

Diagram illustrating the side view of the unit. The unit is shown with a main electrical disconnect on the left side and a fusible disconnect on the right side. Airflow is indicated by arrows: AIR IN (left side) and AIR OUT (right side). The unit is labeled with dimensions: 44" (width) and 48" (height).

POWER SUPPLY: 480V/3PH/60HZ
FUSE SIZE: 60 AMPS
MINIMUM AMPACITY= 55.5 AMPS

[illegible]

LEGEND	*	O—OFF CYCLE E—ELECTRIC G—GRAVITY [W/TIMER]
		E [^] —DEFROST CLOCK BY FIXTURE MANUFACTURER

* * VERIFY LINE SIZES WITH

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 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

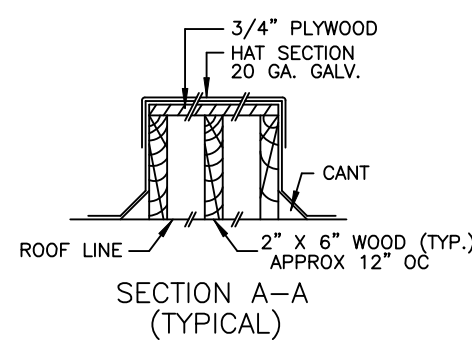
Diagram illustrating the layout of a platform with a refrigeration rack and electrical pitch pocket. The diagram shows a rectangular platform with dimensions and clearances specified.

Key dimensions and labels include:

- REFRIGERATION PITCH POCKET BY G.C. (General Construction)
- REFRIGERATION RACK ON PLATFORM
- ELECTRICAL PITCH POCKET BY G.C.
- 52' (Overall width)
- 24' (Width of refrigeration rack area)
- 6' (Clearance from left wall)
- 3" TYP. (Typical clearance)
- 6' (Clearance from bottom wall)
- 2' (Clearance from bottom wall)
- 94' (Overall length)
- 108' (Overall length including platform)
- 14' (Height of platform)
- 6' (Height of platform)
- SERVICE SIDE
- PLATFORM (BY G.C.)
- *36" CLEARANCE RECOMMENDED ON ALL SIDES OF UNIT

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



208V/1PH/60HZ
HOUSE POWER

L1 L2

FIELD WIRING
BY ELECTRICIAN

FIELD WIRING
BY ELECTRICIAN

TEMPERATURE AND DEMAND DEFROST CONTROLLER

4 F X N 3 H1 H2

BRAIN LINE HEATER

DEFROST HEATERS

FAN MOTOR PLUGS

M1 M2

FAN MOTORS -(AS REQ.)

GROUND

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

LD WIRING

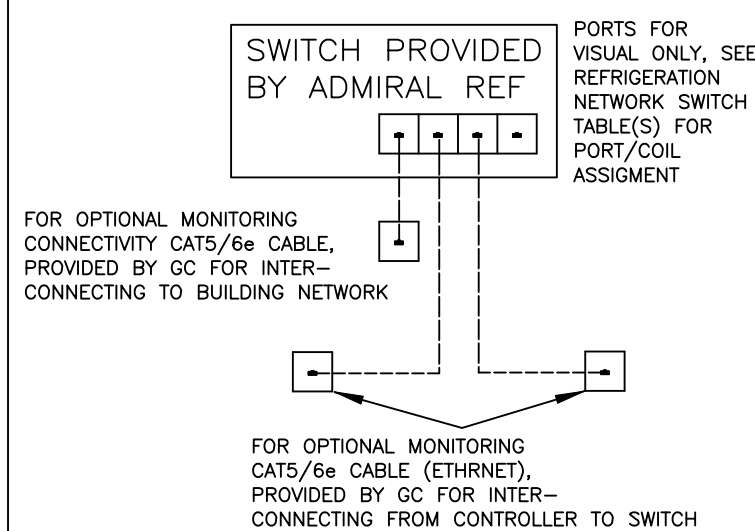
TD WIRING

TYPICAL EVAPORATOR HOUSING

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

SWITCH 1 (SHIPPED LOOSE)			
PORT#	ITEM	DESCRIPTION	COIL#
1	K77	WALK-IN COOLER	1
2	K77	WALK-IN COOLER	2
3	K77	WALK-IN COOLER	3
4	K77	WALK-IN COOLER	4
5	K76	WALK-IN FREEZER	1
6	K76	WALK-IN FREEZER	1
7			
8		LAN IF REQUIRED	

115 VOLT HOUSE POWER

[illegible]

1, 2 & 3 FAN MODELS (TOP VIEW)

MODEL RL6	NO. OF FANS	A		B		SUCTION CONNECTION (ID) SWEAT	EVAP WEIGHT
		IN	IN	IN	IN		
RL6A06	1	27	17 1/4	17	17 1/4	5/8	47
RL6A09A	2	43	5/8	33	1/4	5/8	55
RL6A117	2	43	5/8	33	1/4	5/8	58
RL6A130	2	43	5/8	33	1/4	5/8	62
RL6E066	2	43	5/8	33	1/4	5/8	52
RL6E077	2	43	5/8	33	1/4	5/8	55
RL6E142	3	60	1/8	49	1/4	7/8	85

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-CONNECTING 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 AND FREEZER, 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.

REFRIGERATION SYSTEM:

THE REFRIGERATION SYSTEM SHALL BE AN ADMIRAL REFRIGERATION MODEL # ADR-8D, 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: # (661) 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, HEAD PRESSUR CONTROL DEVI, DUAL PRESSURE CONTROL, AND VIBRATION ELIMINATORS (FOR SEMI-HERMETIC) WHICH IS FACTORY 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 COIL-CIRCUITED WITH 3/8" RIFLE TUBING, EACH CIRCUIT SIZING TO OPERATE AT APPROXIMATE TEMPERATURE CONDITION WITH A 20°F 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

# 1	REVISED EVAP ON SYSTEM D2/T2, REVISED COMP. & EVAP ON SYSTEM 7/12, ADDED SYSTEMS D4/86 & & C/86, REVISED WEIGHT & MCA	5.24.23
# 2	REVISED ITEM NUMBERS ON SYSTEMS D2 AND F.	8.22.23
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	JOB NUMBER
DATE 4-12-2023	SHEET NUMBER R-2
DRAWN BY R.D.	