

## SPECIFICATION SHEET # 107 – Vertical Lift Door - Power

Vertical lift doors are used for side-by-side installations as in loading docks or when side space is not desired. These doors are one-piece panels that lift straight up and limit the risk of damage while open.

### PRODUCT FEATURES

#### Door Panel

- Constructed with aircraft quality extruded aluminum internal frame with reinforced mitered corners
- Panel clad with 26ga stucco embossed white galvanized steel
- Meets USDA, MID, and CFIA requirements

#### Insulation

- NON-CFC polyurethane
- “R” value of 32 at 4” and 48 at 6”

#### Door Frame

- Header and casing in white or gray HDPE
- Clad with panel matching steel complete with optional jamb widths

#### Hardware

- Extruded aluminum door track with down and in motion to ensure assure a ramp tight door seal when closed and immediate gasket clearance when opening
- All hardware with 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

- As above with full perimeter 120V heater cable around door
- Requires a separate 120V AC, single phase connection, by others
- Additional heated seals required for -20° F

#### Motor/Operator

- Power requirements 120V – 575V, 1 phase, 60 cycle (one leg of 3-phase capped)
- Brushless technology with motor totally enclosed for life
- Controller with overload protection for smooth and quiet operation
- Programmable acceleration and deceleration
- Two remote pullcord stations for opening/closing controls
- Dry contact controls
- NEMA 4 enclosures
- Programmable obstruction sensing for safety
- Roller chain #40
- Average speed of 30” per second to open and 18” per second 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 stucco embossed or smooth galvanized steel
- Controls: radio receiver with remote operation, motion sensors, photocells, time delay close, and loop detectors

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## PART I – GENERAL

### 1.0.1 SCOPE

Supply, where indicated on plans LoTemp Doors' cooler or freezer vertical lift 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 – SPECIFICATION

### 2.0.1 SUBSTITUTIONS

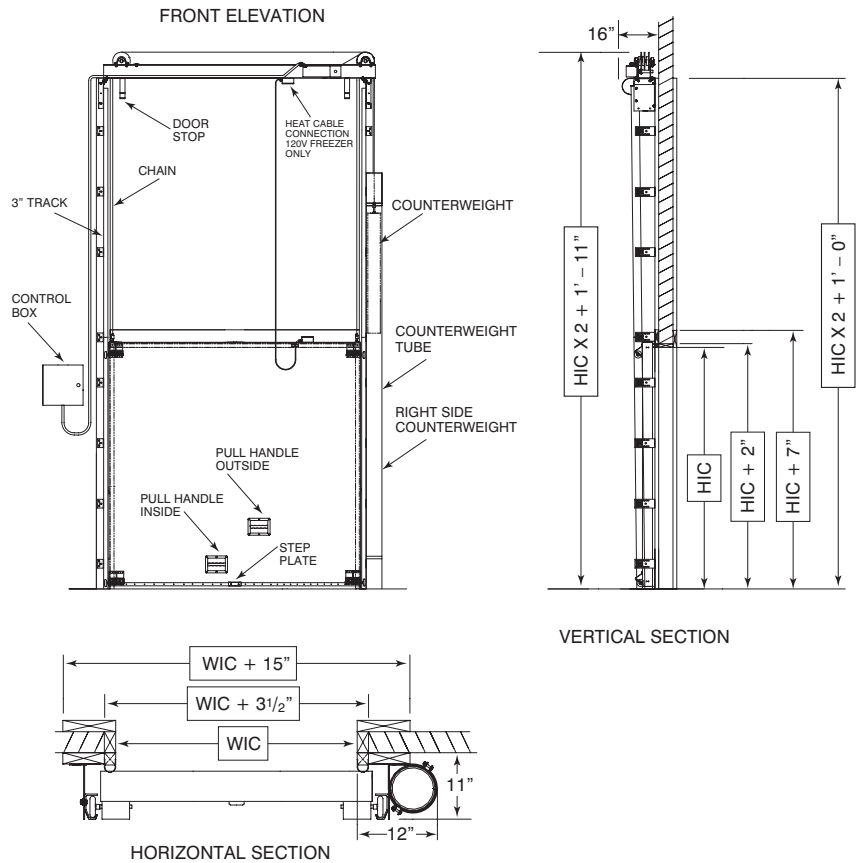
This specification is written with LoTemp Doors as the basis of acceptable performance. No substitutions will be considered unless a written request is received in the Architect's office at least 14 days prior to date for receipt of bids.

### 2.0.2 SUBMITTALS

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

### 2.0.3 QUALITY ASSURANCE

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



## 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 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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