

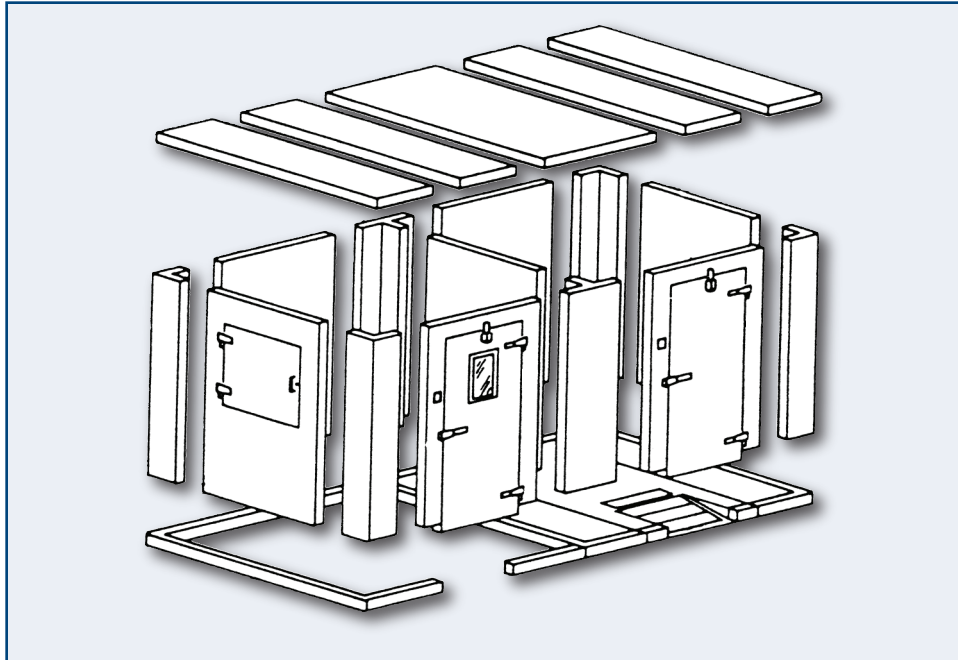
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FINELINE™ CUSTOM WALK-INS

CONDENSED SPECIFICATIONS FOR ARCHITECTS AND CONSULTANTS



**DESIGNED
 TO YOUR
 SPECIFICATIONS!**

PROJECT:

ITEM NUMBER:

MODEL NUMBER:

FINELINE™ CUSTOM WALK-INS

STANDARD FEATURES

- Coolers, freezers and combination cooler/freezers
- Modular panel construction for easy installation, expansion and relocation
- 26 gauge corrosion resistant stucco embossed coated steel
- .100 smooth aluminum interior floor (on models with floor)
- Floorless models provided with NSF approved vinyl sealers, foamed-in-place screeds or female bottom rails
- Full 4" or 5" thick panels foamed-in-place with HFC-134a polyurethane insulation which is CFC & HCFC Free. Zero Ozone Depletion
- Doors equipped with heavy duty polished chrome hardware
- Heavy duty, extruded, anodized aluminum load bearing door frame jamb
- Deadbolt locking handle with independent key/padlock feature and inside safety release
- Vapor proof light fixture
- Magnetic door gaskets and spring actuated door closer
- Heated pressure relief port on all freezers
- Indoor and outdoor roof and ceiling support systems
- Fifteen year panel warranty
- NSF approved
- UL & FM flame spread 25 approved panels
- UL and CSA electrical approved door section
- City of New York (MEA) approved
- City of Los Angeles approved
- City of Houston approved
- Oregon State approved
- State of Wisconsin Building Product approved
- USDA accepted
- Factory Mutual
- Registered by UL to ISO 9001:2008

OPTIONS

- Selection of interior and exterior surfaces and finishes
- Various door styles and sizes
- Wide range of computer sized and balanced refrigeration systems
- Indoor and outdoor roof and ceiling support systems

ACCESSORIES

- Interior and exterior door kickplates
- Cooler and freezer door viewports
- Interior and exterior ramps
- Bumper rails, trim strips and closure panels
- Various security alarm systems
- Extra lights and special switches
- Shelving (free-standing)
- Special floor underlayments and topside plating

SPECIFICATIONS

1.0 GENERAL:

1.1 Walk-in coolers and freezers to consist of precision constructed modular 4" or 5" thick rigid polyurethane foamed-in-place interchangeable panels. Panels are designed for easy installation, expansion and relocation.

1.2 Panels shall be prefabricated modular construction consisting of 100% foamed-in-place polyurethane insulation, bonded by an adhesive to the interior and the exterior metal pan skins and heat cured for life long stability.

1.3 Each wall panel skin is to be formed using a double 90° bend on each edge to add strength and rigidity. Panels are to be in 6 inch increments, with a minimum width of 12 inches.



Nor-Lake, Inc.
 Registered to ISO 9001:2008
 File No. 10001816

1.4 All panels are to bear the UL, FM and NSF label. The panels shall incorporate cam lock type fasteners with reverse wing structural support as joining devices for the adjacent tongue and groove panels. Each device is to consist of a cam action locking arm and a steel rod in adjoining panel so that by rotating the locking arm, the hook engages over the rod and the cam action draws the panel together. The resulting panel joints shall be sealed by a foamed-in-place, continuous one piece gasket.

1.5 Panel joints are to be precisely formed male and female tongue and groove shapes fabricated to force the male edge to contact the female edge, providing additional seal. The panel joint shall have a gasket which provides a positive seal that meets NSF standards. Gasket shall be "locked" to the skins and run in a continuous piece, completely around the panel with only one break to provide the optimal seal.

2.0 INSULATION

2.1 Insulation shall be a full 4 inches or 5 inches thick, UL and FM Class 1 rigid foamed-in-place HFC-134a polyurethane with a minimum 2.0 lbs/cubic foot density. Foam polyurethane shall be injected into the panels by means of a high output, high impingement, froth mixer. Poured-in-place foam injection is not acceptable.

2.2 Environmentally friendly HFC-134A polyurethane foam insulation provides a minimum "R" value of 9 per inch of thickness at a very low mean core temperature.

2.3 Insulation shall be 95% closed cell structure. Flame spread rating according to ASTM E-84/UL 723 shall be 25 or less.

2.4 The use of R-12 and/or R-22 as a blowing agent is specifically prohibited.

3.0 FLOOR STYLES:

3.1 Less floor 4" wall walk-ins shall be supplied with PVC extruded floor sealers with semi-flexible edges, which seal to floor without the use of exposed fasteners. Sealer shall encase the wall panel on both interior and exterior surfaces with a flexible rubber collar a minimum of 3" high from finished building floor. Sealer shall meet NSF requirements for floor cove molding. Additional less floor options include female bottom rail walls for 4" and 5" thick walk-ins and various height foam sealers for 4" thick walk-ins. Consult factory for detailed specifications.

3.2 With floor walk-ins shall be a full 4 inches thick with one piece foamed-in-place edge caps. Edge caps include metal formed adhesion edges which result in the edge caps being a foamed integrated member of the floor panels. Glued-in-place edge caps are not acceptable. Floor panels shall be designed to withstand uniformly distributed loads of 800 pounds per square foot. The joint between the floor and wall shall form a NSF approved 45° angle to allow for easy cleaning.

4.0 CEILING PANELS:

4.1 Ceiling panels shall be a full 4 inches or 5 inches thick with one piece foamed-in-place edge caps. Edge caps include metal formed adhesion edges which result in the edge caps being a foamed integrated member of the ceiling panels. Glued-in-place edge caps are not acceptable.

4.2 Metal face skins are to incorporate seams using a double 90° bend at a maximum width of two feet for additional strength. The joint between the ceiling and wall shall form a 45° angle to allow for easy cleaning.

5.0 FINISHES:

5.1 The interior and exterior walls and interior ceiling shall be supplied with 26 gauge corrosion resistant stucco embossed coated steel. The interior floor surface (when applicable) shall be .100 smooth aluminum. Other finishes are available.

6.0 DOOR CONSTRUCTION:

6.1 Entrance door shall be in fitting, flush design. The door section shall provide a full 4 inches or 5 inches of polyurethane HFC-134a insulation,

construction and finish shall be the same as the adjoining wall panels.

6.2 The door shall be 4 inches thick, constructed to incorporate heavy duty, molded ABS breaker strip, which is permanently foamed-in-place. Bottom of door shall seal with an adjustable double sweep gasket, uniquely designed to provide complete seal between door, threshold, and door jamb.

6.3 Door jamb to be a fully coved, extruded, welded, structural anodized aluminum, rigid frame design for easy cleaning and maintenance.

6.4 Threshold plate provided shall be constructed of extruded aluminum for bearing strength. Cooler/freezer shall have an anti-sweat heater wire around the entire perimeter of the door opening and under threshold.

6.5 The heater wire (standard in both coolers and freezers) shall provide enough heat to prevent condensation. All conduit for the inner-wiring of the door panel shall be totally concealed in the polyurethane foam panel, exposed conduit is not acceptable.

6.6 Door section to be field wired to surface mounted junction box on the interior door panel. The door size, location and swing to be as indicated in Specifications Drawings.

6.7 Door hardware shall be highly polished chromium plated steel. Hardware shall include a spring actuated door closer, field adjustable cam lift hinges, & deadbolt locking handle with independent key/padlock feature and inside safety release. All hardware shall be attached to extra large 1/2 inch thick, nonconducting synthetic tapping plates.

6.8 Digital thermometer calibrated to indicate interior walk-in temperature shall be provided with each entrance door.

6.9 Remote incandescent vapor proof gasketed UL listed light fixture, made of cast aluminum with plastic coated glass globe. Mounted, at the interior handle side of the door section. Locate light switch with pilot light adjacent to door, on exterior handle side of door section, with all inner wiring in rigid conduit concealed inside the door section and terminated at a surface mounted junction box on the interior door frame. Fixture shall operate on 115 VAC.

7.0 INSTALLATION AND MAINTENANCE:

7.1 Included with each walk-in shipment is a complete set of installation instructions covering all phases of panel erection, accessories, and maintenance procedures.

8.0 APPROVALS:

8.1 Walk-in construction is approved by NSF International and shall have the NSF seal on the door section.

8.2 Walk-in panels shall have a UL & FM flame spread rating of 25.

8.3 The door section shall be UL and CSA approved as an electrically approved assembly.

8.4 City of Los Angeles approved, City of Houston approved, Oregon State approved, State of Wisconsin Building Product approved, USDA accepted, Factory Mutual Specification tested.

9.0 WARRANTIES:

9.1 Manufacturer shall provide a written warranty to the owner stating the product is free from defects or workmanship under normal use and service. Warranty shall become effective following the acceptance date and cover the insulated panels for a period of fifteen years and parts for a period of 18 months.

10.0 QUALITY ASSURANCE:

10.1 To insure the finest quality in material and workmanship the above specifications shall be held in full compliance. Please specify the walk-in cooler or freezer is to be as manufactured by Nor-Lake, Incorporated, Hudson, Wisconsin.

10.2 Contact Nor-Lake, Incorporated for a copy of the most detailed Specification Manual available in the Foodservice Industry.

11.0 SITE CONDITIONS:

11.1: To assure proper operation, site conditions should be controlled. The walk-in product should be in a well ventilated location. Indoor ambient conditions should be controlled, relative humidity between 30%-60% and maintaining a dew point of 50°F (or less).



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