

FINISHING KITCHEN

Project No. R.067189.001

Various Institutions

APPENDIX 1

**Generic Spec for -1 degree
Walk-ins Supporting Food
Service Modernization Plan**

**Generic Spec for -1 degree Walk-ins supporting
Food Service Modernization Plan**

Overall Design

- Be of prefabricated modular design and construction.
- Be NSF, UL, C-UL, CSA, ULC panel HACCP compliant.
- Be designed in the year 2011 or later.
- Ensure maximum storage space is provided.
- Be constructed with modular panels possessing cam-lock closers, for secure and tight fit between joints. All panels shall be interchangeable and have a non-silicone rubber gasket seal to ensure air tight and waterproof seals at the joints without the use of applied silicone.
- Ensure panels are a minimum 4" (102mm) thick material core, made from CFC free and HCFC free material and permanently affixed to the interior and exterior metal panels
- Have a minimum R-value of R27 for the cooler and R-32 for the freezer and retaining 75% of its R-value after 5 years
- Have exterior and interior metal finishes at a minimum 26 gauge, corrosion, dent and scratch resistant coated steel
- Be provided with a heated pressure-vacuum relief vent to relieve internal pressure or vacuum.
- Possess light(s) suitable for walk-ins and appropriate to area to be illuminated.

Floors & Ramps

- Will withstand a minimum weight of 5,000 pounds per square foot of static weight.
- Made of materials that are resistant to mould and water to ensure a strong structure that will not rot or rust.
- Finished with a metal plate, foamed in place, to disperse weight load evenly over the floor with an aggressive surface to reduce slips such as, 1/8 inch diamond tread aluminum.
- If the walk-in freezers shall have an interior, ramp and heated threshold in freezer compartment. The ramp will have non-skid strips applied to top at a sufficient length and angle for easy loading of pallets using hand pallet jack. A heated ramp is desirable.

Swing Doors:

Each door must have the following features:

- Minimum width 36" & height 78" as identified in the tables under 6.1.1
- Is flush (in-fitting), self-closing, flush-mounted with magnetic gaskets to ensure a complete seal between door, threshold, and door jamb.
- Is field adjustable.

- Automatic closing devices to ensure they cannot be left open, accidentally. Hydraulic door closers are not acceptable.
- Spring loaded hinged with non reversible screws for correctional application.
- Ensures the bottom of door has a seal with an adjustable double sweep gasket, to resist water, fats and oils.
- Ensure the bottom of door has a seal with an adjustable sweep gasket.
- A threshold (sill) plate made of materials to withstand heavy traffic.
- A door jamb that is rigid frame designed for easy cleaning and maintenance.
- A door frame that is equipped with an anti-sweat heater wire around the entire perimeter of the door opening. The heater wire shall provide enough heat to prevent condensation and in an electrically safe housing that can be easily replaced without the need for clips or special tools. All conduits for the inner-wiring of the door panel shall be totally concealed in the panel.
- Have a minimum of 36" high, kick plates on the interior, exterior of the door plug and on the door frame, to prevent damage.
- Have a combination light switch and thermometer (reading the interior temperature in Centigrade).
- Be UL and CSA/ETL listed and labeled
- Have a minimum 14" x 14" tempered triple-pane that is made of moisture proof, clear glass.
- Shall have heated frames around the glass viewing window in the doors to provide clear, moisture free viewing.
- On each door, the door handles and locks have the following features:
 - A combination door handle and locking device with no exterior hardware that can be removed from the outside of the door.
 - The lock is field selectable to allow for keyless entry or will automatically lock each time the door is closed
 - The locks are to be designed so that they may be re-keyed in the field using BEST-Stanley Lock keyway (to be supplied by CSC).
 - The lock shall have an interior assembly as to allow safe egress at any time

Refrigeration Systems, Minimum Requirements

Overall Design

- be designed in the year 2011 or later
- Refrigeration can be outdoor or indoor mounted depending on each site.

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- Be an air-cooled condensing unit, scroll type compressor.
- be designed for ease of service. All components shall be conveniently arranged on a heavy duty rack, accessible for adjustments and repairs. It shall also allow for an easy individual change-out without the loss of the entire refrigeration package.
- utilize environmentally friendly (CFC free) refrigerant for environmental protection and unregulated distribution.

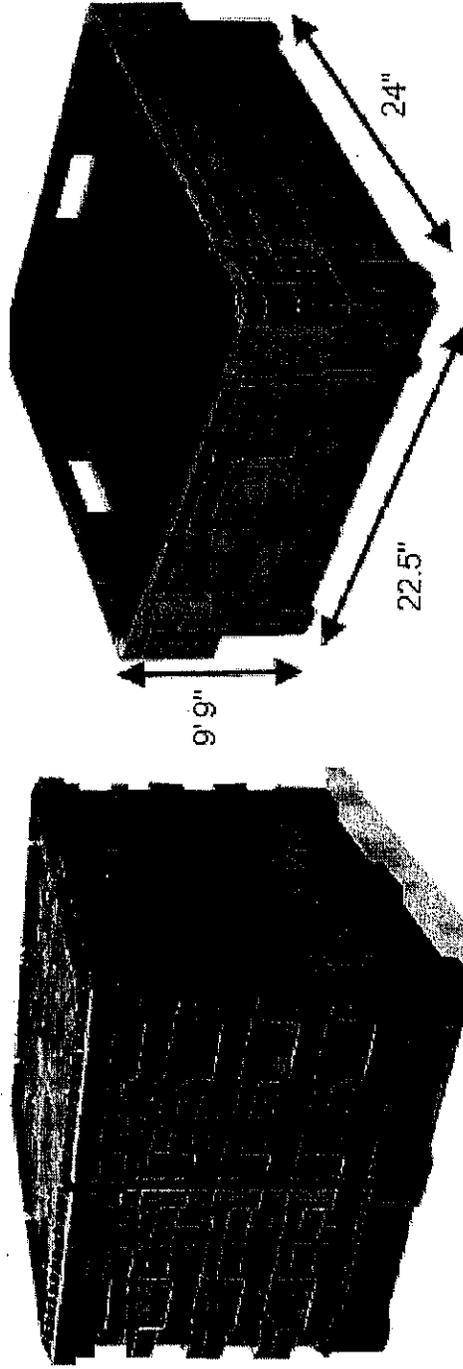
Evaporator Cooling Coils

- All walk-in -1 freezers must be supplied with evaporator/cooling coils that have an integrated defrost management system. The evaporator/cooling coils with the integrated defrost management system will eliminate the need of defrost timers and other components of a traditional defrost process and must be a minimum 115V and a maximum 208v 1ph.
- All evaporator coils must be of adequate quantity and size to meet the performance specification of each of the unit.
- All evaporator coils must be have optimal location, for performance achievement, and must be indicated on supplied drawings to give direction to the installers of the setup and configuration of the system.

Installation Consultation Services

- The units will be erected and installed by an Installation Consultation Services will be required for up to 6 hrs per site to answer any specialized technical questions or review submitted technical drawings for interpretation.

Logistics



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