



**GT SYSTEM 2100 MANUAL SLIDER
TRACKLESS – SMOKE RATED
SUGGESTED ARCHITECTURAL SPECIFICATIONS
SECTION 8**

**Series GT 2100
MANUAL ICU / CCU - TRACKLESS – FULL BREAKAWAY-SMOKE RATED**

**DIVISION 08 – OPENINGS
SECTION 08 42 43 – INTENSIVE CARE UNIT / CRITICAL CARE UNIT ENTRANCES**

Note to Specifier: Articles and paragraphs below may be edited or modified to suit specific project requirements. Add section numbers and titles per CSI “MasterFormat” and specifier’s standard practice. Contact manufacturer’s representative to discuss specification modifications, performance requirements, accessories and/or related equipment that may be applicable to this project.

Part 1 - GENERAL

1.01 DESCRIPTION

- A. Furnish and install manual slide door equipment as indicated on drawings and specifications.
- B. Related work specified elsewhere.
 - 1. Concrete: Division 03, applicable sections.
 - 2. Masonry: Division 04, applicable sections.
 - 3. Thermal and Moisture Protection: Division 07, applicable sections.
 - 4. Openings: Division 08, applicable sections.
 - 5. Electrical Grounding 16, applicable sections.

1.02 REFERENCES

- A. American Architectural Manufacturers Association (AAMA) - www.aamanet.org
- B. American National Standards Institute (ANSI) - www.ansi.org
- C. Builders’ Hardware Manufacturers Association (BHMA) - www.buildershardware.com
- D. National Fire Protection Association (NFPA) - www.nfpa.org
- E. International Code Council (ICC) - www.iccsafe.org or Applicable State and Local Codes

1.03 QUALITY ASSURANCE

- A. Manufacturer’s Qualifications: Manufacturer to have at least (5) five years experience in the fabrication of automatic and manual entrance systems.
- B. Installer’s Qualifications: Products specified shall be represented by a factory authorized and trained distributor. Distributor shall be AAADM Certified, maintain a parts inventory and have trained service personnel with experience installing and maintaining units indicated for this project.

1.04 SUBMITTALS

- A. Product Data: Submit manufacturer’s product and complete installation data for all materials covered in this section.
- B. Shop Drawings: Submit complete elevations, details and methods of anchorage to location; installation of hardware; size, shape, joints and connections; and details of joining with other construction.
- C. Templates and Diagrams: As needed shall be furnished to fabricators and installers of related work for coordination of door system installation with concrete work, masonry, and other related work.
- D. A copy of appropriate manual shall be provided to owner / contractor upon completion of installation.

1.05 SUBSTITUTIONS

- A. Gyro Tech equipment as manufactured by NABCO ENTRANCES, INC. has been specified and shall be quoted as the base bid. Proposals for substitution products may be submitted by the bidding contractors a minimum of 10 days prior to bid due date. The proposed substitution shall meet the quality and performance standards described in this specification.

1.06 JOB SITE CONDITIONS

- A. Site Survey: Verify site conditions including, but not limited to the following; opening sizes, floor conditions, plumb and level mounting surfaces (substrates shall be of proper dimension and material).
- B. Coordinate installation with glass, glazing, hardware and other trades to avoid construction delays.

1.07 WARRANTY

- A. Warranted materials shall be free of defects in material and workmanship for a period of one year from date of substantial completion. During the warranty period the Owner shall request NABCO factory-trained technicians to perform service. Warranty repairs are provided during normal business hours. Owner to receive warranty after completion of installation.

PART 2-PRODUCTS

2.01 APPROVED MANUFACTURER

- A. All door equipment shall be manufactured by:
NABCO ENTRANCES INC.
S82 W18717 Gemini Drive
Muskego, WI 53150
Phone: (877) 622-2694
Fax: (888) 679-3319

2.02 MANUAL SLIDING DOOR SYSTEM

GYRO TECH Slide System GT2100

- A. Mode of operation: The GYRO TECH Series 2100 Manual Sliding Door System provides the unique feature of room access without a floor track. Smooth entry and exit is provided for patient and also for delicate medical equipment. This feature also precludes the chance of contaminant build up. Under normal operating conditions, medical personnel have access by way of the sliding door. When patient and/or medical equipment access is required, the sliding door is moved to the breakaway position engaging the capture pivot. Release of a flush bolt located in the vertical stile of the sidelite allows the door(s) and swing panel(s) to become a pivoting unit capable of swinging 90 degrees giving access to approximately 95% of the framed opening. Reset procedures occur in reverse order.
- B. Types / Configurations:
 - 1. Single, SO-SX or SX-SO
- C. Product Components:
 - 1. Aluminum doors, swing panels and frame assembly.
 - 2. Rollers – Support and Guide
 - 3. Door carrier hanger assembly, swing panel pivots, breakaway latches, limiting arms, pull handles, static arrester, and weathering seal.
 - 1a) Door panel and Swing panel shall be factory assembled with 3/8-16 threaded tie rods spanning full length of top and bottom rails. Snap in glass stop with integral extruded vinyl standoff to accommodate glass flexing. A horizontal muntin bar to provide glass protection. Configurations shall include a 2 panel (single) and 4 panel (bi-part) versions.
 - 1b) Vertical Jambs shall be 1-3/4"x 4-1/2 (44mm x 114mm) and Horizontal Header shall be 5" by 4-1/2" (127mm x 114mm) aluminum extrusions. The header includes a door track and anti-riser guide. Header shall be accessible by a hinged cover that locks in the open position for ease of service.
 - 1c) All major extrusions to be minimum 1/8" (3mm) wall thickness.
 - 1d) All extruded aluminum sections shall be 6063-T5 or equivalent.
 - 1e) Finish: Aluminum shall have a standard finish of AA-M12-C22-A31 (204R1) or AA-M12-C22-A44 (dark bronze). Paint and other anodized finishes available upon request.

2) Sliding door shall ride on two 1-13/32" (36mm) dia. steel, urethane coated support rollers incorporating lubricated sealed ball bearings, and two equivalent anti-rise rollers. Each roller assembly shall have $\pm 7/16$ " (11mm) of vertical adjustment. Each swing panel shall include one bottom guide assembly. Guide blocks shall be attached to the swing panel with a 3/16" (5mm) thick formed guide bracket. All steel brackets and fittings shall be plated for corrosion resistance.

3a) Entrance systems shall have door panels attached to a door carrier hanger assembly by means of an adjustable support rod pivot assembly and corrosion resistant adjustable breakaway release latch holding the door panel in the closed position under normal manual operation. Breakaway pressure shall be field adjustable (5-50 lbs.) to meet local building code requirements but will be factory set at 50 lbs. maximum. The support rod pivot assembly allows door to swing freely in panic mode without sagging. The system shall have breakaway swing panels held in place by means of a top pivot and floor pivot plate secured to the floor and a flush bolt lock into the header.

3b) A limiting arm to control the panels as they swing in the direction of egress.

3c) Positive Latch with lever handle is provided on each side of the door.

3d) An electrical grounding system on each door grounds entrance package from static electricity.

3e) 15/16" wide vinyl strip positioned between the door(s) and lead stile(s) of the swing panel(s).

D. Air and Smoke Infiltration Rating:

Assemblies were tested and certified by Professional Systems Analysis without artificially sealing the bottom of the door and framing. At ambient temperature, and test pressure at 0.3", the air leakage is less than 3 cfm/sqft. Stiles are foam fill insulated. Glass is wet sealed and held in place with aluminum glass stops. Door sweeps close bottom door gap to floor.

PART 3-EXECUTION

3.01 INSTALLATION

A. Door equipment shall be installed by manufacturer-approved, factory-trained installers in compliance with manufacturer's recommendations and approved shop drawings.

3.02 CLEANING AND PROTECTION

A. After installation, clean framing members as recommended by manufacturer. Aluminum surfaces in contact with masonry, concrete, or steel shall be protected from contact by use of neoprene gaskets where indicated or a coat of bituminous paint to prevent galvanic or corrosive action. Advise general contractor to protect unit from damage during subsequent construction activities.

*** COVER NOTE TO SPECIFICATION WRITER**

A. Preparation of a plumb and square opening to receive sliding door equipment with adequate support.

B. Glass and glazing shall be described in glazing section of the specifications, door to be glazed square.

C. CONCRETE INSTALLER shall prepare floor at location of entrance system to be level and smooth without changes in elevation between foundation and associated walkways.

END OF SECTION