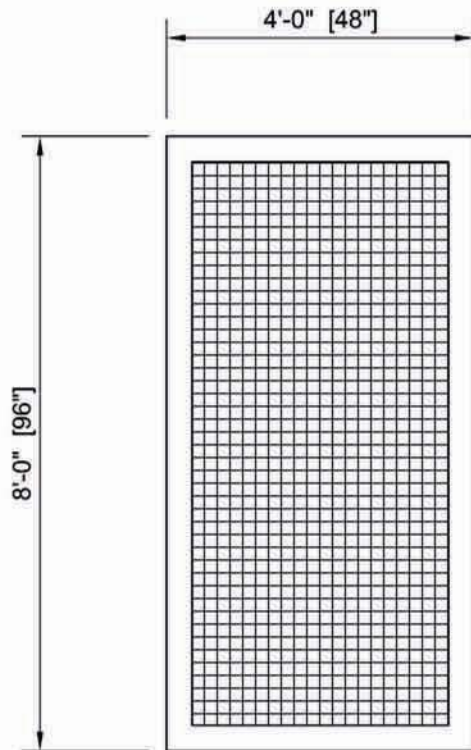
# Security Wire Mesh

## Max Panel Sizes

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MAX. PANEL SIZE WITH MULLION



MAX. PANEL SIZE WITHOUT MULLION

# Security Wire Mesh

## Standard Details

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