



CARROLL COOLERS

STANDARD FEATURES On Every Carroll Cooler & Freezer



Standard Door Size is 34" x 78"
Standard threshold is 1/8" aluminum. All freezers and coolers with a floor include a threshold. Coolers without a CCI floor do not include a threshold.

Stainless Steel Floor Panel
Constructed of 2' x 4' or 2' x 6' frame, foamed-in-place polyurethane insulation covered with 5/8" CDX-type plywood



Wall Panel
Interior and exterior surface clad with 26 gauge stucco galvanized constructed metal



Chrome Plated Hydraulic Door Closer standard on all doors up to 42" in width



Two-piece Cam Action Heavy-duty, offset cam fasteners provide maximum locking efficiency with versatility for easy disassembly



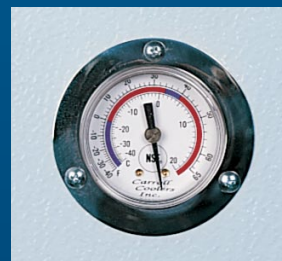
Safety-glow™ Push Release to prevent entrapment



Chrome Plated Positive Seal Latch with keyed cylinder lock and striker plate



Brushed Chrome Spring Loaded Cam-lift Hinges



2" Dial Thermometer with Stainless Steel Case



Adjustable, Double-blade, Rubber Sweep Gasket

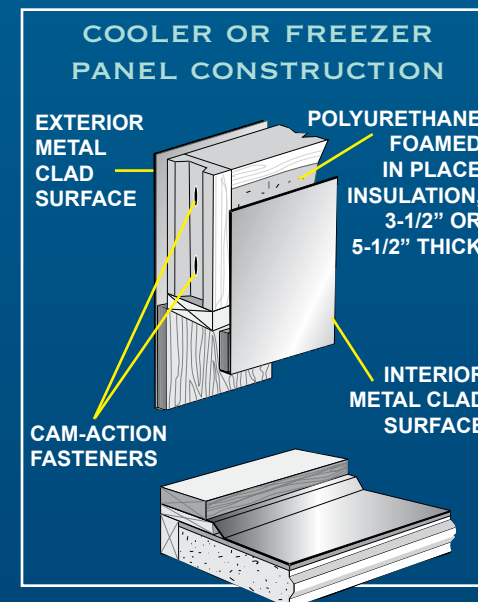
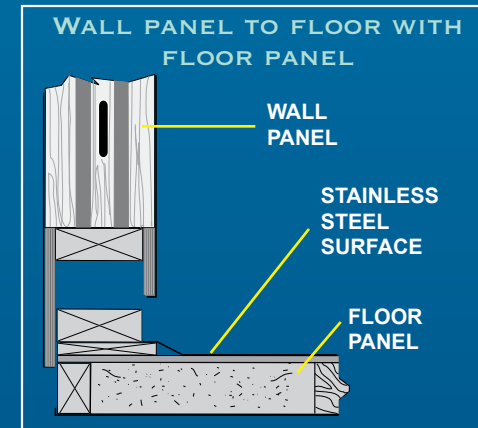
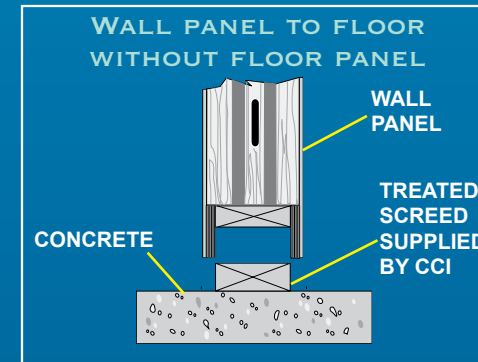
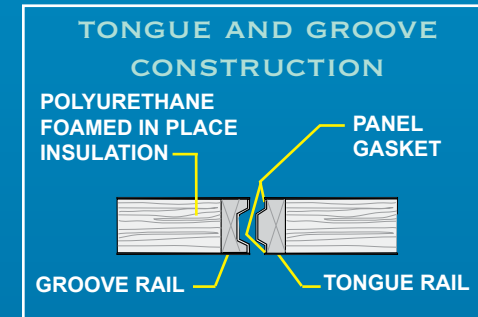


Vapor-proof Light Fixture with shatter-proof globe



Pilot Light Switch

Easy To Assemble Tongue & Groove Construction For Convenience Stores, Supermarkets, Institutions and Warehouses



Custom designed, our wood-framed, polyurethane, foamed-in-place insulation panel permits design and construction of almost any configuration, length, width and height of walk-in coolers and freezers that meet your requirements.

Heavy-duty, plywood-reinforced stainless steel floors; 26 gauge metal walls; tongue and groove, cam-lock construction; and 3-1/2" or 5-1/2" thick panels give you all the versatility you need to match your project specifications.

Each cooler is factory assembled, tested and identified in accordance with complete numbered instructions for precise and easy on-site assembly.

Options

- * Finishes (i.e. white stucco galvanized, black stucco galvanized, stucco aluminum, white stucco aluminum and 22 gauge non-polished (304 2B) stainless steel)
- * Custom Door Sizes
- * Interior/Exterior Ramps
- * Kick Plates
- * Closure Panels
- * Fluorescent Lights
- * Outdoor Roof Caps
- * Vision Ports
- * Glass Display Doors
- * Reach-in Doors
- * Sliding Doors
- * Double Action Doors
- * Strip Curtains
- * Digital Thermometers and Alarm Systems
- * 3 Way Light Switches for Multiple Doors
- * Shelving
- * Heatcraft™ Refrigeration Systems



Vision Port



Heated Vent (standard on freezers)



Locking Hasp



MANUFACTURING STANDARDS

GENERAL Walk-in coolers and freezers provided under this section of the standards 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 with optional 26 gauge white stucco galvanized, 24 gauge black stucco galvanized, .032 stucco aluminum, .032 white stucco aluminum and 22 gauge non-polished stainless steel (type 304 2B finish). All panels are manufactured by Carroll Coolers, Inc., in Carroll, Iowa.

PANEL CONSTRUCTION The panels consist of interior and exterior metal clad surface precisely formed with steel dies and roll form equipment and thoroughly checked with gauges for uniformity and accuracy. The insulation is "foamed-in-place" polyurethane, and when completely heat cured, is bound to the metal skins and forms a rigid nominal 3½" or 5½" thick polyurethane insulated panel. All panels have wood perimeters that provide structural strength and rigidity. To insure that all joints are air tight and vapor proof, 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 Certified 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 providing an air-tight and vapor-proof seam.

All 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. The plastic plug button matches the interior metal.

INSULATION Insulation is "foamed-in-place" polyurethane. The thermal conductivity factor (K) does not exceed 0.12 BTU per hour, per square foot, per degree F, per inch. Overall coefficient of heat transfer (U-factor) is not more than .034 for 3 1/2" or .023 for 5 1/2" walls. The (R-factor) for a 3 1/2" wall is 29 and a 5 1/2" wall is 44. Insulation has a 98% closed-cell structure and average in-place density of 2.0 lbs. per cubic foot. The polyurethane insulation retains dimensional stability in an operating temperature of 0 degrees F. (3 1/2" wall) and -10 degrees F. (5 1/2" wall); respectively, to 180 degrees F. dry heat.

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. Consult CCI regarding larger self closing doors. The door and frame are of similar construction and finish as the wall panels.

The standard frame consists of a wood perimeter onto which the interior and exterior metal skins are secured, creating a thermal break between metal facings.

The standard foam door plug includes a ribbed channel around the inside perimeter into which the magnetic gasket mates.

Each freezer door has a single anti-condensate heater wire and is concealed behind trim on the face of the door frame on all sides to prevent condensation and frost formation. The heater wire is easily accessible for replacement or service. Applications of 35 degrees F. and above do not require a heater wire.

A dial thermometer is mounted on the strike side of the frame. The thermometer provides temperature readings in a minimum range of -40 degrees F. to +60 degrees F. and is accurate to plus or minus 1 degree F. The thermometer is NSF Certified.

FLOOR CONSTRUCTION When a floor is required, the floor panels are 4 1/8" thick with 3 1/2" of insulation and 6 1/8" thick with 5 1/2" of

insulation. The floors are designed and manufactured to support uniformly distributed loads up to 700 pounds per square foot.

NSF The wearing surface of floors is 22 gauge, non-polished stainless steel (type 304 2B finish) 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 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 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 heavy-duty magnet which adheres to the metal on the door frame. The gasket design allows for quick and easy replacement in the event the gasket should need to be replaced.

LIGHTING Each entrance door is provided with an incandescent vapor-proof light fixture for mounting on the interior of the door frame. The fixture has a shatter-proof globe. A pilot light and toggle switch with a stainless steel cover is furnished on the exterior strike side of the door frame. The door frame and door plug are UL approved. All electrical components are shipped loose.

The vapor-proof light fixture is capable of accepting up to a 100 watt bulb. Light bulbs are not supplied by CCI.

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 approved by the National Sanitation Foundation (NSF) and carries the NSF Certification label mounted on each door tag.

UL ELECTRICAL APPROVAL All door sections are approved by Underwriters' Laboratories (UL) and each door section carries the UL listing mark.

UL FL 20 FLAME SPREAD CERTIFIED The panel has a flame spread rating of 20 or less and a smoke development of 350 or less. Each walk-in has affixed a label to it 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 for a period of ten (10) years from date of original installation by an authorized representative and shall be obligated to repair or replace (F.O.B. Carroll, IA) any section which proves to be defective.

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.

WOOD FRAME COLD STORAGE WALK-IN COOLERS & FREEZERS



ANY SIZE • ANY SHAPE • CUSTOM BUILT FOR CONVENIENCE
STORES, SUPERMARKETS, INSTITUTIONS AND WAREHOUSES



CARROLL COOLERS INC.

These standards are subject to modification and/or change without notice.

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