

ABS - Architectural Components

8401 Rovana Cir. Sacramento CA. 95828

Toll Free Number: (866) 566-2161

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SPECIFICATION 08120 – INTERIOR ALUMINUM FRAMES

PART 1 – GENERAL

1.1 Section Includes:

- A. Pre-finished interior aluminum door frames and window frames

1.2 Related Sections:

- A. Section 08100 Steel Doors and Frames
- B. Section 08211 Flush Wood Doors
- C. Section 08410 Aluminum Entrances and Storefronts
- D. Section 08520 Aluminum Windows
- E. Section 08710 Door Hardware
- F. Section 08800 Glass and Glazing

1.3 SUBMITTALS:

- A. Product Data: Submit manufacturer's detailed drawings as provided for under Section 01300, including fabrication and installation instructions.
- B. Shop Drawings: Submit complete detailed drawings of interior aluminum frames including:
 - 1. Standard installation and rough opening details for each application.
 - 2. Elevations and details of all frames.
 - 3. Details of all corners and joints.
 - 4. Locations of door hardware used on frames.
- C. Samples: Provide full range of aluminum color samples for architectural selection of finish. Supply two (2) samples of each aluminum frame, not less than 12" long, in the desired finish.

1.4 QUALITY ASSURANCE

- A. Frames shall be manufactured by a single firm regularly engaged in the production of interior aluminum door frames and window frames.
- B. Fire Rated Assemblies:
 - 1. 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 testing agency's requirements and shall comply with all local governing authorities' standards for fire protection.
 - 2. Provide labels permanently secured to all fire rated door frames indicating compliance with the testing authority's requirements. Provide written supplemental instructions with aluminum frames complying with UBC 7.2 (1997 edition) for "positive pressure".

INTERIOR ALUMINUM FRAME SPECIFICATION



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1.5 DELIVERY, STORAGE AND HANDLING

- A. Deliver frames in crates or cartons suitable for protection during transit to and storage at the jobsite.
- B. Upon receipt, inspect frames for damage. Replace frames that cannot be repaired satisfactorily to the architect.
- C. Store frames on site under cover above ground level to protect from moisture. Storage of frames should be as close to final installation as possible in secure location on site.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Provide products as manufactured by:

“ABS – Architectural Components” (ABS - AC)

8401 Rovana Cir. Sacramento, CA. 95828

2.2 MATERIALS

- A. Extrusion alloy of 6063-T5 with a minimum wall thickness of .063.

2.3 EXTRUDED ALUMINUM FRAMES

- A. ABS - AC Series 334, 478, 514, 512 and 714. Fabricate frames for openings utilizing specified styles and profiles. Frames include snap-on casing to conceal all fasteners. Casings shall be mitered or square cut as directed by the architect. All doorframes include Santoprene® door seal.
 - 1. Throat sizes include 3-3/4”, 4-7/8”, 5”, 5-1/4”, 5-1/2” and 7-1/4” for door and window frames.
 - 2. ABS - AC “ADJ” frame is adjustable for wall thickness from 3-1/2” to 11-1/8”
 - 3. ABS - AC casings include 1”, 1-1/2”, 2” and 4” lending to various frame profiles.
 - 4. Window frames include “top load” glazing bead for 1/4”, 3/8” and 1/2” thick glass.

2.4 FABRICATION

- A. Pre-fabricate all aluminum door frames including drilled and tapped hardware reinforcements including 4 ½ full mortise butt hinges, ASA (ANSI) strikes, Cylindrical “T” strikes, reversible flush bolt strikes and deadbolt strikes. Extended lip strikes are not required on wide stop frame profile. Special hardware reinforcements supplied upon request.
- B. Supply Santoprene® style door seal and glazing beads as required.
- C. Intumescent seals used on fire rated frames shall be concealed in an integral pocket of the jambs. Doors in frames over 3’-6” in width shall have a supplemental intumescent tape surface applied to the top of the door(s).

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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 (complies with AAMA Spec. 611)
 - 3. Class II Black Anodize: AA-M12C22A34 (complies with AAMA Spec. 611)
 - 4. Polyester Paint Finish: (complies with AAMA 603.8 baked enamel thermoset polyester finish - electrostatically applied) Call for quote.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify existing jobsite conditions. Check wall thickness and rough openings of assemblies prior to installation.

3.2 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. 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.

3.3 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 finishes.

3.4 PROTECTION

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