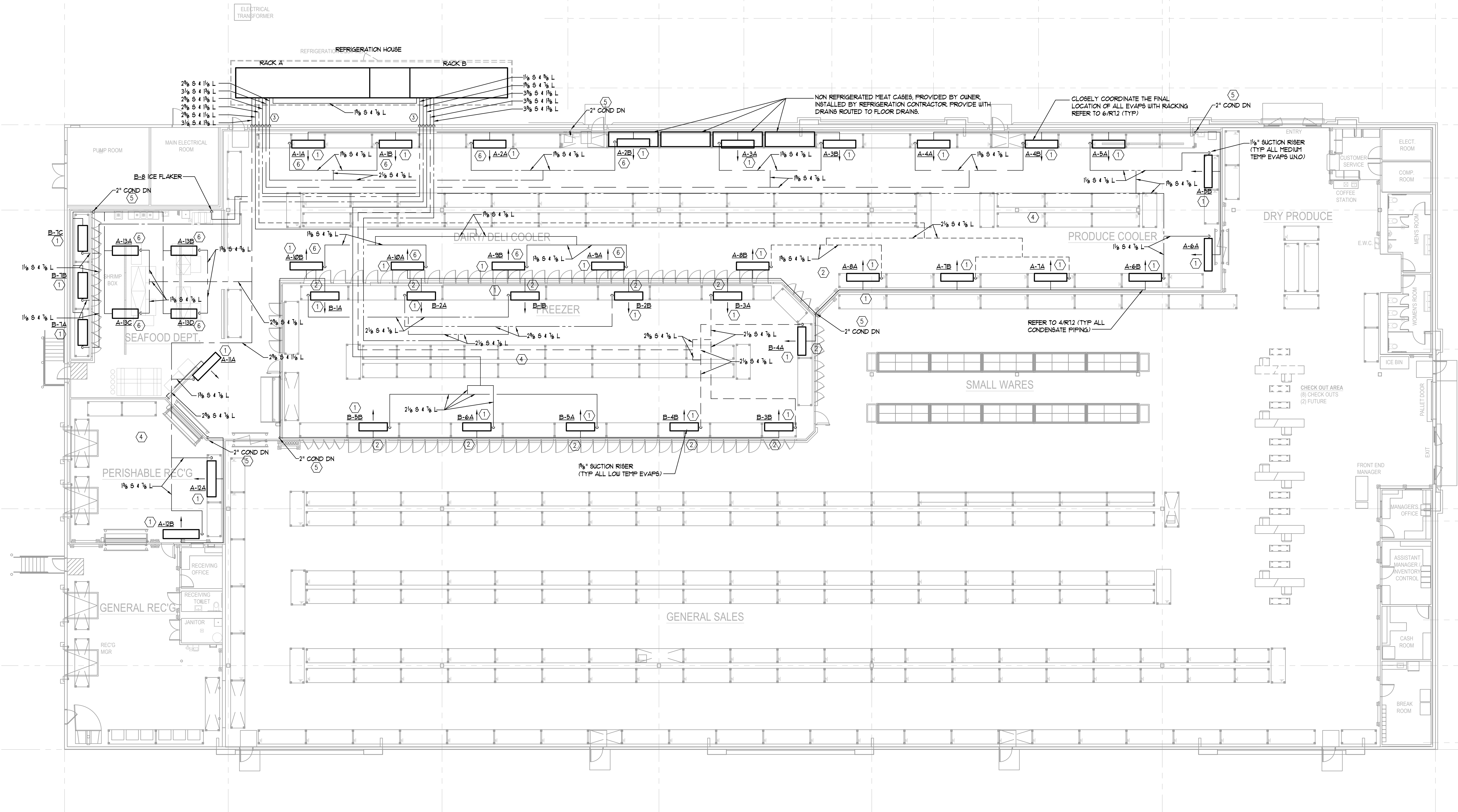
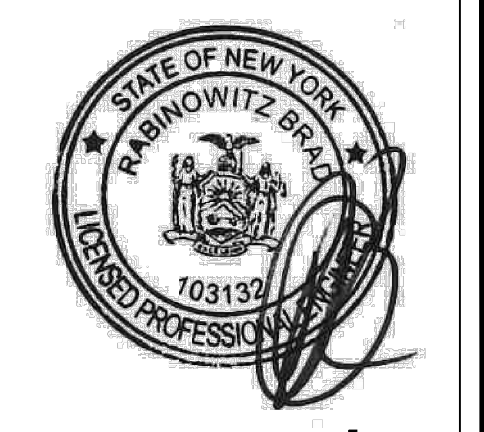




1 FLOOR PLAN — REFRIGERATION
R1.1 3/32" = 1'-0"

- GENERAL NOTES**
(APPLIES TO ALL SHEETS)
1. MOUNT THE REFRIGERATION PIPING AS CLOSE TO THE BAR JOISTS AS POSSIBLE WHILE MAINTAINING THE PROPER SLOPE BACK TO THE COMPRESSOR RACKS.
 2. SUCTION P-TRAPS SHALL BE THE SAME SIZE AS THE HORIZONTAL RUNS TO THE COILS. REDUCE PIPE SIZE AT THE TOP OF THE P-TRAP.
 3. PROVIDE FULL PORT BALL VALVES ON ALL REFRIGERANT BRANCHES AND CIRCUITS PRIOR TO CONTROL VALVES TO ISOLATE EACH REFRIGERATION CIRCUIT.
 4. REFRIGERANT PIPING SHALL BE REFRIGERATION GRADE TYPE L. FITTINGS SHALL BE WROUGHT COPPER AND ALL ELBOWS SHALL BE LONG RADIUS TYPE.
 5. ALL EXTERIOR SUCTION LINES SHALL BE PROVIDED WITH 1.5" THICK CLOSED CELL INSULATION. ALL INTERIOR SUCTION LINES SHALL BE PROVIDED WITH 1" INSULATION. ARMAFLEX OR APPROVED EQUAL. PROVIDE ALL EXTERIOR PIPING WITH INSULATION AROUND ALL PIPE SUPPORTS AND A PVC JACKET.
 6. ALL EXTERIOR LIQUID LINES SHALL BE PROVIDED WITH 1" THICK CLOSED CELL INSULATION. ALL INTERIOR LOW TEMP SUBCOOLED LIQUID LINES SHALL BE PROVIDED WITH 3" INSULATION. THE INTERIOR MEDIUM TEMP NON-SUBCOOLED LIQUID LINES SHALL BE INSULATED FROM THE EVAP TO THE SOLIDIFYING VALVE WITH 3" INSULATION. INSULATION SHALL BE ARMAFLEX OR APPROVED EQUAL. PROVIDE ALL EXTERIOR PIPING WITH INSULATION AROUND ALL PIPE SUPPORTS AND A PVC JACKET.
 7. ALL HORIZONTAL RUNS OF REFRIGERANT PIPING SHALL BE SLOPED BACK TO THE COMPRESSORS. REFER TO 1/R7.1 FOR SLOPE.
 8. PROVIDE ALL REFRIGERATION EMERGENCY SIGNAGE IN ACCORDANCE WITH THE FIRE AND MECHANICAL CODES.
 9. AUDIO/VISUAL ALARMS FOR REFRIGERATION SHALL BE FEDERAL SIGNAL LPT-18-30A.
 10. ALL PIPINGS, FITTINGS, TEE'S ETC. SHALL BE FACTORY FABRICATED. FIELD FABRICATED OR FILLED TEES SHALL NOT BE USED. "SWEAT-NUT" SHALL NOT BE USED.
 11. ALL CONTROLS SHALL BE INSTALLED BY A RESTAURANT DEPOT APPROVED CONTROLS CONTRACTOR.
 12. CONTRACTOR SHALL PROVIDE OIL AND FILTER CHANGES 3 TO 4 WEEKS AFTER START UP. FILTER CHANGE SHALL INCLUDE ALL OIL FILTERS, SUCTION FILTERS, AND LIQUID LINE DRYERS.
- KEY NOTES**
(APPLIES THIS SHEET ONLY)
- ① COORDINATE THE LOCATION OF THE REFRIGERATION EQUIPMENT WITH THE RACKING MANUFACTURER. MAINTAIN ALL REQUIRED CLEARANCES. FACE OF THE COIL SHALL NOT EXTEND BEYOND RACKING.
 - ② HEAT TRACE ALL CONDENSATE PIPING IN THE FREEZER. COORDINATE WITH ELECTRICAL. PROVIDE INDICATOR LIGHT ON EXTERIOR OF FREEZER WALL TO INDICATE THAT THE HEAT TRACE IS WORKING. REFER TO 3/R7.2.
 - ③ ALL EXTERIOR PIPING SHALL BE ROUTED HIGH TO ALLOW ACCESS UNDERNEATH. PROVIDED ELEVATED PIPE SUPPORTS. REFER TO 2/R7.1.
 - ④ PROVIDE THE REFRIGERATOR AND FREEZER WITH A REFRIGERANT LEAK DETECTION SYSTEM WITH AUDIO/VISUAL ALARMS TO ALARM UPON THE DETECTION OF A REFRIGERANT LEAK.
 - ⑤ ROUTE CONDENSATE DOWN TO DRAIN. COORDINATE FINAL LOCATION WITH PLUMBING CONTRACTOR.
 - ⑥ PROVIDE EVAP WITH BRONZE GLOW FIN CORROSION PROTECTION.



KLS
ARCHITECT

Restaurant Depot / BREWSTER, NY
DANBURY ROAD (LOT 48) BLOCK 0002
BREWSTER NY 10509

REVISIONS									
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FLOOR PLAN - REFRIGERATION

DATE: 9/10/2020
JOB NO. 19230

R1.1
SHEET NO.