

SPECIFICATIONS



SPECIFICATIONS

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 shall be manufactured by Bally Refrigerated Boxes, Inc. 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.

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 ASTM E-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. All work and materials shall be in full accordance with local and/or state ordinances, and with any other prevailing rules and regulations.
- Bally Refrigerated Boxes, Inc., is not responsible for furnishing items required by the regulations, unless specified or shown on the drawings or contained in the specifications.
4. 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-in-place (poured, not frothed) and, when completely heat-cured, 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" _____

5. 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

6. 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

7. 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.
8. Panels shall be equipped with Bally 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.

9. Floor Construction – Bally furnishes floor panels only. All construction and preparation for Bally 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 Bally 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 tittle 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. _____ 14 ga. galvanized steel
- 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).

10. 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 flush-mounted.

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, dual-blade 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 doorjamb. 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.

Hardware Finishes

- A. _____ For walk-ins finished with stainless steel – polished aluminum
- B. _____ For walk-ins with finishes other than stainless steel – satin aluminum
- C. _____ For walk-ins with any finish (if desired) – chrome-plated

Door Options

A. _____ Hinged Super Entrance Door – Construction is identical to that of a standard door except that a third hinge is added and the door and portion of door panel are protected by diamond-plate kick panels covering the bottom 32" on interior and exterior. Show number and size of super doors.

(Check following options as desired.)

B. _____ Observation Window in Entrance Door - (a 14-1/2" x 24" heated observation window shall be



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.

11. Options – Check as desired

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

B. _____ Partition Walls - Insulated, 4”-thick metal-clad 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. _____ Double-swing Cart Door

F. Reach-in Doors for Product Loading (insulated solid type)

Insert correct sizes: 18-1/2” x 30” or 30” x 30”

Single _____ Size _____

Double _____ Size _____

G. Glass Display Doors

Number _____ Size _____

H. Wire Shelving

Cantilevered _____ Freestanding _____

No. of tiers _____ Finish _____

Width _____

I. Other Options

12. Mechanical Refrigeration

_____ Hermetic
_____ Semi-hermetic
_____ Self-contained
_____ Presassembled remote
_____ Condensing unit: Indoors

_____ (or)

_____ Outdoors _____

_____ Horsepower _____

_____ Voltage _____

_____ Phase _____

_____ Cycles _____

_____ Low-ambient kit
(winter controls) _____

(For multi-compartment units, provide plan view with compartment temperatures.)

13. Warranties

Bally shall warrant that any part of the structure it supplies (except the refrigeration system and its related accessories) is free from defects in materials or workmanship under normal use and service. The insulated panel portion of the structure is warranted free from defects under normal use and service for a period of 10 years from date of installation (but in no event shall the warranty be in force for more than 10 years and 6 months from the date the product was first shipped by Bally). Panel surface condition is warranted free from defects under normal use and service for one year from installation, provided the panel is stored and installed according to Bally’s instructions. Mechanical (including hardware, gasketing, Speed-lok assemblies, aluminum weather roofs) and electrical components, except refrigeration systems (which are covered by a separate warranty) are warranted to be free from defects under normal use and service for one year from date of installation. (In no case shall this portion of the warranty be in force for more than one year and six months from the date the product was first shipped by Bally.) The warranty shall not include any labor charges for replacement or repair of defective parts or refrigeration. Full warranty information is to be provided with the walk-in.