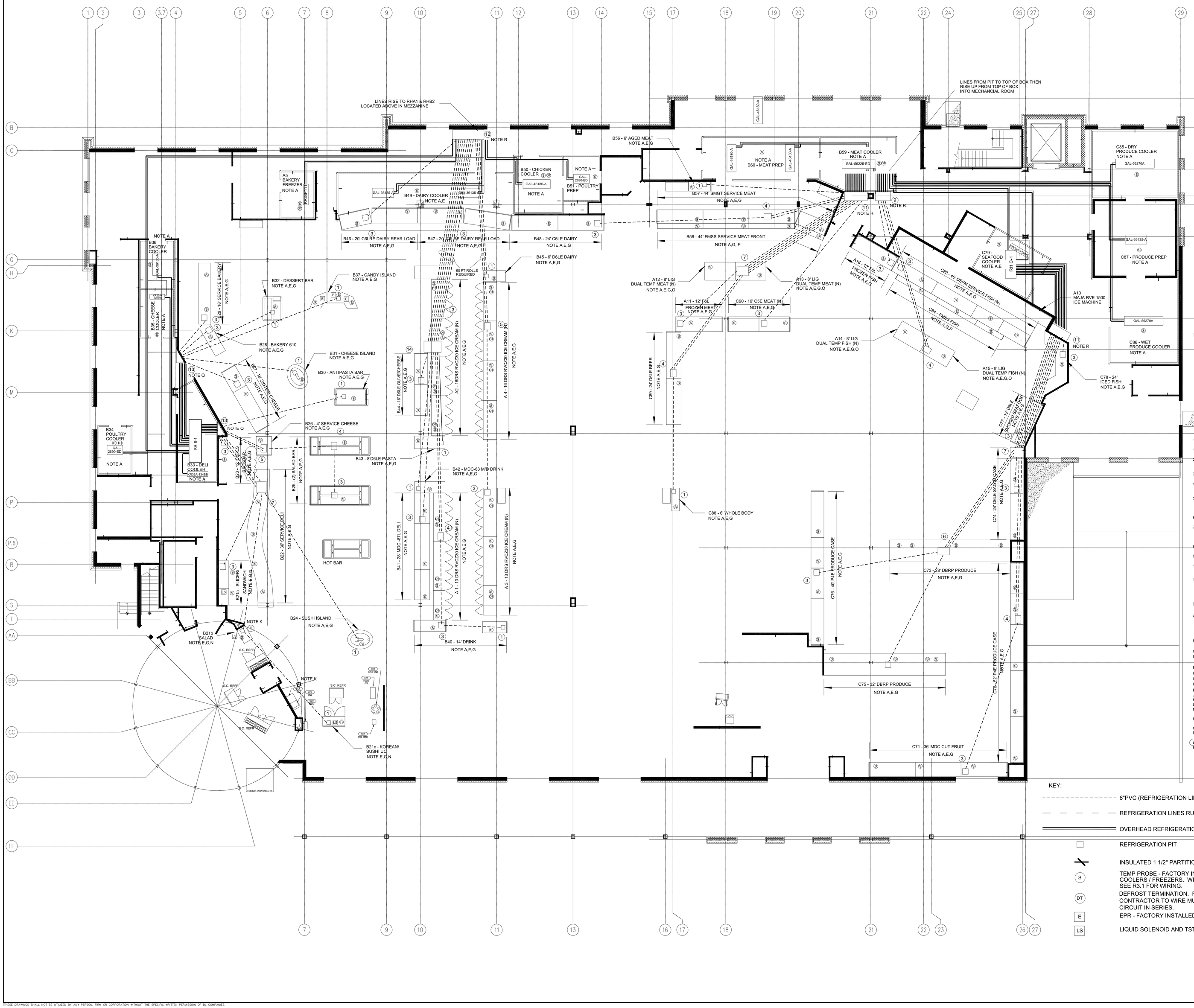

PIT TABLE			
	L	W	D
①	12"	12"	12"
②	18"	12"	16"
③	18"	18"	12"
④	24"	18"	16"
⑤	24"	18"	20"
⑥	36"	24"	20"
⑦	36"	30"	24"
⑧	36"	30"	36"
⑨	48"	30"	36"
⑩	60"	30"	36"
⑪	72"	30"	36"
⑫	98"	30"	36"
⑬	CONFORM TO SPACE AVAILABLE		36"
⑭	54"	36"	24"

PIT NOTES

1. GENERAL CONTRACTOR TO FIELD FABRICATE PITS IN THE SLAB
2. PITS SHALL BE INSTALLED SUCH THAT THEY ARE COMPLETELY UNDER THE CASE. PIT MUST NOT BE VISIBLE ON THE SALES FLOOR. FINAL MEASUREMENTS TO BE COORDINATED WITH GENERAL CONTRACTOR.
3. PLYWOOD COVER PLATES, PROVIDED BY THE GENERAL CONTRACTOR, ARE TO BE USED DURING CONSTRUCTION ON ALL PIT OPENINGS.
4. REFRIGERATION PIT LOCATIONS ARE DIAGRAMMATICAL. REFER TO ARCHITECTURAL-ENGINEERING DRAWINGS FOR DIMENSIONED LOCATIONS. THE ARCHITECT/ ENGINEER IS RESPONSIBLE FOR THE COORDINATION OF REFRIGERATION SYSTEM WITH OTHER MECHANICAL SYSTEMS. VERIFICATION OF REFRIGERATED CASE DIMENSIONS AND CASE LOCATIONS.

GENERAL NOTES

1. FIELD COORDINATE REFRIGERATION EQUIPEMENT, LINE ROUTING AND PENETRATIONS WITH WORK OF OTHER TRADES.
2. REFRIGERATION CONTRACTOR MUST COORDINATE PLACEMENT OF REFRIGERATION PITS AND UNDERGROUND WITH THE GENERAL CONTRACTOR PRIOR TO POURING OF CONCRETE FLOOR.
3. ALL REFRIGERATION RISERS SHALL BE MADE ONLY AT DESIGNATED LOCATIONS
4. MEDIUM TEMP LIQUID LINES RUN OVERHEAD SHALL BE INSULATED. ALL SUCTION LINES AND LOW TEMP LIQUID LINES SHALL BE INSULATED AT ALL LOCATIONS.
5. ALL SUCTION LINES RUNNING OVERHEAD SHALL BE PITCHED AT A RATE OF 1/2" DROP PER 10 FEET OF LINE TOWARDS THE COMPRESSOR ROOM. LOCATE SUCTION TRAP AT BASE OF RISER TO CEILING FOR EACH CASE LINEUP OR EVAPORATOR COIL.
6. LOW PRESSURE BACK-UP CONTROLS SHALL BE SET TO THE SAME PRESSURE SETTING AS THE EMS
7. A SENSOR FOR TEMPERATURE CONTROL SHALL BE LOCATED IN RETURN AIRSTREAM OF EACH WALK-IN OR PREP ROOM. TEMPERATURE SENSORS FOR REFRIGERATED CASES SHALL BE INSTALLED BY THE CASE MANUFACTURER, UNLESS NOTED OTHERWISE.
8. REFRIGERANT LEAK DETECTOR IS PROVIDED BY THE REFRIGERATION CONTRACTOR, WIRED BY THE ELECTRICAL CONTRACTOR. SEE R3.2.
9. REFRIGERATION CONTRACTOR IS RESPONSIBLE FOR PROGRAMMING EMS AND ANY QUESTIONS REGARDING FINAL CONNECTIONS.
10. CASE MISTING SYSTEMS ARE INSTALLED BY OTHERS REFRIGERATION CONTRACTOR TO COORDINATE WITH MISTING SYSTEM INSTALLER.
11. INSTALL VALVE IN LOCATION THAT PROVIDES ACCESSIBILTY FOR ADJUSTMENT AND/OR SERVICE.

KEY NOTES

A. REFRIGERATION CONTRACTOR SHALL FURNISH AND INSTALL A BALL VALVE IN THE LIQUID LINE OF EACH BRANCH CIRCUIT IN THE PIT. FOR OVERHEAD RUNS, INSTALL VALVE ON TOP OF CASE. INSIDE FREEZER OR COOLER. FOR PREP ROOMS INSTALL VALVE AT COIL BELOW CEILING
B. REFRIGERATION LINES TO RUN ON TOP OF CASE, TRAP AND RISE EXPOSED AND RUN OVERHEAD.
C. REFRIGERATION LINES TO TRAP UNDER CASE AND RISE IN WALL.
D. REFRIGERATION LINES TO RUN ON TOP OF CASE, TRAP AND RISE IN WALL.
E. REFRIGERATION LINES TO RUN UNDERGROUND, TRAP AT RISER.
F. ELECTRICAL FEED TO RUN OVERHEAD.
G. ELECTRICAL FEED TO RUN UNDERGROUND.
H. REFRIGERATION RISERS RUN AT COLUMN . SEE R301, DETAIL 12.
I. REFRIGERATION RISERS RUN EXPOSED - PAINTED BY GC.
J. RISERS RUN EXPOSED IN BACK ROOM. RISERS ARE NOT PAINTED.
K. DEPRESS FOOTING FOR UNDERGROUND LINES.
L. LIQUID LINES RUN TO ROOF-MOUNTED RECEIVER.
M. INSTALL 3/8" CHARGING LINE FROM THIS LOCATION TO RECEIVER WITH CHARGING VALVES AT EACH END.
N. REFRIGERATION CONTRACTOR SHALL FURNISH AND INSTALL A BALL VALVE IN THE SUCTION AND LIQUID LINE OF EACH CASE.
O. LOCATE CASE WITH GLASS SIDE TOWARD FRONT OF STORE.
P. REFRIGERATION LINES TO RUN UNDER SERVICE CASE TO PIT, RUN UNDERGROUND, TRAP AT RISER AND RUN OVERHEAD.
Q. G.C TO ENCLOSE PIT AND RISER AND PROVIDE ACCESS PANEL.
R. G.C TO PROVIDE STAINLESS STEEL COVER FOR EXPOSED AREA OF PIT

KEY:

- 6"PVC (REFRIGERATION LINE CONDUIT)
- REFRIGERATION LINES RUN ALONG FLOOR OR ON TOP OF CASES.
- OVERHEAD REFRIGERATION LINES
- REFRIGERATION PIT
- INSULATED 1 1/2" PARTITION BETWEEN CIRCUITS
- (S) TEMP PROBE - FACTORY INSTALLED IN CASE. FIELD INSTALLED IN COOLERS / FREEZERS. WIRING BY ELECTRICAL CONTRACTOR SEE R3.1 FOR WIRING.
- (DT) DEFROST TERMINATION. FACTORY INSTALLED. ELECTRICAL CONTRACTOR TO WIRE MULTIPLE TERMINATIONS FOR CIRCUIT IN SERIES.
- E EPR - FACTORY INSTALLED IN CASE
- LS LIQUID SOLENOID AND TSTAT - FACTORY INSTALLED

INSTALLING CONTRACTOR
TBD

SCALE 1/8"= 1'-0"

VISION ENGINEERING
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WHOLE FOODS MARKET

ISSUED FOR CONSTRUCTION

PROPOSED GROCERY STORE
2 SOMERSET STREET
PORTLAND, CUMBERLAND COUNTY, MAINE

No.	Date	Desc.

REVISIONS No.	Date	Desc.

ARCHITECT/ENGINEER SEAL

Designed	LJR
Drawn	RJR
Checked	
Approved	
Scale	AS NOTED
Project No.	04C0829
Date	04-24-06
CAD File	

Title
REFRIGERATION PLAN

Sheet No.
R1.1