



## Specifications section 08120

### **PART 1 – GENERAL**

#### **1.03 REFERENCES**

- A. ASTM (American Society for Testing and Materials)
  - 1. E-152 – Standard specification for extruded aluminum – commercial quality
- B. UL
- C. WARNOCK HERSEY
- D. UBC 7-2-1997

### **PART 2 – PRODUCTS**

#### **2.01 ACCEPTABLE MANUFACTURERS**

- A. Alpha Aluminum Products, Inc., Anaheim, CA 92801  
Phone (714) 210-1507 www.alpha-alum.com

#### **2.02 MATERIALS & FABRICATION**

##### **A. Frames (Alpha)**

- 1. Aluminum alloy 6063-T5 extruded and fabricated to shapes as required for each application, knock down for field assembly
- 2. Nominal wall thickness of frame members: 0.070 inches
- 3. Hinge and strike backing plates to be drilled, tapped and installed by frame manufacturer. Backing plates to be aluminum alloy 6063-T6 with a nominal thickness of 0.125 inches
- 4. Fasteners and hardware: aluminum, stainless steel or other non-corrosive materials compatible with aluminum and acceptable to frame manufacturer. Snap on casing to cover fasteners; exposed fasteners not permitted
- 5. Provide continuous PVC vinyl smoke seal around perimeter of door stop
- 6. Frame design must permit installation over finished walls

##### **B. Casings**

- 1. Aluminum casing to be 1” standard or 1-1/2” flush as selected by architect

## **2.03 FINISHES**

- A. Finish: Thermal-setting polyester to meet or exceed AAMA specification 603.8 or higher
  - 1. Application: Finish must be factory applied to ensure controlled film thickness and smooth surface. Surface imperfections not to be visible from a distance of five feet.
  - 2. Color: Standard or custom color as selected by architect

-or-

- B. Finish: Commercial Clear Anodized

-or-

- C. Finish: Commercial Dark Bronze Anodized

-or-

- D. Finish: Class II Black Anodized

-or-

- E. Finish: Custom Anodized to match Architect's sample

## **PART 3 – EXECUTION**

### **3.01 SURFACE CONDITIONS**

- A. Examine the areas and conditions under which work of this section will be performed. Correct conditions detrimental to timely and proper completion of work. Do not proceed until unsatisfactory conditions are corrected

### **3.02 INSTALLATION**

#### **A. Placing frame**

- 1. Install frames in accordance with manufacturer's instructions
- 2. Coordinate with all wall construction for anchor placement
- 3. Field cut jamb legs, if required, to fit actual finished opening dimensions
- 4. Install plumb and true to lines, with all necessary clips, anchors and fastenings.
- 5. Coordinate installation of glass and glazing to comply with Section 08800 "Glazing" for glazed lights
- 6. Accurately join, fit and reinforce corners to flush hairline joints

#### **B. TOLERANCES**

- 1. Install frames to permit hanging of wood doors to AWI requirements as specified in Section 08800

**C. ADJUSTING AND CLEANING**

1. Adjust hardware for smooth and balanced door movement
2. Clean completed systems promptly after erection, taking care to avoid damage to finishes
3. Remove defective work and replace with work complying with the specified requirements