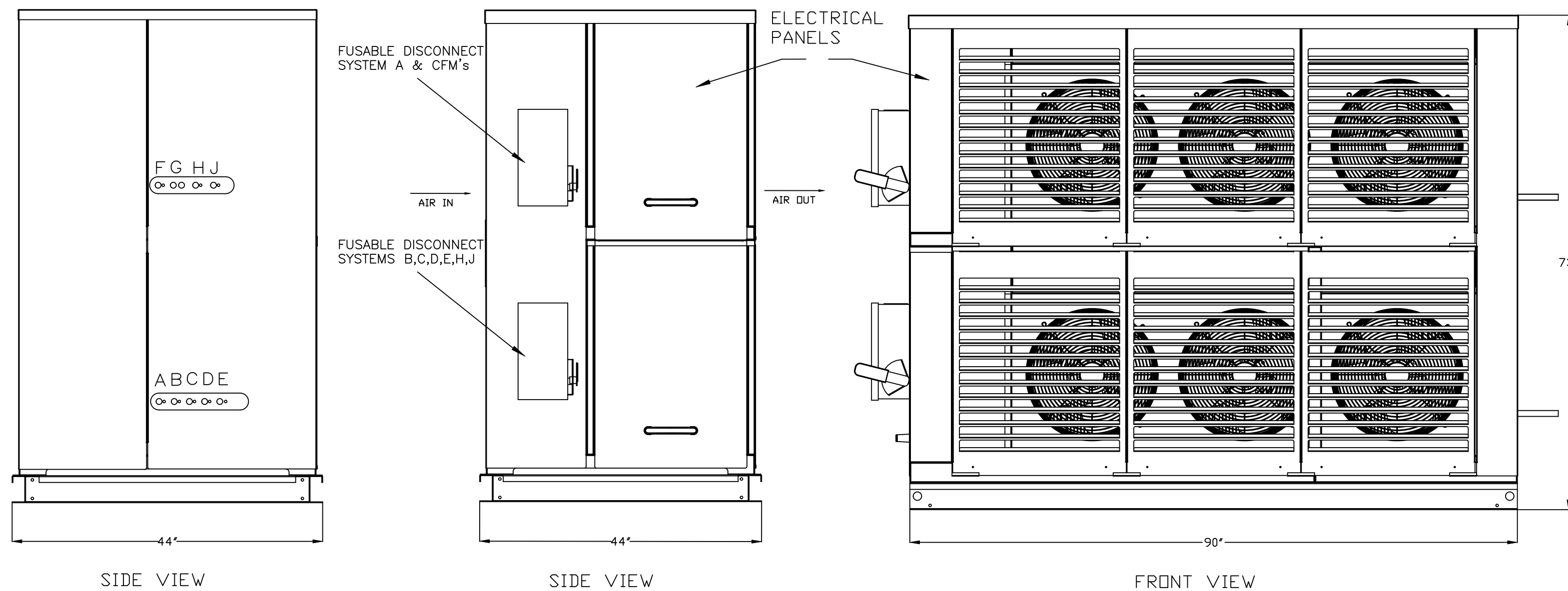


ITEM # 154



THIS SYSTEM IS INDOOR AIR COOLED WITH A POWDER COATED
FRAME AND STAINLESS STEEL HOUSING
SYSTEM WILL DISCHARGE 87,500 BTU/H INTO MECH. ROOM
TOTAL VENTILATION REQUIRED: 8,450 CFM
SYSTEM WEIGHT: 2,500 LBS
INSTALLATION CLEARANCE REQUIRES 3 FT ON ALL SIDES

SYSTEM SHALL BE ETL LISTED
CONFORMS TO UL STD 1995



POWER SUPPLY: 208-230V/3PH/60HZ FUSE SIZE: 25 AMPS
MINIMUM AMPACITY= 22.8 AMPS

POWER SUPPLY: 208-230V/3PH/60HZ FUSE SIZE: 40 AMPS
MINIMUM AMPACITY= 34.6 AMPS

[illegible]

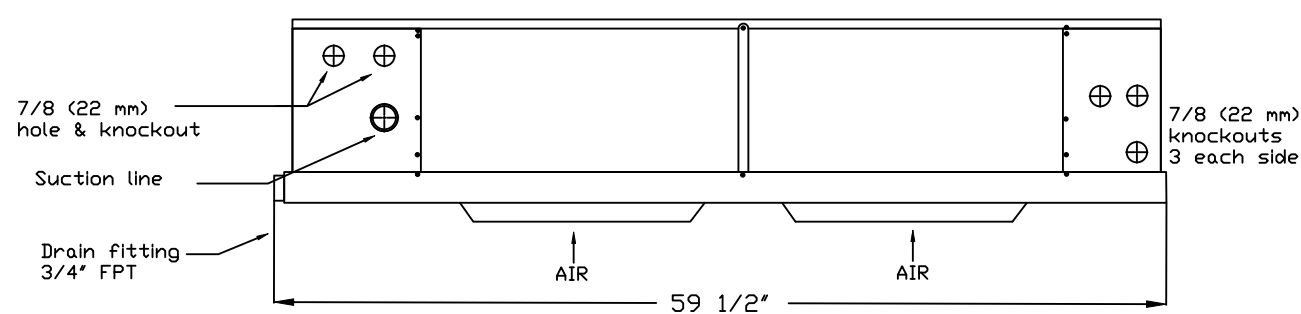
SYSTEM SHALL BE ETL LISTED
CONFORMS TO UL STD 1995

- ALL COMPRESSORS AND CONDENSER CIRCUITS ARE SIZED TO OPERATE AT 95° F AMBIENT AIR TEMPERATURE
 - EACH COMPRESSOR SYSTEM IS SUPPLIED WITH A CRANKCASE HEATER AND HEAT PRESSURE CONTROL FACTORY INSTALLED
 - ALL LOW TEMPERATURE SYSTEMS SUPPLIED WITH SUCTION LINE ACCUMULATORS
 - SYSTEM "E" SUPPLIED WITH OVERSIZED RECEIVER
 - SYSTEM "C" EVAPORATOR COILS SUPPLIED WITH PAINTED HOUSING, HERESITE COATED CORE AND TCM/FAN MOTORS
 - SYSTEM "F" ICE MACHINE CONDENSER TO BE SUPPLIED BY FSEC AND SHIPPED TO ADMIRAL REFRIG. FOR MOUNTING INTO FRAME
 - ELECTRICAL POWER FOR SYSTEM "F" ICE MACHINE CONDENSER TO BE PULLED FROM ICE MACHINE HEAT BY ELECTRICAL CONTRATOR
 - SYSTEM SUPPLIED WITH COPPER FINNED CONDENSER FOR SALT AIR PROTECTION
 - ALL COMPRESSOR SYSTEMS SUPPLIED WITH FACTORY INSTALLED SHUT OFF VALVE FOR HIGH RECOVERY, TOTAL T.H.R. 72.800 BTU/H
 "FLEXQUICK" DISCONNECT ASSEMBLIES SUPPLIED FOR ITEMS 105, 109.1, 110 AND 111.1 TO BE FIELD INSTALLED.

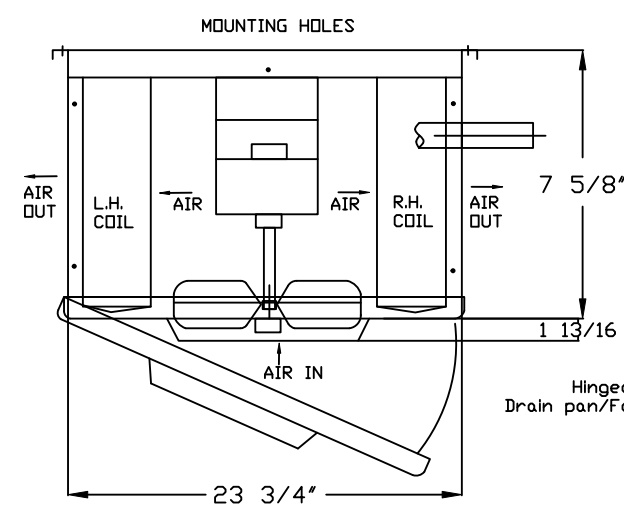
* * VERIFY LINE SIZES WITH
JOB SITE CONDITIONS



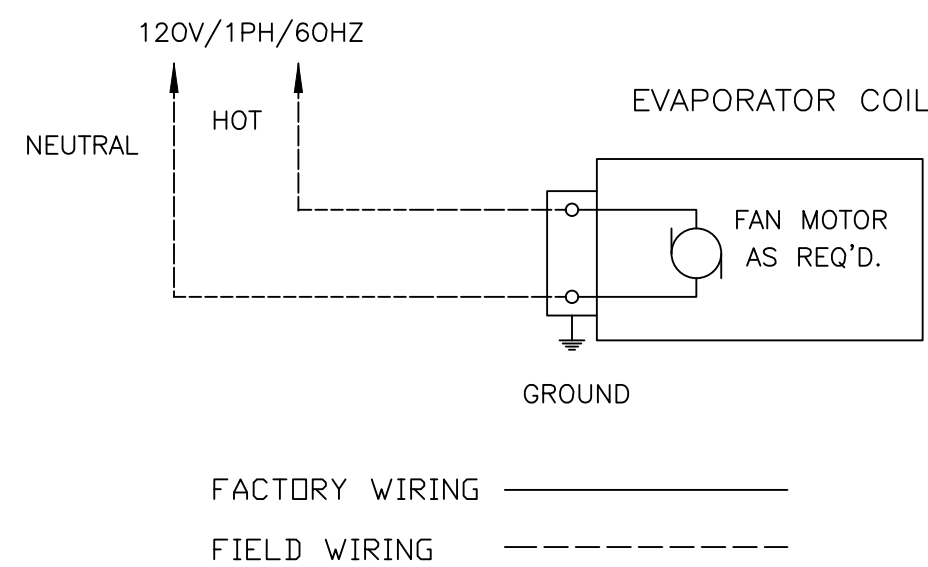
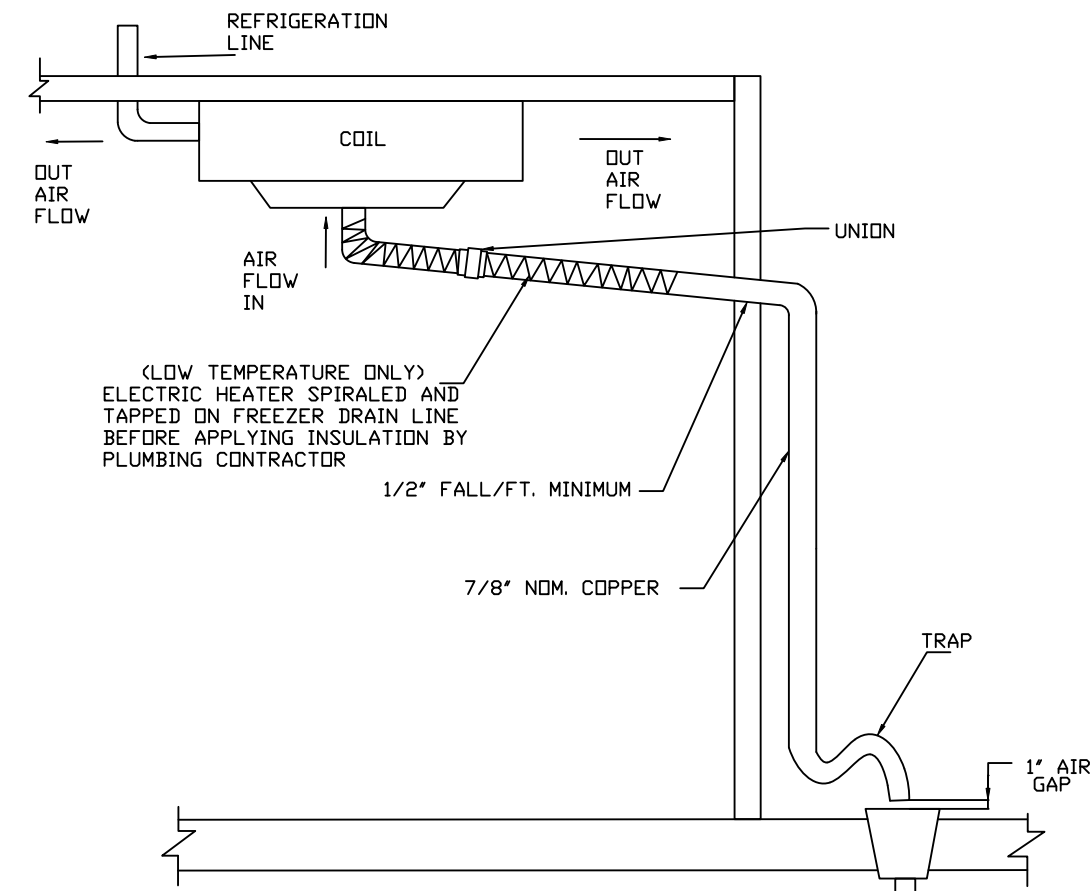
SIDE VIEW
MOUNTING HOLES (3/8" DIA.) & PIPING CONNECTION



END VIEW



REFRIGERATION 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.

- REFRIGERATION SYSTEM:
- THE REFRIGERATION SYSTEM SHALL BE AN ADMIRAL REFRIGERATION MODEL # ADR-10D, 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, HEAT PRESSUR CONTROL, DISCHARGE 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-CIRCUIT WITH 3/8" MAXIMUM RIFLE TUBING, EACH CIRCUIT SIZING TO OPERATE AT 1/4" 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 ONLY ONE 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 TO INDIVIDUAL CONDENSING UNITS WITH COPPER FINNS, REVISED SIZE, WEIGHT AND FUSE SIZE.	7.19.19
# 2	ADDED HEAT RECLAIM CONNECTIONS	7.22.19
# 3	ADDED SYSTEM 'H', REVISED TO INDOOR CONDENSING UNITS, REVISED TO STAINLESS STEEL FRAME, REVISED SIZE, WEIGHT AND FUSE SIZE, ADDED HERESITE COATED EVAP CORE TO SYSTEM 'A'.	7.29.19
# 4	ADDED SYSTEM 'H3', REVISED HP ON SYSTEMS 'D', 'E' & 'F', REVISED THR. SIZE, WEIGHT & FUSE SIZE. ADDED 'QUICKFLEX' ASSEMBLIES.	7.30.19
# 5	REVISED TO MULTI-CIRCUITED REFRIG. SYSTEM, REVISED SIZE, WEIGHT, FUSE SIZE, EVAP MODEL ON SYSTEM 'A'	9.12.23
# 6	REVISED TO TWO (2) ELECTRICAL POWER CONNECTIONS	9.22.23
# 7	ADDED ITEMS 134 & 134.1. REVISED SYSTEM 'D', ADDED SYSTEM 'J'. REVISED THR. SIZE, WEIGHT, FUSE SIZE & VENTILATION	2.6.24
REV	DESCRIPTION	DATE



Ph: (661) 505-7913

Project Name and Address
REFRIGERATION PLAN

HILLSTONE RESTAURANT
DEL MAR, CA

NOT DRAWN TO SCALE

DRAWING NUMBER 19-1026	JOB NUMBER
DATE 2-21-2019	SHEET NUMBER R-1
DRAWN BY R.D.	