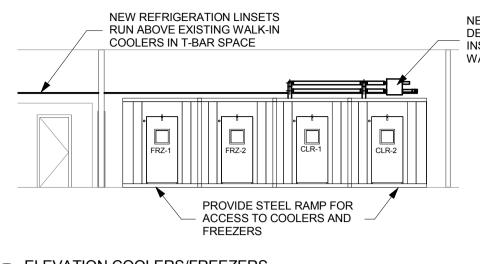


MEDIUM TEMPERATURE APPLICATIONS EMPLOY "OFF-CYCLE" DEFROST USING 115 VOLT FAN MOTORS TIED TO A FACTORY MOUNTED ELECTRONIC TEMPERATURE AND DEFROST CONTROLLER. EVAPORATORS SHALL BE SUPPLIED WITH FACTORY INSTALLED TX VALVE AND SOLENOID VALVE.



2 ELEVATION COOLERS/FREEZERS 1:100

SOR MOTOR		
PHASE	VOLT	REMARKS
3	208	R-404A
3	208	R-404A
3	208	R-404A
	PHASE 3 3 3	PHASE VOLT 3 208 3 208 3 208 3 208

SUMMARY: COOLER/FREEZER SHALL BE CONSTRUCTED OF 3" (75 MM) TO 5" (125 MM) THICK CELLULAR FOAM ENCASED PREFABRICATED MODULAR PANELS. DOOR TO BE 34" (864 MM) X 78" (1981 MM) FLUSH DOOR JAMB AND DOOR PERIMETER, MAGNETIC DOOR GASKETS, KASON #1245 CAM LIFT HINGES AND KASON #1229C KEYED DOOR LATCH. PRE WIRED SWITCH PILOT LIGHT AND 3 MOUNTED VAPOR PROOF LIGHT FIXTURE TO BE FACTORY INSTALLED IN COOLER/FREEZER. A SOLAR DIGITAL THERMOMETER SHALL BE PROVIDED ON THE EXTERIOR OF THE COOLER/FREEZER. WALL CLOSURES AND COVE BASE SHALL BE INCLUDED. A HEATED AIR VENT AND 4 SIDED DOOR HEATER CABLE FOR FREEZER ONLY SHALL BE INSTALLED.

GENERAL: WALK-IN COOLERS AND FREEZERS PROVIDED UNDER THIS SPECIFICATION, RELATED PROVISIONS AND DRAWINGS SHALL BE OF PREFABRICATED, MODULAR DESIGN AND CONSTRUCTION. THIS DESIGN SHALL ALLOW FOR ACCURATE AND CONVENIENT FIELD ASSEMBLY WHICH WILL FACILITATE FUTURE ENLARGEMENT OR RELOCATION PROVISIONS. THE WALK-IN COOLERS AND FREEZERS SHALL BE PROVIDED COMPLETE BY ONE MANUFACTURER AND CLEARLY LABELED WITH CODE APPROVALS AND INDUSTRY STANDARD MARKINGS THE WALK-IN COOLER AND FREEZER MANUFACTURER SHALL PROVIDE AND SUBMIT: PRODUCT DATA: SCALEI SHOP DRAWING PLANS, ELEVATIONS AND DETAILS; ROUGH-IN DRAWINGS; CUT SHEETS OF BUYOUT ACCESSORIES; INSTALLATION AND MAINTENANCE MANUALS WITH COPIES OF ALL WARRANTIES. THE PREFABRICATED, INSULATED PANELS SHALL BE OF MODULAR DESIGN WITH STANDARD SIZING TO BE COMPLETELY INTERCHANGEABLE IN THE FIELD. EACH PANEL SHALL CONSIST OF UNIFORM AND PRECISE EXTERIOR AND INTERIOR METAL PANS. ALL PANEL CORNERS SHALL BE A TRUE NINETY DEGREE ANGLE. VERTICAL CORNER INTERIOR OF CORNER PANELS AND TEE PANELS TO BE FABRICATED WITH A NSF RADIUS. PANELS ARE TO BE INJECTED WITH "FOAMED-IN-PLACE" URETHANE INSULATION AND HAVE TONGUE AND GROOVE MATING EDGES. THE TONGUE EDGE OF EACH PANEL SHALL BE PROVIDED WITH A NSF LISTED GASKET TO PROVIDE AN AIR TIGHT JOINT. PANELS SHALL BE RIGIDLY COUPLED BY CAM ACTION LOCKING DEVICE LOCATED A MAXIMUM OF FOUR FEET ON CENTER APART FROM EACH OTHER. THE CAM LOCKS SHALL BE OPERATED FROM THE INTERIOR OF THE WALK-IN COOLER OR FREEZER BY USE OF A HEX WRENCH, EACH HEX WRENCH ACCESS PORT SHALL BE COVERED WITH A SNAP-IN BUTTON PLUG. MAXIMUM DEFLECTION OF

FOAM PANELS: EACH PREFABRICATED PANEL SHALL BE "FOAMED-IN-PLACE" (INJECTED) WITH U.L. LISTED, CLASS 1 URETHANE FOAM INSULATION WHICH HAS A FLAME SPREAD RATING LESS THAN 25 AND SMOKE DENSITY LESS THAN 450 WHEN TESTED IN ACCORDANCE TO ASTM E84 (UL 723). THE THERMAL CONDUCTIVITY OR "K" FACTOR OF THE INSULATION SHALL BE 0.12 BTU/HR /FT SQUARED PER DEGREE FAHRENHEIT / INCH OL THICKNESS. OVERALL PANEL THICKNESS SHALL BE MINIMUM 3" (75 MM). FOAM INSULATION SHALL BE DIMENSIONALLY STABLE FROM -100 DEG F (-73 DEG C) TO +200 DEG F (+93 DEG C).

METAL FINISHES: PREFABRICATED PANEL EXTERIOR AND INTERIOR METAL FINISHES SHALL BE MINIMUM 26 GA. STUCCO EMBOSSED BAKED WHITE ENAMEL ON GALVANIZED STEEL TO ASTM A525 OR 24 GA. SMOOTH

FLOOR CONSTRUCTION: PREFABRICATED FLOOR PANELS SHALL BE OF SIMILAR CONSTRUCTION TO THE OTHER PANELS WITH A FULLY FORMED NSF INTERIOR RADIUS AND STAMPED CORNERS, FLOOR PANELS SHALL BE DESIGNED TO WITHSTAND A UNIFORMLY DISTRIBUTED WEIGHT LOAD OF 300 PSF (73 KG/M2). WALL PANELS SHALL BE SET IN A CONTINUOUS GROOVE OF FLOOR PANELS AND ATTACHED TO THE FLOOR PANELS WITH CAM LOCKS. AN EXTERIOR MOUNTED RAMP CONSTRUCTED OF DIAMOND PLATE SHALL BE PROVIDED

DOORS AND HARDWARE: THE STANDARD SWING DOOR CLEAR OPENING SIZE SHALL BE 34" (864 MM) WIDE BY 78" (1981 MM) HIGH AND HINGED PER THE FSEC SUPPLIED DRAWINGS. SWING DOORS SHALL BE FLÚSH. DOORS SHALL BE FINISHED TO MATCH THE METAL FINISH OF WALL PANELS UNLESS OTHERWISE SPECIFIED. EACH DOOR SHALL BE PROVIDED WITH A THREE SIDED SNAP-IN MAGNETIC GASKET WITH AN ADJUSTABLE SWEEP GASKET TO SEAL THE BOTTOM OF THE DOOR. THE DOOR AND DOOR FRAME SECTION SHALL BE OF THE SAME CORE THICKNESS AND CONSTRUCTION AS SPECIFIED FOR THE OTHER PANELS. DOORS SHALL BE MOUNTED WITH A MINIMUM OF TWO KASON #1245 OR EQUAL CAM LIFT HINGES, ONE KASON # 1229C OR EQU/ KEYED DOOR LATCH WITH INTERIOR SAFETY RELEASE. ONE KASON MODEL. #1094 OR EQUAL DOOR CLOSER ONE 2" (50 MM) SOLAR POWER DIGITAL THERMOMETER AND THREE PRE WIRED PILOT LIGHT AND SWITCH TO INTERIOR MOUNTED 100 WATT VAPOR PROOF LIGHT FIXTURE WITH PROTECTIVE GLOBE. FREEZER DOOR JAMB SHALL BE PROVIDED WITH HEATER CABLE WITH A STAINLESS STEEL THRESHOLD AND ONE HEATED AIF VENT TO EQUALIZE PRESSURE BETWEEN THE INTERIOR COMPARTMENT AND EXTERIOR SPACES.

