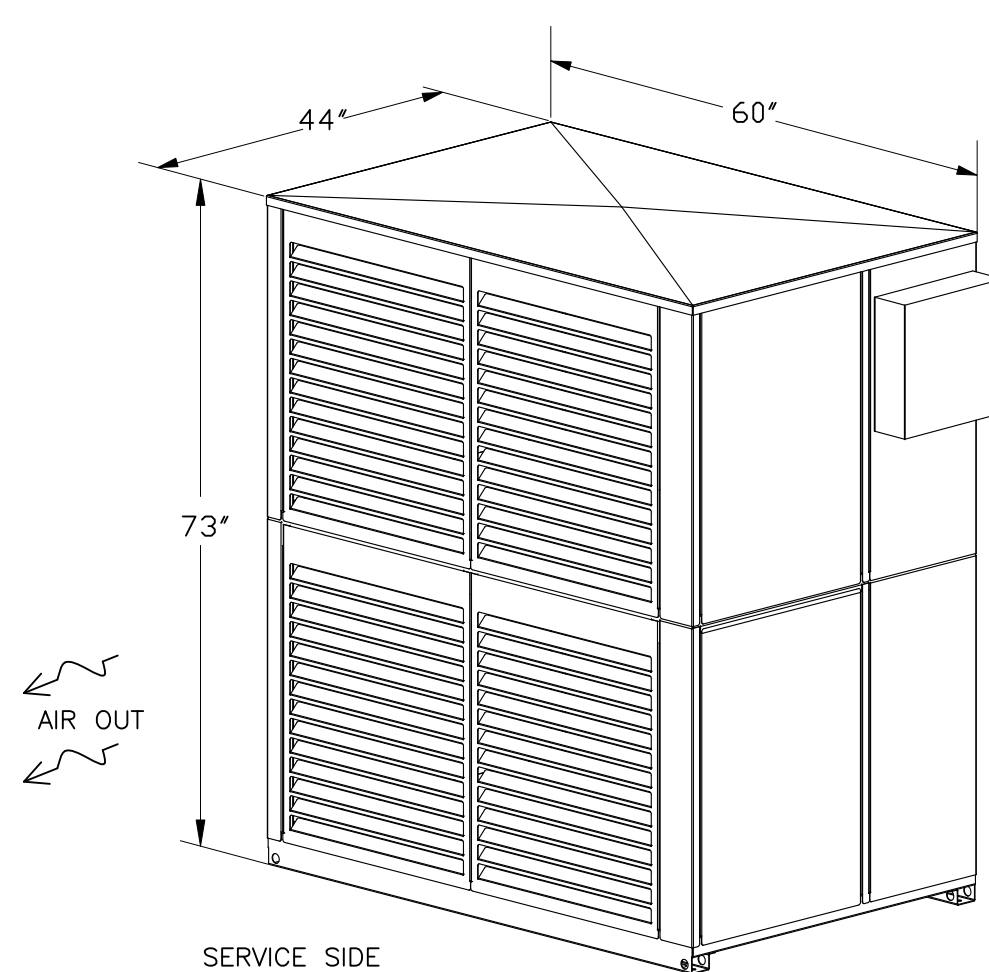


- REFRIGERATION
LINES

ITEM # K84



SERVICE SIDE

- GENERAL NOTES:
1. UNIT WEIGHT IS 1,800 LBS
 2. INSTALLATION CLEARANCE REQUIRES 3 FT ON ALL SIDES

Diagram of the interior of the cabinet. It shows two drawers with horizontal handles. On the right side, there is a lock mechanism with a keyhole and a handle. The width of the interior is labeled as 44".

SIDE VIEW

[illegible]

SYSTEM SHALL BE ETL LISTED
CONFORMS TO UL STD 1995

NOTE:

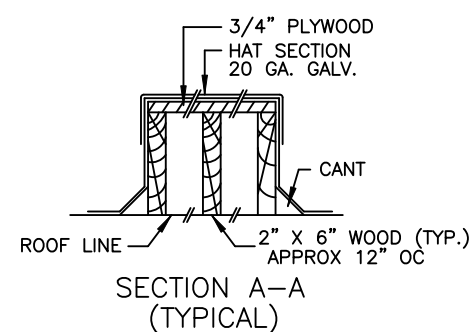
- ALL COMPRESSORS AND CONDENSER CIRCUITS ARE SIZED TO OPERATE AT 105°F AMBIENT AIR TEMPERATURE.
- EACH COMPRESSOR SYSTEM IS SUPPLIED WITH A CRANKCASE HEATER AND HEAD PRESSURE CONTROL FACTORY INSTALLED
- ALL WALK-IN EVAPORATOR COILS SUPPLIED WITH KE2 ELECTRONIC CONTROL, SOLENOID VALVES AND EXPANSION VALVES FACTORY MOUNTED.
- ALL EVAPORATOR COILS "BY OTHERS" MUST BE SUPPLIED WITH THERMOSTATS, SOLENOID VALVES AND EXPANSION VALVES FACTORY INSTALLED
- REFRIGERATION DESIGN AND LINE SET SHOWN IS BASED ON A MAXIMUM LINE RUN OF 100 FEET. THIS INCLUDES A VERTICAL ALLOWANCE OF 40 FEET MAX
- IT IS THE INSTALLING CONTRACTORS RESPONSIBILITY TO FOLLOW ALL APPLICABLE CODES AND INDUSTRY PIPING PRACTICES WHEN DETERMINING THE LINES SIZES
- THE SYSTEM INCLUDES A COATED CONDENSER FOR SALT AIR PROTECTION



Diagram illustrating the layout and dimensions of a refrigeration unit installation. The unit is shown with a platform (by G.C.) and a refrigeration rack on the platform. The unit is labeled "SERVICE SIDE". Dimensions include a total width of 52" and a total height of 14" (6" + 8"). Clearances are specified: 3" TYP. on the left, 6" on the right, and 2" on the bottom. A note indicates a 36" clearance is recommended on all sides of the unit. Labels include "REFRIGERATION PITCH POCKET BY G.C.", "REFRIGERATION RACK ON PLATFORM", "ELECTRICAL PITCH POCKET BY G.C.", and "SERVICE SIDE".

G.C. NOTES:

1. PLATFORM TO BE 6" HIGH LEVEL
IN BOTH DIRECTIONS
2. GC TO PROVIDE SHEETMETAL CAP
FOR PLATFORM WITH WATER
TIGHT SOLDERED JOINTS
3. GC TO BACK FILL OPENING WITH
HOT PITCH AFTER INSTALLATION



The diagram illustrates the electrical connections for a typical evaporator housing. At the top, 'HOUSE POWER' is shown with lines for 'L1' and 'L2'. 'FIELD WIRING BY ELECTRICIAN' is indicated by dashed lines entering the housing. A 'TEMPERATURE AND DEMAND DEFROST CONTROLLER' is shown with terminals 4, F, X, N, 3, H1, and H2. A 'DRAIN LINE HEATER' is connected to the L1 line through a fuse. 'FAN MOTOR PLUGS' (M1, M2) are connected to the F and X terminals. 'FAN MOTORS -(AS REQ.)' are connected to the M1 and M2 plugs. 'DEFROST HEATERS' are connected to the H1 and H2 terminals. A 'GROUND' connection is shown at the bottom right. An 'OPTIONAL MONITORING INDUCTIVITY CAT5/6e CABLE' is shown connected to the housing and building network. The diagram is labeled 'TYPICAL EVAPORATOR HOUSING'.

MODEL RL6	NO. OF FANS	A		B		SUCTION CONNECTION (ID) SWEAT	EVAP WEIGHT
		IN		IN			
RL6A094	2	43	5/8	33	1/4	5/8	55
RL6A117	2	43	5/8	33	1/4	5/8	58
RL6E090	2	43	5/8	33	1/4	5/8	58
RL6E066	2	43	5/8	33	1/4	5/8	52

Diagram illustrating the connection of a refrigerator drain pan to the refrigeration system. The diagram shows the refrigeration lines, air flow, and the drain pan assembly. Key components and specifications include:

- REFRIGERATION LINES
- AIR FLOW
- COIL
- UNION
- (LOW TEMPERATURE ONLY)
- ELECTRIC HEATER SPIRALED AND TAPED ON FREEZER DRAIN LINE BEFORE APPLYING INSULATION BY REFRIGERATION CONTRACTOR
- 1/2" FALL/FT. MINIMUM
- 7/8" NOM. COPPER
- TRAP
- 1" AIR GAP

120V/1PH/60HZ

NEUTRAL

HOT

EVAPORATOR COIL

FAN MOTOR
AS REQ'D.

GROUND

FOR OPTIONAL MONITORING
CONNECTIVITY CAT5/6e CABLE,
PROVIDED BY GC FOR INTER-
CONNECTION TO BUILDING NETWORK

FACTORY WIRING _____

FIELD WIRING -----

MULTIPLE EVAP COILS IN THE SAME ROOM
MUST BE BONDED TO EACH AND CONNECTED
TO DATA SWITCH

1. GENERAL CONTRACTOR
 - A. CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND COORDINATE WITH OTHER TRADES.
 - B. GENERAL CONTRACTOR SHALL PREPARE AND WEATHER PROOF THE PLATFORM AND CURBED OPENINGS.
2. REFRIGERATION CONTRACTOR
 - A. THE COMPLETE SYSTEM SHALL BE EVACUATED WITH VACUUM PUMP.
 - B. ALL COPPER TUBING TO BE REFRIGERANT GRADE A.C.R. OR TYPE "L".
 - C. CHARGE, TEST AND ADJUST EACH UNIT TO BE IN AN OPERATIONAL SYSTEM.
 - D. SILVER SOLDER AND/OR SIL-FOS SHALL BE USED FOR ALL REFRIGERANT PIPING. SOFT SOLDER IS NOT ACCEPTABLE.
 - E. ALL PIPING TO BE PRESSURE TESTED WITH NITROGEN AT 300 PSI. AFTER THE CONDENSING UNIT AND COIL HAVE BEEN CONNECTED, THE BALANCE OF THE SYSTEM SHALL BE LEAK TESTED WITH ALL VALVES OPEN.
 - F. REFRIGERATION CONTRACTOR TO PROVIDE AND INSTALL DRAIN LINE HEATER IN FREEZER TO BE CONNECTED BY ELECTRICAL CONTRACTOR.
3. ELECTRICAL CONTRACTOR
 - A. ELECTRICAL CONTRACTOR TO CONNECT DRAIN—LINE HEATER IN FREEZER.
 - B. ELECTRICAL CONTRACTOR TO PROVIDE POWER FOR REFRIGERATION PACKAGE AND CONNECT CONTROL AND DEFROST SYSTEM AS CALLED FOR IN THE WIRING DIAGRAM.
 - C. ELECTRICAL CONTRACTOR TO PROVIDE COLOR CODED SERVICE FROM THE TIME CLOCK AT THE REFRIGERATION PACKAGE TO THE EVAPORATOR IN THE FIXTURE FOR DEFROST.
 - D. ALL ELECTRICAL WIRING AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE WIRING DIAGRAM AND LOCAL CODES.
4. PLUMBING CONTRACTOR
 - A. PLUMBING CONTRACTOR TO PROVIDE HARD A.C.R. OR TYPE "L" COPPER DRAIN LINES FOR WALK-IN REFRIGERATION. REFRIGERATION, PITCHED 1/2" PER FOOT OF RUN, IN FREEZER. UNHEATED DRAIN LINE MUST BE OUTSIDE OF INSULATION TO PREVENT FREEZING. TRAP DRAIN LINE OUTSIDE OF REFRIGERATED SPACE TO A VOID ENTRANCE OF WARM AND MOIST AIR.
 - B. PLUMBING CONTRACTOR TO PROVIDE INDIVIDUAL DRAIN LINE FOR EACH EVAPORATOR UNLESS OTHERWISE CALLED FOR.
 - C. ALL PLUMBING INSTALLATION SHALL BE IN ACCORDANCE WITH LOCAL CODES.

1. REFRIGERATION SYSTEM:
THE REFRIGERATION SYSTEM SHALL BE AN ADMIRAL REFRIGERATION MODEL # ADR--6D, ETL LISTED AS PER UL STANDARD 1995 AND CERTIFIED TO CSA STANDARD C22.2 NO. 236 AS MANUFACTURED BY ADMIRAL REFRIGERATION INC. 28310 AVENUE CROCKER, UNIT "C", VALENCIA, CA 91355. PH: (611) 505-7913.
2. FRAME:
THE FRAME SHALL CONSTRUCTED OF STRUCTURAL STEEL AND SHALL BE CLEANED AND PAINTED FOR PROTECTION FROM CORROSION. THE WEATHER PROOF HOUSING SHALL BE MADE OF 18 GA. STAINLESS STEEL WITH ONE PIECE LOUVER DOORS.
3. COMPRESSOR MOTOR AND COMPONENTS:
THE SYSTEM SHALL BE EQUIPPED WITH SCROLL, SEMI-HERMETIC AND HERMETIC COMPRESSORS. EACH COMPRESSOR SHALL BE PRE-PIPED BUT NOT LIMITED TO FILTER DRIER, SIGHT GLASS, HEAT PRESSUR CONTROL, DISCHARGE PRESSURE CONTROL AND VIBRATION ELIMINATORS (FOR SEMI-HERMETIC) WHICH IS FACTOR TO BE ASSEMBLED AND PRESSURE TESTED. EACH COMPRESSOR SHALL INCLUDE A CRANKCASE HEATER FOR LOW AMBIENT PROTECTION. LOW TEMPERATURE (FREEZER) SYSTEMS SHALL BE EQUIPPED WITH ELECTRIC DEFROST TIME CLOCKS TO BE FIELD SET ON START UP OF THE SYSTEM.
4. CONDENSER:
THE CONDENSER SHALL BE MULTI-CIRCUITED WITH 3/8" RIFLE TUBING, EACH CIRCUIT SIZING TO OPERATE AT A DESIGN TEMPERATURE CONDITION WITH A 20° MAXIMUM TEMPERATURE DIFFERENCE ACROSS THE CONDENSER SURFACE. THE CONDENSER SHALL HAVE FREE AIR MOVEMENT WITH NO STATIC PRESSURE EXCEPT FOR THAT CAUSED BY THE FINNED SURFACES. 100% OF ALL CONDENSER AIR SHALL BE DIRECTED OVER THE COMPRESSOR BODIES.
5. ELECTRICAL COMPONENTS:
THE SYSTEM SHALL HAVE A FACTORY MOUNTED RECESSED, PRE-WIRED, WEATHER RATED ETL LISTED ELECTRICAL CONTROL PANEL WITH MAIN DISCONNECT FOR A SINGLE POINT ELECTRICAL CONNECTION BY THE ELECTRICAL CONTRACTOR. ELECTRICAL COMPONENTS SHALL INCLUDE BUT NOT LIMITED TO COMPRESSORS, TIME CLOCKS, CIRCUIT BREAKERS, CONTACTORS, RELAYS, FAN MOTORS AND OTHER CONTROLS OR COMPONENTS DEEMED NECESSARY FOR OPERATION OF THE SYSTEM.
6. REFRIGERATION LINES:
REFRIGERATION LINES SHALL BE A.C.R. GRADE TYPE "L" AND BE PRE-PIPED AND EXTENDED IN A NEAT AND ORDERLY MANNER TO ONE END OF THE SYSTEM FOR A SINGLE POINT CONNECTION. ALL PIPING SHALL BE ANCHORED AND SECURED WITH UNISTRUT CLAMPS. EACH SYSTEM SHALL BE PRESSURIZED, CHECKED, TESTED AND SHIPPED WITH DRY NITROGEN.

GENERAL NOTES

REV	DESCRIPTION	DATE



Ph: (661) 505-7913

Project Name and Address

REFRIGERATION PLAN

GREAT WOLF LODGE
NAPLES, FL

NOT DRAWN TO SCALE

DRAWING NUMBER
23-1055

DATE
4-12-2023

DRAWN BY
R D

JOB NUMBER

SHEET NUMBER

R-1