

SECTION 08300

HUNTER MANUAL SLIDING, TRACK, TRACKLESS, TELESCOPIC, AND BI-PARTING DOOR SYSTEM. FOR CLEAN ROOM AND STERILE ENVIRONMENT.

1. PART ONE GENERAL

1.01 SUMMARY:

- a) Work included: Furnishing and installing factory fabricated and finished clean room and sterile intensive care unit manual sliding door system.
- b) Related Work:
 - i. Section 07900 - Caulking
 - ii. Section 08400 - Entrances and Storefronts
 - iii. Section 08710 – Finish Hardware
 - iv. Section 08800 – Glazing

1.02 SUBMITTALS:

- a) Product Data: Provide manufacturer's product and complete installation data for all materials in this specification.
- b) Shop drawings: Show profiles, joining method, location of components, anchorage details, adjacent construction interface, and dimensions as well as all necessary wiring and electrical requirements.
- c) Samples: Sized to adequately represent material.
- d) Contract Closeout: submit the Manufacturer's warranty and performance certifications.
- e) Installation Guide: Provide a written installation guide and /or installation recommendations.

1.03 QUALITY ASSURANCE;

- a) ICU manual sliding door system shall be manufactured In accordance with province, federal, state, and local building codes.

1.04 PRODUCT HANDLING:

- a) All materials shall arrive in the manufacturer's original sealed labeled containers.
- b) Store materials in a dry, protected, well vented area. Reports damaged material immediately to the delivering carrier and note such damage on the carrier's freight bill of lading.
- c) Remove all protective material after installation.

1.05 SUBSTITUTIONS:

- a) Proposals for substitution products will be accepted only from bidding contractors a minimum of 10 working days before the bid due date. The proposed substitution shall meet the performance and quality standards of the specification.

1.06 JOB CONDITIONS:

- a) Verify that other trades are complete before installing the intensive care unit manual sliding door system.
- b) Mounting surfaces shall be plumb, true, and structurally sound; structural materials shall be offer proper support in accordance with manufacture's shop drawings.

- c) Refer to the construction documents, shop drawings and manufacturer's installation instructions.
- d) Coordinate installation with the glass and glazing.
- e) Observe all appropriate OSHA safety guidelines for this work.

1.07 WARRANTY/GUARANTEE

- a) Manufacturer's Standard Warranty: Warranted materials shall be free of defects in material and workmanship for two years after installation.

II. PART TWO PRODUCTS

2.01 MANUFACTURER:

Hunter Automatics, Inc. 50 Vinyl Court, Woodbridge, Ontario, L4L 4A3 – Phone: 1-877-HUNTER.

2.02 INTENSIVE CARE UNIT MANUAL SLIDING DOOR SYSTEM FOR CLEAN ROOM AND STERILE ENVIRONMENTS:

- a) Intensive care unit door system: Shall be Hunter Automatic's Manual Sliding Door System. The system shall consist of sliding aluminum door(s), sidelight(s) (unglazed), frames and header. The system shall be completely engineered, manufactured and assembled by Hunter Automatics Inc. All components shall be factory assembled, adjusted and tested. All Horizontal glass stops to be beveled 45°. All weather stripping and door seals shall be neoprene bulb rubber.
- b) Sliding Aluminum Doors: Provide door units to dimension heights and widths corresponding glazing as shown on construction documents (select one: standard narrow stile or medium stile). Please specify as applies: Glass stops 1/4" and 5/8" shall be available for all door panels. All Horizontal glass stops to be beveled 45°. All weather stripping and door seals shall be neoprene bulb rubber. Sliding door(s) and sidelight(s) shall be sized to prevent pinch points at meeting stiles.
- c) Door Operation: Shall be either the H2-2 panel, H3-3 panel, and H4-4 panel or the H6-6 panel directional operation.
- d) Aluminum frame and Extrusions: Shall be a minimum .125" wall thickness in integral structural Sections. The frame shall be standard 4-1.2" deep section with standard narrow stile.

- e) Aluminum Frame and Extrusions: Standard anodized finish shall be select one: AA-M12-C22-A31 Clear, AA-M12-C22-A44 Dark Bronze. Special and painted finishes are available upon request. Specify color finish.
- f) Sidelights: Provide sidelights to dimension heights and widths as shown on construction documents with corresponding glassing. All panels shall have intermediate rails. The sidelights (SO) shall swing out and allow the sliding doors to “breakaway” to the full open position for instant egress at any point in the door’s movement per NFPA 101. Doors and panels in the “break out” mode shall provide double the normal entrance opening. *All Horizontal glass stops to be beveled 45°. All weather stripping and door seals shall be neoprene bulb rubber.*
- g) Pivot Assembly: Shall allow the sliding panels to swing outward for emergency egress without the need of a lower door pivot support.
- h) Header Case: Shall be 4 ½” wide by 4” high (144mm side by 102mm high) extruded aluminum. The header shall encompass the door track and anti-riser guide. The extruded aluminum cover shall have a continuous self-locking hinge which allows it to open approximately flush with the top of the header. *All weather stripping and door seals shall be neoprene bulb rubber.*
- i) Door hanger Wheels: Shall be 2 ½” (64mm) diameter nylon wheel with stainless steel lifetime lubricated ball bearing centers. The doors shall be held on the track by 2” (51mm) anti-riser wheels and supported by a factory adjusted cantilever support and pivot assembly. The door height shall have an adjustment of 1/8” +/- as required by field conditions. All door height and anti-rise adjustments shall be full accessible with the hinge cover in the “open” position.
- j) Floor Track: Specify (Track or Trackless) Provide a recess mounted floor track as means to guide the sliding door. Specify if applicable surface mounted threshold.
- k) Architectural Hardware: Shall be supplied with urethane paint. Color of finish shall be flat black. Recessed door pulls shall be provided for easy movement of doors. Sidelights shall have “d” shaped pull handles to facilitate independent sidelight “breakaway”. Stops shall be provided in the header for doors.
- l) Accessories: The lead stile of the sliding door(s) and the pivot stile of the sidelight(s) shall be provided with *Horizontal glass stops beveled 45° and all weather stripping and door seals shall be neoprene bulb rubber.*

2.03 OPERATING CONDITIONS:

- a) All ICU manual sliding door system components shall operate between -30 degrees F and + 130 degrees F in all climatic conditions.

III. PART THREE EXECUTION

3.01 INSPECTION:

- a) Verify that the intensive care unit manual sliding door package installation will not disrupt other trades. The door installer shall verify that the installation area is dry, clean and free of foreign matter. Check as-built conditions and verify the manufacturer's details for accuracy to fit the wall assembly prior to fabrication. Report in writing to the Contractor any detrimental conditions to the proper functioning of the intensive care unit door package. Installation shall proceed once the unsatisfactory conditions have been corrected in accordance to the manufacturer's recommendations.

3.02 INSTALLATION OF INTENSIVE CARE UNIT MANUAL SLIDING DOOR SYSTEM:

- a) Installation shall be by an installer approved and trained by the manufacturer in strict accordance with the manufacturer's instructions and fire marshal's listing requirements.
- b) Comply with the ICU manual sliding door system manufacturer's recommendations and/or installation guide when installing the door system. Set all units plumb, level and true.
- c) Provide all fasteners required for installation of the ICU manual sliding door system.
- d) Adjustment and Cleaning: After repeated operation of the completed installation, re-adjust doors for optimum operating condition and safety. Clean all metal surfaces promptly after installation.

END OF SECTION 8300