

SECTION 084213

ALUMINUM ENTRANCES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Aluminum doors, frames and glazed lights.
- B. Glass.

1.2 SYSTEM DESCRIPTION

- A. System performance to provide for expansion and contraction within system components caused by temperature cycling.
- B. Air and Water Leakage: Shall meet requirements of AAMA-HP.
- C. Design and size members to withstand dead loads caused by pressure and suction of wind.
- D. Drain water entering the framing system, to exterior.

1.3 SUBMITTALS

- A. Shop Drawings: Indicate system and component dimensions; components within assembly; framed openings requirements and tolerances; anchorage and fasteners; glass and infills; door hardware requirements; and affected related work.

1.4 WARRANTY

- A. Provide five (5) year warranty under provisions of Section 01001 including coverage for insulated glass units.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Fabricators:  
Doors: Kawneer: 500 Series or equal.  
Framing Members: Kawneer Trifab II 451 or equal.
- B. Extruded Aluminum: Aluminum alloy, 6063-T5.
- C. Fasteners: Galvanized steel.
- D. Sealant and Backing Materials: As specified in Section 079200.

## 2.2 FABRICATED COMPONENTS

- A. Frames: See Drawings.
- B. Reinforced Mullion: See Drawings.
- C. Doors: See Drawings.
- D. Infill Panels: See Drawings.

## 2.3 GLASS AND GLAZING MATERIALS

- A. Glazing Materials: Exterior fixed gasket, system glazed at factory.  
1" - 1/4 x 1/2 x 1/4 Low E.

## 2.4 HARDWARE - See Hardware Schedule – Specification Section 087100

## 2.5 FABRICATION

- A. Fabricate doors and frames allowing for minimum clearances and shim spacing around perimeter of assembly.
- B. Accurately and rigidly fit and secure joints and corners, flush, hairline, and weatherproof.
- C. Arrange fasteners, attachments, and jointing to ensure concealment from view.
- D. Prepare components with internal reinforcement for door hardware and door operator hinge hardware.

## 2.6 FINISHES

- A. Exterior Aluminum Surfaces: Standard Color TBD
- B. Interior Aluminum Surfaces: Standard Color TBD

Apply bituminous paint to concealed aluminum surfaces in contact with cementitious or dissimilar materials.

# PART 3 EXECUTION

## 3.1 EXAMINATION AND PREPARATION

- A. Verify that wall openings and adjoining air and vapor seal materials are ready to receive work of this section.

## 3.2 INSTALLATION

- A. Install doors, frames, glazing, and flashings in accordance with manufacturer's instructions AAMA - Window, Store Front and Entrance - Guide Specifications Manual.
- B. Use anchorage devices to securely attach frame assembly to structure.

- C. Align assembly plumb and level, free of warp or twist. Maintain assembly dimensional tolerances, aligning with adjacent work.
- D. Coordinate attachment and seal of air and vapor barrier materials. Pack fibrous insulation in shim spaces at perimeter of assembly to maintain continuity of thermal barrier.
- E. Install glass and panels in accordance with Section 088000, using exterior dry method of glazing.
- F. Install perimeter type sealant, backing materials, and installation requirements in accordance with Section 079200.

### 3.3 TOLERANCES

- A. Variation from Plane: 0.03 inches per foot maximum or 0.25 inches per 30 feet; whichever is less.

END OF SECTION