

Section 08162 — Dor-O-Matic Slimline ICU/CCU Sliding Doors

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 and most experienced manufacturers of automatic door equipment. This section covers only a part of their product line: "ICU/CCU-Hospital" sliding doors with accompanying accessories, including necessary hardware. See other sections for automatic swinging doors, automatic sliding doors, automatic folding doors, low-energy door operators.

Part 1 General

1.1 Section Includes

Select letter below applicable to project. slimline header: 2-3/4" (70 mm) high, 4-1/2" (114 mm) wide; slimline telescopic header: 2-3/4" (70 mm) high, 7" (178 mm) wide.

- A. Slimline two-leaf sliding doors, panels, jambs and hardware.
 - 1. Trackless (clear opening – no threshold jamb to jamb).
 - 2. Floor track under SO panel (no threshold in door opening).
- B. Slimline three-leaf sliding doors, panels, jambs and hardware.
 - 1. Trackless (clear opening – no threshold jamb to jamb).
 - 2. Floor track under SO panel (no threshold in door opening).
- C. Slimline four-leaf sliding doors, panels, jambs and hardware.
 - 1. Trackless.(clear opening – no threshold jamb to jamb).
 - 2. Floor track under SO panel (No threshold in door opening).
- D. Slimline telescopic six-leaf sliding doors, panels, jambs and hardware.
 - 1. Floor track extending 2/3 across package from each SO panel end.
- E. Slimline telescopic three-leaf sliding doors, panels, jambs and hardware.
 - 1. Floor track extending 2/3 across package from SO panel end.

1.2 Related Sections

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

- A. Section 03300 – Cast-in-Place Concrete: Preparation of concrete to accept recessed floor track.
- B. Section 07900 – Joint Sealers.

- C. Section 08800 – Glass and Glazing.
- D. Section _____ – _____.

1.3 References

Add other references below as required.

- A. NFPA 101 – Safety to Life from Fire in Buildings and Structures.

1.4 Definitions

- A. SX Panel: Sliding panel that swings open upon pushing.
- B. SO Panel: Sidelight panel, normally stationary, which will swing open upon pushing.

1.5 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 doors, sidelights, details of construction and interface with other products.
- D. Operating and Maintenance Data: Operating and maintenance instructions and parts lists.

1.6 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, an Ingersoll-Rand business.
- B. Requests for substitutions will be considered in accordance with provisions of Section 01600.

Delete either B above or C below; coordinate with Division 1 requirements.

- C. Provide all ICU/CCU sliding doors from a single manufacturer.

2.2 Doors and Frames

Slimline ICU/CCU-hospital sliding doors are available from Dor-O-Matic in complete packages, including aluminum doors, sidelights, frames and hardware.

- A. Doors, Sidelights, Headers and Trim: Extruded aluminum alloy 6063-T5, nominal .125" wall thickness
 - 1. Door and Sidelight Construction: Heavy-duty interlocked sections, through-rod bolted construction; steel corner support at hinge stile of carrier-suspended SX panels to reduce sag in sliding or breakout mode.

Include the following three letters for slimline trackless, full break-out doors
(not available on telescopic).

- a. Combination Support Guide: SX panel.
- b. Roller Assembly: SO sidelight panel.
- c. Glass Jacking Screw Assembly: SO sidelight panel.

2. Door Hanger Brackets: Nylon wheels with hardened steel bearings.

Include the following for Standard doors.

3. Door Suspension System: SX breakout panels suspended over center line of door.
4. Glazing Stops: 5/8" (15.87 mm) high.

Include the following for slimline trackless, full break-out doors (not available on telescopic).

5. Pivot Base Plate: Under each SO sidelight panel.
6. Concealed Floating Pivots: In each panel.
 - a. Door must not sag or contact floor when open.

Select #7 below for slimline doors with floor track, #8 for trackless slimline doors and #9 for slimline telescopic doors.

7. Headers: 2-3/4" (70 mm) high, 4-1/2" (114 mm) wide.
 - a. Built-in anti-riser system.
8. Headers: 2-3/4" (70 mm) high, 4-1/2" (114 mm) wide with extruded aluminum stop bar mounted to door to prevent SX panel from swinging until slid back to full position.
 - a. Built-in anti-riser system.
9. Headers: 2-3/4" high (70 mm), 7" (178 mm) wide.
 - a. Build-in anti-riser system.
10. Hardware: Door handles, recessed door pulls and other hardware required for normal and emergency egress operation per NFPA 101.

Select letter A below for slimline doors with floor track; letter B for trackless full breakout Slimline doors, letter C for slim line telescopic doors with floor track

- a. Emergency Egress: Spring-loaded stainless steel ball detent latch on SO and SX panels, allowing 90 degree swing of both panels under minimum pressure from any position in SX panel cycle.
- b. Emergency Egress: Spring-loaded stainless steel detent latch on SX panel and flush bolt in SO panel releasable after SX panel is in full open position allowing 90 degree swing of both panels as a single unit under minimum pressure.
- c. Emergency Egress: Spring-loaded stainless steel ball detent latch on SO and SX panels, allowing 90 degree swing of both panels under minimum pressure from any position in SX panel cycle.

- d. Self latching, quick release positive latching available on slimline floor track under SO panel.

For positive latching, select floor track under SO panel in one of the following configurations: SO-SX-SX-SO, SX-SO (RH) or SO-SX (LH)

11. Positive latching: manually operated, self-closing, quick release latch that opens when door is rotated as little as 45 degrees.
 - a. Latch handle should be a shape that is easy to grasp with one hand and does not require tight gripping or twisting.
 - b. When sliding doors are fully open, operating hardware shall be exposed and usable from both sides.

Delete all but one of the following.

Dark bronze and natural anodizing are standard options — all other finishes are extra.

12. Finish: Dark bronze anodized.
13. Finish: Aluminum anodized.
14. Finish: Paint.

Delete the following if only trackless doors are required.

- B. Track: Door guide track recessed in floor.

Part 3 Execution

3.1 Examination

- A. Verify that door openings are plumb, square and ready for installation of slimline ICU/CCU sliding doors.

Delete the following for trackless installations.

- B. Verify that concrete is properly prepared to receive recessed door guide track.

3.2 Installation

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

Delete the following for slim line trackless installations.

- B. Install recessed door guide track in accordance with manufacturer's instructions.

3.3 Adjust and Clean

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

End of Section