

**Single Horizontal Sliding  
U.L. Rated 3-Hour Fire Door  
Manual Operation or  
High Speed Hydraulic Power Operated**

**Data Sheet  
E-517 or M-110**



Power Operated Model Shown

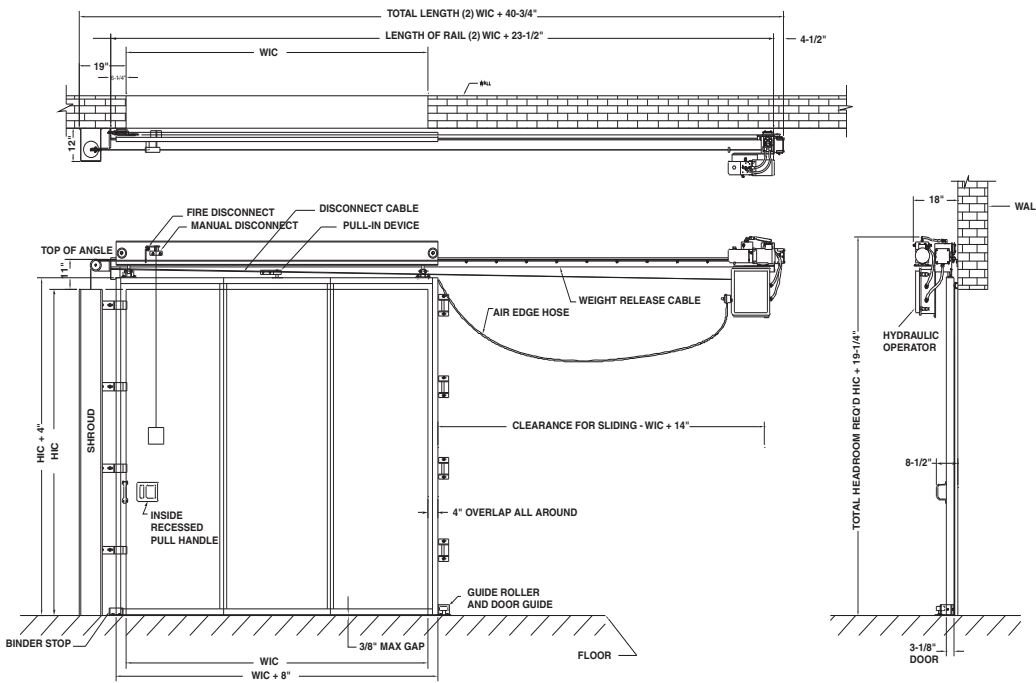
**FEATURES**

- Patented hydraulic power system for speed and long life (25" per second).
- Unitized high strength panel.
- Heavy duty hardware.
- Internal steel mounting plates for solid hardware anchor.
- Adjustable pull-in device for in-field adjustments. Maintains positive pull-in and ensures tight sealing.
- Automatic door closing system.
- Bottom guidance system positively maintains door position. Ensures fast, controlled operation. Minimizes gasket wear.
- Reversing edge provides full height reversing when the door comes in contact with an object.
- Available in industrial, and cooler or freezer construction.



**MARATHON**<sup>®</sup>  
Industrial Doors for the Long Run

## Data Sheet E-517 or M-110



**WARNING**

Read, study and understand all warning labels, installation and operation instructions furnished with this equipment prior to use. If any portion of this material is unclear, contact your factory representative for clarification.

Consistent with our policy of continued product improvement, we reserve the right to change product specifications without notice or obligation.

### DESIGN AND CONSTRUCTION

(Door designed for vehicular traffic)

#### DOOR SIZES

- Minimum: 5' x 7'
  - Maximum: 12'-4" x 10'-8"
- (Other sizes available - Consult factory.)

#### PANEL CONSTRUCTION

- Unitized design.
- Shell constructed of 20 gauge galvanized steel. (Stainless steel available as an option.)
- 16 gauge formed galvanized steel capping.
- 16 gauge inner C-channel.

#### OPERATION - Manual or Hydraulic

*Hydraulic operation:*

- Open/close at 25"/second.

#### HYDRAULIC SYSTEM\*

- 1 h.p. totally enclosed, low speed, high torque motor.
- NEMA-4 rated enclosure.

#### WARRANTY

- One year on all components.

#### PERFORMANCE FEATURES

- Reversing edge for instant stop/reverse.
- Weighted cable operated closing system with fuse link disconnect and latch releasing mechanism.

#### INSULATION

- EPS U.L. rated insulation.
- R-18 rated or R-30 rated.

#### OPTIONS

- Partial opening (with (2) push button switches to permit partial door opening and automatic closing). Adjustable time delay included.
- Extra push button actuators or pull cords (one pair std.).
- Photoeyes - actuator or reversing.
- Radio control.
- Loop detector system.
- Time delay close.
- Metal hood (exterior application).
- Color (consult factory).
- Remote mount hydraulic operator.
- Future power.
- Interface into automated alarm systems.
- 400 series stainless steel door panel.
- Fusible link disconnect on opposite side of wall.

\*U.S. Patents 4,296,570 and 7,208,938

## ARCHITECTURAL SPECIFICATIONS

Door shown as horizontal sliding U.L. rated fire door shall be supplied as Enviro® E-517 or Marathon® M-110 as manufactured by ASI Technologies, Inc., Milwaukee, Wisconsin, to fit door opening \_\_\_\_\_ wide by \_\_\_\_\_ high.

Door shall be manual or hydraulic power operated single horizontal slide in accordance with U.L. 10B for 3 hour fire rating.

Door to have 3" thick (5" for freezers) EPS for high insulation. Door panels to be galvanized, paint grip, or painted steel. Complete spot welded and riveted unitized construction. Panels to be reinforced by a 16 gauge internal steel C-channel with heavy steel backing plates located internally at all hardware locations.

Gasket at the wall to be grease-resistant, moisture proof, non-marking synthetic loop type. Sill gasket to be synthetic sweep type.

Enviro freezer door to have heater cables with adjustable thermostat on wall gasket and four sides of panel. Hardware to include galvanized pull handles, non-corrosive floor hardware, galvanized steel rail and single piece roller truck. Truck wheels to be solid steel with factory sealed bearings. Complete rail and truck hardware to be mounted and shipped assembled.

Door to be provided with weighted cable operated closing system consisting of weighted pull cable assembly, fusible link disconnect, and a chain latch releasing mechanism.

Patented power drive system to be hydraulically operated, chain driven, for smooth high speed operation. Travel limit switch to provide infinite adjustment without special tools. Opening to be provided by two ceiling mounted remote control, low-voltage pull cord switches. Manual drive chain disconnect to be provided on outside of door. Motor to be 1 h.p., 230/460 volt, 60 cycle, 3 phase. Electrical controls to be enclosed in a NEMA-4 rated enclosure. Complete system to be assembled and ready for connection (by others). Door panel to be equipped with reversing edge.

**ASI TECHNOLOGIES, INC.**

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