

## MARK IV "DS" Series

### BI-PARTING HORIZONTAL SLIDING POWER OPERATED DOOR

- White Metal Clad Finish
- Diamond-Trac® System\*
- PowerTron® Operator
- Five-Year Warranty



Shown with optional  
View Windows

#### COOLER DOOR SPECIFICATIONS:

Supply where indicated on plans Jamison Mark IV "DS" Series Power Operated Bi-Parting Horizontal Sliding Cooler Door, with Diamond-Trac® System\* and PowerTron® Operator.

Door leaves to have aluminum extruded structure and to be metal clad with #26 gauge white pre-painted stucco embossed steel front and back. Frame (casings and header) to be constructed of aircraft quality aluminum extrusions with white painted finish.

Door leaves to be filled with 4" of Jamifoam non-CFC polyurethane insulation with an R value of 28 at 40°F.

Frame to be insulated with polystyrene inserts.

Door to be equipped with dual-speed brake motor designed to open door at 80" per second and close door at 40" per second.

Door leaves to be equipped with low profile pneumatic reversing edge, effective full height and full travel of door. Upon contact, door in closing cycle is instantly reversed to open position.

Adjustable gasket at sides and head of frame and reversing edges cover gasket to be polyester reinforced; door leaves to have sweep type sill gasket.

Hardware to have protective coating against corrosion. Automatic opening to be provided with two remote control, spring-cushioned, low voltage pull switches.

Door power to be 208, 240 or 480 volt AC, 60 Hertz, three phase. (ARCHITECT TO SPECIFY VOLTAGE.) PowerTron® power operator to have all gear drive, and all power controls to be fully enclosed in NEMA 1 control boxes. Visible signal light to show when motor is running. Complete door assembly to be ready for connection to power. (ARCHITECT TO DESIGNATE RESPONSIBILITY FOR FILED WIRING.)

#### FREEZER DOOR SPECIFICATIONS:

Freezer door specifications to be same as cooler door except for these substitutions and additions:

Supply where indicated on plans Jamison Mark IV "DS" Series Power Operated Bi-Parting Horizontal Sliding Freezer Door with Diamond-Trac® System\* and PowerTron® Operator.

Insulation R value is 32 at 40°F.

Provide Frostop heater cables in top, sides, lead edges and bottom of door. Complete device to be assembled, ready for connection to 120 volt, 60 Hertz, single phase AC line.

#### SPECIAL NOTES:

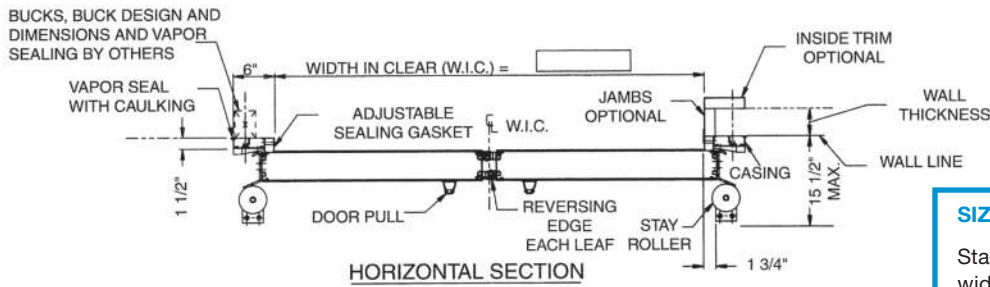
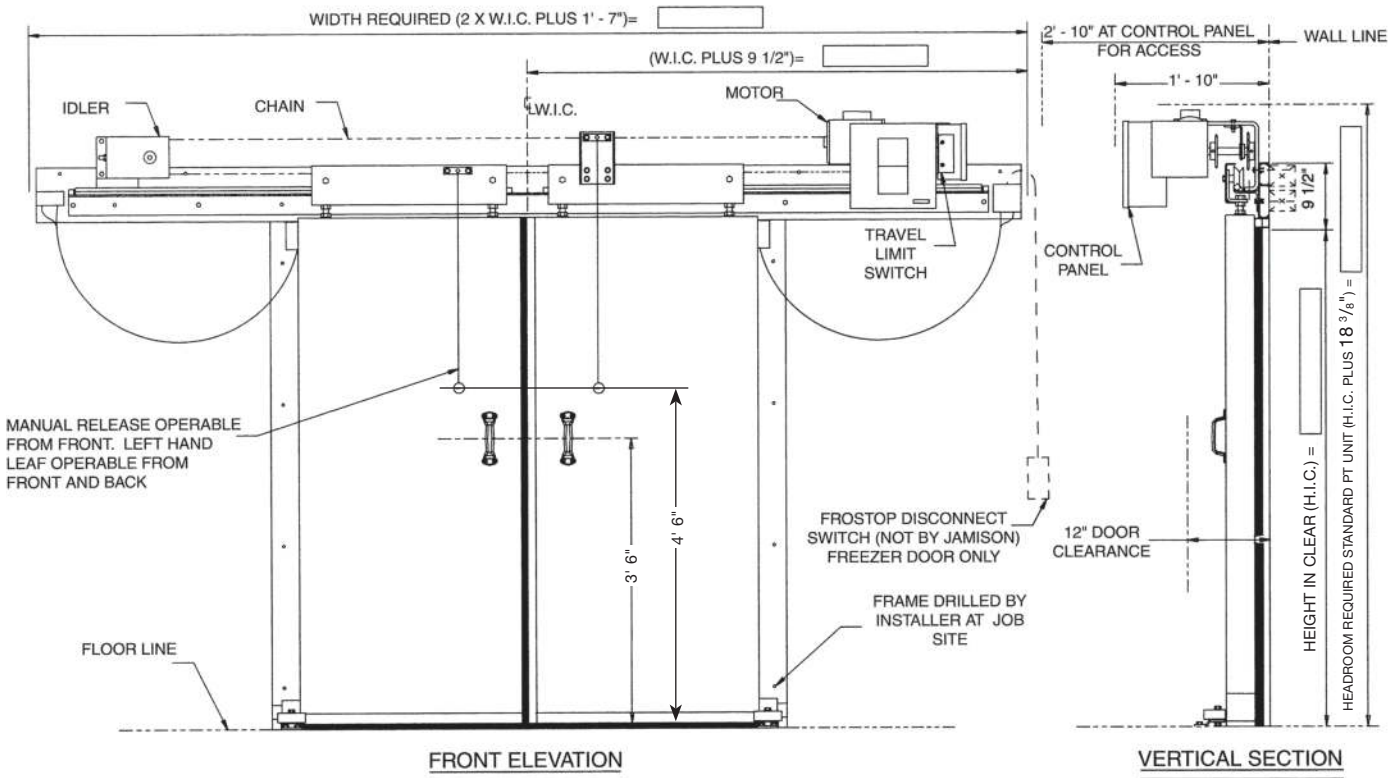
1. Freezer Door is designed for installation in warm room with temperatures plus 33°F. and above. If door must be mounted in rooms with temperatures of +32°F. and below, contact factory.

2. When cold room temperature is below -10°F. and/or the relative humidity is greater than 80% on the warm side, Frostop heater cables should be added to the frame/gasket assembly.

3. If the cold room temperature is below -40°F., or if the temperature difference exceeds 90°F., contact factory.

#### OPTIONS: (SPECIFY which options are desired)

1. Metal cladding can be stainless steel, stucco aluminum, galvanized stucco embossed, galvanized or galvanized steel painted to meet specifications.
2. Padlocking provisions on front or back of door with safety release on opposite side. (Specify which side with locking.) Safety release feature permits door hardware to be released, thus minimizing possibility of personnel being locked in room.
3. 6" of insulation for freezer door (R value 48).
4. Electric eye or motion detector to protect door from truck passage.
5. Radio control operation from lift truck, 1, 2 or 4 button.
6. Swinging wicket door.
7. Complete NEMA 3, 4, 4X, or 12 requirements.
8. Electrical reversing edge.
9. M.I.D. requirements.
10. View windows: (Contact factory for specific recommendations.) 12" x 14" sealed glass unit.
  - a. Cooler Door – 2 layer 1" thick.
  - b. Freezer Door – 3 layer, 1" thick with 120 V.A.C. heat film.
11. Jambs.
12. Inside trim.
13. Mirror image frame.
14. Floor loop.
15. Push button operation, single or three button (open – close – stop).



**FREEZER DOOR FURNISHED WITH FROSTOP HEATER CABLES.**

**SIZES AVAILABLE**  
 Standard sizes up to and including 11'0" width in clear x 14'0" height in clear. Minimum size width in clear is 6'0".

**INSTALLATION POINTS:**

1. Bucks should be installed true, plumb and square and of sufficient size to accommodate door weight. Wood bucks should be painted with a suitable preservative to protect against moisture penetration into wood.
2. Unit is factory wired and tested. For shipment, wired power package including control panel, and door leaves are disconnected and shipped separately. Field wiring: After erection and mechanical adjustment of door and frame, reconnect door wiring to junction box on header in accordance with wiring diagram. Follow electrical diagram for connection of incoming power to control panel.
3. For freezer door, provide separate 120V Line complete with keyswitch (by others) for connection to Frostop circuit. Hook up 24V pull cord switches from control panel to locations in front and back of door. Freezer doors have heated pull switch on cold side, 120V circuit must be supplied for heater element.
4. After electrical wiring is completed, unit should be tested and motor rotation checked, and any final electrical or mechanical adjustments made.
5. All lags, screws and joints between buck and door frame should be vapor sealed with silicone caulking.
6. Drawings for buck suggestions and bumper post location to protect frame available on request.



Jamison Door Company • P.O. Box 70 • Hagerstown, MD 21741-0070  
 Call Toll Free • 1-800-532-3667 or 301-733-3100  
 FAX: 301-791-7339  
 INTERNET: <http://www.jamisondoor.com>  
 E-MAIL: [contact@jamisondoor.com](mailto:contact@jamisondoor.com)