

## **SECTION 08180 - METAL SCREEN DOORS**

### **PART 1 GENERAL**

#### **1.01 SECTION REQUIREMENTS**

- A. Submit Product Data.

### **PART 2 PRODUCTS**

#### **2.01 STEEL SECURITY SCREEN DOORS AND FRAMES**

- A. Manufacturer:
  - 1. Armoured Guard Security Screen Door, Series 5000, Model "A"
- B. Steel Doors:
  - 1. Masterframe: Roll formed, tubular, lock-seam construction formed from 22 gauge hot-dipped galvanized steel. Mitered joint construction, rigidly fastened and welded on both sides.
  - 2. Frame Liner: Extruded aluminum designed to receive flexible weather seal. Head of frame liner shall be designed to function as a drip cap. Bottom of frame shall have and adjustable expander to accept vinyl door sweep.
  - 3. Kick Panel: 18 gauge embossed galvanized sheet steel. Formed in one continuous piece and secured on all sides.
  - 4. Wirecloth Retainer Spline: 18 gauge formed galvanized steel angle with #8 screws at 4-inches on center.
  - 5. Wirecloth: Stainless steel alloy 12 X 12 mesh, .028 diameter providing a minimum 43% open area.
  - 6. Hardware:
    - a. Hinges: Five (5) hinges with nonremovable pins.
    - b. Latch: No key push button type for standard units, lever set SK700BB for Handicapped adaptable units.
    - c. Adjustable door closer, and chain with hold-up spring.
    - d. Weatherstripping.
    - e. Vinyl door sweep.
- C. Finishes:
  - 1. Exposed surfaces of metal parts formed from hot-dipped galvanized steel shall be free of surface blemishes. Sections, either assembled or fabricated in factory, shall have wash coats and finish coat applied after such assembly or fabrication is completed.
  - 2. Exposed areas of wirecloth and frame parts shall have a five (5) stage chemical pre-treatment process applied, with a finish polyester powder paint coat, electrostatically applied, and baked for a minimum of 30 minutes at 400° Fahrenheit. Powder coating shall be abrasion and corrosion resistant.

### **PART 3 EXECUTION**

#### **3.01 INSTALLATION**

- A. Install doors accurately in frames, within clearances specified in ANSI/SDI 100.

**END OF SECTION 08180**