



SECTION 08 42 43  
**TORMAX SERIES TX9600TL**  
**INTENSIVE CARE UNIT TRACKLESS MANUAL SWING DOOR**

**I. PART ONE GENERAL**

1.01 SUMMARY:

A. Work included: Furnishing and installing factory fabricated and finished intensive care unit manual swinging door system.

B. Related Work: [Insert applicable sections including:].

1. Section 07 92 00 - Joint Sealers
2. Section 08 41 00 - Entrances and Storefronts
3. Section 08 71 00 - Finish Hardware
4. Section 08 81 00 - Glazing

1.02 REFERENCES:

A. ANSI/UL 325 – Door, Drapery, Gate Louver and Window Operators and Systems

B. ANSI Z97.1 Safety Glazing Material Used in Buildings – Methods of Test.

C. ASTM B221 Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Shapes and Tubes.

D. NFPA 101 Life Safety Code

1.03 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 [if applicable].

E. Installation Guide: Provide a written installation guide and/or installation recommendations.

1.04 QUALITY ASSURANCE:

A. ICU manual swinging door system shall be manufactured to meet performance design criteria.

1.05 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. Report 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.

**1.06 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 this specification.

**1.07 JOB CONDITIONS:**

A. Verify that other trades are complete before installing the intensive care unit manual swinging door system.

B. Mounting surfaces shall be plumb, straight and secure; substrates shall be of proper dimension and material.

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.

**1.08 WARRANTY/GUARANTEE:**

A. Manufacturer's Standard Warranty: Warranted materials shall be free of defects in material and workmanship for one year after installation.

**II. PART TWO PRODUCTS**

**2.01 MANUFACTURER:**

A. TORMAX USA Inc.  
12859 Wetmore Road  
San Antonio, TX 78247  
Phone: 1-888-685-3707  
Phone: 210-494-3551  
Fax: 210-494-5930  
www.tormaxusa.com  
Contact Factory for local Tormax Distributor

**2.02 INTENSIVE CARE UNIT TRACKLESS MANUAL SWINGING DOOR SYSTEM:**

A. Intensive care unit door system: Shall be Tormax Series 9600TL ICU Trackless Manual Swing Door System. The system shall consist of aluminum door(s) (unglazed), frame and header. The system shall be completely engineered, manufactured and assembled by TORMAX USA Inc. All components shall be factory assembled, adjusted and tested.

B. Swinging Aluminum Doors: Provide door units with corner block construction to dimension heights and widths with corresponding glazing as shown on construction documents [select one: standard narrow stile or medium stile]. The door panel shall have security glass stops. [Specify glass thickness: Glass stops 1/4" (6 mm), 5/8" (16 mm) and 1" (25 mm) shall be available for all door panels.] All door panels shall have intermediate rails.

C. Door Operation: Shall be [select one or more: 1-panel or 2-panel] Tormax TX9600TL Intensive Care Unit Manual Swing Door System.

D. Aluminum Frame: Shall be a minimum .125" (3 mm) wall thickness in integral structural sections. The frame shall be standard 4-1/2" deep x 1-3/4" wide (114 mm wide x 44 mm deep) section.

E. Aluminum Extrusion Finish: Standard Architectural Class 1 anodized finish shall be [select one: AA-M12-C21-A41 Clear, AA-M12-C22-A44 Dark Bronze or Black]. [Special anodized, paint and metal clad finishes are available upon request. Specify finish, type and color].

F. Header Case: Shall be 4-1/2" wide by 2-3/16" high (114 mm wide by 56 mm high) extruded aluminum. The header shall encompass an integral door track and cover. The extruded aluminum cover shall have a continuous hinge, allowing the cover to open approximately flush with the top of the header.

G. Architectural Hardware: Door pulls shall be provided for easy movement of doors. Ball detent assembly shall hold the door in the closed position. Panel shall be supported using top and bottom pivots. Flush bolt shall engage small inactive panel to header on two panel configurations. [Specify additional hardware if required; closers, mechanical locking etc.]

H. Accessories: The lead and pivot stile shall be sealed with vinyl weather-stripping.

#### 2.03 OPERATING CONDITIONS:

A. All ICU manual swinging 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 trackless manual swinging 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 TRACKLESS MANUAL SWINGING 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 marshall's listing requirements.

B. Comply with the ICU trackless manual swinging door package 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 trackless manual swinging 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.

E. Explain and review the Daily Safety Check Procedure.

**END OF SECTION 08 42 43**

**TORMAX USA Inc.**