



SECTION 7

Specifications

Re-handling Instructions

Section 08120 - Interior Aluminum Frames

RE-HANDING INSTRUCTIONS OF
SMR® ALUMINUM FRAMES

NOTE: It is not required to remove the Jamb from the wall to change hand of frame

1. Refer to ‘INSTALLATION OF SMR® DELTA DOOR FRAME WITH MILLED JAMB & MITERED TRIM’ & ‘INSTALLATION OF SMR® DELTA DOOR FRAME ASA STRIKE BACKER ASSEMBLY’ for drawings and additional information.
 2. Use extreme care not to damage the finish of the frame when removing components.
 3. Using a sharp edged putty knife (or similar too), insert the sharp edge of the tool between the Closure and Jamb along the face of the frame. Separate the Closure from the Jamb approximately 1/16” along the full length of the Closure.
 4. Once the full length of the closure has been separated in Step 3, separate the Closure further. Begin at one end, and separate the Closure to approximately ¼”, working you way along the length of the Closure again. When complete, the Closure will be “loose” but not “free”.
 5. Closure can now be removed from the Jamb with light to moderate force applied from a soft rubber hammer or other soft tool.
 6. Repeat Steps 3 through 5 for all Closure pieces on both the Strike Jamb and the Hinge Jamb.
 7. Remove the Strike Plate. (If the ASA Strike Backer Unit was provided, remove the lock manufacturer’s strike plate and the backer unit. See “INSTALLATION OF SMR® DELTA DOOR FRAME ASA STRIKE BACKER ASSEMBLY” and reverse steps for removal of backer unit.) To remove the MODULEX snap in Strike Plate, use a wood block and hammer. Place the wood block against the back edge of the lip of the strike at a 45 degree angle to the wall. Hit the block with a hard hammer blow. The retaining leg is two stepped, two hits may be necessary. Do not attempt to PRY the strike off.
 8. Remove Hinge Back Up Plates. See “INSTALLATION OF SMR® DELTA DOOR FRAME WITH MILLED JAMB & MITERED TRIM” and reverse steps for removal of back up plates.
 9. Hang door per the new handing and “INSTALLATION OF SMR® DELTA DOOR FRAME WITH MILLED JAMB & MITERED TRIM” Steps # 11 through 14, during this process, re-install all Closure removed in Steps 3 through 6.
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SMR[®] Aluminum Door Frames and Glazing

SMR[®] Door Frames Notes & Specifications

Part 1: General

1.1 Scope- Furnish SMR[®] Aluminum Door and Window Frames as indicated on plans and specified hereunder.

1.2 Qualifications- All materials included herein, except as noted, shall be supplied by Modulex.

1.3 Submittals- Contractor shall submit shop drawings showing attachment to adjacent work and partitions for door/window openings as required.

1.4 Fire Ratings- SMR[®] Delta 20-minute rated aluminum door frame assembly with single or double sidelight. Door size not to exceed 48 x 120 inches when used with single (24 x 120 inch) sidelight; and 36 x 120 inch when used with double sidelight (24 x 120 maximum each side). SMR[®] Delta 20-minute rated aluminum door frame assembly not to exceed 48 x 120 for a single and 96 x 120 inches for a pair.

Part 2: Products

2.1 Materials

a. Door Frames- SMR[®] DELTA (two and three piece), (commercial clear, bronze and black anodized or painted aluminum). Self-mortising, non-handed, and reversible. Throat openings as required. All fasteners concealed except in finish hardware. Delta demountable with 100% salvageability, factory fabricated.

b. Windows/sidelight Frames- SMR[®] glazing sections (commercial clear, bronze and black anodized or painted aluminum). (* 3-3/4", 4-7/8" as standard). Factory fabricated and complete per manufacturer's standard extrusion details. Glass furnished by others.

c. Frame Labels- shall be furnished as required by governing code bodies, State Fire Marshall and ICC, for 20 minute openings.

Part 3: Execution

3.1 Door/Window Frame Installation- Install into properly prepared partition openings, plumb square, level, and align with partition, in accordance with current printed directions with no exposed fasteners. Fit all joints accurately and snug, install steel corner clips at each corner, both sides of frame.

3.2 Cleanup- Clean door and window frames, if necessary, using mild soap and water. Do not use abrasive agents.

Notes to Architect

1. Door frame throat sizes available include 3-3/4", 4-7/8", 5-1/4", and 7-1/4". As standard supply.

2. Window wall sizes include: 3-3/4" and 4-7/8", 5-1/4", and 7-1/4"

3. Door width 1-3/4". Door-leaf mortise should leave 5/16" backset.

4. Standard packaging is one frame per carton, and one frame/sidelight or window frame per carton. Each door frame package includes detailed installation instructions.

5. Drawings are required showing elevation details and rough or inside opening dimensions for all door/window frame combinations and window frames.

Notice: We shall not be liable for incidental and consequential damages directly or indirectly sustained nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or should have been reasonably discovered. Trademarks used herein are owned by NIE/Modulex. SMR[®] is registered at the U.S. Patent Office by NIE/Modulex.

SECTION 08120 - INTERIOR ALUMINUM FRAMES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Standard interior aluminum door frames and fixed window frames.
- B. Related Sections:
 - 1. Wood Doors: Elsewhere in Division 8.
 - 2. Door hardware: Elsewhere in Division 8.
 - 3. Glass and glazing: Elsewhere in Division 8.

1.2 REFERENCES

- A. ALUMINUM EXTRUSION MANUAL by the Aluminum Extrusion Council -- Recommended Alloys.
- B. ALCOA- Anodic Finish Designations.

1.3 SUBMITTALS

- A. Product Data: Submit manufacturer's printed product information indicating compliance with specified requirements.
- B. Shop Drawings: Submit drawings for fabrication and installation of interior aluminum frames, including the following information:
 - 1. Details of construction, joints, and connections.
 - 2. Details of each frame type, including anchorage.
 - 3. Elevations of each opening type.
 - 4. Conditions at openings, including coordination with glass and glazing requirements.
 - 5. Location and installation requirements of door hardware and reinforcements.
 - 6. Schedule of openings coordinated with numbering system used in contract documents.
- C. Quality Assurance Certification: Submit manufacturer's certification that products have been constructed and tested in full compliance with the ALUMINUM EXTRUSION MANUAL and ALCOA- Anodic Finish Designations.
- D. Samples - Initial Selection: Submit manufacturer's color selections of actual materials

including standard colors & finishes available.

1.4 QUALITY ASSURANCE

- A. Quality Standard: Comply with the ALUMINUM EXTRUSION MANUAL and the ALCOA- Anodic Finish Designations.
- B. Labeled Assemblies: At all locations where fire-rated door and frame assemblies are required, provide assemblies which comply with NFPA 80 and have been tested and labeled in accordance with ASTM E 152 by agency acceptable to governing authorities. All frames and doors shall have UL, ICC ES, I.C.B.O., Warnock Hersey, Factory Mutual, or California State Fire Marshal Label.
- C. Coordination: Transmit copy of final shop drawings to wood door manufacturer to allow prefitting of wood doors to aluminum frames.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products in crates or 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. Prevent moisture from accumulating and remove saturated packaging before products can be damaged.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Products of the following manufacturers, provided they comply with requirements of the contract documents, will be among those considered acceptable:
 - 1. Modulex Inc.
4944 Boylan St.
Bakersfield, Ca 93308
T 661.323.3760 F 661.322.6714

2.2 MATERIALS

- A. Extrusion Alloy: 6063 T5
- B. Finishes: Commercial Clear Anodized #AAM10 C22 A21, Bronze Anodized #AAM10

C22 A24, or as selected by the Architect.

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. Hardware Preparation: Comply with DHI A115 series specifications for door and frame preparation, using final hardware schedule and templates from hardware supplier.
 - 1. Reinforcement: Reinforce frames for field-installed exposed hardware items. Provide frames non-handed, Self Mortising and Reversible, for placement of Hinges and Strike Plates in the field.
 - 2. Locations: Comply with final shop drawings and approved wood door submittals.

2.4 ALUMINUM FRAMES

- A. General: Fabricate frames for scheduled openings, in standard manufacturer's styles and profiles, as shown, using concealed fasteners.
 - 1. Minimum Frame Extrusion Wall Thickness: .080".
 - 2. Construction: Base Frame, butt-jointed. Trim to be mitered with hair-line seam.
- B. Door Mute: Provide heavy duty Vinyl Mute at all door frames.
- C. Glazing Bead: Provide heavy duty Vinyl Glazing Bead, one side of glass, to accommodate 1/4" or 3/8" glass.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. General: Install aluminum frames and accessories to comply with manufacturer's recommendations.
 - 1. Comply with detailed installation requirements of final shop drawings.
- B. Frame Installation:
 - 1. General: Adhere to manufacturer's recommendations.
 - 2. Place pre-finished frames after wall finishing is complete, braced securely to achieve plumb, planar installation. Remove braces after anchorages have achieved final set, leaving frames in smooth, undamaged condition.
 - 3. Anchors: Use screws, per manufacturers standard installation instruction, for secure attachment to wall conditions.
 - 4. Fire-rated openings: Comply with manufacturer's requirements and requirements of NFPA 80.

3.2 ADJUST AND CLEAN

- A. Clean-Up: Clean frames, if necessary, using mild soap and water. Use NO abrasive agents.
- B. Final Operating Adjustments: Check hardware at all openings for proper operation of doors, making final corrections as required to assure that work of this section is complete and undamaged.

END OF SECTION 08120