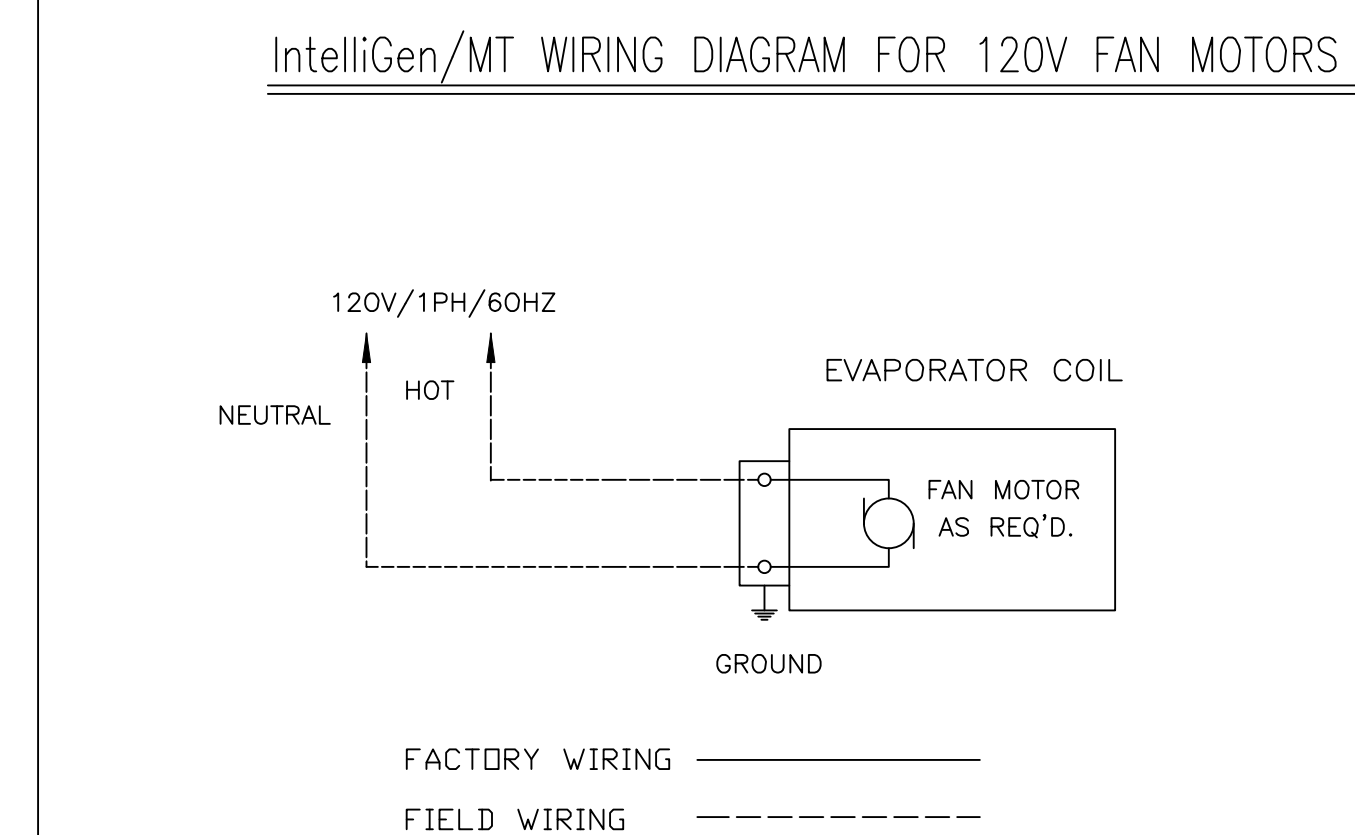
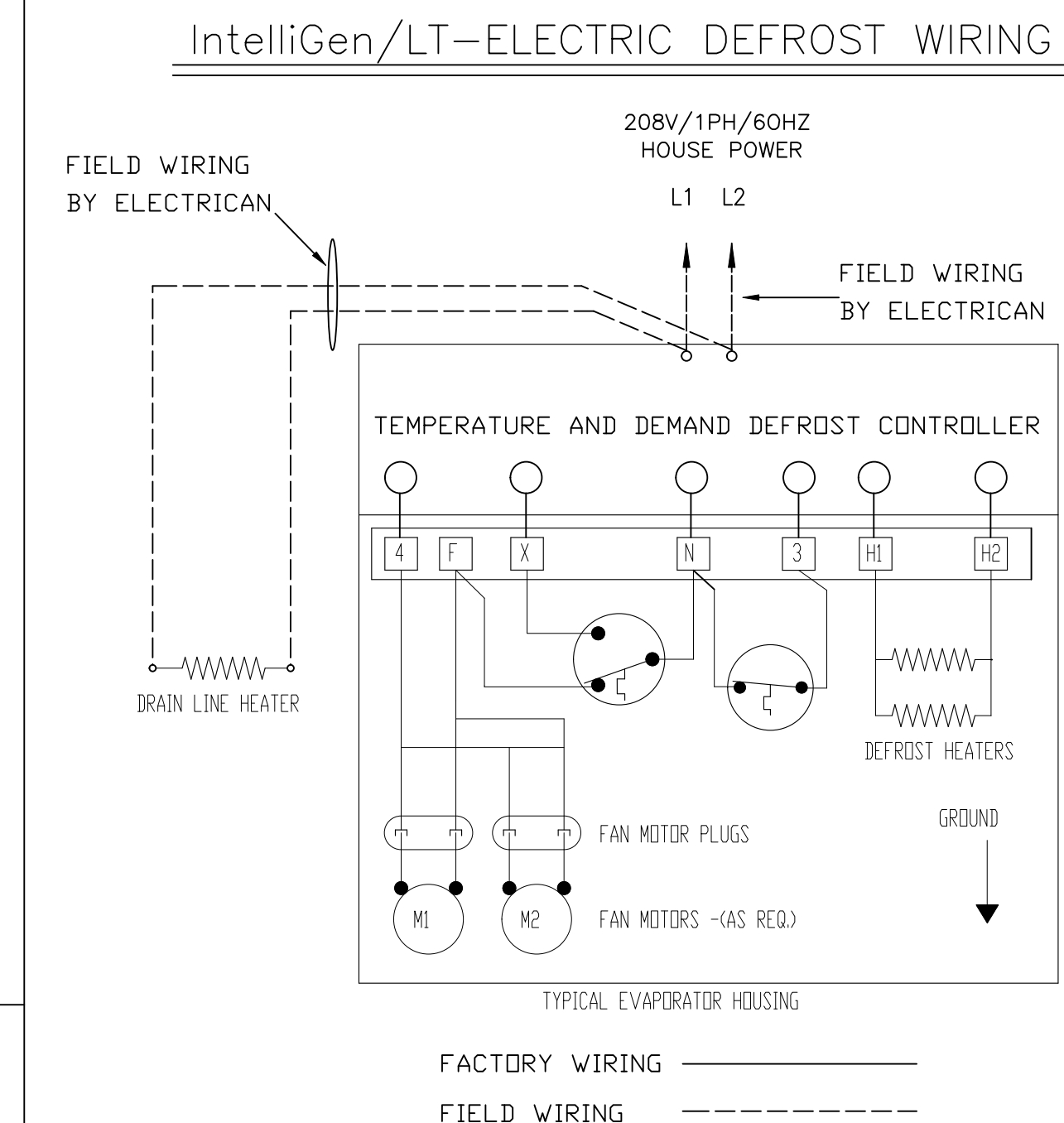


NOTE: - EACH COMPRESSOR SYSTEM IS SUPPLIED WITH A WATER REGULATING VALVE; FACTORY INSTALLED
- ALL WALK-IN EVAPORATOR COILS SUPPLIED WITH ECM MOTORS 2 - SPEED MOTORS
- ALL WALK-IN EVAPORATOR COILS ARE SUPPLIED WITH ELECTRONIC TEMPERATURE CONTROL, SOLENOID VALVES & EXPANSION VALVES FACTORY INSTALLED
- 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



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.

1. REFRIGERATION SYSTEM:
THE REFRIGERATION SYSTEM SHALL BE AN ADR REFRIGERATION MODEL # ADR-80-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: # (661) 505-7913.
2. FRAME:
THE FRAME SHALL CONSIST OF STRUCTURAL STEEL AND SHALL BE POWDER COATED FOR PROTECTION.
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, WATER REGULATING VALVE, COAXIAL WATER COOLED CONDENSER, DUAL PRESSURE CONTROL AND VIBRATION ELIMINATORS (FOR SEMI-HERMETIC) WHICH IS FACTORY ASSEMBLED AND PRESSURE TESTED. LOW TEMPERATURE (FREEZER) SYSTEMS SHALL BE SUPPLIED WITH ELECTRIC DEFROST TIME CLOCKS TO BE FIELD SET ON START UP OF THE SYSTEM.
4. ELECTRICAL COMPONENTS:
THE SYSTEM SHALL HAVE A FACTORY MOUNTED, 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.
5. 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 U-BOLTS/CLAMPS. EACH SYSTEM SHALL BE PRESSURIZED, CHECKED, TESTED AND SHIPPED WITH DRY NITROGEN.
6. WATER PIPING
WATER SUPPLY AND RETURN HEADER SHALL BE MADE FROM GRADE TYPE "M" COPPER TUBING. EACH COMPRESSOR SHALL BE PRE-PIPED WITH ISOLATION VALVES FOR THE WATER SUPPLY AND RETURN.

#1	DELETED SYSTEM "C"; REVISED GPM, FUSE SIZE, GPM, ADD NOTE FOR WATER ISOLATION VALVES AND STRAINER, MINIMUM WATER TO 42F	2.6.23
#2	ADDED SEISMIC ANCHORING DETAIL AND FUSE DISCONNECT LOCATION	5.11.23
#3	REVISED ENGINEERING SUMMARY, DELETED UNIT AMP (RLA) COLUMN	6.12.23
#4	ADDED SEISMIC ANCHOR CLIP DETAIL, REVISED NOTES FOR SEISMIC ANCHOR DETAILS FOR CONCRETE PAD	6.15.23
REV	DESCRIPTION	DATE



Project Name and Address

REFRIGERATION PLAN

SUTTER MEDICAL CENTER

SACRAMENTO, CA

NOT DRAWN TO SCALE

DRAWING NUMBER	JOB NUMBER
23-1088	
DATE	SHEET NUMBER
5-5-2023	R-1
DRAWN BY	
R.D.	