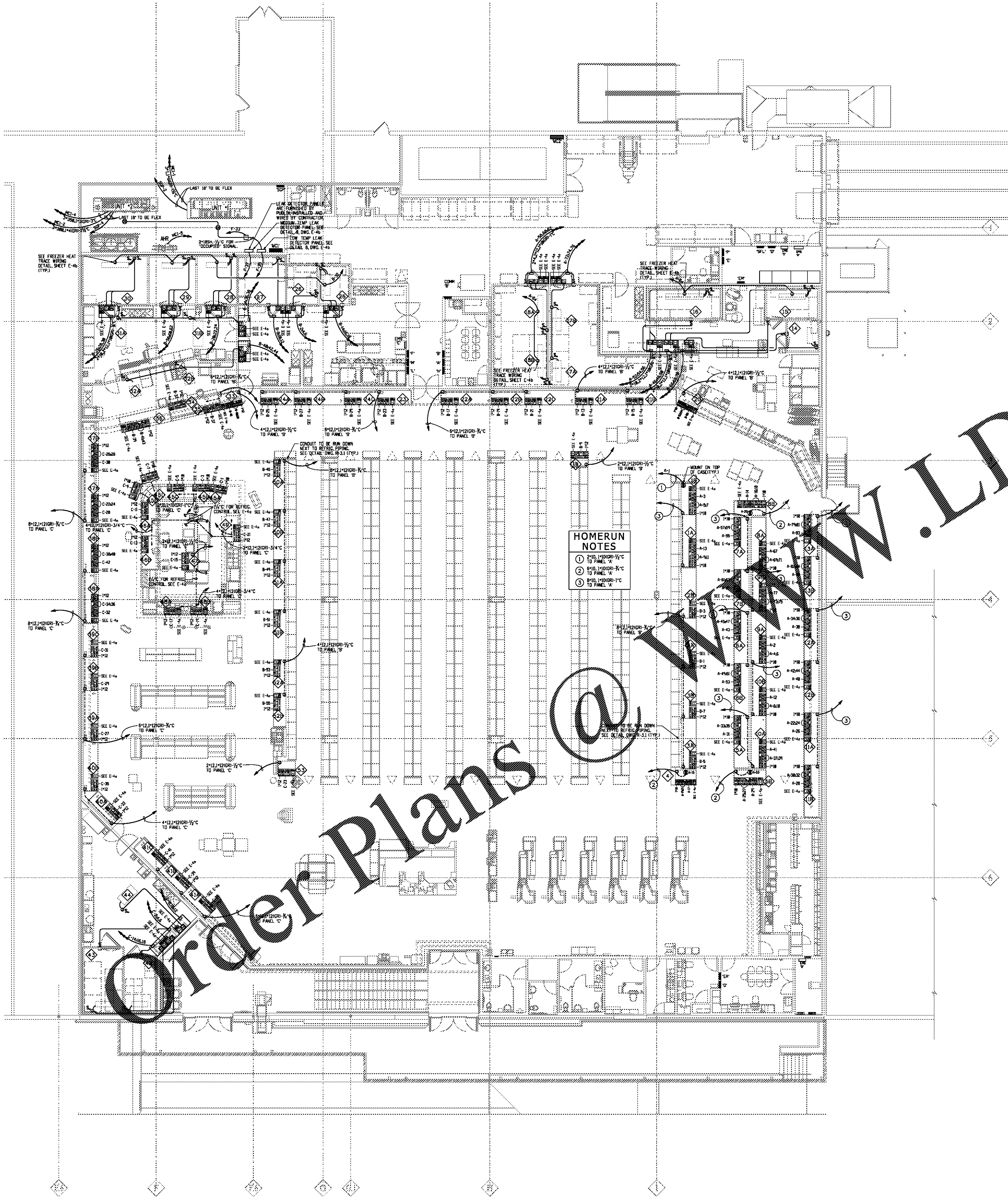

REFRIGERATION NOTES

1. ALL BRANCH CIRCUIT CONDUCTORS ARE TO BE RUN IN THE TOE RACE WAY OF SYSTEMS 34,35,36,45A,45B,45C,45D,45E,46A,46B,48A,48B,49.
2. ALL BRANCH CIRCUITS AND DEFROST TERMINATION OF ALL REMAINING CASES TO BE CONNECTED TO THE ELECTRICAL JUNCTION BOX OF THE CASE.
3. ALL BRANCH CIRCUITS FOR ORZ AND DSO CASES ARE TO BE CONNECTED TO THE CONDUIT SYSTEM ON TOP OF CASES.
4. ALL WALK-IN COOLERS AND FREEZERS TO HAVE CONTROL DEVICES INSTALLED BY REFRIGERATION CONTRACTOR AND WIRED BY ELECTRICAL CONTRACTOR. SEE DETAIL ON DWG. E-4b.
5. ALL WALK-IN FREEZERS AND COOLERS TO HAVE A DOOR SWITCH (DS) TO SHUT DOWN COIL. SWITCHES ARE TO BE FURNISHED AND INSTALLED BY REFRIGERATION CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. COORDINATE WITH PUBLIX'S REPRESENTATIVE FOR SIZING, ALSO SEE DETAIL ON DWG. E-4b.
6. PROVIDE 1-2C#22SH DAISY CHAINED FROM EACH DEVICE CONTROLLER TO RESPECTIVE [illegible] UNIT. DO NOT CUT OR SPLICE CONDUCTORS. CLEARLY IDENTIFY BOTH ENDS OF CONDUCTORS BY SYSTEM NUMBERS.
7. ALL APPROVED SHIELDED CABLE SUPPLIED AND INSTALLED BY CONTRACTOR.
8. ALL CASES SHALL HAVE CONDUCTORS IN A FLEXIBLE CONDUIT FROM CASE TO CONDUIT J-BOX ON TOP OF THE CASE.
9. NOT USED.
10. AT ALL WALK-IN COOLERS AND FREEZERS PROVIDE A DISCONNECT SWITCH FOR EACH COIL AS SHOWN ON THE DRAWINGS. SEE DETAILS 5 & 6 ON DWG. E-4b FOR COMPLETE DEVICE ASSEMBLY.
11. ALL WIRING TO REFRIGERATED CASES, WALK-IN COOLER, AND FREEZERS SHALL BE TYPE THHN STRANDED COPPER; SIZES AS INDICATED.
12. NOT USED.
13. ALL CONTROL DEVICES IN COOLERS AND FREEZERS INSTALLED AND WIRED BY ELECTRICAL ELECTRICAL CONTRACTOR. ELECTRICIAN SEE DETAIL ON DWG. E-4b.
14. NOT USED
15. CONTRACTOR TO INSTALL ONE (1) #12 (GREEN) CONDUCTOR TO EACH LINE UP OF CASES, FREEZERS AND COOLER (FOR BONDING).
16. CONTRACTOR TO MAKE ALL FLEX. CONDUIT TO THE REFRIGERATION EQUIPMENT WITH THE SHORTEST APPROPRIATE LENGTH OF FLEXIBLE CONNECTIONS.
17. NOT USED.
18. ALL ROOF TOP REFRIG. EQUIP. IS EQUIPPED WITH FACTORY INSTALLED DISCONNECT SWITCHES.
19. ELEC. CONTRACTOR TO CLEARLY LABEL EACH CASE SHOWING THE PANELBOARD AND CIRCUIT NUMBER SERVING THE CASE. LABELS WILL BE SUPPLIED BY HILL- MARKED AND INSTALLED BY CONTRACTOR.
20. PENETRATIONS THROUGH COOLER WALLS OR WALLS AND CEILING SHALL BE SLEEVED WITH CONDUIT AND PROPERLY BUSHED. ALL RACEWAYS AND SLEEVES SHALL BE FILLED WITH AN APPROVED MATERIAL PER NEC 300.7(A).
21. ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS TO BE COMPLETED IN ACCORDANCE WITH UL APPROVED INSTALLATIONS.
22. ALL LOW VOLTAGE WIRING FROM ALL REFRIG. CASES, WALK-IN COOLERS AND FREEZERS MUST BE SLEEVED IN CONDUIT UP TO BAR JOIST.
23. ALL MULTIPLE CONDUCTORS IN CONDUIT HAVE BEEN DERATED AS PER N.E.C. 2011 TABLE 310.15(B)(3)(a). ANY DEVIATION BY CONTRACTOR MUST REMAIN IN ACCORDANCE WITH THIS TABLE.
24. ELECTRICAL CONTRACTOR TO INCLUDE EQUIPMENT GROUND CONDUCTOR IN ALL CONDUITS CONTAINING POWER CIRCUITS (i.e., FAN, LIGHT, HEAT CIRCUITS) IN ADDITION TO WIRE QUANTITIES SHOWN.
25. INSTALL EXPOSED CABLES PARALLEL AND PERPENDICULAR TO SURFACES OR EXPOSED STRUCTURAL MEMBERS AND FOLLOW SURFACE CONTOURS WHERE POSSIBLE.
26. MAKE SPLICES, TAPS, AND TERMINATION ONLY AT INDICATED OUTLETS, TERMINALS AND STRIPS.
27. SECURE AND SUPPORT EXPOSED CABLES AT INTERVALS NOT EXCEEDING 30" AND NOT MORE THAN 6" FROM CABINETS, BOXES, FITTINGS AND TERMINALS.
28. CONTRACTOR SHALL FREEWIRE LOW VOLTAGE CABLES ONLY UPON COMPLETION OF PAINTING IN THE INSTALLATION AREA.
29. ELECTRICAL CONTRACTOR SHALL LABEL EACH END OF ALL LOW VOLTAGE CONDUCTORS INSTALLED BY ELECTRICAL CONTRACTOR INCLUDING CONDUCTORS TERMINATED BY OTHERS.
30. ALL CONTROL CONDUCTORS RUN ON TOP OF CASES, COOLERS AND FREEZERS SHALL BE IN CONDUIT (FLEX. CONDUIT TO BE 24" MAX.).
31. NO LOW VOLTAGE CONDUCTORS, CABLES, WIRES, ETC. PERMITTED TO BE INSTALLED BETWEEN TOP OF JOIST AND ROOF DECK.
32. CONTRACTOR TO PROVIDE BREAKER HANDLE TIES FOR ALL CIRCUITS UTILIZING SHARED NEUTRAL TO COMPLY WITH NFPA 70 SECTION 210.4.

TYPICAL CONNECTION SYMBOLOGY

TYPICAL CASE CONNECTION	DESCRIPTION
SEE E-4a	
TERMINAL BLOCK	120V CIRCUIT FOR CONTROLS, FAN, ANTI-COND., & LTS FROM RESPECTIVE PANEL
	208/1 CIRCUIT FOR DEFROST HEAT POWER FROM RESPECTIVE PANEL (BREAKER SIZE MAY VARY WITH HEAT LOAD)
	1#10 AWG Cu TO NEUTRAL BUSS OF RESPECTIVE PANEL

SCALE = 1/8" = 1'-0"

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TO THE BEST OF MY KNOWLEDGE, THE SPECIFICATIONS AND PLANS SHOWN HEREIN COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES IN EFFECT AT THIS TIME.

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ELECTRICAL REFRIGERATION POWER PLAN
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EAST COBB CROSSING SHOPPING CENTER
ROSEWELL ROAD
MARIETTA, GA 30062

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E-4

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