



**GT SYSTEM 2300 MANUAL SWING DOOR
UNEQUAL PAIR - SMOKE RATED
SUGGESTED ARCHITECTURAL SPECIFICATIONS
SECTION 8**

**Series GT 2300
MANUAL ICU / CCU – SWING DOOR – UNEQUAL PAIR - 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 swing 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 manual entrance systems.
- B. Installer’s Qualifications: Products specified shall be represented by a factory authorized distributor. Distributor shall maintain a parts inventory and factory trained service personnel capable of providing service.

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 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.

1.06 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 SWING DOOR SYSTEM

NABCO Swing System GT2300

- A. Mode of operation: The NABCO GT2300 Manual Swing Door System includes a header, jambs and swing panels. The active panel is used as main means of egress. The inactive panel provides additional egress when needed for moving larger objects through the door opening. The inactive panel is normally fixed.
1. Unequal pair of doors = One wide active panel and one narrow inactive panel
- B. Product Components:
1. Aluminum swing panels, header and frame assembly.
 2. Swing panel latches, hardware and weathering seal.
- 1a) Swing panels 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.
- 1b) Horizontal Header shall be 5" by 4-1/2" (127mm x 114mm) and Vertical Jambs shall be 1-3/4"x 4-1/2 (45mm x 114mm) aluminum extrusions. Header includes a hinged cover that locks in the open position.
- 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-A42 (dark bronze). Paint and other anodized finishes available upon request.
- 2a) Active panel will include lever handles on each side to unlock the door. A positive latching feature will hold the door in place when closed. The inactive panel will include a flush bolt which must be manually released in order for the panel to swing open.
- 2b) Panels are capable of swinging 90 degrees and will require less than 30 lbs (133N) to release the latch.
- 2c) Header, jambs and panel bottoms include gaskets to meet air infiltration requirements.
- C. Air and Smoke Infiltration Rating:
Assemblies are tested and certified by Professional Systems Analysis. At ambient temperature, and test pressure at 0.3" of water, the air leakage is less than 3 cfm/sqft. Glass is affixed 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.

END OF SECTION