

Section 08120 — Aluminum Doors and Frames

This section is based on the products of Dor-O-Matic, an Ingersoll-Rand business, located at:

7350 W. Wilson Avenue
Harwood Heights, IL 60706
Tel: (708) 867-7400
Tel: (800) 543-4635
Fax: (708) 867-0291

Dor-O-Matic is one of the oldest, most experienced innovative manufacturers of aluminum doors, frames and automatic door equipment.

Part 1 General

1.1 Section Includes

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

1.2 Related Sections

Delete sections below not relevant to this project; add others as required.

- 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 60706. 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. Provide all aluminum doors and frames from a single manufacturer.

Part 3 Doors and Frames

3.1 Doors and Frames: Extruded aluminum alloy, nominal .125" thick.

A. Select finish below.

1. Finish: Aluminum anodized.
2. Finish: Dark bronze anodized.
3. Finish: Black anodized.
4. Finish: Paint.

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" (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 bottom pivot (Dor-O-Matic 10160-000).
 - b. Provide four custom steel press nuts for securing bottom pivot.
 - c. Bottom rail must be one piece construction and not stacked.

Delete narrow stile or medium stile doors below if not required for project.

C. Narrow Stile Doors:

Standard top rail is 2-1/2" (63 mm) high; optional heights of 3-1/2" (89mm high) and 5" (127 mm high) are available. Delete either 1 or 2 as required.

1. Top Rail: 2-1/2" (63 mm) high standard.
2. Top Rail: _____ high. (Indicate optional 3-1/2" or 5".)

Standard bottom rail is 3-1/2" (89 mm high). Optional heights are available to 10". Delete either 3 or 4 as required.

3. Bottom Rail: 3-1/2" (89 mm) high standard.
4. Bottom Rail: _____ high. (Indicate optional 5", 7-1/2" or 10".)

5. Stiles: 2" (51 mm) wide.

D. Medium Stile Doors:

Standard top rail is 3-1/2" (63 mm) high; optional heights of 2-1/2" (63 mm high) and 5" (127 mm high) are available. Delete either 1 or 2 as required.

1. Top Rail: 3-1/2" (89 mm) high standard.

2. Top Rail: _____ high. (Indicate optional 2-1/2" or 5".)

Standard bottom rail is 5" (127 mm) high; optional heights are available to 10" (254 mm) high. Delete number 3 or 4 as required.

3. Bottom Rail: 5" (127 mm) high standard.

4. Bottom Rail: _____ high. (Indicate optional 3-1/2", 7-1/2" or 10".)

5. Stiles: 3-3/4" (95 mm) wide.

Part 4 Execution

4.1 Examination

A. Verify that door openings and doors are properly installed and ready for installation of automatic door equipment.

B. Verify that electrical service is available, properly located and of proper type.

4.1 Installation

A. Install in accordance with manufacturer's instructions; comply with ANSI A156.10.

B. Verify that electrical connections are made correctly and with dedicated grounding.

4.2 Adjust and Clean

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

B. Clean Glass.

C. Supply Owner/Contractor with AAADM Certified Daily Safety Check.

D. Supply Owner/Contractor with keys if required.

E. Supply Owners Manual.

End of Section