1.01 Summary
A. Section includes:
   1. Flush Panel Doors
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 RP325 Series Flush Panel
   Entrance System is a single source package of door,
   doorframe and hardware that is engineered for excessive
   traffic or difficult environmental conditions.
C. Performance Requirements: Each assembly tested by a
   recognized testing laboratory or agency in accordance with
   specified test methods.

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. Door 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:
   Telephone 323/269-7300, Fax 323/269-7390.
B. Acceptable Products:
   1. Arcadia, Inc., RP325 Series Flush Panel Entrance, 1-
      3/4".
   2. Door stiles, rails shall have a nominal .125" wall
      thickness.

2.02 Materials and Accessories
A. Door and glazing members: Extruded 6063-T6 alloy (ASTM
   B221-Alloy G.S. 10a T6), for 1/4-inch or 1-inch infill.
B. Screws, fastening devices, and internal components:
   Aluminum, stainless steel, or zinc plated steel in accordance
   with ASTM A-164. Providing the steel is properly isolated from
   aluminum.
C. Embossed or plain unpatterned 5005 alloy aluminum sheet
   .060 through .125 inches thick.
D. Hardboard backing shall be 1/8-inch tempered hardboard.
E. Core filled with an isocyanurate rigid foam board.
F. Louvers blade and frame shall be 6063-T6 aluminum alloy.
   1. Louver blade inverted "Y" type shall have a minimum of
      50 percent free airflow
G. Insect Screens: 18-16 mesh, 0.011-inch dia. Aluminum, set in
   6063-T6 extruded aluminum alloy frame, 0.05-inch min
   thickness
H. Glazing Gasket (compression-type design).

2.03 Hardware
C. Hardware furnished and installed by the door manufacturer,
   and include the following standard hardware (as selected):
   1. Weatherstripping: Hard-backed poly pile in door and/or
      frame. Meeting stile of all pair of doors have a double
      line hard-backed poly-pile astragal.
   2. Threshold: Extruded Aluminum with ribbed surface.
4. Pivoting/Hinging: (Center, offset pivot; butt, continuous.)
5. Closers: (Overhead concealed, surface, floor.)
6. Latches/Strike: (Dead-latch combination, two-point.)
7. Latch Handle: (Lever, eurostyle/ w/return, paddle.)
8. Electric Release: (Offset strike, center hung strike.)
9. Locks/Strike: (Maximum security hooklock, deadbolt.)
10. Auxiliary Locks: (Active two-point, active/inactive three-
      point, active three-point, flushbolts.)
11. Cylinders: (Mortise, rim, dummy, thumbturn.)
12. Panic Devices: (Cross, touch bar, flush mid panel.)
13. Push/Pulls: (Standard, offset radius, straight radius.)
14. Cylinder Guard: (Security ring/retainer ring.)
15. Exit Indicator: (Message panel.)
16. Transom Decal: (This door to remain . . . )
17. Door Stop/Holders
   SPECIFIER NOTE: Refer to Arcadia Architectural Manual,
   Hardware Section for description of items 4-17.

2.04 Finish
A. Finish all exposed areas of aluminum and components as
   indicated.
   1. An Architectural Class II or 1 color anodized coating
      conforming with AA-M12C22A44/AA-M12C22A44.
      a. Anodize 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 anodic coating conforming
      with AA-M12C22A44/AA-M12C22A44.
      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) Valspar Corporation
      (c) BASF

2.05 Door Fabrication
A. Door sections to receive and conceal cut edges of face
   sheets.
B. Rails joined to tubular stiles by 3/8-inch steel rods.
C. Face sheets lap and interlock stiles and rails.
D. Prepare internal reinforcement for door hardware.
E. 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 Installation
A. Install in accordance with approved shop drawings and
   manufacturers installation instructions.

3.03 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