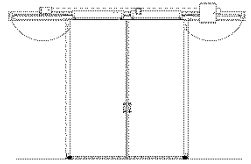


# LoTemp Doors - SPECIFICATION SHEET # 104

**MODEL: DHE**

**DOUBLE HORIZONTAL ELECTRIC**



## **PART I – GENERAL**

### **1.0.1 SCOPE**

Supply where indicated on plans LoTemp doors, cooler or freezer bi-part power door.

### **1.0.2 RELATED WORK,**

Opening preparation, miscellaneous or structural metal work, electrical wiring, wire, conduit, fuses and disconnect switches are in the scope of work of other divisions or trades.

## **PART II – PRODUCT**

### **2.0.1 MATERIALS**

**DOOR PANEL** – Door panel to be constructed with aircraft quality extruded aluminum internal frame with reinforced mitered corners. Panel clad with 26ga stucco embossed white galvanized steel. Meets USDA and CFIA requirements.

**INSULATION** – Door panel is insulated with NON-CFC polyurethane with an “R” value of 32 at 4” and 48 at 6”.

**DOOR FRAME** - Header and casing to be HDPE (High Density Polyethylene Extrusion) or optional clad with panel matching steel.

**HARDWARE** – Extruded aluminum door track with down and in motion to assure a tight seal of door when closed and assure immediate gasket clearance when opening. 4 heavy duty track rollers, 2 floor mounted stayrollers. All hardware to have corrosion resistant coating.

**GASKETS** – Adjustable bulb type reinforced neoprene seals mounted to casings and header. Sweep sill reinforced gasket at 4 sides of door bottom.

**FREEZER DOOR** - Same as above with the addition of full perimeter self regulating heater cable in door requiring a separate 110Vac by others. Additional heated seals required for -20 degree F.

**MOTOR/OPERATOR** – Power requirements 110V – 575V, 1 phase, 60 cycle ( one leg of 3 phase capped) Brushless technology motor totally enclosed for life. Controller with overload protection provides smooth quiet operation with programmable acceleration and deceleration.

Two (2) remote pullcord stations for open/close controls. Controls to be dry contact. NEMA 4 enclosures. Programmable obstruction sensing for safety. Roller chain #40. Operates on an average speed of 30” per second per panel to open and 18” per second per panel to close. Optional battery back up in case of power failure

**OPTIONS** – Kickplates ,vision panels, jambs, back frames and locking provisions. Cladding – 26 ga 304-2B or 304 #4 stainless steel, 26 ga galvanized steel, smooth and stucco embossed. Controls – Motion sensors, photocells, time delay close, loop detectors. etc.

### **2.0.2 SUBSTITUTIONS**

This specification is written with LoTemp Doors as the basis of acceptable performance. No substitutions will be considered unless a written request is received in the Architect’s office at least 14 days prior to date for receipt of bids.

### **2.0.3 SUBMITTALS**

In compliance with the specification requirements, submit detailed shop drawings for each door showing in clear detail all mounting requirements and accessories.

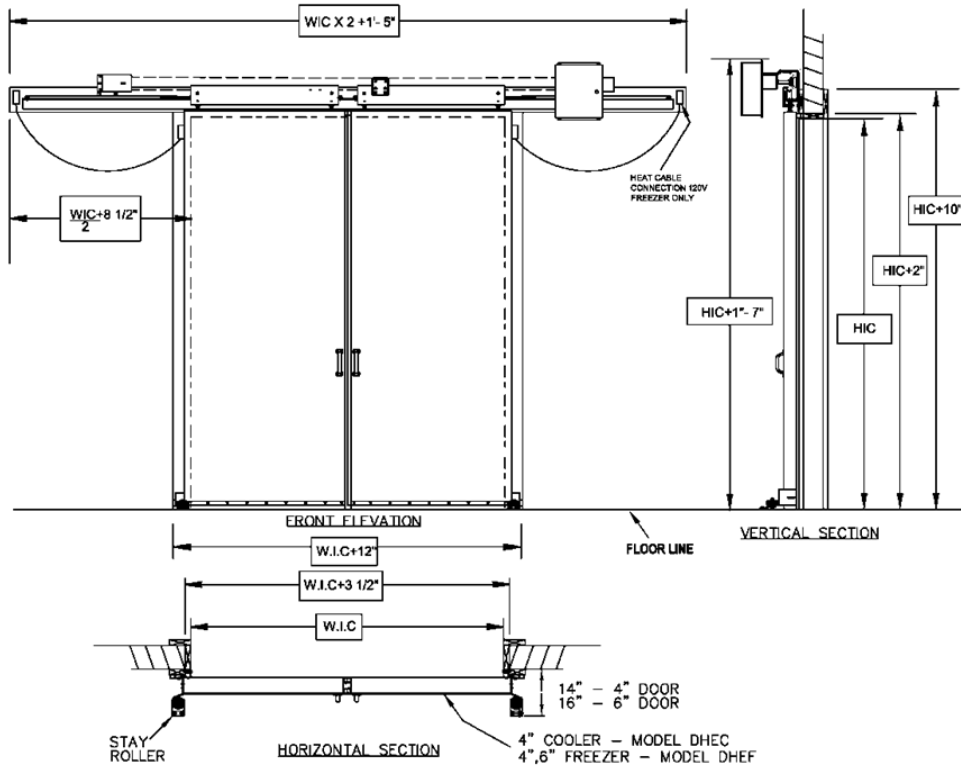
### **2.0.4 QUALITY ASSURANCE**

Doors shall be installed in accordance with Architect’s plans and specifications and LoTemp Doors written installation instructions, drawings and recommendations. Door shall be guaranteed against defective materials and workmanship for a period of 1 year from date of shipment.

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## PART III - EXECUTION

### 3.0.1 - INSTALLATION

Doors shall be mounted in full accord with the detailed instruction of the door manufacturer and contract documents. When mounting the door and track framing, the mounting surfaces shall be set true and level without distortion and shall be shimmed and caulked to assure tightness and true fitting, and be securely lagged. After the doors are hung they shall be checked for mechanical and electrical operation, and tight and uniform gasket sealing. Installation /wiring of activation switches (pullcords etc) power connections to power operated doors and door heaters are the responsibility of electrical contractor.

### 3.0.2 - PRODUCT DELIVERY, STORAGE AND HANDLING

Each cold storage door shall be securely crated so as to protect the door from damage during shipment and handling. Door identification number shall be clearly marked on the outside of each crate.

### 3.0.3 - CLEANING AND ADJUSTMENT

Clean all doors of excess sealant, grease, stain, fingerprints and construction dust prior to final inspection to the satisfaction of the Architect/owner. Adjust all doors to smooth, proper operating condition, including proper sealing prior to turnover of facility to owner.

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