

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

Part 1 - GENERAL

1.01 DESCRIPTION

- A. Furnish and install door equipment as indicated on drawings and specifications.
- B. Related work specified elsewhere.
 - (See Note to Specifier)
 - 1. Prepared Opening: Section _____
 - 2. Glazing: Section _____

1.02 QUALITY ASSURANCE

- A. Manufacturer's Qualifications:
 - Products specified shall be represented by a factory authorized and trained distributor. Distributor shall maintain a parts inventory and trained personnel capable of providing service.
- B. Gyro Tech equipment as manufactured by NABCO ENTRANCES, INC. has been specified and shall be quoted as the base bid. Other systems can be quoted along with information specifically detailing the differences from the following specification.

1.03 SUBMITTALS

- A. Shop drawings showing complete elevations, details and method of anchorage to location; installation of hardware; size, shape, joints and connections; and details of joining with other construction.
- B. Templates and diagrams and/or shop drawings as needed shall be furnished to fabricators and installers of related work for coordination of doors, frames, hardware, concrete work and other work.
- C. A copy of appropriate manual shall be provided to owner's engineer upon completion of installation.

1.04 WARRANTY

- A. Warrant all material and labor provided by manual door equipment installer against defects in material and workmanship at no cost to owner, for a period of one year from date of substantial completion. Provide warranty to owner 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 GT 2300

- A. Mode of operation: The GYRO TECH Series 2300 Manual Swing Door System includes a header, jambs and swing panels. The wider Primary Panel is used as main means of egress. The narrow Auxiliary Panel provides additional egress when needed for moving larger objects through the door opening. The Auxiliary Panel is normally fixed.

- 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) Primary 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 Auxiliary Panel will include a flush bolt which must be manually released in order for the panel to swing open.
- 2b) Both 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 without artificially sealing the bottom of the door and framing. At ambient temperature, and test pressure at 0.03", the air leakage is less than 3 cfm/sqft. Glass is wet sealed and affixed with aluminum glass stops. Door sweeps close bottom door gap to floor.

PART 3-EXECUTION

3.01 INSTALLATION

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

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 door equipment with adequate support.
- B. Glass and glazing shall be described in glazing section of the specifications, door to be glazed square.