

TECHNICAL SPECIFICATIONS

GENERAL

Walk-in coolers and freezers shall be of modular design, consisting of prefabricated panels for easy and accurate assembly.

All refrigeration components supplied must be available at any local refrigeration wholesaler.

CONSTRUCTION

The construction of the prefabricated walk-in coolers and freezers is included in the work of this section. All panel sections shall be made in widths of 11 ½", 23", 34 ½", and 46". Scribed sections shall be 3" wide by 3" high. Panel sections shall consist of interior and exterior metal pans precisely formed with metal dies and factory checked for uniformity. No wood framing or reinforcing shall be used in the wall or ceiling panels. Sections shall have a matching tongue and groove profile to provide a continuous foam-to-foam and airtight when panels are locked in place. All Walk-In joints silicone sealed.

INSULATION

Standard Insulation shall be CFC FREE and a minimum 3" thickness, non-listed type, rigid foamed-in-place polyurethane, with a minimum rating of R20 for a 3" panel, and R24 for a 4" panel.

FINISH

Shall be baked white enamel on 24 gauge galvanized steel (alternate finishes available contact Curtis).

FLOOR

Floors shall be 18 gage galvanized steel designed to withstand up to 300 lbs. per sq. foot stationary, distributed loads.

PANEL FASTENERS

Panel sections shall be assembled with Curtis eccentric cam locking devices actuated from the interior of the room enabling sections to be erected within 1½" from any building walls, columns, or ceilings. Plug buttons shall be supplied to close the access holes after installation of panels.

DOOR AND DOOR FRAMES

Each door frame shall be provided with a 34" x 78" clear opening entrance door. Construction of both door & door frame shall be same material and construction as wall panels.

DOOR SWEEP

Shall be resistant to water, fats and oils and easily replaceable.

DOOR HARDWARE

Doors shall be self-closing with two cam lift type hinges with nylon cams and stainless steel pins. Latches shall be equipped for padlocking with inside safety release. Positive spring activated mechanism brings door to a smooth close.

DOOR FRAME HEATERS

All freezer door frames will be equipped with replaceable anti-condensate heaters, 115/1/60.

LIGHTING

Each door frame shall be equipped with an interior vapour proof light fixture prewired to a pilot light and switch on the exterior of the door panel. 115/1/60. Where applicable extra light fixture supplied & mounted only by Curtis, ready for power and interwiring back to Curtis door frame light above door, by DIV. 16.

THERMOMETER

A 2" dial thermometer shall be furnished on the exterior of the door frame, having a range of -40°C to 15°C, to indicate the interior temperature.

PRESSURE RELIEF VENT PORT

A heated air pressure relief vent shall be furnished on all walk-ins freezers prewired to interior light fixture, 115/1/60. Heated air pressure relief port equipped on all rooms below 2°F. Equalizes pressure when door is opened or closed. Heated valve prevents freeze-up.

SUBMITTAL DRAWINGS

Curtis to supply a complete set of submittal drawings for approval upon receipt of order.

STANDARD OPERATING TEMPERATURE

Cooler: 3.3°C / 38°F; Freezers: -18°C / 0°F, or -23°C / -10°F where specified.

CERTIFICATIONS



OPTIONAL FEATURES

FINISH:

- Stainless steel type 302 #4 finish
- Stucco embossed aluminum - white or plain
- Plain aluminum
- White embossed steel
- Powder coated colours

PANELS

Curtis standard 3" panel thickness, also available in 4" thick

FIRED RATED/APPROVED PANELS

NSF APPROVED

UL/ULC approved and labelled panels

HEIGHTS

Curtis standard walk-in exterior heights of 6'10" & 7'11", also available is:

- 8'-5"
- 9'-0.5"
- 10'-0"
- Custom heights available

TRIM

Curtis vertical trim where required

DOOR ACCESSORIES

- Foot treadle
- Vinyl strip curtain
- 15" x 15" thermopane sealed windows. Freezer heated prewired by Curtis
- 40" High aluminum treadplate kick-plate front, edges and/or door back

EXTERIOR RAMP

Shall be provided at Curtis door opening to allow for flush entrance into walk-in

INTERIOR RAMP

Shall be provided on walk-in rooms where indicated. Ramp depth 24" x door width complete with treadplate on ramp face.

ENCLOSURE PANELS

Supplied by Curtis from top of walk-in to building finished ceiling, max 24" high, same finish as walk-in exterior

BUMPERS

Various types and sizes consult Curtis

AUDIO & VISUAL TEMPERATURE ALARM

Walk-in c/w one high/low temperature alarm, digital °C or °F display, audible alarm, battery back-up, adjustable time delay, remote monitoring capability, high & low adjustable alarm set points, remote probe in dry well, 115/1/60 direct connect by DIV. 16.

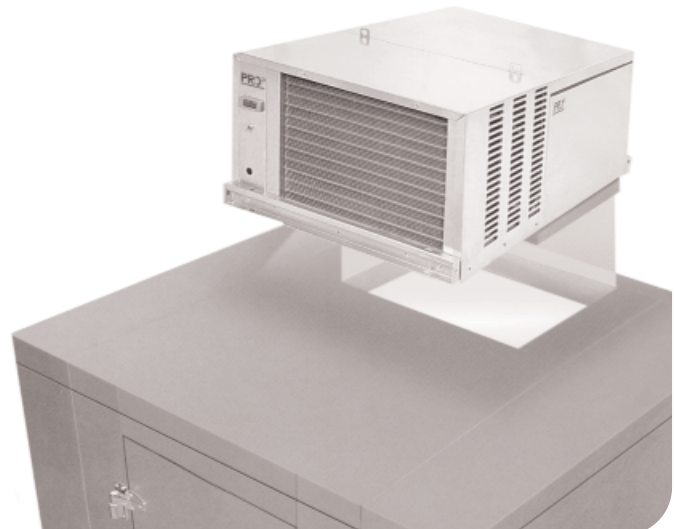
REFRIGERATION SYSTEMS:

- Remote, site installed condensing units on Curtis compressor rack (for indoor) or on building roof on owners sleepers/Curbs
- Site installed on top of Curtis walk-in room
- Curtis factory installed, top mounted self contained, wired and tested systems all on Curtis walk-in ceiling panel ready for electrical and coil drain connections by other trades
- Penthouse systems available on walk-in rooms up to 50 sq. feet. No coil condensate drain required at site, prewired ready for electrical connection DIV. 16.

SELF CONTAINED SYSTEMS



TOP MOUNT FACTORY SELF-CONTAINED SYSTEMS



PENTHOUSE COIL SYSTEMS
Limited application

curtis
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*Specifications subject to change by Curtis without prior notice