

Section 08 42 43

MANUAL SLIDE-SWING DOORS

SERIES 5900 RAPID ACCESS ICU/CCU DOORS

PART 1: GENERAL

1.01 SUMMARY

- A. WORK INCLUDED: Furnish and install manual aluminum door system(s), factory fabricated for intensive care / critical care applications. Door packages shall be complete and without damage or defect.
- B. RELATED WORK:
 - 1. Section 07900 – Joint Sealers
 - 2. Section 08400 – Entrances and Storefronts
 - 3. Section 08700 – Hardware
 - 4. Section 08800 - Glazing

1.02 REFERENCES

- A. American Architectural Manufacturers Association – AAMA 101
- B. American National Standards Institute - ANSI Z97.1
- C. The Aluminum Association – Designation System for Aluminum Finishes
- D. National Fire Protection Association - NFPA 101

1.03 SUBMITTALS

- A. PRODUCT DATA: Provide complete product and installation documentation as provided by the manufacturer.
- B. SHOP DRAWINGS: Provide details of door construction including profiles, dimensioned layout, and assembly including finish, glazing, and anchoring requirements.
- C. Contract Closeout: Provide manufacturer's Warranty documentation and Owners Manual (if applicable).

1.04 QUALITY ASSURANCE / WARRANTY

Manufacturer must have a minimum of five (5) years experience in the fabrication of aluminum-and-glass door assembly similar to those specified. Door packages shall be warranted against defect in material and workmanship for a period of one year from the date of installation.

1.05 PROJECT CONDITIONS

Verify installation conditions with dimensional check of frame openings, including plumb and square, and floor conditions.

PART 2: PRODUCT

2.01 MANUFACTURER

Manual sliding door packages as detailed shall be supplied by record-usa, Monroe, N.C., a member of the record group.

2.02 DESIGN

- A. SLIDING DOOR PACKAGE: Manual sliding door packages shall include slide/swing door panel(s), fixed/swing side panel(s), side jambs, headers with track, door bottom guides, and manual door pulls.
- B. HEAD SECTION: Continuous extruded aluminum header and cover shall conceal continuous roller track with integrated anti-derail. Door carrier assemblies incorporate four precision, sealed ball bearing rollers and Grade 8 alloy steel hanger bolts.

- C. FRAMES AND DOORS: Side jambs shall be 1-3/4" X 4-1/2" closed aluminum tube (1-3/4" X 6-3/4" for telescoping systems). Door construction shall include 1-3/4" profiles and shear block/corner gussets in each corner. Concealed door bottom guides shall provide stable door movement, and shall slide in (select one)

1. surface applied pin track with no obstructions/bumps in the door opening area; or,
2. recessed pin track with no obstructions/bumps in the door opening area; or,
3. trackless bottom guide, concealed in the adjacent panel.

Trackless units shall include manual flush bolt securing the swing sidelite; for full open access the flushbolt is released and slide/swing panels slid to the full open position. Weather seals shall be included on adjoining surfaces and panels shall be sized to avoid pinch points.

- D. HARDWARE: Positive Latch handles shall be located on both sides of the swing/slide panel. Latching of the panel at the closed position must occur in the header. Concealed access hatches are provided for servicing the latch mechanism.

1. The positive latch mechanism will insure the door remains closed and will not bounce open during normal use.
2. The motion required to unlatch and open the door must be one continuous action.
3. Dead latches protruding from the leading edge of the sliding panel at handle height will not be allowed, as the latch hook will catch clothing and equipment passing through the doorway.
4. An emergency release pin, located on both sides at the top of the slide door panel, provides a secondary direct release of the positive latch mechanism.

2.03 MATERIALS AND FINISH

All structural aluminum shall be 6063-T5 tempered alloy, with exposed surfaces to be integral color anodized (*painted*) to one of the following finishes:

- A. 204-R1 Clear
- B. Class 1 two-step, hardcoat dark bronze
- C. Other anodized or painted finish as specified.

PART 3: EXECUTION

3.01 INSPECTION

Inspect frame openings for correct size, plumb and square, and level floor for safe and reliable performance. Provide written notification of conditions not acceptable to the installer and/or manufacturer. Proceed with installation only after necessary corrections are made for suitable operation.

3.02 INSTALLATION

Install package plumb, square, and level in properly prepared and supported opening, using specified fasteners, as required by the manufacturer and as detailed on approved shop drawings.

3.03 INSTRUCTION

Following the installation and final adjustments, the installer/record-usa distributor shall fully instruct the facility manager/supervisor as to correct operating procedure and safety requirements of the sliding door system.

3.04 FINAL CLEANUP

After installation and adjustment for smooth, reliable operation, clean the door package and remove all surplus material, equipment, and debris incidental to this work.

END OF SECTION