



**1995 CSI SECTION 08490 Sliding Storefronts**  
**2004 CSI SECTION 08 43 29 Sliding Storefronts**

**Part 1 – General**

1.01 Summary

- A. Section includes:
  - 1. Sliding storefronts
- 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:
  - 1. Applicable provisions of AAMA Aluminum Storefront and Entrance Manual for design, materials, fabrication and installation of component parts.
- B. Design Requirements: Arcadia 9090 Flexirol Series Multidirectional is a single source package of door, door frame and hardware that is engineered to allow multi-slide parallel stacking.
- C. Performance Requirements: This product is designed for applications only where AAMA/NWWDA ratings for air, water penetration and structural performance is not required.

1.04 Quality Assurance

- A. Single Source Responsibility:
  - 1. Obtain entrances, storefronts, ribbon walls, window walls, curtain walls, window systems, and finish through one source from a single manufacturer.
- B. Provide test reports from AAMA accredited laboratories certifying the performances as specified in 1.03.

1.05 Warranty

- A. 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., 9090 Flexirol Series Multidirectional.
    - a. Vertical stile: 2, 3-1/2 or 5 inches.
    - b. Top rail: 2-1/16 or 3-5/8 or 5-1/8 inches.
    - c. Bottom rail: 3 or 6 or 10 inches.
    - d. Glazing Insert: Snap-in type for \_\_\_\_\_ (1/4" or 1") infill.
  - 2. Major portions of the door stiles shall be a nominal .125" and glass stops shall be .050" thick.

2.02 Materials and Accessories

- A. Door members: Extruded 6063-T6 aluminum alloy (ASTM B221 – Alloy G.S. 10aT5).
- B. Screws, fastening devices, and internal components: Aluminum, stainless steel, or zinc plated steel in accordance with ASTM A-164 shall be aluminum or steel, providing the steel is properly isolated from aluminum.

2.02 Glazing Gasket (compression-type design).

- A. Hardware for 9090 Flexirol Series Multidirectional shall be furnished and installed by the manufacturer and shall include the following standard hardware.
  - 1. Weatherstripping: A hard-backed polypile weatherstrip shall be installed in frame and interlockers and meeting stiles of bi-parting doors. Sliding panel supplied with double sweep at sill.
  - 2. Sill track guide
  - 3. Flexirol Hangers
  - 4. Adams Rite maximum security lock.

- 5. Cylinders (interior and exterior).
- 6. Flush face pull.

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 to 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.)
  - (or) 1. An Architectural Class II or I anodic coating conforming to 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. Substrate: cleaned and pretreated with chromium phosphate.
    - c. Primer: Manufacturer's standard resin base compatible coating. Dry film thickness.
      - (a) Extrusion: Minimum 0.20 mil.
    - d. Color Coat: 70% PVDF, dry film thickness.
      - (a) Extrusion: 1.0 mil.
    - e. Color: As selected by Architect.
    - f. Acceptable Coatings Manufacturers:
      - (a) PPG Industries, Inc.
      - (b) Sherwin Williams

2.04 Door Fabrication

- A. Stiles and rails shall be tubular sections accurately joined, flush and hairline at corners with heavy concealed reinforcement brackets secured with machine bolts, with optional MIG weld. Exposed screws not permitted.
- B. Prepare internal reinforcement for hardware.
- C. Custom hardware templates and physical hardware must be submitted prior to any fabrication.

**Part 3 – Execution**

3.01 Examinations

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

3.02 Erection

- A. The maximum deflection of the header with the live load shall not exceed the lesser of L/720 of the span and 1/4". Structural support for lateral loads (both windload and when the panels are stacked open) must be provided.

3.03 Installation

- A. Install in accordance with approved shop drawings and manufacturers installation instructions.
- B. Installer to provide adequate anchorage devices and to securely fit frame in place, absolutely level, straight, plumb and square. Install frame in proper elevation, plane and location, and in proper alignment with other work. Head section of frame must be installed with a 1/8" upward crown at the center of the opening.
- C. Ensure doors are adjusted at the time of installation for proper operation.
- D. Protect installed product from construction activities, particularly thresholds and floor channels.

3.04 Field Quality Control

- A. Contractor's responsibility to make all necessary final adjustments to attain normal operation of each door and its mechanical hardware.

**END OF SECTION**