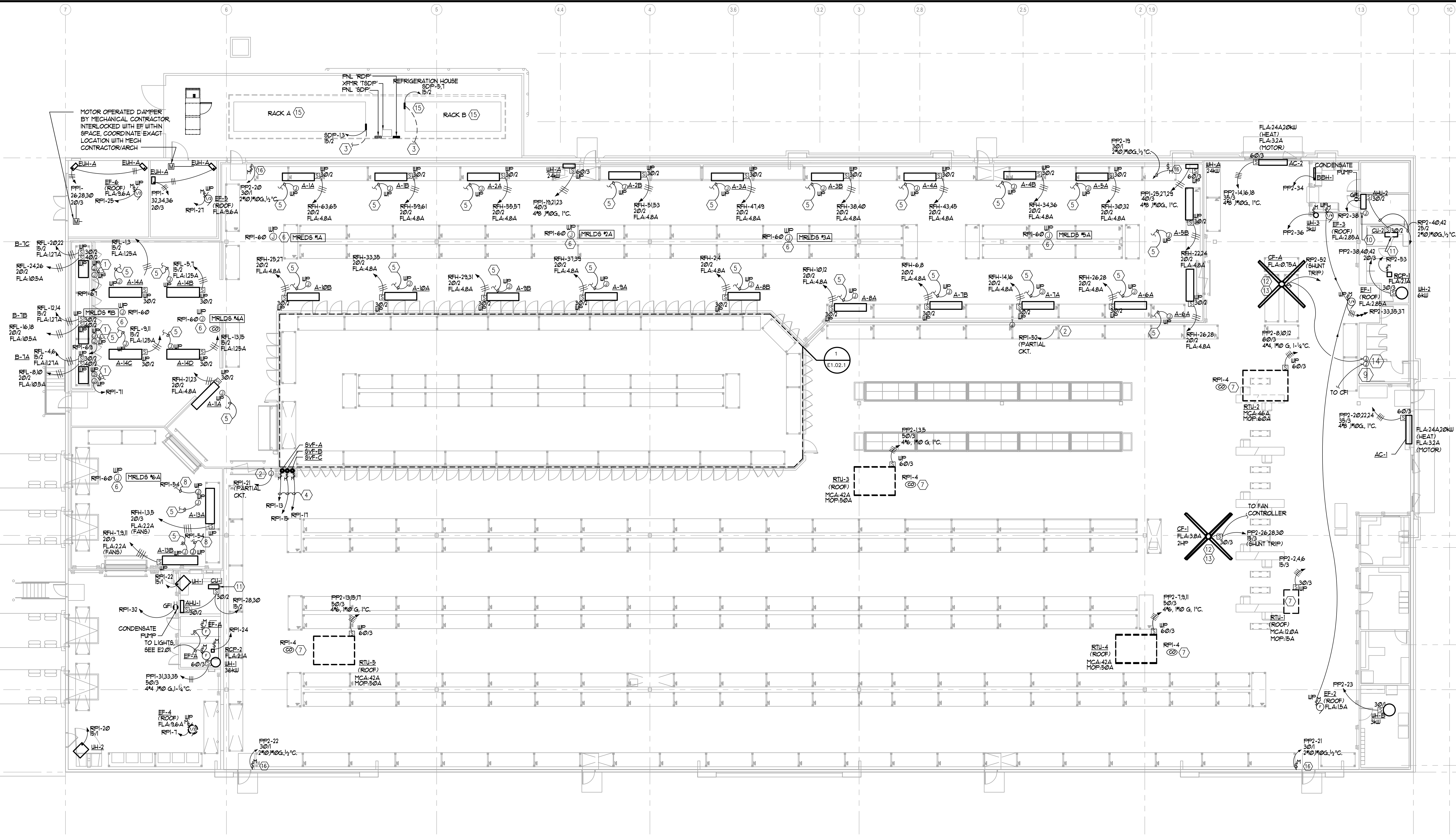




1 FLOOR PLAN - HVAC CONNECTIONS - ELECTRICAL
E1.02 3/32"-1'-0"

GENERAL NOTES

1. ALL DEVICES SHALL BE CONSIDERED NEW UNLESS NOTED OTHERWISE.
2. COORDINATE ALL DEVICE LOCATIONS WITH THE ARCHITECT, OWNERS REPRESENTATIVE AND EQUIPMENT.
3. COORDINATE ALL EQUIPMENT EXACT LOCATIONS AND MOUNTING HEIGHTS WITH OWNERS REPRESENTATIVE, EQUIPMENT INSTALLER, AND ARCHITECT PRIOR TO ROUGH-IN.
4. PROVIDE FINAL CONNECTIONS TO ALL EQUIPMENT. COORDINATE ELECTRICAL CONNECTION REQUIREMENTS, PROVIDE NEMA RECEPTACLES TO MATCH CORD & PLUG EQUIPMENT, PROVIDE DISCONNECTS FOR ALL HARDWIRED EQUIPMENT.
5. PROVIDE WATERPROOF DEVICES, CONNECTIONS, ETC. IN AREAS SUBJECT TO SPRAY DURING CLEANING (COOLERS, FREEZERS, ETC.)
6. TEMP SENSOR PIPE TO BE SEALED TO AVOID COLD AIR AND FALSE READINGS.
7. RACEWAYS EXPOSED TO DIFFERENT TEMPERATURES SHALL BE SEALED PER NC 300.7.
8. COORDINATE ALL ELECTRICAL REQUIREMENTS OF THE REFRIGERATION EQUIPMENT WITH THE REFRIGERATION EQUIPMENT INSTALLER PRIOR TO ROUGH-IN. COORDINATE ALL CONTROLS/EMS AND PROVIDE ANY ADDITIONAL ELECTRICAL DEVICES AS REQUIRED FOR A COMPLETE WORKING SYSTEM.
9. COORDINATE ALL CONDUIT ENTRY/EXIT POINTS IN FREEZER/COOLER WITH EQUIPMENT INSTALLER AND OWNERS REPRESENTATIVE PRIOR TO INSTALL.
10. PROVIDE AND INSTALL ALL CONDUIT AND WIRE REQUIRED BY THE CONTROLS VENDOR. COORDINATE WITH CONTROLS VENDOR.
11. COOLER AND FREEZER AREAS ARE CONSIDERED DAMP LOCATIONS BY THE NEC. EMS CONTROLS DO NOT REQUIRE WEATHERPROOF DEVICES, CONNECTIONS, ETC.

LEGEND NOTES

1. PROVIDE 2 SETS OF 2#12, 1#12 GROUND, CONDUCTORS IN CONDUIT FROM TERMINAL STRIP IN CONTACTOR PANEL LOCATED IN THE MAIN ELECTRICAL ROOM TO THE EVAPORATOR TERMINAL STRIP. EG TO PROVIDE CIRCUITRY AND COMMON FROM TERMINAL STRIP AT CONTACTOR PANEL TO FAN AND HEATER LIMIT SWITCH POINTS AT EVAPORATOR TERMINAL BOARD. REFER TO EVAP CONTROL WIRING DETAILS ON E1.02 AND MANUFACTURERS INSTALLATION REQUIREMENTS.
2. PROVIDE POWER FOR PRE-INSTALLED TEMPERATURE READ-OUTS LOCATED RECESSED INSIDE PANEL OF DOOR. COORDINATE EXACT LOCATION AND CONNECTION POINT AT TOP OF FREEZER/COOLER WITH FREEZER/COOLER INSTALLER AND ARCHITECTURAL DETAILS. COORDINATE CONNECTION OF LOW VOLTAGE TRANSFORMER AND READ-OUT. COORDINATE EXACT LOCATION AND QUANTITY WITH FREEZER COOLER INSTALLER. PROVIDE 3" EMPTY CONDUIT TO 7" ABOVE CEILING PANEL. PROVIDE ADDITIONAL JUNCTION BOX IF REQUIRED.
3. PROVIDE TWO (2) 1" CONDUITS WITH PULLSTRING FROM REFRIGERATION RACK CONTROL CABINET TO BK CONTROLLER LOCATED IN THE MAIN ELECTRICAL ROOM. COORDINATE WITH EQUIPMENT AND EMS VENDOR.
4. FANS ARE INDIVIDUALLY CONTROLLED THROUGH CONTACTORS LOCATED IN THE MAIN ELECTRICAL ROOM. EACH FAN REQUIRES ITS OWN POWER SOURCE FROM CONTACTOR CABINET. SEE MECHANICAL CONTRACTOR SCHEDULE ON SHEET E0.01.
5. PROVIDE 2#12, 1#12 GROUND, 3/4" CONDUIT TO OUTPUT POINTS REM CONTROL PANEL LOCATED IN MAIN ELECTRICAL ROOM. COORDINATE WITH CONTROLS VENDOR FOR TERMINATION AND ROUTING. REFER TO MANUFACTURERS WIRING DETAILS.
6. COORDINATE MRLDS (LEAK DETECTOR) LOCATION AND MOUNTING WITH REFRIGERATION EQUIPMENT CONTROLS CONTRACTOR. PROVIDE LOW VOLTAGE CABLE CONNECTING MRLDS AS REQUIRED. PROVIDE WEATHERPROOF JUNCTION BOX AND 120 VOLT CONNECTION AND CLASS 2, 24V LOW POWER SUPPLY. ONE 24VAC, 10VA CLASS 2 TRANSFORMER CAN POWER UP TO THREE (3) MRLDS UNITS. REFER TO MANUFACTURERS WIRING INSTRUCTIONS.
7. COORDINATE CO2 SENSOR 120 VOLT ELECTRICAL CONNECTION WITH THE MECHANICAL CONTRACTOR. CO2 SENSOR PROVIDED BY MECHANICAL CONTRACTOR.
8. REFRIGERATION EQUIPMENT SUCTION STOP, PROVIDE 2#12, 1#12 GROUND, 3/4" CONDUIT TO OUTPUT POINTS REM CONTROL PANEL LOCATED IN MAIN ELECTRICAL ROOM. COORDINATE WITH CONTROLS VENDOR FOR TERMINATION AND ROUTING. REFER TO MANUFACTURERS WIRING DETAILS. PROVIDE 120 VOLT CONNECTION AS SHOWN.
9. PROVIDE ONE (1) JUNCTION BOX WITH 1/2" EMPTY CONDUIT TO ABOVE ACCESSIBLE CEILING FOR LEAK ALARM BUZZER, LIGHT AND OVERIDE. COORDINATE EXACT LOCATION AND MOUNTING WITH EQUIPMENT SUPPLIER AND ARCHITECT PRIOR TO ROUGH-IN.
10. COORDINATE THERMOSTAT ELECTRICAL REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE JUNCTION BOX AND 120 VOLT CONNECTION IF LINE VOLTAGE THERMOSTAT, PROVIDED BY OTHERS, FOR EXHAUST FAN.
11. CONDENSING UNIT MOUNTED ABOVE PLYWOOD CAP.
12. PROVIDE INTERFACE WITH FIRE ALARM SYSTEM TO SHUT OFF FAN UPON ACTIVATION OF FIRE ALARM SYSTEM.
13. REFER TO FAN MANUFACTURERS INSTALLATION/OWNERS MANUAL FOR ADDITIONAL ELECTRICAL INFORMATION & REQUIREMENTS. COORDINATE THE CONTROLLER LOCATION WITH THE MECHANICAL CONTRACTOR.
14. PROVIDE ONE (1) JUNCTION BOX FOR CF-A FAN SPEED CONTROLLER. COORDINATE EXACT LOCATION AND MOUNTING WITH MECHANICAL CONTRACTOR AND ARCHITECT PRIOR TO ROUGH-IN.
15. COORDINATE THE REFRIGERATION HOUSE ELECTRICAL CONNECTION REQUIREMENTS WITH THE REFRIGERATION HOUSE MANUFACTURER AND CONTRACTOR. PROVIDE ALL REQUIRED CONDUIT, WIRE, CONNECTIONS, ETC. PROVIDE CONNECTION TO LIGHTS, FANS, INTAKE FLOWERS, HEATERS, RECEPTACLES, CONTROLS PANEL, ETC. THAT ARE PROVIDED WITH THE REFRIGERATION HOUSE FROM THE ELECTRICAL PANELS PROVIDED WITH THE HOUSE.
16. HEAT TRACE FOR STORM AND OVERFLOW PIPING. COORDINATE EXACT LOCATION AND ELECTRICAL CONNECTION REQUIREMENTS WITH THE PLUMBING/MECHANICAL CONTRACTOR.



KLS
ARCHITECT

17710 Depert Avenue, Lakewood, Ohio 44107
Phone (216) 521-5134 • Fax (216) 521-4824 • www.klsarchitects.com

Restaurant Depot / BREWSTER, NY

DANBURY ROAD (LOT 48) BLOCK 0002

BREWSTER, NY 10509

REVISIONS

#	DATE	TYPE
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

**FLOOR PLAN -
HVAC -
ELECTRICAL**

DATE: 9/10/2020

JOB NO. 19230

E1.02

SHEET NO.