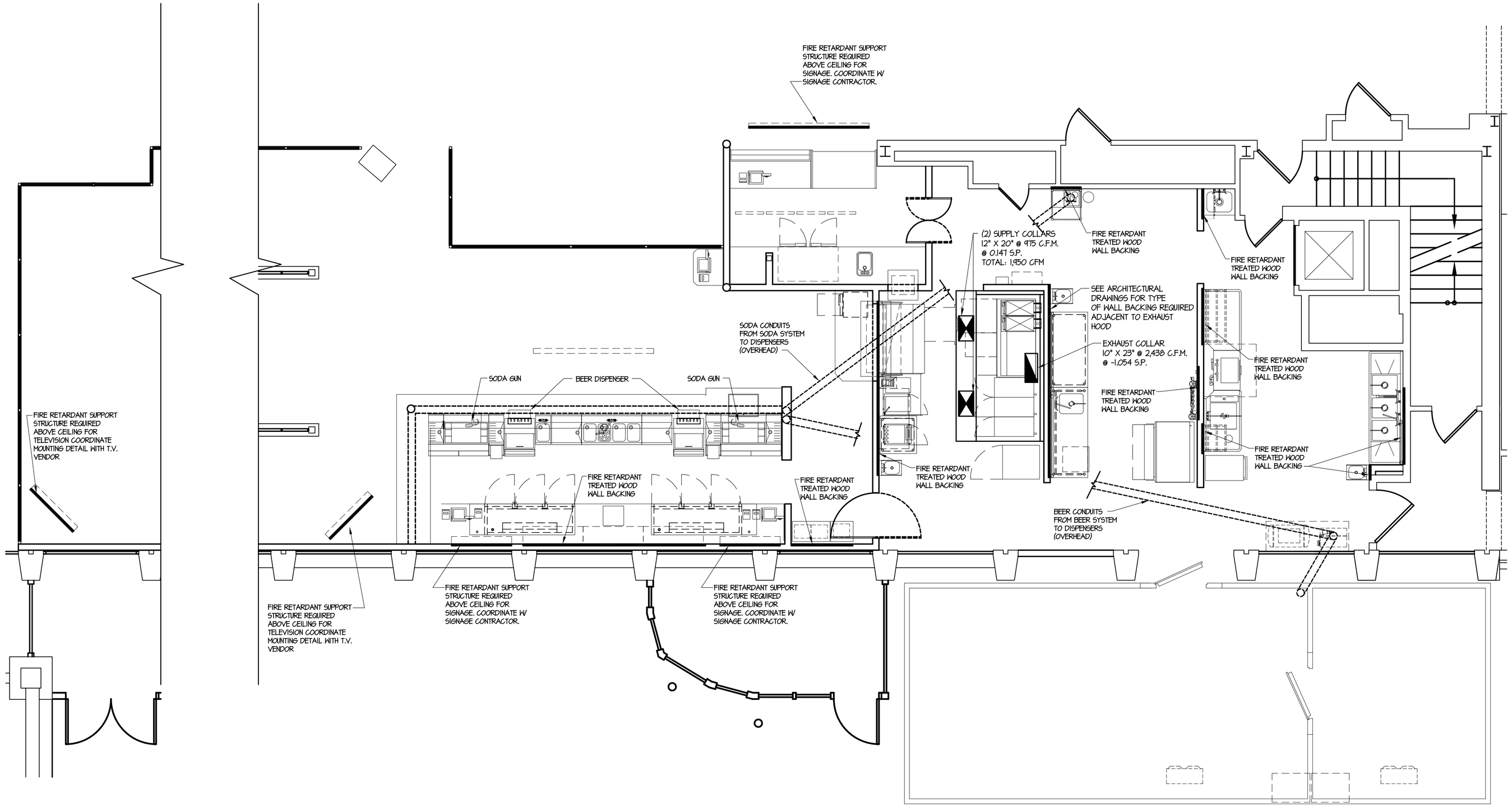
CONDITIONS NOTES

1. ALLOW A MINIMUM OF 2" CLEARANCE BETWEEN WALK-IN AND BUILDING WALLS.
2. BUILDING FLOORS MUST BE TRANSIT LEVEL. THE AREA IN WHICH THE WALK-IN IS SET MUST BE SQUARE TO ALLOW THE 1" CLEARANCE.
3. IF SHIMMING OF THE FLOOR PANELS IS REQUIRED, THE WALK-IN FLOOR MUST BE LEVELED FROM THE HIGHEST POINT. SHIMS MUST EXTEND UNDER THE ENTIRE SECTION AND MUST BE USED AT THE EDGES AND THE FLOOR SEAMS SHIMS MUST NOT EXCEED 12" ON CENTERS.
4. IF THE WALK-IN FLOOR PANELS ARE TO BE SET IN A RECESSED SLAB, SAND MAY BE USED TO SHIM THE FLOOR TO THE APPROPRIATE HEIGHT. USE 500 MIL POLYETHYLENE BETWEEN THE SAND AND THE WALK-IN FLOOR. OVERLAP A MINIMUM OF 6" AT THE EDGES.
5. IF FLOOR PANELS ARE PLACED DIRECTLY ON THE CONCRETE BUILDING FLOOR, USE A LAYER OF 50LB. ASPHALT PAPER BETWEEN THE BUILDING FLOOR AND FLOOR PANELS.
6. IF CONCRETE OR QUARRY TILE IS TO BE INSTALLED AFTER THE ERECTION OF THE WALK-IN, DOORS ARE TO REMAIN OPEN UNTIL CONCRETE OR GROUT HAVE CURED. WALL PANELS ARE TO BE PROTECTED BY 5 MIL POLYETHYLENE TAPED TO THE WALLS.
7. IN FREEZER COMPARTMENTS, ALL CEILING, WALL, AND FLOOR PANELS ARE TO BE SEALED WITH NSF LISTED, USDA APPROVED SEALANT SUCH AS DOW CORNING RTV 732 OR EQUAL, CLEAR OR ALUMINUM. SEAL ALL JOINTS PRIOR TO REFRIGERATION START-UP.
8. DO NOT ENERGIZE DOOR PANEL UNTIL REFRIGERATION IS OPERATIONAL.
9. IF LOCAL CODE PERMITS, USE UL LISTED PVC CONDUIT FOR ELECTRICAL CONNECTIONS.
10. ALL PENETRATIONS THROUGH THE WALK-IN PANELS MUST BE MADE A MINIMUM OF 6" AWAY FROM THE LOCKING DEVICES. VERIFY WITH THE SPECIFIC MANUFACTURER'S DIRECTIONS.
11. CONDENSING UNITS LOCATED OUTDOORS TO INCLUDE LOW AMBIENT CONTROLS, WEATHER HOUSING, AND WELDED S/S RACK.
12. ALL PENETRATIONS FOR CONDUIT, PIPING, LIGHT FIXTURES ETC. ARE TO BE SEALED AIRTIGHT.
13. CONDENSING UNITS TO BE SET LEVEL AND ANCHORED. CONDENSER SHOULD BE NO CLOSER THAN 18" TO ANY OBSTRUCTION. DO NOT RESTRICT THE AIR-IN SIDE OR AIR-OUT SIDE; MULTIPLE UNITS SHOULD BE LOCATED SO DISCHARGED AIR FROM ONE UNIT IS NOT DIRECTED INTO THE INTAKE SIDE OF ANOTHER UNIT. UNITS LOCATED INDOORS MUST HAVE AN ADEQUATE SUPPLY OF AIR AND A MEANS OF EXHAUST TO PREVENT HEAT BUILD-UP.
14. MOUNT COILS LEVEL. WHERE POSSIBLE, THE AIR-IN SIDE SHOULD BE MINIMUM OF 12" FROM THE STRUCTURE WALL. COIL IS TO BE MOUNTED FACING EXTERIOR DOOR AND AIR DISCHARGE SIDE SHOULD NOT BE DIRECTED TOWARD INTERIOR PARTITION FREEZER DOORS. MOUNT COILS USING 3/8" NYLON ALL-THREAD RODS, NUTS, AND WASHERS. SILICONE SEAL PENETRATIONS FOR ALL-THREAD.
15. FEC TO PROVIDE REFRIGERATION PIPING. PIPING INDICATED ON THIS DRAWING IS SCHEMATIC ONLY. FEC TO VERIFY FILED CONDITIONS AND COORDINATE WITH OTHER TRADES.
16. PIPING TO BE REFRIGERATION GRADE, COPPER TYPE "K" OR "L". SOLDERED JOINT TO BE MADE USING ONLY SILVER BEARING HARD SOLDER. DURING BRAZING OPERATIONS, A SMALL AMOUNT OF NITROGEN SHOULD BE BLED INTO THE PIPING. KEEP ALL TUBING FREE OF METAL CHIPS, FOREIGN MATTER, AND MOISTURE DURING INSTALLATION.
17. SUCTION LINE PIPING TO BE INSTALLED WITH 1/2" PER 10' SLOPE TOWARD THE COMPRESSOR. WHEN THE CONDENSER IS LOCATED ABOVE THE COIL, INSTALL AN OIL TRAP IN THE SUCTION LINE BEFORE THE FIRST RISER. ADDITIONAL OIL TRAPS SHOULD BE INSTALLED FOR EACH 20' OF RISE OR PER THE MANUFACTURER'S RECOMMENDATIONS. INSULATE SUCTION LINES WITH A MINIMUM OF 2" THICK TUBE INSULATION SUCH AS RUBATEX OR ARMAFLEX.
18. THE LIQUID LINE IS TO BE INSTALLED IN SUCH A MANNER AS TO AVOID EXCESSIVE PRESSURE DROPS. LIQUID LINE SOLENOID VALVE TO BE INSTALLED AHEAD OF THE EXPANSION VALVE.
19. THE ENTIRE SYSTEM IS TO BE LEAK TESTED AND EVACUATED PER LOCAL CODES AND THE MANUFACTURER'S RECOMMENDATIONS.
20. EVAPORATOR COIL DRAIN TO BE PIPED WITH TYPE "L" COPPER PIPE. DRAIN LINE TO BE PITCHED 4" PER FOOT. "P" TRAP TO BE INSTALLED ON THE EXTERIOR OF THE STRUCTURE. FREEZER DRAIN LINE TO BE WRAPPED WITH DRAIN LINE HEATER OF A MINIMUM OF 80 WATTS PER LINEAR FOOT AND INSTALLED WITH A MINIMUM 2" THICK TUBE INSULATION DRAIN LINE HEATER TO BE RATED THE SAME VOLTAGE AS FREEZER EVAPORATOR UNIT.
21. FEC TO PROVIDE AND INSTALL COIL DRAIN PIPING, HEAT TAPE AND INSULATION.
22. FEC TO PROVIDE S/S CLOSURE PANELS AND TRIM AT POINTS WHERE WALK-IN STRUCTURE IS ADJACENT TO WALLS AND CEILING.



1 SPECIAL CONDITIONS PLAN

1/4" = 1'-0"

Shipyard brewery: Portland, ME

Item	Date
Engineering Review	11-05-07
90% Submission	12-03-07

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Scale: As noted

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SPECIAL CONDITIONS PLAN

FS-4.1