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BASIC WALK IN COOLER AND FREEZER QUOTE FORM

SPECIFICATIONS

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TO USE THESE SPECS, SIMPLY CHECK OR WRITE IN THE APPLICABLE DETAILS IN EACH SECTION

1. Sectional walk-in refrigerators and/or freezers complete with doors. Overall size of walk-in shall be _____ long x _____ wide x _____high.
Fill in lengths and widths from this list: 5'10", 6'9-1/2", 7'9", 8'8-1/2", 9'8", 10'7-1/2", 11'7", 12'6-1/2", 13'6", 14'5-1/2", 15'5", 16'4-1/2", 17'4", 18'3-1/2", 19'3", 20'2-1/2", 21'2", 22'1-1/2", 21'2", 22'1-1/2", 23'1", 24'1/2", 25'0", 25' 11-1/2", 26'11", 27'10-1/2".
Longer or wider buildings are available in additional 11-1/2" increments.
Fill in heights from this list (heights shown are with floor; subtract 4" for less-floor units): 7'6", 8'6", 9'6", 10'6", 12', 13', 14', 15', 16', 17', 18', 19', 20'4", 21'4", 22'4", 23'4", 24'4", 25'4", 26'4", 27'4", 28'4". (Single length verticals)
Taller buildings are available in additional 12" increments, with stacked vertical panels.

Fill in a basic layout for the desired walk in

2. Foam core panels shall be Underwriters Laboratories-listed as having flame spread of 25 or lower and smoke generation of 450 or lower when tested in accordance with ASTME-84-76. Panels shall be approved by Factory Mutual as a Class I building type. They shall be foamed using HCFC expanding agents and shall meet all current international standards.

3. Panels shall consist of interior and exterior metals skins precisely foamed with steel and dies and roll-form equipment and thoroughly checked with gauges for accuracy. The metal skins shall be placed into heated molds and liquid urethane injected between them. For extra rigidity, the exteriors of all vertical panels except corners and door panels shall have vertical grooves spaced on 5-3/4" centers. Urethane shall be foamed-inplace (poured, not frothed) and, when completely heatcured, shall bind tenaciously to the metal skins to form an insulated panel. Panels shall contain 100 percent urethane insulation and have no internal wood or structural members between the skins. To insure tight joints, panel edges must have foamed-in-place tongues and grooves with a flexible vinyl gasket on the interior and exterior of all tongue edges. Gaskets shall be resistant to damage from oil,

fats, water and detergents and must be NSF-approved.
Panel thickness: 4” _____ 5” _____ 6” _____

4. Exterior Finish
A. _____ Stucco-embossed Galvalume steel
B. _____ Smooth galvanized steel with white polyester painted finish
C. _____ Stainless steel
D. _____ Stucco-embossed aluminum
E. _____ Stucco-embossed aluminum with white polyester painted finish
F. _____ Stucco-embossed galvanized steel with sand-tan polyester painted finish
G. _____ Stucco-embossed galvanized steel with white polyester painted finish
H. _____ Kynar over steel
I. _____ Sandex stone-textured finish over Steel

5. Interior Finish
A. _____ Stucco-embossed Galvalume steel
B. _____ Smooth galvanized steel with white polyester painted finish
C. _____ Stainless steel
D. _____ Stucco-embossed aluminum
E. _____ Stucco-embossed aluminum with white polyester painted finish
F. _____ Stucco-embossed galvanized steel with sand-tan polyester painted finish
G. _____ Stucco-embossed galvanized steel with white polyester painted finish

6. All panels except corner panels shall be made in 23” and 46” widths, fully interchangeable for fast, easy assembly. Panels 11-1/2”, 17-1/4” or 34-1/2” wide are to be furnished only if required to fit the allocated space. To assure perfect alignment and maximum strength, corner panels shall employ a right-angle configuration with exterior horizontal dimensions of 12” on each side. Vertical panels (except corner panels) shall be supplied in a single length up to 28’ high (16” high for installations with aluminum or stainless steel finish). For outdoor applications, single-height panels greater than 19” (16” for aluminum) or multi-tiered vertical panels must be secured to horizontal girts mounted between building columns.

7. Panels shall be equipped with Speed-lok diaphragmatic joining devices. The distance between locks shall not exceed 46”. Each device shall consist of a cam action, hooked locking arm placed in one panel, and a steel rod positioned in the adjoining panel, so that when the arm is rotated, the hook engages the rod and draws the panels tightly together with cam action. Arms and rods shall be housed in individual steel pockets. Pockets on one side of the panel shall be connected to pockets on the other side in width,

SPECIFICATIONS - CONTINUED

by the use of 2” -wide metal straps set into and completely surrounded by the insulation. When panels are joined together, these straps shall form lock-to-lock connections for extra strength.

8. Floor Construction –
All construction and preparation for floor panels must be provided by others. Floor panel construction shall be similar to that described in sections 7 and 8 above, but with a heavier-gauge interior skin; thickness of floor panels may be different than that of vertical panels. 4’-thick floor panels can be NSF or non-NSF. 5” – AND 6” – thick panels are non-NSF.
A. _____ Light-usage Floor – Floor panels shall be placed on a concrete pad and leveled. Where inside floor and outside platform must be level, the concrete pad shall be made with a depression deep enough to receive the floor panels.
B. _____ Heavy-usage Floor – Floor panels shall be placed on a depressed concrete pad and leveled. After supporting steel is assembled, a 4” reinforced concrete wearing floor shall be poured. The depression shall be deep enough to make interior and exterior finished floors the same height.
C. _____ Built-in, Insulated Floor - The floor shall be constructed on the job site. It shall consist of a depressed, reinforced concrete sub-slab. Slab urethane shall be built into this depressed slab and title floor or 4” reinforced concrete wearing floor installed on top. Wall panels shall be fastened to this floor. Adequate drainage and ventilation or other heat source must be provided beneath and around all construction.
Floor Panel Finishes
A. _____ 10 ga. smooth aluminum
B. _____ 16 ga. stainless steel
Special Construction Floor Panels
A. _____ Reinforced Floor Panels – 4”-thick insulated floor panels contain non-conductive structural imbeds for maximum strength without freezing. Standard steel plate overlay adds strength. Panels support up to 1200 pounds per square foot (evenly distributed) and support pallet jacks or light forklifts with total weight of up 2000 pounds per wheel (diamond plate overlay required).

9. Hinged Entrance Door Panels
Number of doors _____
Width and height of each door
_____
(select dimensions from this list:)
Widths: 30” 36” 42” 48” 60”
Heights: 78” 84”
Number of doors, location and direction of swing is specified on the plans. Doors are infitting and flushmounted. Construction shall be as specified in 7.
Magnetic core, thermoplastic gaskets installed on the top edge and both sides of the door shall keep the door in a closed position, forming a tight seal; a flexible, dualblade wiper gasket shall be installed at the bottom of the door. NSF-approved gaskets shall be replaceable and resistant to damage from oil, fats, water and detergent.
A heavy U-channel structural steel frame around the perimeter of the door opening shall prevent racking or twisting; steel frame is to be reinforced for hardware attachment.
Anti-condensate heater wire shall be concealed behind the metal edge of the doorjambs. The door panel shall

also include a vapor-proof interior lamp; junction box for 120v., 60 cycle, 1 phase, a.c. service (15 amp maximum); 2”-dia. flush-face dial thermometer (field mounted on 60” wide doors); and weather hoods for outdoor installations.
Hardware
A._____ For doors with 30” or 36” -wide openings: two spring-loaded, self-closing hinges; cylinder latch with provision for padlocking and safety release mechanism; door closer.

B._____ For doors with 42”, 48” or 60”-wide openings: hinges are uplift type with blades not less than 9” long; latch shall include provision for padlocking and safety release mechanism.

C. _____ Observation Window in Entrance Door - (a 14-1/2” x 24” heated observation window)

SPECIFICATIONS - CONTINUED

provided in the entrance door. It consists of three panes of glass with sealed air spaces between them. The window shall be supplied with heated glass and frame and units shall be removable for replacement.)
C. _____ Mortise Lock – Heavy-duty, dead bolt lock with full safety release capabilities. Mortise lock installations shall also be provided with stainless steel pins engaging the doorframe on the hinged side.
D. _____ Strip Curtain – Sturdy, NSF-approved, clear-vinyl strip curtains shall permit easy passage while minimizing air infiltration.

10. Options – Check as desired

A. _____ Pressure Relief Port (required for all freezers)

B. _____ Partition Walls - Insulated, 4”-thick metalclad panels shall be provided to form separate compartments within the walk-in. A non-conductor strip must be built into all exterior panels at the joints where partitions butt to prevent transfer of heat from one compartment to another. Partition panels shall be Speed-Lock’ed to these panels. Construction shall be as specified in 7 above.

C. Roof Options - One of the following types must be used for any outdoor installation:
_____ Sectional prefab metal roof shall be used with structures installed outdoors on buildings of any length but not exceeding 34’7” in width. Roofs shall be made of stucco-embossed aluminum.
_____Single-piece, presized membrane roof system; maximum dimensions: 34’7” x 34’7”
_____Built-up type by others.

D. Alarm Systems
_____Audio-Visual Alarm System
_____Audio-Visual Alarm with digital temperature readout Hi set point only
_____Audio-Visual Alarm with digital Temperature readout Hi Low set point with dry contact

E. Control panel for redundant refrigeration systems with dry contacts_____

F. Data logger? _____

G. Humidity controls needed? _____

H. Automatic doors for the walk in? _____

I. Wire Shelving
Cantilevered _____ Freestanding _____
No. of tiers _____ Finish _____
Width _____

J. Other Options or Considerations
_____
_____
_____
_____
_____

11. Mechanical Refrigeration Air or Water Cooled ? _____
_____ Hermetic
_____ Semi-hermetic
_____ Self-contained
_____ Presassembled remote
_____ Condensing unit: Indoors
_____(or)
Redundant refrigeration needed? _____
Outdoors _____
Horsepower _____
Voltage _____
Phase _____
Cycles _____
Low-ambient kit
(winter controls) _____
(For multi-compartment units, provide plan view with
compartment temperatures.)

JOB SITE LOCATION:

Name _____

Address _____

City, State, Zip Code _____

RESPONSIBLE CONTACT PERSON: _____

Phone _____ E:Mail _____