

## SECTION 10 2310

### CRL FALLBROOK/FALLBROOK XL

#### GLAZED INTERIOR WALL AND DOOR ASSEMBLIES

##### PART 1 GENERAL

###### 1.1. SECTION INCLUDES

- A. Frameless glazed interior wall and door assemblies.

###### 1.2. REFERENCE STANDARDS

- A. AAMA 611 – Voluntary Specification for Anodized Architectural Aluminum; 2019
- B. ASTM B221M – Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles and Tubes (Metric); 2016
- C. ASTM C1036 – Standard Specification for Flat Glass; 2011
- D. ASTM C1048 – Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass; 2012

###### 1.3. ADMINISTRATIVE REQUIREMENTS

- A. Pre-Installation Meeting: Convene at project site seven calendar days prior to scheduled beginning of construction activities of this section to review section requirements.
  - 1. Require attendance by representatives of installer, other entities directly affecting, or affected by, construction activities of this section.
  - 2. Notify Architect four calendar days in advance of scheduled meeting date.

###### 1.4. SUBMITTALS

- A. See Section 01 3000 – Administrative requirements, for submittal procedures.
- B. Product Data: Manufacturer’s descriptive literature for each component in partition assembly and “Tips and Tricks” brochure.
- C. Shop Drawings: Drawings showing layout, dimensions, identification of components, and interface with adjacent construction.
  - 1. Include filed measurements of openings.
  - 2. Include Elevations Showing:
    - a. Locations and identification of door hardware and fittings.
    - b. Locations and sizes of cut-outs and drilled holes for door hardware.
    - c. Location and size of milling groove.
  - 3. Include Details Showing:
    - a. Installation details.
    - b. Appearance of door hardware and fittings.
    - c. Glass connections in corners.
- D. Selection Samples: Sets, representing manufacturer’s full range of available materials (aluminum and gaskets) and finishes.
- E. Verification Samples: Same as selection samples.

- F. Design Data: Design calculations, bearing seal and signature of structural engineer licensed to practice in the state in which the project is located, showing loads at points of attachment to the building structure.
- G. Certificates: Contractor to certify that installer of partition assemblies meets specified qualifications.
- H. Operation and Maintenance Data: For manufacturer-supplied operating hardware.
- I. Warranty Documentation: Submit manufacturer warranty and ensure forms have been completed in owner's name and registered with manufacturer.
- J. Manufacturer's Installation instructions: Include complete preparation and installation requirements.

### **1.5. QUALITY ASSURANCE**

- A. Fabricator Qualifications: Minimum three years of experience designing, assembling, and installing partition assemblies similar to those specified in this section.

### **1.6. DELIVERY, STORAGE AND HANDLING**

- A. Store products in manufacturer's unopened packaging until installation.
- B. Must be stored in a dry place, ideally at room temperature.

### **1.7. WARRANTY**

- A. See Section 01 7800 – Closeout Submittals, for additional warranty requirements.
- B. Correct defective work within a six-month period after date of substantial completion.
- C. Provide five-year manufacturer warranty against excessive degradation of metal finishes.

## **PART 2 PRODUCTS**

### **2.01 MANUFACTURERS**

- A. Framed Glazed Interior Wall and Door Assemblies
  1. CRL Fallbrook Partition System: [www.crl-arch.com](http://www.crl-arch.com)
  2. Substitutions: See Section 01 6000 – Product Requirements

### **2.02 FRAMED GLAZED INTERIOR WALL AND DOOR ASSEMBLIES**

- A. Framed Glazed Interior Wall Assembly: Factory fabricated assemblies consisting of aluminum framing with profile connectors and dry glazing gaskets.
  1. Configuration: As indicated on drawings and assembly instruction.
  2. Profile Width - Fallbrook: 1-3/16" (30mm) floor and wall profile, 1-3/16" (30mm) ceiling profile. Fallbrook XL: 1-11/16" (43mm) floor and wall profile, 1-11/16" (43mm) ceiling profile.
  3. Profile Depth – Fallbrook: 1" (25mm) floor and wall profile, 1-3/8" (35mm) ceiling profile. Fallbrook XL: 1" (26mm) floor and wall profile, 1-3/8" (35mm) ceiling profile.
  4. Frame Finish: Satin Anodized, Brushed Nickel anodized, Matte Black anodized.
  5. Provide wood blocking at sill of glazing frame to match height of floor finish.

6. Connectors made of aluminum and not visible.
  7. Perimeter Anchors: Steel, choice depending on wall, floor and ceiling.
  8. Coordinate wall and door assembly preparation and provide hardware as necessary for fully operable installation.
  9. Use system gaskets only for dry glazing depending on glass thickness.
  10. Design system to withstand normal operation without damage, racking, sagging, or deflection.
  11. Combine profiles on floor and put in partition space to greatest extent practical.
- B. Door profiles for pivoting glass doors: dry glazed fittings and striking plates mounted with hammer-head nuts. Glass connection with side panel as well as mounting directly to the wall possible with same profile. For Glass connection use clip profiles.
1. Door configuration: As indicated on drawings and assembly instruction.
  2. Profile Width: 1-7/8" (48mm) FALLBROOK, 2-1/16" (52mm) FALLBROOK XL
  3. Profile Depth: 1-3/16" (30mm) FALLBROOK, 1-7/8" (48mm) FALLBROOK XL
  4. Glass thicknesses: 5/16" (8mm) – 3/8" (10mm) – 1/2" (12mm) for FALLBROOK, 3/8" (10mm) – 1/2" (12mm) for FALLBROOK XL
  5. Finishes: Satin Anodized, Matte Black Anodized, Brushed Nickel Anodized.
  6. Provide accessories as required for complete installation.
  7. Basis of Design: Catalog No. AH18 Architectural Hardware, 542Z-543Z

### **2.03 FITTINGS AND HARDWARE**

- A. Hinges, Locks and Handles available in different surfaces for FALLBROOK and FALLBROOK XL.

### **2.04 MATERIALS**

- A. Glass: Flat glass meeting requirements of ASTM C1036, Type I Transparent Flat Glass, fully tempered in accordance with ASTM C1048 and as follows:
1. Thickness: As indicated.
  2. Prepare glazing panels for indicated fittings and hardware before tempering.
  3. Polish edges that will be exposed in finished work to bright flat polish.
  4. Temper glass materials horizontally; visible tong marks or tong mark distortions are not permitted.
- B. Aluminum Components: Conforming to ASTM B2251
- C. Finishes according to AAMA 611, Class I

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Verify that field measurements are as indicated.
- B. Verify that track supports are properly braced.
- C. Do not begin installations until supports and adjacent substrates have been properly prepared.
- D. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

### **3.02 PREPARATION**

- A. Clean substrates prior to installation.

### **3.03 INSTALLATION**

- A. Install in accordance with glazed interior wall and door assembly manufacturer's instruction and "Tips & Tricks" Brochure.
- B. Fit and align glazed interior wall and door assembly level and plumb.

### **3.04 ADJUSTING**

- A. Adjust swing door hardware, lock and striking plate for smooth operation using hammerhead-nuts.

### **3.05 CLEANING**

- A. Clean installed work to like-new condition
- B. See Section 01 7419 – Construction Waste Management and Disposal, for additional requirements.

### **3.06 CLOSEOUT ACTIVITIES**

- A. Demonstrate operation of glazed interior wall and door assembly and identify potential operational problems.

### **3.07 PROTECTION**

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before date of Substantial Completion.

**END OF SECTION**