



STANDARD FEATURES

- No field installation needed – only provide electricity for single source hook-up (one per refrigeration system)
- Crane with spreader bars is required for unloading and setting in place at the job site
- Pre-installed refrigeration system(s)
- Single or double compartment models
- Widths: 6'-10' in 1' increments
- Lengths: 6'-36' in 1' increments
- Heights: 6'-7" , 7'-7" or 8'-7"
- Cam-locking four-inch thick foamed-in-place polyurethane panels
- 26 gauge acrylic-coated stucco galvanized steel interior and exterior
- Heavy-duty wide strap hinges and door closer
- Choice of 26", 30" or 36" door widths
- LED lighting
- Digital thermometer/light switch
- Door drip guard
- Bands of aluminum tread plate for finishing trim around top and bottom of walk-in
- Weather-proof membrane roof to keep rain from collecting against an adjacent building
- One year parts and labor warranty (optional extended four year compressor warranty available)
- 15 year panel warranty

APPROVALS

- NSF listed
- Walk-in UL-listed as an entire package, not just for individual components, facilitating electrical inspections
- City of Houston approved
- Oregon State approved
- State of Wisconsin Building Product approved
- USDA accepted
- Miami-Dade County, Florida Approval No. 19-0911.03, Exp. 05/10/2023 (Consult factory for requirements)
- State of Florida Product Approval File No. FL28473-R1 (Consult factory for requirements)

OPTIONS & ACCESSORIES*

- ☐ Selection of interior and exterior surfaces and finishes
- ☐ Various door styles and sizes
- ☐ Wide range of remote or self-contained refrigeration systems
- ☐ Interior and exterior door kickplates
- ☐ Door viewports
- ☐ Interior and exterior ramps
- ☐ Bumper rails and trim strips
- ☐ Various security alarm systems
- ☐ Special switches
- ☐ Additional LED lighting
- ☐ Shelving (free-standing)
- ☐ Special floor underlayments and topside plating

* Most options are available two weeks from receipt of order. Please contact us for specific questions.

SPECIFICATIONS

1.0 GENERAL

1.1 Ready-Bilt walk-in coolers and freezers will be factory pre-assembled using precision constructed 4" thick rigid polyurethane foamed-in-place panels.

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 six-inch increments, with a minimum width of 12 inches.

1.4 All panels are to bear the UL 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 four inches thick, UL Class 1 rigid foamed-in-place HFO polyurethane with a minimum 2.15 lbs/cubic foot density. Foam polyurethane shall be injected into the panels by means of a high output, high impingement mixer.

2.2 The R-values for 4" HFO panels are:

Cooler:	
Walls/Ceilings	R-value 25
Doors	R-value 25

Freezer:	
Walls/Ceilings	R-value 32
Doors	R-value 32
Floors	R-value 28

2.3 Insulation shall be 90% closed cell structure. Flame spread rating of the foam core according to ASTM E-84/UL 723 shall be 25 or less.

2.4 The use of an HFC blowing agent is specifically prohibited.

3.0 FLOOR STYLES

3.1 Floors will be a full four 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 four 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 ROOF

5.1 Walk-in will be furnished with a weather-proof membrane roof to prevent rain and other elements from collecting against an adjacent building.

6.0 FINISHES

6.1 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.

6.2 Walk-in will be supplied with bands of aluminum tread plate for finishing trim around top and bottom of walk-in.

7.0 DOOR CONSTRUCTION

7.1 Entrance door shall be in-fitting, flush design. The door section shall provide a full four inches of polyurethane HFO insulation, construction and finish shall be the same as the adjoining wall panels.

7.2 The door shall be four inches thick, constructed to incorporate heavy duty, molded ABS breaker strip, which is permanently foamed-in-place. Bottom of door shall seal

SPECIFICATIONS

with double sweep gaskets, uniquely designed to provide complete seal between door, threshold, and door jamb.

7.3 Doors will feature protective 36" high aluminum diamond tread kickplates.

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

7.5 Threshold plate provided shall be constructed of fiberglass reinforced plastic (FRP) or extruded aluminum for bearing strength. All doors shall have an anti-sweat heater wire around the entire perimeter of the door opening and under threshold.

7.6 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.

7.7 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.

7.8 Door hardware shall be highly polished chromium plated steel. Hardware shall include a spring actuated door closer, field adjustable cam lift hinges, one spring hinge and 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.

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

7.10 Door will be furnished with an exterior drip guard to prevent moisture from entering the walk-in.

7.11 High output low profile LED light with approximately twice the light output of a standard 60W incandescent or 13-15W CFL, guaranteed for 5 years or 35,000 hours. Light is positioned above the door to prevent interference with shelving or product. Locate light switch with pilot light adjacent to door, on exterior handle side of door section, with all inner wiring in conduit concealed inside the door section and terminated at a surface mounted junction box on the interior door frame. Fixture shall operate on 120 VAC.

8.0 INSTALLATION AND MAINTENANCE

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

9.0 APPROVALS

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

9.2 Walk-in will be UL-listed as an entire package, not just for individual components, to facilitate electrical inspections

9.3 City of Houston approved, Oregon State approved, State of Wisconsin Building Product approved, USDA accepted.

9.4 UL NCKL listed certifying compliant walk-ins are ignition protected.

10.0 WARRANTIES

10.1 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.

11.0 QUALITY ASSURANCE

11.1 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 Master-Bilt, Incorporated.

12.0 SITE CONDITIONS

12.1 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).

Dedicated medium temp condensing units meet the DOE requirement of a minimum AWEF rating of 5.61 (Btu/W-h) for indoor models and 7.6 for outdoor models.