

Industrial Specialty- Service Door Screen Insert

Part 1 - GENERAL

1.01 SECTION INCLUDES

- A. Door insert of the following type:
 - 1. Specialty insert panel with stainless steel mesh for hollow metal service entry doors to provide both ventilation and security.

1.02 RELATED REQUIREMENTS

- A. ANSI/SDI A250.8-2014- Specs for Standard Steel Doors (SDI-100)
- B. Section 08100- Standard Hollow Metal Doors and Frames
- C. ANSI/ SDI A250.11- Recommended Erection Instructions for Steel Frames.

1.03 SUBMITTALS

- A. Administrative requirements, for submittal procedures.
- B. Product Data: Provide copy of manufacturer's owners' manual & Installation instruction manual.
- C. Shop Drawings: Indicate overall dimensions (width, height).

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in the section, with not less than 10 years of documented experience.
- B. Installer Qualifications: Company specializing in performing the work of this section minimum three years of experience.

1.05 WARRANTY

- A. Door manufacturer shall provide a minimum 5-year limited warranty on manufactured products and industry standard of 1 year warranty on parts resold by manufacturer.
- B. Correct defective work within a one year period after date of substantial completion.

Part 2 Products

2.01 Manufacturers

- A. Basis of design shall be Rasco Industries, Inc.- SDSI-The Service Door Screen Insert, www.Rascodoors.com, Mound, MN 800-537-3802
- B. Substitutions: See section 1.04 Quality Assurance- Product Requirements

2.02 Products

- A.** A. Screen insert shall be sized for openings as scheduled on the drawings.
- B. Standard size is 25"w x31"h with the option of 25" x 35". Dual screens on a door and custom sizes are allowable as long as proper door strength and stability is not compromised per steel door standards (see ANSI/SDI A250.8-2014). Optional lower placement of second SDSI to be placed under panic opener and above the recommended 10" kick plate. Lower insert standard size is 25" x 25".

- C. Stainless steel screen mesh type insert which shall be installed into existing service door and will use 304 stainless steel mesh to withstand the industrial environment.

2.02 Products continued

- D. Service Door Screen Insert shall provide free area for ventilation, while restricting access for insects, birds, animals, or other unauthorized entry.
- E. The frame shall be aluminum alloy 6063-T6 with mill finish. Groove provided for applying caulk to seal the outside frame to the door.
- F. SDSI held in place by tamper proof headed screws to be provided by manufacturer.
- G. Color: Manufacturer's standard of mill finish.
- H. The screening shall be of 304 stainless steel wire mesh in either of the following configurations:

	Mesh	Wire Diameter	Opening Size	Free Area
1. Standard	12x12	0.023"	0.0660 in. sq.	52.4%
2. Fine	30x30	0.011"	0.0223 in. sq.	44.8%
3. Medium	16x16	0.018"	0.0445 in. sq.	50.7%
4. Expanded metal 5/8 inch, 20 gauge, flattened, expanded 304 stainless steel. 71% free area. Security bars shall be required with the choice of expanded metal. Expanded Metal does not provide insect control unless additional #12, #16, or #30 Mesh is purchased and specified to be added to Expanded metal.				

MEETS FEDERAL SPECIFICATION STANDARD A-A-1037B DATED APRIL 19, 1990 FOR TYPE I, CLASS I WIRE FABRIC. ASTM 478-97 (REAPPROVED 2002)
MEETS THE ASTM STANDARD SPECIFICATION FOR INDUSTRIAL WIRE CLOTH AND SCREENS, DESIGNATION E 437-85. ISO 9044, ATSM E 2016-15.

- I. Optional storage rack which consists of 2 corners and upper latch keeper. storage rack may be placed on door or wall to hold cover in place.
- J. Optional 1/2" solid aluminum security bars for added security.
- K. Optional Solid Insert Cover: A solid insert panel may be optioned. For use in winter or during cooler night temperatures. Constructed of 22 gauge powder coated steel. Standard color: Grey. Panel with a thermal brake between front and back panels, 13/16th inch of foam insulation, 2 handles, and a turning latch. Available in standard sizes only of 25" x 31", 25" x 35" or 25" x 25".
- L. Optional Clear Insert Cover: A solid clear insert panel may be optioned. For use in winter or during cooler night temperatures. Allows light in and allows viewing outside. Constructed of clear 3/8th inch polycarbonate with an aluminum frame, turning latch, and two handles. Custom sizes available.