



## **ColdRite Refrigeration and Manufacturing, Inc.**

### **Standard Specifications for Walk-In Cooler and Freezers**

#### **PANEL CONSTRUCTION**

All panels consist of interior and exterior metal skins, 4" insulation core, and cam-lock fasteners. Each prefabricated panel shall be injected with polyurethane insulation, "foam-in-place", which adheres to the interior of the panels, providing increased structural strength. Panels shall be connected using a tongue and groove system and secured with cam-action locking devices which are operable from the inside of the walk-in using hex-shaped wrench. Construction shall be approved by the NSF and display the trademark of approval.

#### **INSULATION**

Each prefabricated panel shall be "Foamed-in-Place" with U.L. Listed, Class 1 urethane foam insulation which has a flame spread rating less than 25 and smoke density less than 450 when tested in accordance to ASTM E84 (UL 723). The thermal conductivity or "K" factor of the insulation shall be 0.12 BTU/hr./ft squared per degree Fahrenheit / inch of thickness. Overall panel thickness shall be 4". (5" thickness available) Foam insulation shall be dimensionally stable from -100 degrees Fahrenheit to +200 degrees Fahrenheit.

#### **CONNECTIONS**

Panels are easily aligned with the use of tongue and groove high density foam rail and are connected by cam lock fasteners located at the edge of the panels. They are simply assembled from the inside of the walk-in with a 5/16" hex-shaped wrench that shall be supplied. To provide an air tight joint, an NSF approved

gasket shall be positioned at the tongue edge of each panel. Should this product ever need relocation, it is simply taken apart and put back together in a short amount of time.

#### **METAL FINISHES**

ColdRite offers a variety of possible finishes to fulfill all projects' specifications. Combinations of materials and colors are available for interior and exterior surfaces upon request. Metal finishes of panels are as follow:

##### Walls and ceilings

- 24 Ga. to 20 Ga. type 304, No. 4 finish Stainless Steel
- 26 Ga. Stucco Embossed Galvanized Steel
- .032 Stucco Embossed Aluminum
- 26 Ga. Stucco Embossed White Galvanized Steel

##### Floors

- .060 Smooth Aluminum
- 16 Ga. Stainless Steel

#### **CORNERS**

All panel corners shall be angled at 90 degree and shall be fabricated with NSF approved radius.



## **FLOORS**

Prefabricated floors shall follow similar construction guidelines as other ColdRite panels and built with integral cove base of 3/4" radius required by the NSF to make cleaning easier. Floors shall be reinforced using plywood and ADP. Wall panels shall align to floor panels using a tongue and groove system and they shall be secured together with cam-lock fasteners.

Interior and exterior ramps are also available.

## **DOORS**

ColdRite passage doors consist of an interior and exterior metal skin mounted on a strong plastic door structure with an interior metal backing for the door's hardware. Passage doors shall be flush mounted. Every door is foamed-in-place, making it light and long lasting. Doors are equipped with two standard heavy-duty self-closing hinges, a lockable handle with inside release, heavy-duty hydraulic door closure, a push-in magnetic gasket, and adjustable dual wipers. Passage door and door frame shall be fabricated to match the core thickness and metal finish of the wall panels, unless otherwise specified.

Freezer doors come with an additional approved heater wire on all four sides, and one heated air vent to equalize pressure between the interior compartment and exterior spaces.

The standard ColdRite passage door clear opening size shall be 36" X 78". Doors can be fabricated to fit any dimension upon customer's request. Glass door openings are also available upon customer's request.

Door jambs are constructed in the same manner as wall panels, with fully welded anodized aluminum rigid frame in the interior perimeter, giving it greater resistance. ColdRite's freezer standard door jambs are equipped with a flush mounted 2 1/2" dial thermometer and flush mounted light switch pre-wired to the interior vapor-proof light fixture.

Optional hardware include: a third hinge, rack and pinion door closer, kick plates, deadbolts and view windows.

## **PANELS FASTENERS:**

Panel fasteners shall be Kason Panelocks barbed locking point mod.1153A and strike mod.1154000812, which are manufactured from heavy-gauge steel.

## **ACCESSORIES**

- View port windows (heated for freezers)
- Interior and exterior kick plates in stainless steel or aluminum diamond plate finish
- Interior and/or exterior ramp for prefabricated floor
- Entrance door strip curtains
- Sliding, reach in and custom swing doors
- 4" Surface mounted dial thermometer.
- Stainless steel or aluminum diamond plate corner



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- Fluorescent light fixtures with low temperature ballast for freezer applications
- Outdoor roof cap or membrane