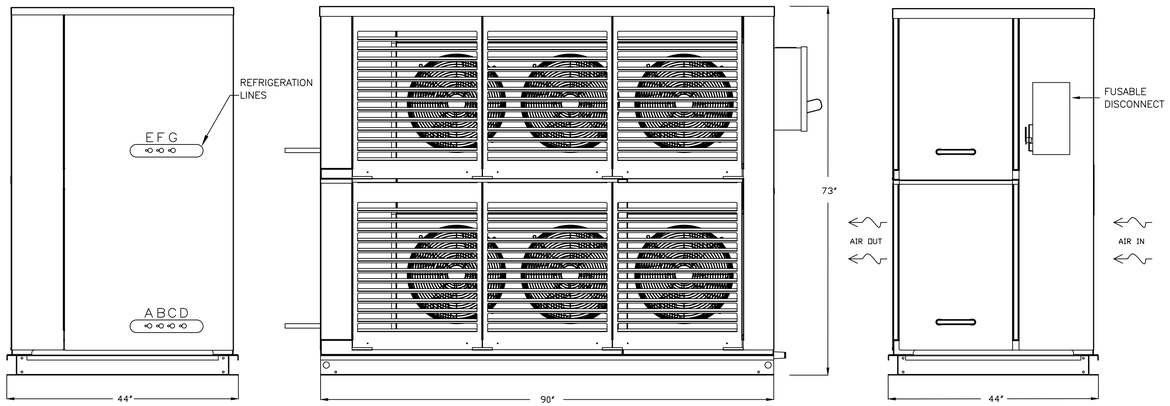
REFRIGERATION LINES

ADMIRAL MODEL # ADR-8D
ITEM # 1-175

ELECTRICAL CONNECTIONS



SIDE VIEW — FRONT VIEW SERVICE SIDE — SIDE VIEW

GENERAL NOTES:
1. UNIT WEIGHT APPROXIMATELY 2,300 LBS
2. INSTALLATION CLEARANCE REQUIRES 3 FT ON ALL SIDES

SYSTEM SHALL BE ETL LISTED CONFORMS TO UL STD 1995

ENGINEERING SUMMARY

POWER SUPPLY: 208-230V/3PH/60HZ FUSE SIZE: 60 AMPS
MINIMUM AMPACITY= 57.1 AMPS

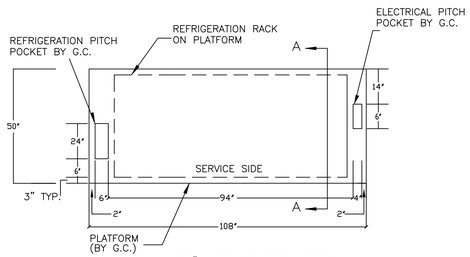
IDENT. SYSTEM	IDENT. ITEM	FIXTURES DESCRIPTION	FIXT °F FIXT.	FIXT °F SUCT.	COMPRESSORS REFRIG. R-	MODEL NO.	H.P.	ELECTRICAL CHARACTERISTIC AT 60 HZ. RLA	V	PH	CAPACITY	EVAPORATOR COILS * DEFROST	QUANTITY	MODEL NO.	FAN 1 PH AMP	FAN 1 PH V	HEATER AMP	HEATER V	HEATER PH	TOTAL UNIT AMP. [RLA]	LINE SIZES ** SUCTION	DISCH.	LIQUID	DEFROST OPTION NO.
A		MULTIPLEX		20	448A	ZB07KAE	.90	4.7	208	3	7.6	O								4,.7	5/8		3/8	
A1	1-038	2 DR BACK BAR REF	35											BY OTHERS										
A2	1-038	2 DR BACK BAR REF	35											BY OTHERS										
A3	1-038	2 DR BACK BAR REF	35											BY OTHERS										
A4	1-038	2 DR BACK BAR REF	35											BY OTHERS										
B		MULTIPLEX		20	448A	ZB07KAE	.90	4.7	208	3	7.6	O								4,.7	5/8		3/8	
B1	1-038	2 DR BACK BAR REF	35											BY OTHERS										
B2	1-038	2 DR BACK BAR REF	35											BY OTHERS										
B3	1-038	2 DR BACK BAR REF	35											BY OTHERS										
B4	1-038	2 DR BACK BAR REF	35											BY OTHERS										
C	1-066	WALK-IN BEER COOLER	35	25	448A	ZS11KAE	1.1	9.3	208	3	10.6	O	1	KLP211MA	2.0	120				9.3	7/8		3/8	KE2/MT
D	1-136	WALK-IN COOLER	35	25	448A	ZS09KAE	1.0	7.2	208	3	8.7	O	1	KLP209MA	2.0	120				7.2	7/8		3/8	KE2/MT
E	1-144	WALK-IN COOLER	35	25	448A	ZB07KAE	.90	4.7	208	3	7.2	O	1	KLP107MA	1.0	120				4.7	7/8		3/8	KE2/MT
F	1-145	WALK-IN FREEZER	-10	-20	448A	ZF08K4E	2.5	8.7	208	3	7.2	E	1	KLP207LE	1.2	208	8.2	208	1	8.7	7/8		3/8	KE2/LT
G	1-136	WALK-IN COOLER	35	25	448A	ZS09KAE	1.0	7.2	208	3	8.7	O	1	KLP209MA	2.0	120				7.2	7/8		3/8	KE2/MT
		(6) CONDENSER FAN MOTOR					1/4	1.8	208	1										10.8				

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

** VERIFY LINE SIZES WITH JOB SITE CONDITIONS

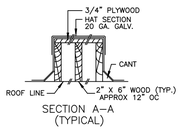
NOTE:
- ALL COMPRESSORS AND CONDENSER CIRCUITS ARE SIZED TO OPERATE AT 120° F AMBIENT AIR TEMPERATURE
- ALL WALK-IN EVAPORATOR COILS SUPPLIED WITH ECM MOTORS AND PATENTED "SMART SPEED TECHNOLOGY" WITH 2 - SPEED MOTORS
- ALL WALK-IN EVAPORATOR COILS ARE SUPPLIED WITH MATCHING KE2 CONTROL, SOLENOID VALVES & EXPANSION VALVES FACTORY INSTALLED
- 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

ROOF PAD DETAIL



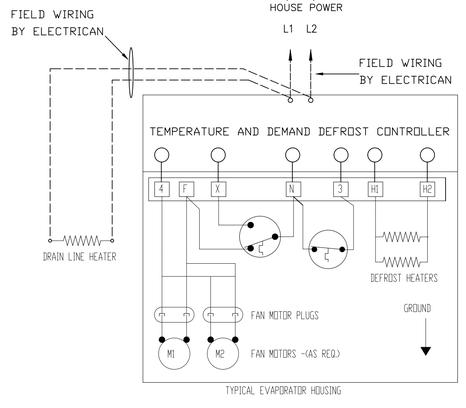
*36" CLEARANCE RECOMMEDED ON ALL SIDES OF UNIT

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

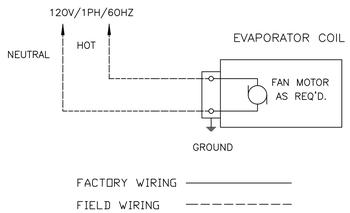


SECTION A-A (TYPICAL)

KE2/LT-ELECTRIC DEFROST WIRING



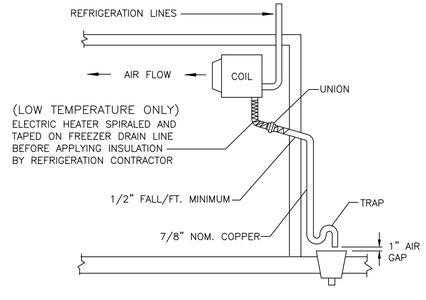
KE2/MT WIRING DIAGRAM FOR 120V FAN MOTORS



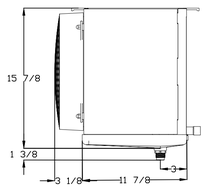
GENERAL NOTES

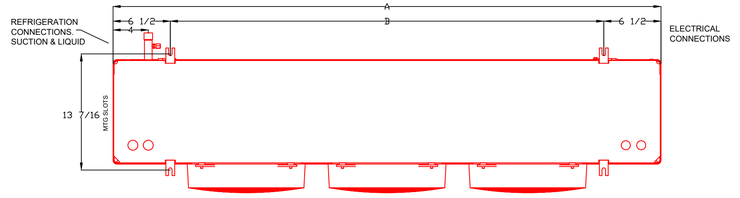
1. GENERAL CONTRACTOR
   - A. CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND COORDINATE WITH OTHER TRADES.
   - B. GENERAL CONTRACTOR SHALL PREPARE AND WEATHER PROOF THE PLATFORM AND CURBED OPENINGS.
2. REFRIGERATION CONTRACTOR
   - A. THE COMPLETE SYSTEM SHALL BE EVACUATED WITH VACUUM PUMP.
   - B. ALL 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.

DRAIN LINE DETAIL



KLP EVAPORATOR COIL





1, 2 & 3 FAN MODELS (TOP VIEW)

MODEL KLP	NO. OF FANS	A IN	B IN	SUCTION CONNECTION (ID) SWEAT	EVAP WEIGHT
107MA	1	30 1/4	17 1/4	5/8	49 LBS
209MA	2	46 1/4	33 1/4	7/8	70 LBS
211MA	2	46 1/4	33 1/4	7/8	74 LBS
207LE	3	33 1/4	33 1/4	7/8	76 LBS

REFRIGERATION NOTES

1. 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 STRUCTUAL 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 DEVICE, 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 MULTI-CIRCUITED WITH 3/8" RIFFLE TUBING, EACH CIRCUIT SIZING TO OPERATE AT AT A DESIGN 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 ELECTRCAL CONNECTION BY THE ELECTRICAL CONTRACTOR. ELECTRICAL COMPONETS 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 SIDE 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

ADMIRAL COMMERCIAL REFRIGERATION SYSTEMS

Ph: (661) 505-7913

Project Name and Address

REFRIGERATION PLAN

TERRIBLE HERBST POLARIS SUPPER CLUB
LAS VEGA, NV

NOT DRAWN TO SCALE

DRAWING NUMBER 23-1095	JOB NUMBER
DATE 5-24-2023	SHEET NUMBER R-1
DRAWN BY R.D.	