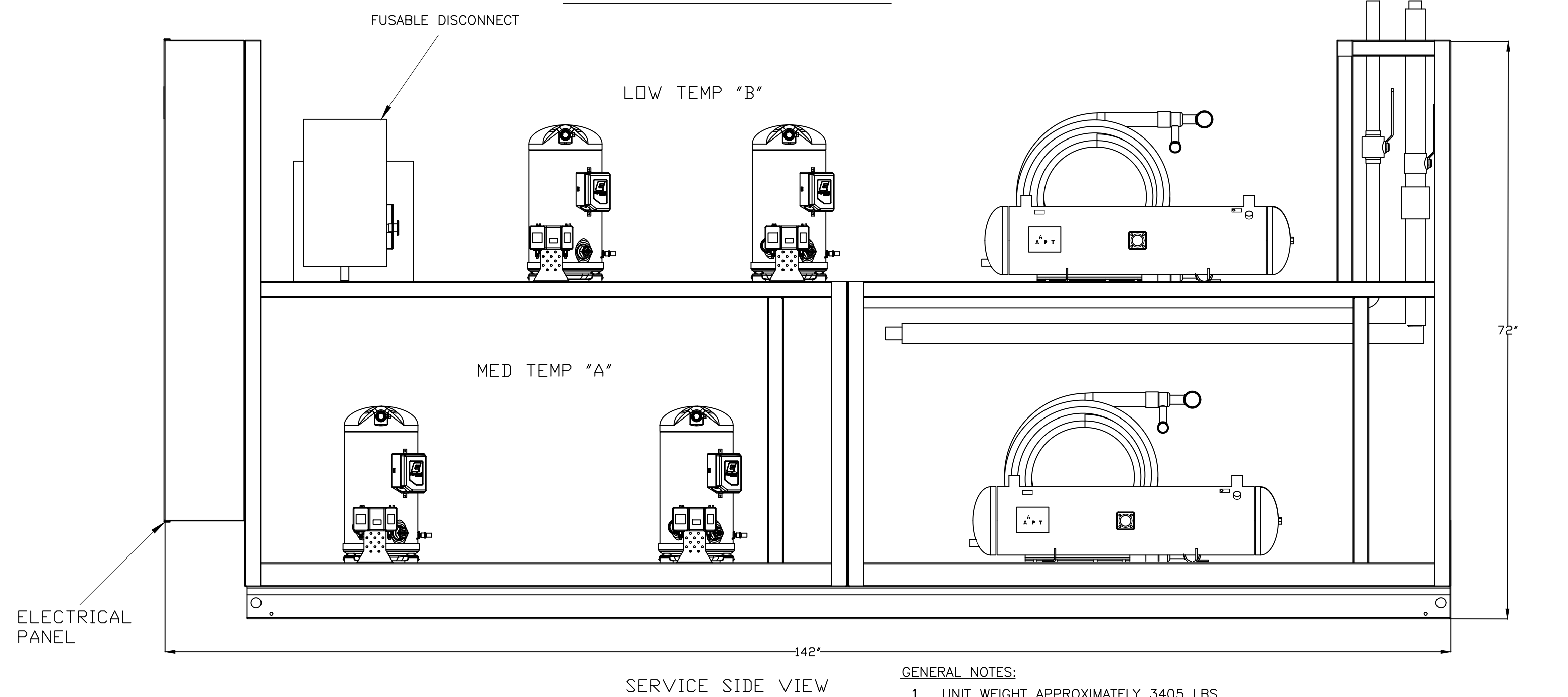


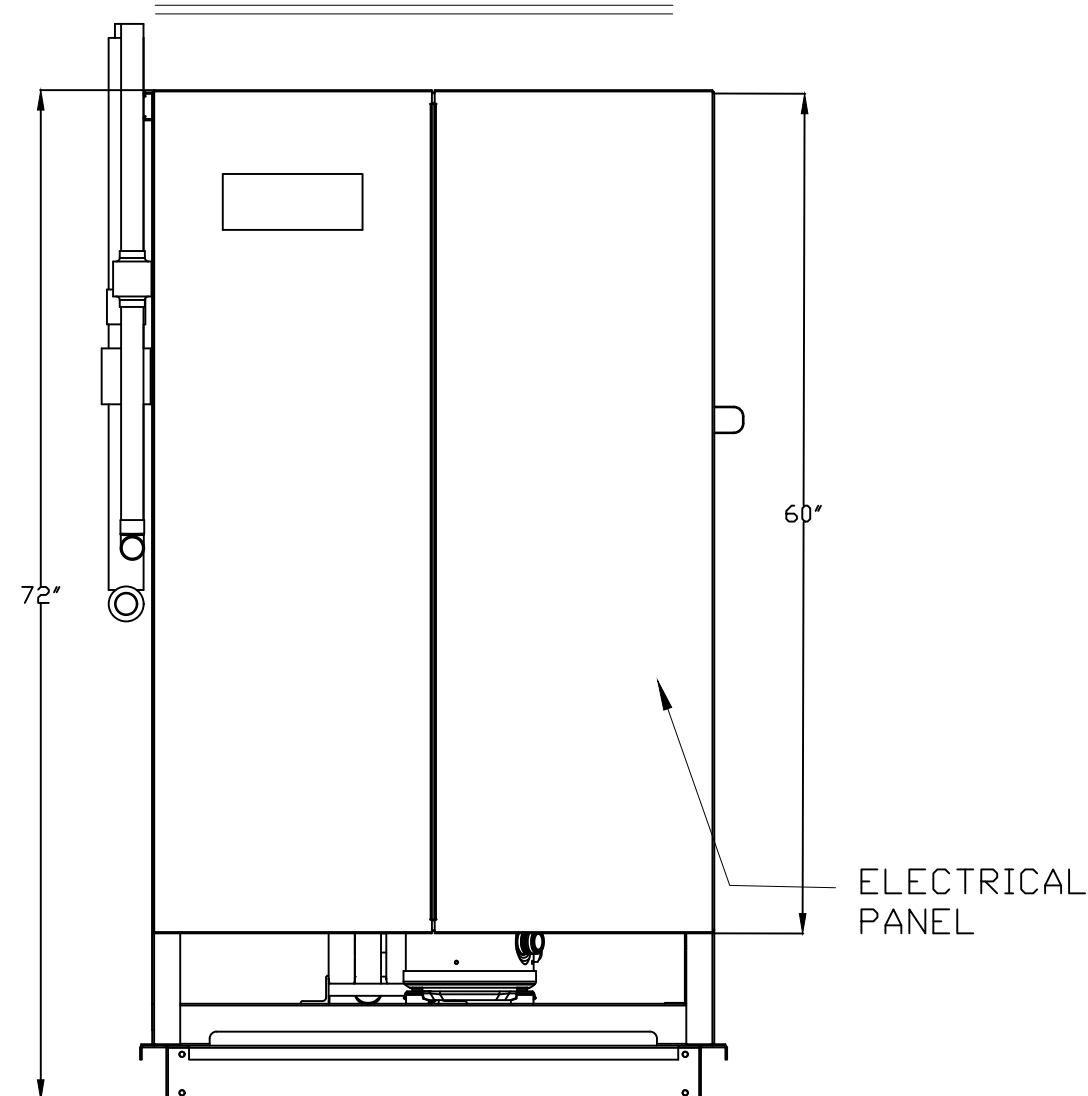
ADMIRAL MODEL # ADR-12D-WC



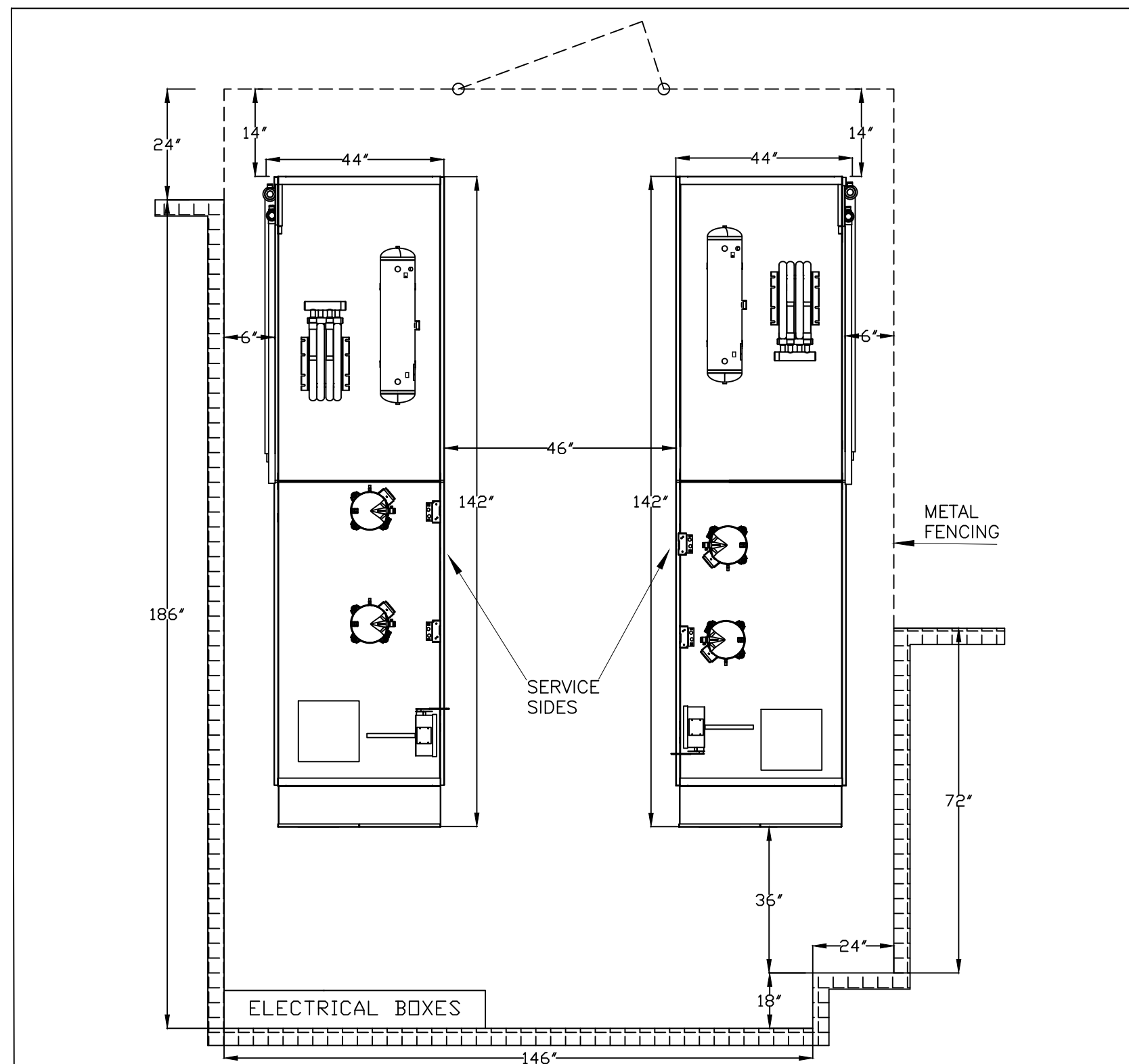
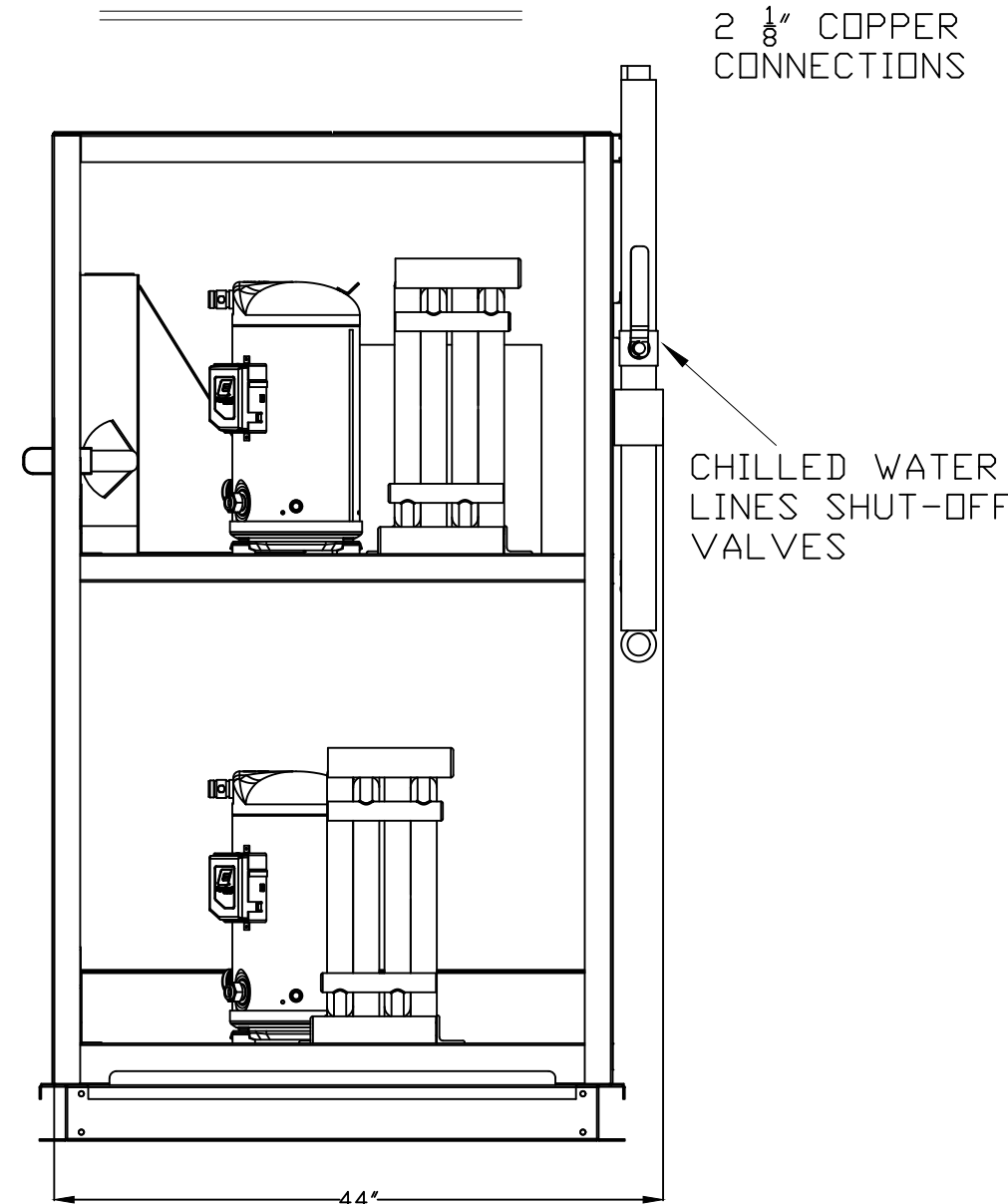
GENERAL NOTES:

1. UNIT WEIGHT APPROXIMATELY 3405 LBS
2. INCOMING AND OUTGOING WATER MANIFOLD PIPE SIZE 2 1/8" INCHES OUTSIDE DIAMETER
3. MAXIMUM WATER FLOW RATE 36.1 GALLONS PER MINUTE

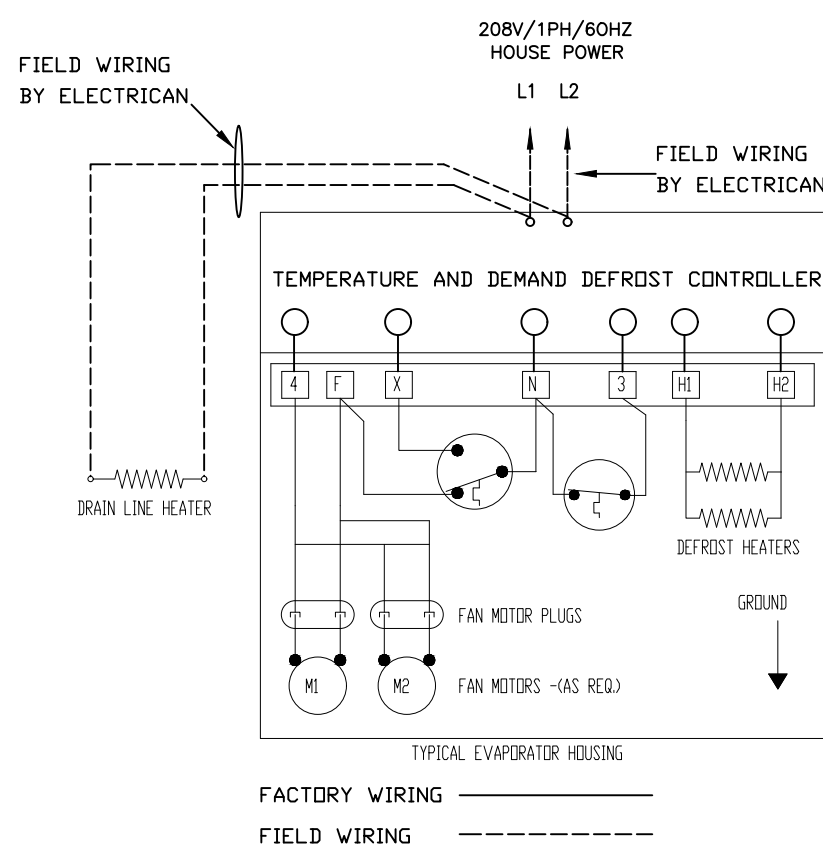
ELECTRICAL CONNECTIONS



CHILLED WATER LINES



DEMAND-ELECTRIC DEFROST WIRING



ENGINEERING SUMMARY

POWER SUPPLY: 460V/3PH/60HZ

FUSE SIZE: 70 AMPS
MINIMUM AMPACITY= 56.3 AMPS

IDENT.		FIXTURES			COMPRESSORS								EVAPORATOR COILS										LINE SIZES **			DEFROST OPTION NO.
SYSTEM	ITEM	DESCRIPTION	FIXT 'F		REFRIG. R-	MODEL NO.	H.P.	ELECTRICAL CHARACTERISTIC AT 60 HZ.			CAPACITY	DEFROST *	QUANTITY	MODEL NO.	FAN 1 PH		HEATER			TOTAL UNIT AMP. [RLA]	SUCTION	DISCH.	LIQUID			
			FIXT.	SUCT.				RLA	V	PH					AMP	V	AMP	V	PH							
AA1		MT PARALLEL SCROLL COMPRESSOR	35	20	448A	ZB76K5E	8.5	18.6	460	3	86.0	0								18.6	2 1/8		7/8			
AA2		MT PARALLEL SCROLL COMPRESSOR	35	20	448A	ZB66K5E	7.5	15.4	460	3	72.0	0								15.4						
A26	K01A	U/C REFRIG (2 DR)		35	20							⌞	BY OTHERS													
A27	K01B	U/C REFRIG (2 DR)		35	20							⌞	BY OTHERS													
A28	K03B	U/C REFRIG (2 DR)		35	20							⌞	BY OTHERS													
A29	K03A	U/C REFRIG (2 DR)		35	20							⌞	BY OTHERS													
A30	K04A	U/C REFRIG (2 DR)		35	20							⌞	BY OTHERS													
A31	K08	U/C REFRIG (2 DR)		35	20							⌞	BY OTHERS													
A32	K04B	U/C REFRIG (3 DR)		35	20							⌞	BY OTHERS													
A33	K15A	U/C REFRIG (2 DR)		35	20							⌞	BY OTHERS													
A34	K15B	U/C REFRIG (2 DR)		35	20							⌞	BY OTHERS													
A35	J10A	U/C REFRIG (2 DR)		35	20							⌞	BY OTHERS													
A36	J11	SLIDING DOOR WALL CABINET		35	20							⌞	BY OTHERS													
A37	J01A	U/C REFRIG (2 DR)		35	20							⌞	BY OTHERS													
A38	J10B	U/C REFRIG (2 DR)		35	20							⌞	BY OTHERS													
A39	J10C	U/C REFRIG (2 DR)		35	20							⌞	BY OTHERS													
A40	J01B	U/C REFRIG (2 DR)		35	20							⌞	BY OTHERS													
A41	E07	U/C REFRIG (2 DR)		35	20							⌞	BY OTHERS													
A42	E07	U/C REFRIG (2 DR)		35	20							⌞	BY OTHERS													
A43	A25	WALK-IN REF		35	25							⌞	BY OTHERS													
A44	A26	WALK-IN REF		35	25							⌞	BY OTHERS													
A45	A11	WALK-IN REF		35	25							⌞	BY OTHERS													
A46	A17	TRAULSEN FISH FILE		35	20							⌞	BY OTHERS													
A47	L03	U/C REFRIG (2 DR)		35	20							⌞	BY OTHERS													
A48	G03A	REACH IN REFRIG (2 DR)		35	20							⌞	BY OTHERS													
A49	G03B	REACH IN REFRIG (2 DR)		35	20							⌞	BY OTHERS													
A50	G03C	REACH IN REFRIG (2 DR)		35	20							⌞	BY OTHERS													
A51	G18	REACH IN REFRIG (2 DR)		35	20							⌞	BY OTHERS													
A52	H05	REACH IN GLASS DR REFRIG (2 DR)		35	20							⌞	BY OTHERS													
A53	N08A	U/C REFRIG (2 DR)		35	20							⌞	BY OTHERS													
A54	N05	SLIDING DOOR WALL CABINET		35	20							⌞	BY OTHERS													
A55	N12	U/C REFRIG (2 DR)		35	20							⌞	BY OTHERS													
A56	N14	SLIDING DOOR WALL CABINET		35	20							⌞	BY OTHERS													
A57	M12A	WALK-IN REF		35	25							⌞	BY OTHERS													
A58	P02A	REFRIG WINE CABINET		30	50							⌞	BY OTHERS													
A59	P02B	REFRIG WINE CABINET		30	50							⌞	BY OTHERS													
A61	A18	REFRIG PREP ROOM		30	55							⌞	BY OTHERS													
A61	A18	REFRIG PREP ROOM		30	55							⌞	BY OTHERS													
A62	G12	U/C REFRIG		35	20							⌞	BY OTHERS													
BB1		LT PARALLEL SCROLL COMPRESSOR	-10	-20	448A	ZF18K5E	6.0	9.6	460	3	25.6	E								9.6	1 3/8		1/2			
BB2		LT PARALLEL SCROLL COMPRESSOR	-10	-20	448A	ZF18K5E	6.0	8.0	460	3	20.4	E								8.0						
B11	A07A	WALK-IN FREEZER		-10	-20							⌞	BY OTHERS										DEMAND			
B12	A07B	WALK-IN FREEZER		-10	-20							⌞	BY OTHERS										DEMAND			
B13	N08B	U/C FREEZER BASE (1 DR)		0	-10							⌞	BY OTHERS													
B14	M24A	WALK-IN FREEZER		-10	-20							⌞	BY OTHERS										DEMAND			
B15	M22	PANIMATIC BLAST CHILLER		0	-20							⌞	BY OTHERS													
B16	M25	U/C FREEZER BASE (3 DR)		-10	-20							⌞	BY OTHERS													
B17	N09	REACH IN FREEZER		0	-10							⌞	BY OTHERS													

LEGEND * O—OFF CYCLE E—ELECTRIC G—GRAVITY [W/TIMER]

E—DEFROST CLOCK BY FIXTURE MANUFACTURER

** VERIFY LINE SIZES WITH JOB SITE CONDITIONS

SYSTEM SHALL BE ETL LISTED
CONFORMS TO UL STD 1995

NOTE:

- MINIMUM INCOMING CHILLED WATER TEMPERATURE 45°F MAXIMUM INCOMING CHILLED WATER TEMPERATURE 85°F
- MAXIMUM INCOMING CHILLED WATER PRESSURE - 120 P.S.I.G.
- REFRIGERATION SYSTEM WILL DISCHARGE A MAXIMUM OF 8,459 B.T.U.'s PER HOUR INTO THE MECHANICAL ROOM
- REFRIGERATION SYSTEM WILL DISCHARGE A MAXIMUM OF 288,592 B.T.U.'s PER HOUR INTO THE CHILLED WATER SYSTEM
- MINIMUM MECHANICAL ROOM VENTILATION 564 C.F.M. TO MAINTAIN A MAXIMUM OF 15°F TEMPERATURE RISE IN THE MECHANICAL ROOM

REFRIGERATION NOTES

1. REFRIGERATION SYSTEM:
THE REFRIGERATION SYSTEM SHALL BE AN ADMIRAL REFRIGERATION MODEL # ADR-12D-WC, 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: # (562) 941-2100.
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 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" RIFLE 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 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 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

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.

GENERAL NOTES

#1	REVISED THE RACK SIZE TO 142"L	5/8/19
#2	REVISED COMPRESSOR ROOM DRAWING	5/9/19

REV	DESCRIPTION	DATE
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Ph: (562) 941-2100

Project Name and Address
REFRIGERATION PLAN
FOUR SEASONS HOTEL
MAIN KITCHEN

WESTLAKE, CA

NOT DRAWN TO SCALE

DRAWING NUMBER 19-0419	JOB NUMBER
DATE 04/19/2019	SHEET NUMBER R-1
DRAWN BY SUJAY	