



Product Specifications

Wood Rail Walk-In Coolers & Freezers

General

Carroll Coolers Wood Rail Walk-in coolers and freezers are fabricated of modular design and construction. They are designed to allow convenient and accurate field assembly and future enlargement by the simple addition of panels. Standard finish is 26-gauge stucco galvanized steel.

Panel Construction

The panels consist of interior and exterior metal clad surface precisely formed with steel dies and roll form equipment and thoroughly checked for uniformity and accuracy. The insulation is "foamed-in-place" polyurethane, and when completely heat cured is bonded to the metal skins and forms a rigid 4" or 5 1/2" thick polyurethane insulated panel. All panels have wood perimeters that provide structural strength and rigidity.

Panels have tongue and groove edges on adjoining sides of every panel. A flexible vinyl gasket extends around the interior and exterior perimeter of each tongue edge. Gaskets are resistant to damage from oil, grease, water, detergents and sunlight, and are NSF Listed and flame retardant.

Cam Locks

Cam-action locking devices are precisely positioned in the panels to insure a positive joint. The locking devices consist of cam-action rotating locking arms in the tongue edge. The locking arms engage a steel rod which is firmly anchored in the groove edge. This action draws all joints tightly together for excellent strength and a tight seal. Locking of standard panels is performed from the interior of the walk-in by means of a hex wrench furnished by CCI. The hex wrench holes are covered with a plastic plug button upon completion of the installation.

Insulation

Insulation is "foamed-in-place" polyurethane. Our panels exceed all minimum requirements of the Department of Energy for K-Factor and R-Values. Insulation has a 98% closed-cell structure and average in-place density of 2.0 - 2.2 lbs. per cubic foot.

Walk-In Doors

CCI standard door (34"x78") is an overlap design unless otherwise specified. All doors 42" in width or less are designed to be self-closing using a brushed chrome positive seal latch with keyed cylinder lock and strike plate. The door and frame are of similar construction and finish as the wall panels.

The standard door frame consists of a wood perimeter onto which the interior and exterior metal skins are secured, creating a thermal break between metal facings. Doors seal to the frame by means of a magnetic gasket.

Each freezer door has anti-condensate heater wires concealed behind the exterior skin, and a second wire in the door frame. The heater wires are accessible should a need for service arise. Applications of over 32 degrees Fahrenheit do not require a heated door or frame. A digital thermometer is provided for the opening side of the frame. The thermometer is accurate to plus/minus 1-degree Fahrenheit and is NSF Certified.

Floor Construction

When a floor is required, the floor panels are 4 5/8" thick with 4" of insulation. The floors are designed and manufactured to support uniformly distributed loads up to 800 pounds per square foot. For heavier load applications, CCI offers a Super Floor with additional reinforcement and a 2nd layer of 5/8" plywood underlayment. Contact CCI for load information.

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NSF

The wearing surface of floors is .050 smooth aluminum with 5/8" plywood backing for rigidity. The floors are built with the required NSF cove. When an insulated floor is not required, wood screed walls or flat bottom walls are furnished and ram set or lagged to the existing floor for rigidity. When the standard wood screed walls are built, cove molding is shipped loose to meet NSF requirements. When optional flat bottom walls are built, vinyl screed is shipped loose to meet NSF requirements.

Door Hardware

The standard door hinges are of a cam-lift design and have a brushed chrome finish. The hinges have steel pins with nylon bushings. The hinges have a minimum 9" strap and are installed in sufficient numbers to carry the weight of the door. The standard door latch is constructed of similar materials and of the same finish as the door hinges. The latch is designed to open the door easily with an inside safety release feature that complies with OSHA standards. A safety release sign is affixed to the inside of the door section that clearly explains proper instructions for the safe exit from the cooler or freezer, even if the door has been locked or padlocked on the outside.

Door Gaskets

The door gasket is a vinyl material with a concealed magnet which adheres to the metal on the door frame. The gasket design allows for quick and easy replacement in the event the gasket becomes damaged.

Lighting

Each entrance door is provided with a vapor-proof light fixture for mounting on the interior door frame. The fixture has a shatter-proof globe. A digital thermometer is provided for the exterior strike side of the door frame. The door frame and door plug are UL listed. All electrical components are shipped loose and UL listed. The vapor-proof light fixture is capable of accepting up to a 60 watt bulb. We recommend LED lighting for an energy efficient alternative. Light bulbs are not supplied by CCI.

Since 1987 the people at CCI have been committed to providing you with a top quality walk-in and the very best service in the industry - both before and after the sale.

At Carroll Coolers, we take great pride in serving our customers' needs in an accurate and timely fashion. Plus, we have the industry's best on-time shipping history for quality and satisfaction guaranteed.

Installation Instructions

A complete set of instructions for the installation of the walk-in or retro kit is provided.



NSF Certified

Construction is of a design listed by the National Sanitation Foundation (NSF) and carries the NSF Certification label affixed to each door tag.



UL Electrical Listed

All door sections are listed by the Underwriters Laboratories (UL) and each door section carries the UL listing mark.

UI FI 25 Flame Spread Certified

Carroll Coolers panels have a UL core material flame spread rating of 20, and a core material smoke development rating of 400.

Each panel has an affixed label stating these ratings. (Class 1 Composite Panel). The above rating is not intended to reflect hazards presented by this or any other material under actual fire conditions. (See UL Classified Building Materials Index)

Panel Warranty

CCI warrants, to the original purchaser, the full "foamed-in-place" panels to be free from defects in material and workmanship under normal use and service. Panels are warranted against delamination for a period of ten (10) years from the date of shipment to an authorized representative and shall be obligated to repair or replace (F.O.B. Carroll, IA) any panels that have delaminated metal skins.

This warranty shall not apply to equipment which, in the manufacturer's opinion, has been subjected to misuse, misapplication, improper installation or acts of God.



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