



## INTERIOR ALUMINUM DOOR AND WINDOW FRAMING

### **PART 1 GENERAL**

#### 1.1 SECTION INCLUDES

- A. Interior aluminum door frames and fixed window frames.

#### 1.2 RELATED SECTIONS

- A. Section 08100 – Steel Doors and Frames
- B. Section 08210 – Wood Doors
- C. Section 08520 – Aluminum Windows
- D. Section 08710 – Door Hardware
- E. Section 08810 – Glass

#### 1.3 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations
  - 2. Storage and handling requirements and recommendations
  - 3. Installation methods
- C. Shop Drawings: Submit detailed drawings of interior aluminum frames including:
  - 1. Details of all corners and joints
  - 2. Standard installation and rough opening details for each application
  - 3. Elevations of each opening type
  - 4. Location and installation requirements of door hardware used on frames
- D. Samples: Provide full range of aluminum color samples for finish product specified. Supply two (2) samples of each aluminum frame, not less than 12" long, in the desired finish.

#### 1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Frames shall be manufactured by a single firm regularly engaged in the production of interior aluminum door and window frames having at least 5 years of experience.
- B. Installer Qualifications: Minimum 2 years experience installing similar systems

and acceptable to the manufacturer.

- C. Product Qualifications: Constructed and tested in full compliance at all locations where fire rated assemblies are required by the authority having jurisdiction, frames shall be certified as having been tested in accordance with an approved independent agency's requirements and shall comply with all local governing authorities' standards for fire protection.

## 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products in cartons suitable for storage at the site.
- B. Replace items damaged in delivery, unless damage is minor and can be repaired to match intact items, as determined by Architect.
- C. Store products under cover, raised above ground level, and stacked to prevent warping and to promote air circulation.

## 1.6 COORDINATION

- A. Coordination: Transmit copy of final shop drawings to door manufacturer to Allow prefitting of doors to aluminum frames if such frames are not SMR

## **PART 2 PRODUCTS**

### 2.1 MANUFACTURERS

- A. Alumana, located at 530 El Roya Ave Modesto, Ca 95354  
Tel: 209-492-0988 Fax: 209-492-0994. Email [info@aluminum-frames.com](mailto:info@aluminum-frames.com):  
Web: [www.aluminum-frames.com](http://www.aluminum-frames.com).

### 2.2 ALUMINUM FRAMES

- A. General: Fabricate frames for scheduled openings, in standard manufacturer's styles and profiles, as shown, using concealed fasteners.
  1. Minimum Frames Extrusion Wall Thickness: 0.062 inch
  2. Construction: Base Frame, butt-jointed. Trim to be mitered with hair-line seam.
  3. Door Mute: Provide mohair mute on all door frames.
  4. Glazing Bead: Provide heavy duty Vinyl Glazing Bead, two (2) sides of Glass, to accommodate 1/4 glass.
  5. Frame glass pocket can accommodate 3/8" glass, must be siliconed in.

- B. Size: 1-3/4 inch door thickness
  - 1. Door frame throat size: 3-3/4 inches
  - 2. Door frame throat size: 4-7/8 inches
  - 3. Door frame throat size: 7-1/4 inches
  - 4. Window wall size: 3-3/4 inches, 500 series
  - 5. Window wall size: 4-7/8 inches, 600 series

## 2.3 FABRICATION

- A. General: Factory-fabricate assemblies to greatest extent possible, assuring that installed units will be without warp, twist, bow, or other defect in appearance or function.
- B. Windows/Sidelight Frames: Factory fabricated and complete per manufacturer's standard extrusion details. Coordinate with glass provided as work of another specification section.
- C. Hardware Preparation: Comply with Contract Specifications Section 08710 Specifications for door hardware.

## 2.4 MATERIALS

- A. Extrusion Alloy 6063 T5.

## 2.5 FINISHES

- A. Factory finish all extruded door frames and window frames as directed by the architect.
  - 1. Commercial Clear Anodize: AA-M12C22A21
  - 2. Commercial Dark Bronze Anodize: AA-M12C22A24
  - 3. Paint Finish
  - 4. Powder Coating

## **PART 3 EXECUTION**

### 3.1 EXAMINATION

- A. Examine walls, floors, and ceilings, with installer present, for conditions affecting performance of work.
  - 1.
    - 1. Verify that wall thickness does not exceed standard tolerances allowed by throat size indicated.
    - 2. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 PREPERATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

### 3.3 INSTALLATION

- A. Install frames in accordance with manufacturer's printed instructions and Detailed drawings
- B. Install frames plumb and square securing door frame to the wall through the sides into drywall/stud or other wall construction as specified.
  - 1. Utilize corner alignment clips to assure correct frame connections.
  - 2. Install snap on casing to conceal all fasteners. No exposed fasteners Are visible upon completion of installation.
- C. At all fire rated openings; install frames in compliance with NFPA 80 and Manufacturer's certified installation instructions.

### 3.4 ADJUST AND CLEAN

- A. Clean frame upon completion of installation using mild solution of soap and water or other non-toxic general cleaning solution. Frames should be wiped dry immediately after cleaning. Do not use abrasive cleaning agents or solvents deemed harmful to painted surfaces.

### 3.5 PROTECTION

- A. Provide appropriate protection of pre-finished aluminum frames for duration of project.