

Architectural Specifications
Rite-Hite Doors' FasTrax™ FRLD Freezer Door (Model FASTRAX FR)
Section 08340

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PART 1 - GENERAL

- 1.1 CONDITIONS SPECIFIED ELSEWHERE: Section 010000 - General Requirements.
- 1.2 SUBMIT SHOP DRAWINGS showing overall dimensions (width, height).
- 1.3 SUBMIT 3 copies of manufacturer's owner's manual, maintenance manual and master service manual to the architect and or engineer.
- 1.4 WARRANTY: Proposals submitted without the following written warranties will be considered non-responsive.
 - 1.4.1 Door manufacturer shall provide with his bid a written minimum 1-year limited warranty on parts and labor, including electrical.
 - 1.4.2 Door parts not covered under the warranty shall include: NONE.
 - 1.4.3 In addition to all other warranties, the manufacturer shall warrant that the equipment will perform in a manner satisfactory to the Owner for a period of 12 months after the date of installation. If the Owner is not satisfied with the performance of the equipment, the Owner may notify the manufacturer and the manufacturer shall remove the equipment and refund the equipment purchase price to the Owner. This warranty shall be provided by the manufacturer in writing at time of bid.

PART 2 - PRODUCTS

- 2.1 Power doors shall be manufactured by Rite-Hite Doors or an approved substitute. Doors shall be sized by manufacturer to meet specific applications requirements.
- 2.2 Power doors shall be made for up to 10' wide x 18' high openings with a minimum opening speed of 48" per second, and peak opening speeds of up to 100" per second.
- 2.3 Control box shall be NEMA 4X UL listed control box with open push button and power disconnect switch.
 - 2.3.1 Control box shall include self-diagnostic i-COMM controller.
- 2.4 Door shall utilize a Thermal Air™ Sealing System to circulate warm air through 4-1/2" diameter fabric tubes around wall perimeter.

PART 2 - PRODUCTS (continued)

- 2.5 Door shall not have limit switches operating within the side frames.
- 2.6 Side frames shall be made of extruded aluminum.
- 2.7 Door material shall be made of a minimum 1” thick InsulMax insulated fabric panel (standard color: blue).
 - 2.7.1 Curtain shall have an R-4 insulating value
- 2.8 Motor shall be 1.5 HP or 2 HP electric motor with direct drive from the gearbox.
 - 2.8.1 Door shall have a hand operated brake disconnect for emergency manual operation.
 - 2.8.2 Door shall have an optional manual powered opening using a chain hoist
- 2.9 Door shall have TRUE Auto Re-Feed, which automatically positions the curtain back into the side frame after an impact without manual intervention or resetting at the control box.
 - 2.9.1 Door shall be activated by one of the following: induction loop, motion sensor, electronic eye, push button control, radio control, pull cord or other methods.

PART 3 - SAFETY FEATURES

- 3.1 Door controls shall be listed to applicable US and Canadian safety standards by Underwriters Laboratories Inc. (UL 508)
- 3.2 Door shall have a soft bottom edge which yields when impacted.
- 3.4 Door shall include (2) reversing thru-beam photo eyes within the side frames, mounted at 18” and 54” to monitor the door opening, and reverse the curtain if obstructed.
- 3.5 Door shall have Virtual Vision light communication system to alert personnel to objects, equipment or personnel moving on the opposite side of the door opening.
- 3.6 Door shall have optional I-Zone area detection system, which detects pedestrians moving within an area of three feet on either side of the door opening and within the opening and reverses the downward direction if activated.
- 3.7 Door shall not have coil cords, junction boxes or any other external electronics within the door opening.
 - 3.7.1 Door shall not have metal bottom bars, springs, pulleys or counterweights.
- 3.8 If power failure occurs, brake holds door in place and can be released manually.

PART 4 - EXECUTION

- 4.1 INSTALLER shall examine the substrate and conditions under which power door is to be installed and notify the architect and or engineer and contractor in writing of any conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions have been corrected in a manner acceptable to the installer.
- 4.2 DOOR MANUFACTURER'S REPRESENTATIVE shall install power door in accordance with approved shop drawings and manufacturer's recommendations. Location of power door shall be indicated on drawings. Exact location of control box for door shall be approved by the architect and or engineer.
- 4.3 ADJUST UNITS to operate smoothly.
- 4.4 AFTER INSTALLATION is completed, a representative of the manufacturer shall examine the installation and require that all connections and adjustments necessary to assure proper operation of power door has been made. Before acceptance, a demonstration shall be conducted in the presence of the Owner's representative that all doors operate properly in every aspect. In addition, a detailed user/operator training session shall be conducted at time and place agreed upon by Owner's representative.