

SECTION 08120

ALUMINUM DOORS AND FRAMES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Aluminum doors, frames, mullions, thresholds, weatherstripping, trim, and miscellaneous attachments and fastenings.

1.2 RELATED SECTIONS

- A. Section 07900 - Joint Sealers.
- B. Section 08710 - Door Hardware.
- C. Section 08800 - Glass and Glazing.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's catalog data, detail sheets, and specifications.
- C. Shop Drawings: Prepared specifically for this project; show dimensions of aluminum doors and frames and interface with other products.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Factory-trained, with minimum 3 years experience.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Provide products made by Dor-O-Matic, 7350 West Wilson Avenue, Harwood Heights, IL 60656-4786. ASD. Tel: (708) 867-7400 or (800) 543-4635. Fax: (708) 867-0291.
- B. Requests for substitutions will be considered in accordance with provisions of Section 01600.
- C. Substitutions: Not permitted.

- D. Provide all aluminum doors and frames from a single manufacturer.

2.2 DOORS AND FRAMES

- A. Doors and Frames: Extruded aluminum alloy, nominal 0.125 inch (3.17 mm) thick.
 - 1. Finish: Natural anodized.
 - 2. Finish: Dark bronze anodized.
 - 3. Finish: Black anodized.
 - 4. Finish: Kynar 500 coating; color: _____.
 - 5. Finish: Clad.

- B. Door Construction:
 - 1. Through-rod bolted for securing lock and pivot stiles to top and bottom rails.
 - 2. Top Rail:
 - a. Web: 1/4 inch (6.3 mm) thick minimum.
 - b. Factory-prepare to accept top door arm, Dor-O-Matic 880-000.
 - c. Provide six custom steel press nuts to accept screws for mounting door arm to rail.
 - 3. Bottom Rail:
 - a. Factory-prepare to accept fast set bottom pivot, Dor-O-Matic 10140-000.
 - b. Provide four custom steel press nuts for securing bottom pivot.

- C. Narrow Stile Doors:
 - 1. Top Rail: 2-1/2 inches (63 mm) high.
 - 2. Top Rail: _____ high.
 - 3. Bottom Rail: 3-1/2 inches (89 mm) high.
 - 4. Stiles: 2 inches (51 mm) wide.

- D. Medium Stile Doors:
 - 1. Top Rail: 3-1/2 inches (89 mm) high.
 - 2. Bottom Rail: 5 inches (127 mm) high.
 - 3. Bottom Rail: _____ high.
 - 4. Stiles: 3-3/4 inches (95 mm) wide.

- E. Frame and Mullion Construction:

2.3 THRESHOLDS

2.4 WEATHERSTRIPPING

2.5 TRIM

2.6 MISCELLANEOUS ATTACHMENTS

2.7 FASTENINGS

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that door openings are plumb, square, and ready for installation of aluminum doors and frames.

3.2 INSTALLATION

- A. Install doors, frames, hardware, and accessories in accordance with manufacturer's instructions.

3.3 ADJUSTING AND CLEANING

- A. Adjust doors for proper operation, without binding or scraping and without excessive noise.

END OF SECTION