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The Automatic Choice

ARCHITECTURAL SPECIFICATIONS

MANUAL ICU/CCU ENTRANCES

Profiler®-ICU MAX

A27.1

Trackless Slide Door System

Intensive Care Unit & Patient Access

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DIVISION 08 - OPENINGS

SECTION 08 42 43 – INTENSIVE CARE UNITS / CRITICAL CARE UNIT ENTRANCES

Specifier Note: Coordinate and edit articles and paragraphs below to suit project requirements. Add section numbers and titles per CSI "MasterFormat" and specifier's practice. Consult with manufacturer regarding performance requirements for units applicable to project, as well as, related equipment and accessories required.

PART I – GENERAL

1.01 SUMMARY

- A. WORK INCLUDED: Furnish complete intensive care aluminum door system, as specified, that has been manufactured, fabricated and installed to maintain performance criteria stated by manufacturer without defects, damage or failure.
- B. RELATED WORK:
 - 1. Concrete: Division 03, applicable sections.
 - 2. Masonry: Division 04, applicable sections.
 - 3. Openings: Division 08, applicable sections

1.02 REFERENCES

- A. AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION (AAMA) 101: Appendix Dissimilar Materials
- B. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI): ANSI Z97.1: Safety Glazing Materials Used in Buildings
- C. AMERICAN SOCIETY FOR TESTING & MATERIALS (ASTM) B221: Aluminum-Alloy Extruded Shapes & Tubes
- D. THE ALUMINUM ASSOCIATION (AA) Aluminum Finishes Manual

1.03 SUBMITTALS

- A. SHOP DRAWINGS & PRODUCT DATA: Submit drawings and product data showing layout, profiles, product components including anchorage, accessories, finish and glazing details (where required).
- B. CLOSEOUT SUBMITTALS: Submit Owner's Manual & Warranty document as specified herein.

1.04 QUALITY ASSURANCE

- A. INSTALLERS QUALIFICATIONS: Installer experienced to perform work of this section who has specialized in the installation of work similar to that required for this project and who is acceptable to product manufacturer.
- B. MANUFACTURER'S QUALIFICATIONS: Manufacturer to have minimum (5) five years successful experience in the fabrication of intensive care doors of the type required for this project. Manufacturer capable of providing field service representation during installation, approving acceptable installer and approving application method.

1.05 WARRANTIES

- A. MANUFACTURER'S WARRANTY: Units to be warranted against defect in material and workmanship for a period of one year from the Date of Substantial Completion. Manufacturer's warranty is in addition to, and not a limitation of, other rights owner may have under Contract Documents.
- B. DISTRIBUTOR'S WARRANTY: 1 year warranty: Labor & transportation charges for defective parts replacement.



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1.06 PROJECT CONDITIONS

FIELD MEASUREMENTS: Verify actual dimensions/openings by field measurements before fabrication and record on shop drawings. Coordinate with fabrication and construction schedule to avoid construction delays.

1.07 DELIVERY, STORAGE AND HANDLING

- A. ORDERING AND DELIVERY: Comply with factory's ordering instructions and lead time requirements. Delivery shall be in factory's original, unopened, undamaged containers with identification labels intact.
- B. STORAGE AND PROTECTION: Provide protection from exposure to harmful weather conditions and vandalism.

PART II – PRODUCTS

2.01 MANUFACTURER

HORTON AUTOMATICS, a division of Overhead Door Corporation, shall manufacture intensive care sliding door(s) of type(s) and size(s) specified on plans and door schedule.

2.02 EQUIPMENT

- A. MANUFACTURED DOOR UNITS: Shall include header with roller track, carrier assemblies, framing jambs, sliding door panel, sidelite and accessories required for complete installation.
1. Configuration: Single Slide
 2. Mounting Type: Perimeter mounted within rough opening with sliding panel sliding along sidelite.
 3. Door Type: Type 310 Trackless: Slide-swing panel 'SX' shall slide along interior side of swing-out sidelite 'SO' utilizing trackless floor system with no floor track/guide or recess required.
 4. Units to provide minimum of 37" (940mm) of clear slide opening width.
- B. HEADER: Shall be 4" (102mm) deep by 2 1/2" (63mm) high. Header to be aluminum with removable face plate.
1. Optional Profiler® header: 4" (102mm) deep by 6" (152mm) high.
 2. Optional Profiler® header with Self-Closing mechanism: Shall require no electrical power and shall be fully concealed within header. Coiled spring under tension attached to sliding door shall work with hydraulic damper to provide adjustable 6-8 lbs of closing force. Manual opening force shall not exceed 12 lbs.
 - a. Mechanical Hold-Open: Engaged when 8-12 lbs. of force is applied to door panel in full open position. Shall be disengaged when 6-8 lbs. of force is applied to door panel.
- C. CARRIER ASSEMBLIES AND HEADER ROLLER TRACK: Carrier assemblies shall support door panels with minimum four rollers per panel. Rollers will be steel, high quality ball bearing wheels 1-1/4" (32mm) diameter. Anti-Derailing shall be accomplished by means of a continuous aluminum extrusion full length of slide panel travel. Overhead header roller track shall be continuous aluminum, nylon covered, and replaceable
- D. SLIDE-SWING PANEL AND SWING-OUT SIDELITE: Shall be aluminum, 1 3/4" (44mm) deep with narrow stile construction. Weather-stripping to be along vertical rails of sliding panel and swing-out sidelite. Concealed guides to stabilize bottom of sliding panel. Standard glazing prep to be for 1/4" (6mm) glass.
1. Total weight limit per panel shall be: 156 lbs. (70.7 kg) for UL listed slide-swing panel
 2. Sliding Panel and Sidelite Options shall be:
 - a. Horizontal muntin(s) of size and type indicated.
 - b. Prep for glazing 5/16" (16mm) to 1 1/2" (38mm).
 - c. 10" (254mm) bottom rail
 - d. Medium stile construction.
 3. Locking Hardware: shall be provided as follows:



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- a. Positive Latch: shall be provided on lead/initial slide-swing panel. Panel will latch in place when closed. A lever handle shall be provided on each side of this sliding panel to unlock the door. Optional antimicrobial coating available for lever handle.
 - b. Flush Bolt: shall be provided for swing-out sidelite. Swing-out sidelite will thus be locked in place under normal conditions.
 4. Swing-out Feature: In full slide-open position, after 'SO' flush bolt has been released, panels can swing out with maximum 50 lbs. of force applied at the strike rail. Breakout mechanism shall provide support across full width of the door, in normal operating mode. In breakout mode, torsion assembly shall support weight of the door to minimize drop.
- F. JAMBS/FRAME: Shall be aluminum, 1 3/4" (44mm) deep by 4" (102mm) wide. Optional 1" (25mm) deep by 4" (102mm) wide.

2.03 RELATED WORK REQUIREMENTS

GLASS AND GLAZING: Glass stops, glazing vinyl and setting blocks for field glazing as per Safety Glazing standard ANSI Z97.1.2.

2.04 MATERIALS, FINISHES AND FABRICATION

A. EXTRUDED ALUMINUM: ASTM B221, 6063-T5 alloy and temper, anodized:

1. Structural Header Sections: Minimum 3/16" (5mm) thickness.
2. Structural Frame Sections: Minimum 1/8" (3mm) thickness.
3. Structural Panel Sections: Commercial grade.

B. FINISHES (for all exposed aluminum surfaces): Shall be one of the following:

1. 204-R1 Clear: Arch. Class 2 Clear Anodized Coating, AA-MI2C22A31.
2. 313-R1 Dark Bronze: Arch. Class 1 Anodized Coating, AA-MI2C22A44.
3. 312-R1 Light Bronze: Arch. Class 1 Anodized Coating, AA-MI2C22A44.
4. 315-R1 Black: Arch. Class 1 Anodized Coating, AA-MI2C22A44.
5. Special Paint Coating: Color as selected.
6. Antimicrobial coating.

C. PANEL CONSTRUCTION:

1. Corner block type with 3/16" steel backup plate construction, mechanically secured with minimum of four hardened steel screws. Sash consists of snap-in glass stops, snap-in glazing beads and vinyl gaskets.
2. Weatherstripping material captured in extruded aluminum door panel. Surface applied self-adhesive weatherstripping not acceptable.
3. Slide-swing doors to be supplied with adjustable glass setting block to allow for adjusting of door to meet site conditions eliminating the need for additional shims.

D. FRAME CONSTRUCTION: Butt joints, mechanically secured by means of screws & formed aluminum brackets.

PART III - EXECUTION

3.01 EXAMINATION

SITE VERIFICATION OF CONDITIONS: Installer must verify that base conditions previously installed under other sections are acceptable for product installation according to with manufacturer's instructions. Notify the Contractor in writing of conditions detrimental to the proper and timely completion of work. Do not start work until all negative conditions are corrected in a manner acceptable to the installer and manufacturer.



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3.02 INSTALLATION

- A. GENERAL: Install door units plumb, level and true to line, without warp or rack of frames or sash with manufacturer's prescribed tolerances. Provide support and anchor in place.
- B. DISSIMILAR MATERIALS: Comply with AAMA 101, Appendix Dissimilar Materials by separating aluminum materials and other corrodible surfaces from sources of corrosion or electrolytic action contact points.

3.03 CLEANING, ADJUSTMENT AND PROTECTION

- A. CLEANING: After installation, installer to take following steps:
 1. Remove temporary coverings and protection of adjacent work areas.
 2. Remove construction debris from construction site and legally dispose of debris.
 3. Repair or replace damaged installed products.
 4. Clean product surfaces and lubricate operating equipment for optimum condition and safety.
- B. ADVISE CONTRACTOR: Of precautions required through the remainder of the construction period, to ensure that doors will be without damage or deterioration (other than normal weathering) at the time of acceptance.

Horton Automatics reserves the right to make product improvements and change specifications without notice.

END OF SECTION