

## **WALK-IN SPECIFICATIONS**

### **General**

Walk-in coolers and freezers shall be prefabricated of modular design and construction. They shall be designed and constructed to allow fast and easy field assembly, disassembly and enlargement by the addition of panels.

### **Panel Fabrication**

Standard wall, ceiling and floor panels shall be fabricated in 47" and 23" in width and shall be interchangeable with like panels. Partition and other panels placement shall be within 1/2" increments to meet job site conditions.

Available standard height with floor panels: 6'-6", 7'-7", 8'-7". Available standard height without floor panels with NSF vinyl screed: 6'-2", 7'-2", 8'-2". Panels shall consist of Extruded Polystyrene (XPS) rigid foam insulation, bonded permanently to interior and exterior metal "skin". Tongue and groove edges of panels shall be of the same panel core insulation with non-corrosive thermoplastic cam-action panel fastener. NSF approved compression gasket shall be applied to the tongue side of all panels on both interior and exterior.

### **Floor Construction**

Floor panels: Shall be fabricated similar to other panels and shall be designed to withstand uniformly distributed load of 700 lbs per square foot, suitable for foot traffic. 1,300 lbs per square foot suitable for light rolling cart traffic. The ULTIMATE with load bearing capacity of 2,750 lbs per square foot, suitable for hand pallet jack application.

Floorless: Provided with NSF vinyl screeds. Screed will be covered with 1/2" radius, designed to sit flat on a finished tile/concrete floor. Screed shall be lag fastener to floor.

### **Insulation**

Insulation shall be 4" thick, rigid Extruded Polystyrene (XPS) foam closed cell, void free, hydrophobic or high resistance to water absorption as tested in accordance to ASTM C272 classified to UL 723 (ASTM E84). Core material has a flame spread of 15 or less and a smoke developed of 165 or less. Self ignition temperature of 896 degree Fahrenheit and flash ignition temperature of 734 degree Fahrenheit as tested in accordance with ASTM D 1929. Standard with a 50 year R-value warranty.

Thermal resistance: For Coolers R-25 minimum (reported at 55 F mean temperature). For freezer R-32 minimum (reported at 20 F mean temperature). Floor R-30 minimum.



## Entrance Door

Each walk-in shall be fitted with one 36" x 76" swing-type entrance door. Door shall be flush type, bearing the UL seal of approved. Door shall be equipped with two adjustable spring-assisted hinges, deadbolt locking handle with safety inside release, magnetic gasket, door closer, and a double sweep wiper at the bottom edge of door. Door jamb shall be provided with a LED light fixture center mounted, digital thermometer with safety pilot light on-off switch and conduit between switch box and outlet junction box.

Freezer door include a heater cable with heat sensing regulating thermostat and a heated pressure relief vent.

## Metal Finish

Standard 26 gauge Acrylume ( acrylic coated galvalume) stucco embossed on the interior and exterior on wall, ceiling and exterior of floor panels. Interior of floor panels shall be smooth stainless steel and optimal texture stainless steel.

## Refrigeration

Heatcraft Worldwide BOHN refrigeration (preferred vendor). Condensing units and evaporators shall be factory pre-wired and pre-assembled. New 1/2HP to 6HP air cooled condensing unit with exclusive HYPERCORE microchannel coil technology that uses less refrigerant, saves energy, reduces operational cost, improves durability and system performance.

## Approvals

- National Sanitation Foundation (NSF), Standard No. 7
- Department of Energy (DOE) compliance and certified, 6/2017
- City of Houston Fabrication Certificate No. 694
- Oregon State Component Insignia Compliance No. M-PFC 688
- New York City approval MEA113-87-M
- Miami-Dade County, Outdoor Hurricane High Velocity Wind (170 mph) NOA #17-0802.12
- State of Florida, Outdoor Hurricane High Velocity Wind (170 mph) #FL 22413

