1995 CSI SECTION 08585 Security Screens
2004 CSI SECTION 08 5666 Security Screens

Part 1 – General

1.01 Summary
- A. Section includes:
  - 1. Aluminum Surface Mount Security Screens
- B. Related Sections:

1.02 References
- A. American Architectural Manufacturers Association (AAMA)
- B. American Society for Testing and Materials (ASTM)
- C. Aluminum Association (AA)

1.03 System Description
- A. General: In addition to requirements shown or specified, comply with:
- B. Design Requirements: Arcadia Intruder 168 Series designed to fit any fixed or operable Arcadia window product.
- C. Performance Requirements:
  - 1. Screens to meet a minimum Level 6 Security Level

1.04 Quality Assurance
- A. Single Source Responsibility:
  - 1. Obtain Security Screens, entrances, storefronts, ribbon walls, window walls, curtain walls, window systems, and finish through one source from a single manufacturer.

  Warranty
- B. 2. System shall be warranted against failure and/or deterioration of metals due to manufacturing process for a period of two (2) years.

Part 2 – Products

2.01 Manufacturers
- A. Acceptable Manufacturers:
  - 1. Arcadia, Inc., 3225 East Washington Blvd., Vernon, CA. Telephone 323/269-7300, Fax 323/269-7390.
- B. Acceptable Products:
  - 1. Arcadia, Inc., Intruder 168 Series

2.02 Framing Materials and Accessories
- A. Framing members, transition members, mullions, adaptors, and mounting: Extruded 6063-T6 aluminum alloy (ASTM B221 – Alloy G.S. 10a T6). Minimum .125" wall thickness on all framing members and .090" on all sash extrusions.
- B. Perforated steel screen infill to be 14-gauge powder coated steel with an option for any type of woven mesh specified.
- C. Screws, fastening devices, and internal components: Aluminum, stainless steel, or zinc-plated steel in accordance with ASTM.A-164. Perimeter anchors shall be aluminum or steel, providing the steel is properly isolated from aluminum. Provide tamper proof fasteners where necessary

2.03 Finish
- A. Finish all exposed areas of aluminum and components as indicated.
  - 1. An Architectural Class II or I color anodic coating conforming with AA-M12C22A34/AA-M12C22A44.
    - a. Anodized finish color shall be Colornodic _____. (AB1 Light Champagne, AB2 Champagne, AB3 Light Bronze, AB4 Medium Bronze, AB5 Standard Medium Bronze, AB6 Dark Bronze, AB7 Standard Dark Bronze, AB8 Black, AG2 Gold.)

  (or) 1. An Architectural Class II and I anodic coating conforming with AA-M12C22A31/AA-M12C22A41.
    - a. Anodize finish color shall be Colornodic _____ (#11 Clear)

  (or) 1. Fluorocarbon Coating: AAMA 2605.2.
    - a. Resin: 70% PVDF Kynar 500/Hylar 5000.
    - b. Color: As selected by Architect.

2.04 System Fabrication
- A. The perforated panel shall be attached between the main frame and interlocking cover plate with tamper resistant screws 3 inches on center maximum
- B. There shall be no exposed fasteners at perimeter sections.

Part 3 – Execution

3.01 Examinations
- A. Examine conditions and verify substrate conditions are acceptable for product installation.

3.02 Installation
- A. Install in accordance with approved shop drawings and manufacturers installation instructions.

END OF SECTION