



SPECIFICATIONS FOR WALK IN COOLERS/FREEZERS

CONSTRUCTION REQUIREMENTS
Walk-in coolers and freezers shall be constructed of prefabricated sections joined together to form rooms of exact dimensions as specified. Entire box shall be fabricated to meet all requirements of the National Sanitation Foundation and shall bear the NSF seal on the exterior door panel. Also all walk-in coolers and freezers shall meet all local and national building codes.

FINISHES
Interior 26 Ga. white embossed galvanized steel. Exterior 26 Ga. natural embossed galvanized steel except prep areas and areas visible to customer which will be white.

INSULATION
Insulation shall be rigid urethane with a conductivity factor (K factor) not to exceed 0.12 Btu-in. Urethane is to have a minimum density of 2.2 pounds per cubic foot.

THICKNESS
3" (COOLER WALLS) "U" FACTOR 036 "R" VALUE 30
2" (FREEZER WALLS) "U" FACTOR 032 "R" VALUE 32
5" (COOLER/FREEZER CEILING) "U" FACTOR 025 "R" VALUE 40 (UNDER SLAB)

This insulation shall be a listed urethane with a rating of no more than 25 ft flame spread and 450 ft above ceiling developed per ASTM E84. This urethane will also meet the requirements of ASTM D-1929. Completed units to bear the label of a recognized listing company for third party verification of fire properties. Insulation shall not contain nor emit during injection any chlorofluorocarbons (CFC's).

PANEL FASTENERS
Cam-action panel fasteners employing an eccentric mechanism and clutch principal to align panels perfectly and compress gaskets fully. Fasteners shall be able to be operated from interior side (using an Allen wrench) and all holes sealed with a vinyl plug. A minimum of three camlock fasteners per panel area to be provided.

PANEL GASKETS
All sections shall have double-lined gaskets, which will not deteriorate. Gaskets to be secured in a clean, neat orderly fashion between panels. DIAL THERMOMETER shall be flush mounted in door section. Dial thermometer to have diameter face and a temperature range of +40° to +60° F. Finish to be polished chrome.

LIGHTING AND ELECTRICAL
Door section to be provided with factory-installed switch outlet box flush-mounted conduct order 2" above cooler ceiling panel. Meatcooler and meat prep. cooler shall have 2 gang outlet boxes @ each door, with 1 gang outlet box 1-waywire else. Service requires a 120 volt, 60 cycle, 1-phase.

SCREENS
Factory provided screen shall be strip screened with NSF cover base interior and aluminum angle on exterior. Gully sealed to be used under the walls and aluminum angle silicone sealant to be used on the top and bottom of cover base and aluminum angle. See detail B6A103

COOLER/FREEZER DOORS AND HARDWARE
Cooler and freezer doors shall be of the in-fitting type, clad and finished to match unit finish. Location and swing of doors shall be as specified. Door hinges shall be chrome or electro zinc plated heavy-duty side strap with spring hinge. Latch shall be heavy-duty commercial type, with adjustable strike, recessed inside safety release and padlock opening. All freezer doors furnished with UL approved frame perimeter heater to prevent condensation and freeze up. A heater strip shall be provided on door wiper gasket. All doors to feature a magnetic gasket on three sides for a positive seal. Doors to have adjustable double vinyl-grip gasket for seal at threshold. All gaskets to be easily replaceable and resistant to damage from oils, fats, water, and detergents. All in-fitting doors to include one Glynn-Johnson 79 Series extra heavy-duty door stop and stainless steel jumbo guards. Doors shall have 3" high diamond plate on sales side. Steel thresholds at doors to have stainless.

HEATED VENTS
A heated vent shall be provided for all walk-in freezers operating at a temperature of 20 degrees F. or lower to equalize the difference in exterior & interior pressure caused by sudden temperature changes due to opening doors, loading products, & the defrosting of coils. The heated vent shall be located above the freezer door (or located in a side panel, away from the direct air stream blowing from the evaporator). Electric service required is 120 volt, 60 cycle, 1-phase.

FRAMING
All freezer/cooler panels shall have a wood perimeter. Framing shall be tongue and groove at section joints. Panel shall be fitted with foamed-in place urethane, which securely bonds to metal pans and perimeter wood frame creating a rigid structural panel.

REGULATIONS AND CODES
All work and materials shall be in full accordance with local and/or state ordinances.

WARRANTY
A.I.P. guarantees the structural panels to be free of defects in material and workmanship for a period of ten (10) years.

NOTE
For panel systems contact:
American Insulated Panel
75 John Hancock Road
Taunton MA, 02780
www.americaninsulatedpanel.com

LEGEND

- NEW PARTITION
- COOLER OR FREEZER WALLS
- EXISTING FLOOR FINISH LINE
- FIRE EXTINGUISHER - BY OWNER
- KEY NOTES
- WALL TYPE/HEIGHT
- DOOR TYPE
- VINYL COMPOSITION TILE (VCT)
- QUARRY TILE
- TRENCH AREAS
- VINYL FLOOR
- CONCRETE

FLOOR FINISH SCHEDULE

#	TAG	COLOR	REMARKS
1	FF36	CAFE LATTE VCT #87502	GENERAL SALES - ACCENT
2	FF38	CHOCOLATE VCT #7034	GENERAL SALES - FIELD
3	FF2	DESERT QUARRY TILE	HMS / BAKERY
4	T04	SAND BEIGE	HMS / BAKERY
5	FF3	CONCRETE	SHOT BLASTED & SEALED
6	FF38	CONCRETE	SEALED
7	FF3	CONCRETE	THOROUGHLY CLEAN INCLUDING GROUT IF APPLICABLE
8	FF44	WASH GOLD TP507	ARMSTRONG - HMS PREP FRONT OF CASES & SEATING
9	FF45	BARNSIDE ASHEN TP054	ARMSTRONG - PRODUCE

NOTE: SEE SPECIFICATION FOR ADDITIONAL INFORMATION

GENERAL NOTES:

- A. DESIGN DRAWING ELEVATION 100'-0" EQUAL ACTUAL GRADE ELEVATION
- B. DIMENSIONS ARE TO FACE OF FINISHED WALL OR COLUMN CENTER LINE. DIMENSIONS AT COOLER/FREEZER ARE TO FACE OF COOLER/FREEZER WALL UNLESS OTHERWISE NOTED
- C. PROVIDE CLEAR CORNER GUARDS AT ALL OUTSIDE CORNERS 3'x3'x4'H
- D. GENERAL CONTRACTOR TO PROVIDE WOOD BLOCKING IN ALL PARTITIONS FOR SURFACE MOUNTED EQUIPMENT INCLUDING, BUT NOT LIMITED TO, FIRE EXTINGUISHERS, SHELVING, COUNTERS & CABINETS
- E. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH STRUCTURAL MECHANICAL, PLUMBING, & ELECTRICAL
- F. REFER TO DRAWINGS A202 & A203, FOR INTERIOR ELEVATIONS
- G. ALL PARTITIONS TO EXTEND 6" ABOVE HIGHEST ADJACENT CEILING UNLESS OTHERWISE NOTED
- H. PROVIDE SOUND ATTENUATION INSULATION IN PARTITIONS AND CEILING'S AROUND MANAGERS OFFICE, CASH OFFICE & CSM OFFICE
- I. PROVIDE AND INSTALL 50'-0" OF WALL GUARD WITH 30 END CAPS IN ADDITION TO WHAT IS DETAILED ON THE DRAWINGS. COORDINATE PLACEMENT WITH HBC PROJECT MANAGER
- J. FOR VALANCE LOCATIONS & LEGENDS COORDINATE W/ HBC OWNER REP
- K. FOR WALL TYPES SEE DETAIL B2A101 FOR PARTITION TO DECK DETAIL
- L. FOR DOOR TYPES SEE SCHEDULE ON DRAWING A103
- M. REMOVE ALL ABANDONED ROOF TOP EQUIPMENT. PATCH AS REQUIRED TO MATCH ADJACENT AREAS

KEY NOTES: REPRESENTED BY THIS SYMBOL (K)

1. FALSE COLUMN WRAP - SEE DETAIL B6A101. COORDINATE LOCATIONS W/ PLUMBING DRAWINGS AND ACTUAL EQUIPMENT LOCATIONS
2. STAINLESS STEEL STORAGE SHELF - BY OWNER. INSTALLED BY G.C. IN DELI 10' D @ 2' ABOVE TABLES. G.C. TO PROVIDE BLOCKING
3. VCT TO QUARRY TILE TRANSITION - SEE DETAIL C1A103
4. STAINLESS STEEL STORAGE SHELF 2' X 8' X OPENING FLUSH TO SLAB SEE DETAIL D1A103
5. EXISTING FLOOR LIMIT LINE
6. LIMITS OF EXISTING QUARRY TILE TO BE REMOVED. PREPARE AND LEVEL AREA PRIOR TO INSTALLATION OF NEW VCT
7. STAINLESS STEEL STORAGE SHELF 24" D @ 78" SEE DETAIL B7A101
8. NEW FLOORING LIMIT LINE
9. REMOVE TREES & GRATES. INFILL W/ CONCRETE & LEVEL. TO RECOVER LVT
10. EXTEND LIMITS OF NEW QUARRY TILE TO UNDERNEATH DISPLAY CASES. REMOVE VCT AND PREP SLAB AS REQUIRED TO ACHIEVE FLUSH FINISH BETWEEN AND VCT'S.
11. INFILL DEPRESSION W/ CONCRETE (AFTER OT REMOVAL) TO BE FLUSH WITH ADJACENT SLAB