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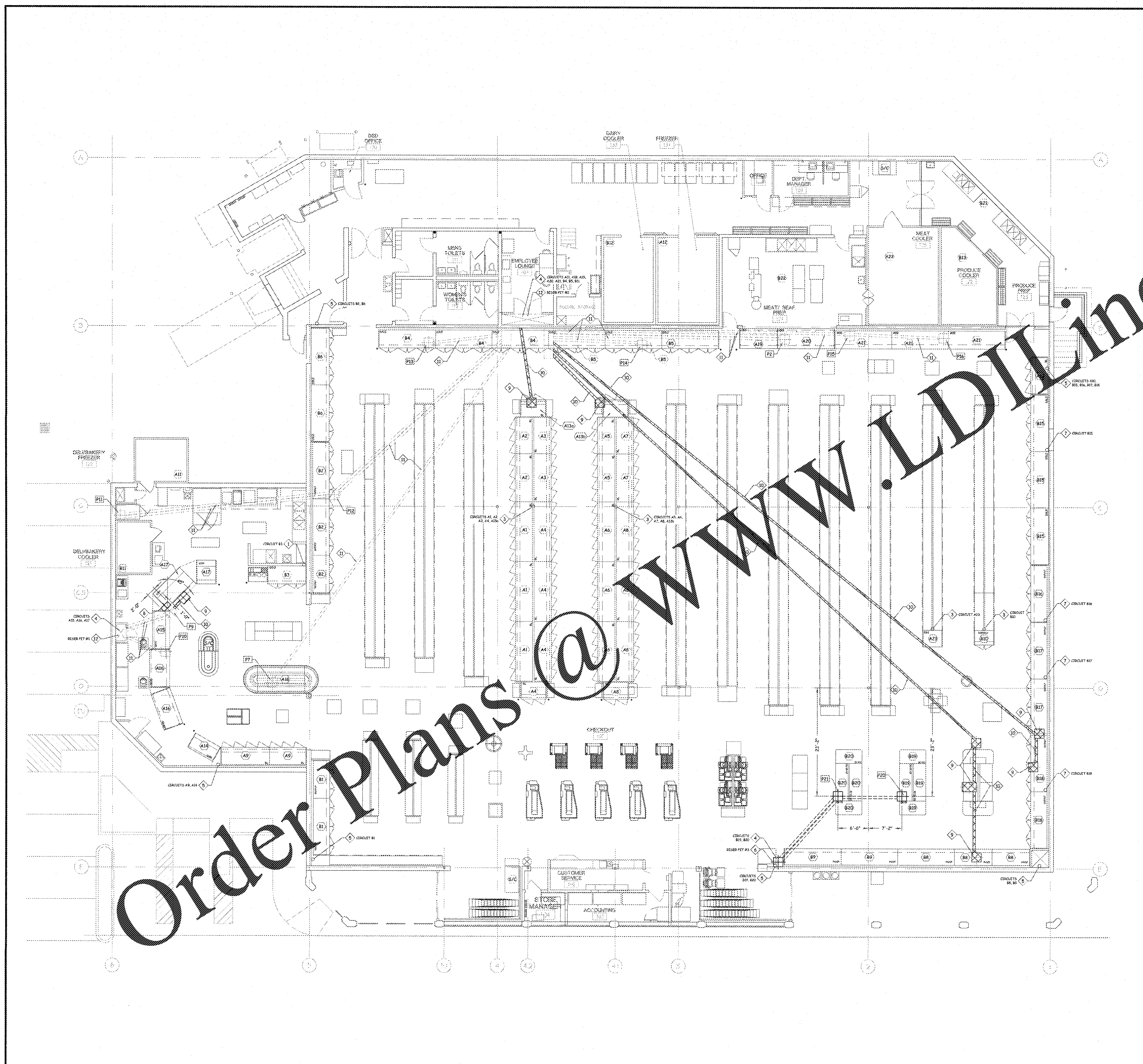

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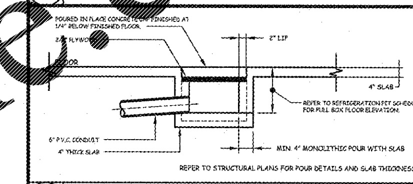
1 REFRIGERATION TRENCHING PLAN

SCALE: 3/32" = 1'-0"

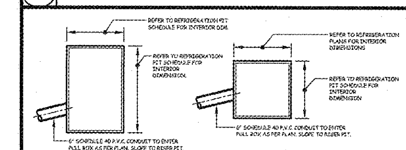
PULL BOX #	SIZE (HORT. x VERT.)	PVC BOTTOM ELEVATION	PULL BOX FLOOR ELEVATION
P2	2'-0" x 2'-0"	FIELD VERIFY	FIELD VERIFY
P7	2'-0" x 2'-0"	FIELD VERIFY	FIELD VERIFY
P9	2'-0" x 3'-0"	FIELD VERIFY	FIELD VERIFY
P10	2'-0" x 2'-0"	FIELD VERIFY	FIELD VERIFY
P11	2'-0" x 2'-0"	FIELD VERIFY	FIELD VERIFY
P12	2'-0" x 2'-0"	FIELD VERIFY	FIELD VERIFY
P13	2'-0" x 2'-0"	FIELD VERIFY	FIELD VERIFY
P14	2'-0" x 2'-0"	FIELD VERIFY	FIELD VERIFY
P15	2'-0" x 2'-0"	FIELD VERIFY	FIELD VERIFY
P16	2'-0" x 2'-0"	FIELD VERIFY	FIELD VERIFY
P20	2'-0" x 2'-0"	-(1'-1")	-(1'-1")
P21	2'-0" x 2'-0"	-(1'-2")	-(1'-2")
RISER PIT #1	FIELD VERIFY	FIELD VERIFY	FIELD VERIFY
RISER PIT #2	FIELD VERIFY	FIELD VERIFY	FIELD VERIFY
RISER PIT #3	2'-0" x 2'-0"	-(1'-3")	-(2'-0")

GENERAL NOTES:
1. FINISHED FLOOR ELEVATION = 0'-0".

2 PULL BOX / RISER PIT SCHEDULE



3 TYPICAL PULL BOX SECTION



4 TYPICAL PULL BOX DETAIL

1. DIRECT EXPANSION REFRIGERATION PIPING SHALL DROP DOWN IN WALL FROM OVERHEAD. GENERAL CONTRACTOR SHALL PROTECT LINES AS REQUIRED AND PAINT ALL EXPOSED LINES TO MATCH STORE DECOR. REFRIGERATION INSTALLATION CONTRACTOR SHALL SUPPORT ALL LINES AS REQUIRED. COORDINATE EXACT LOCATION OF DROPS IN FIELD WITH HARRIS TEETER PROJECT MANAGER PRIOR TO ROUGH-IN. COORDINATE WITH DECOR INSTALLATION.
2. DIRECT EXPANSION REFRIGERATION PIPING SHALL DROP DOWN FROM OVERHEAD. GENERAL CONTRACTOR SHALL PROTECT LINES AS REQUIRED AND PAINT TO MATCH STORE DECOR. REFRIGERATION INSTALLATION CONTRACTOR SHALL WRAP LINES WITH STAINLESS STEEL BELOW DROP CEILING AND SUPPORT ALL LINES AS REQUIRED. COORDINATE EXACT LOCATION OF DROPS IN FIELD WITH HARRIS TEETER PROJECT MANAGER PRIOR TO ROUGH-IN. COORDINATE WITH DECOR INSTALLATION.
3. DIRECT EXPANSION REFRIGERATION PIPING SHALL DROP DOWN FROM OVERHEAD. GENERAL CONTRACTOR SHALL PROTECT LINES AS REQUIRED AND PAINT TO MATCH STORE DECOR. REFRIGERATION INSTALLATION CONTRACTOR SHALL SUPPORT ALL LINES AS REQUIRED. COORDINATE EXACT LOCATION OF DROPS IN FIELD WITH HARRIS TEETER PROJECT MANAGER PRIOR TO ROUGH-IN. COORDINATE WITH DECOR INSTALLATION.
4. DIRECT EXPANSION REFRIGERATION PIPING SHALL DROP DOWN IN RISER PIT FROM OVERHEAD. GENERAL CONTRACTOR SHALL PROTECT LINES AS REQUIRED AND PAINT ALL EXPOSED LINES TO MATCH STORE DECOR. REFRIGERATION INSTALLATION CONTRACTOR SHALL SUPPORT LINES AS REQUIRED. COORDINATE EXACT LOCATION OF DROPS IN FIELD WITH HARRIS TEETER PROJECT MANAGER PRIOR TO ROUGH-IN.
5. DIRECT EXPANSION REFRIGERATION PIPING SHALL DROP DOWN SUPPORTED TO WALL / COLUMN FROM OVERHEAD. GENERAL CONTRACTOR SHALL PROTECT LINES AS REQUIRED AND PAINT ALL EXPOSED LINES TO MATCH STORE DECOR. REFRIGERATION INSTALLATION CONTRACTOR SHALL SUPPORT ALL LINES AS REQUIRED. COORDINATE EXACT LOCATION OF DROPS IN FIELD WITH HARRIS TEETER PROJECT MANAGER PRIOR TO ROUGH-IN. COORDINATE WITH DECOR INSTALLATION.
6. RISER PIT WITH POURED IN PLACE CONCRETE CAP TO BE FURNISHED BY THE GENERAL CONTRACTOR. REFRIGERATION INSTALLATION CONTRACTOR SHALL SUPPORT AND PROTECT LINES AS REQUIRED.
7. DIRECT EXPANSION REFRIGERATION PIPING ON TOP OF REFRIGERATED CASES TO DROP ON REAR OF CASES / INSIDE CASE PLENUM TO INTERIOR PIPED CASE CONNECTIONS. GENERAL CONTRACTOR SHALL PROTECT LINES AS REQUIRED AND PAINT TO MATCH STORE DECOR. REFRIGERATION INSTALLATION CONTRACTOR SHALL SUPPORT ALL LINES AS REQUIRED. COORDINATE EXACT LOCATION OF PIPING IN FIELD WITH HARRIS TEETER PROJECT MANAGER PRIOR TO ROUGH-IN. COORDINATE WITH DECOR INSTALLATION.
8. NEW REFRIGERATION PULL BOX AND / OR TRENCHING TO TIE INTO EXISTING UNDERGROUND SYSTEM AS INDICATED. INVERTS TO BE DETERMINED IN FIELD BASED UPON EXISTING CONDITIONS. EXACT LOCATION TO BE COORDINATED IN FIELD WITH ALL EXISTING UNDERGROUND CONDITIONS. COORDINATION BY REFRIGERATION INSTALLATION CONTRACTOR.
9. EXISTING PULL BOX / RISER PIT TO BE ABANDONED. INFILL PULL BOX / RISER PIT WITH STONE AND CAP WITH CONCRETE AS PER STANDARD STRUCTURAL DETAIL.
10. PLUMBING CONTRACTOR SHALL DEMO EXISTING UNDERGROUND REFRIGERATION CONDUIT TO BE ABANDONED UNDER EXISTING PORTION OF FLOOR SLAB TO BE REMOVED. PLUMBING CONTRACTOR SHALL CAP EXISTING REFRIGERATION CONDUIT TO BE ABANDONED AT EDGE OF EXISTING FLOOR SLAB TO REMAIN.
11. REUSE EXISTING PULL BOX AND TRENCHING.
12. EXISTING REFRIGERATION RISER PIT TO BE REUSED.

5 KEY NOTES

1. ALL REFRIGERATION CONDUIT PIPE SHALL BE RUN STRAIGHT WITHOUT BENDS BETWEEN PULL BOXES. ALL PIPE JOINTS ARE TO BE SMOOTH AND TIGHT.
2. ALL REFRIGERATION CONDUIT PIPE AND PULL BOXES SHALL BE FURNISHED AND INSTALLED BY THE GENERAL CONTRACTOR.
3. THE GENERAL CONTRACTOR SHALL OBTAIN AND PAY FOR ALL LICENSES, PERMITS, CERTIFICATES ETC. REQUIRED FOR THEIR WORK.
4. THE GENERAL CONTRACTOR SHALL FIELD CHECK JOB CONDITIONS BEFORE COMMENCING WITH WORK.
5. DO NOT MAKE ANY CHANGES OR SUBSTITUTIONS WITHOUT WRITTEN PERMISSION FROM A HARRIS TEETER REPRESENTATIVE.
6. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR DETAILS OF CONSTRUCTION. PLEASE NOTE THAT SECTIONS OF THE CONCRETE FLOOR THAT COVERS THE REFRIGERATION CONDUIT MAY BE POURED ONLY AFTER THE REFRIGERATION LINES HAVE BEEN INSTALLED. SCHEDULING AND INSTALLATION REQUIREMENTS SHALL BE COORDINATED BETWEEN ALL INVOLVED TRADES.
7. FINAL LOCATIONS AND ELEVATIONS OF REFRIGERATION PULL BOXES AND REFRIGERATION CONDUIT PIPE MUST BE FIELD VERIFIED AND MUST BE IN ACCORDANCE WITH HARRIS TEETERS REQUIREMENTS.
8. ALL REFRIGERATION CONDUIT PIPE SHALL BE 6" SCHEDULE 40 P.V.C. UNLESS OTHERWISE NOTED.
9. PULL BOX AND REFRIGERATION CONDUIT PIPE INVERTS ARE BASED ON A 5" THICK CONCRETE SLAB. VERIFY SLAB THICKNESS AND ADJUST INVERTS ACCORDINGLY.
10. PULL BOXES SHALL BE FIELD CHECKED BY BOTH THE REFRIGERATION INSTALLATION CONTRACTOR AND GENERAL CONTRACTOR AS TO EXACT LOCATION BEFORE CONCRETE IS POURED. PROVIDE TWO WEEKS NOTICE PRIOR TO POURING.
11. EXACT LOCATIONS OF REFRIGERATION PULL BOXES, ACCESS DOORS, REFRIGERATION CONDUIT PIPE, AND RISERS SHALL BE DETERMINED BY THE REFRIGERATION CONTRACTOR AND THE HARRIS TEETER REPRESENTATIVE. ALL WORK MUST BE COORDINATED WITH ALL OTHER UNDERGROUND SYSTEMS, BOTH IN PLAN AND ELEVATION.
12. ALL REFRIGERATION CONDUIT PIPE SHALL PITCH BACK TOWARD ITS RESPECTIVE RISER AT A RATE OF NOT LESS THAN 1" PER 20 FEET.
13. RISER PULL BOXES SHALL BE FORMED BELOW THE FLOOR BY THE GENERAL CONTRACTOR AND SHALL BE PROVIDED WITH EITHER VERTICAL ENCLOSURE SHAFTS WITH ACCESS DOORS OR METAL GRATE COVERINGS AS DETAILED IN THE ARCHITECTURAL PLANS.
14. ALL PULL BOXES, REFRIGERATION CONDUIT PIPE, AND POINTS OF CONNECTION SHALL BE PROPERLY SEALED TO GUARANTEE A TIGHT SYSTEM.
15. THE REFRIGERATION INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL PIPING WITH THE ELECTRICAL, MECHANICAL, AND PLUMBING TRADES AND ALL INTERIOR DECOR. COORDINATE WITH THE GENERAL CONTRACTOR AND THE ARCHITECT.
16. GENERAL CONTRACTOR SHALL FIELD VERIFY AND COORDINATE ALL DIMENSIONS WITH CASE SUPPLIER, INSTALLER AND REFRIGERATION INSTALLATION CONTRACTOR PRIOR TO INSTALLATION. FINAL RESPONSIBILITY FOR ALL LOCATIONS RESTS WITH THE GENERAL CONTRACTOR.
17. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FLOOR CUTTING, PATCHING, AND REPAIRS. THE GENERAL CONTRACTOR MUST COORDINATE ALL NEW TRENCHING WITH EXISTING UNDERFLOOR MECHANICAL AND ELECTRICAL SYSTEMS.
18. THE GENERAL CONTRACTOR SHALL PROVIDE TEMPORARY COVERS FOR ALL PULL BOXES AT ALL TIMES DURING THE CONSTRUCTION PROCESS.

6 REFRIGERATION NOTES

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RT1.1

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