

REFRIGERATION NOTES

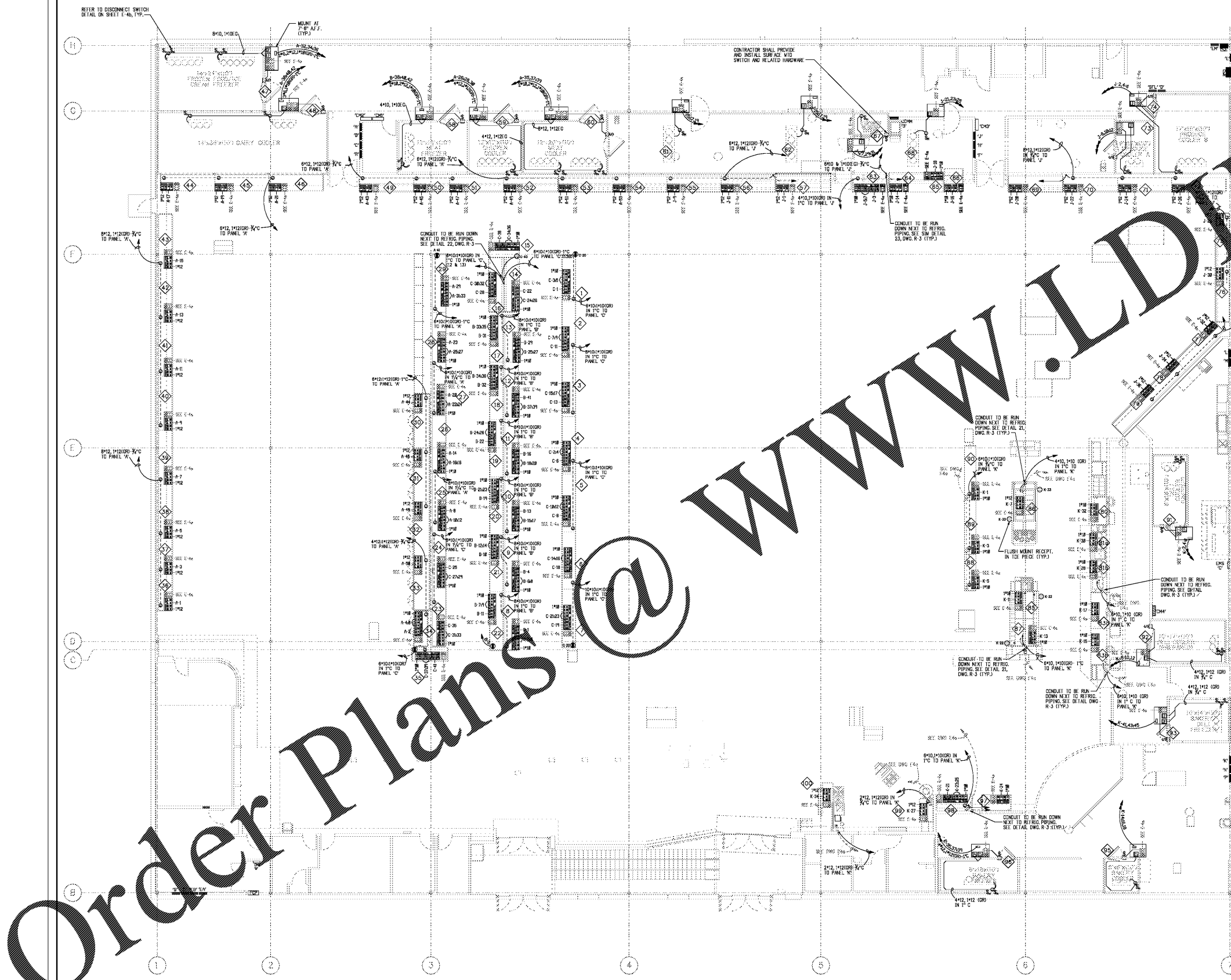
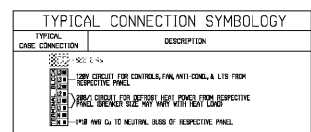
- ALL BRANCH CIRCUITS, PROBES, DEFROST TERMINATION CONDUCTORS ARE TO BE RUN IN THE RAISE WAY OF SYSTEMS 14,15,16,17,18,19,20,21,22,23,24,25,26,27,28.
- ALL BRANCH CIRCUITS, PROBES AND DEFROST TERMINATION OF ALL REMAINING CASES TO BE CONNECTED TO THE ELECTRICAL JUNCTION BOX OF THE CASE.
- ALL BRANCH CIRCUITS, PROBES AND DEFROST TERMINATION FOR DRZ AND OSD CASES ARE TO BE CONNECTED TO THE CONDUIT SYSTEM ON TOP OF CASES.
- ALL WALK-IN FREEZERS TO HAVE SOLENOID VALVE INSTALLED BY REFRIGERATION CONTRACTOR AND WIRED BY ELECTRICAL CONTRACTOR.
- ALL WALK-IN FREEZERS AND COOLERS TO HAVE A DOOR SWITCH #10 TO SHUT DOWN COIL SWITCHES ARE TO BE FURNISHED AND INSTALLED BY REFRIGERATION CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. COORDINATE WITH PUBlix'S REPRESENTATIVE FOR WIRING. ALSO SEE DETAIL IN THIS DRAWING.
- PROVIDE 1 JOYBUSH FROM EACH PROBE AND 1 JOYBUSH FROM EACH DEFROST TERMINATION TERMINAL IN CASE (DOWN AS SHOWN) TO RESPECTIVE REFRIG. UNIT CONTROL CABINET. THESE CONDUCTORS CAN BE GROUNDED TOGETHER, DO NOT CUT OR SPICE CONDUCTORS. CLEARLY IDENTIFY BOTH ENDS OF CONDUCTORS BY SYSTEM NUMBERS.
- ALL APPROVED SHIELDED CABLE SUPPLIED AND INSTALLED BY CONTRACTOR.
- ALL CASES SHALL HAVE CONDUCTORS IN A FLEXIBLE CONDUIT FROM CASE TO CONDUIT JO ON TOP OF THE CASE.
- ON ALL MULTI-CASE SYSTEMS THE DEFROST TERMINATION (DT) ARE TO BE WIRED IN SERIES USING RVC CONDUCTORS OF THE 4CIBS11.
- IN ALL WALK-IN COOLERS AND FREEZERS PROVIDE A HERBELL RECP/FALE, MATE PLUG, BOOT, WEATHERSTRIP COVER PLATE AND COOL FOR EACH COIL AS SHOWN ON THE DRAWINGS. SEE SYMBOL SCHEDULE ON DWG. E-10 FOR COMPLETE DEVICE ASSEMBLY.
- CONDUCTORS FOR SINGLE SOLENOID VALVE STATIONS SHALL BE BLENDED SIOUO (2CH4).
- EXTEND ALL TEMP. PROBES ON CMC TO J BOX ON TOP OF COOLERS AND FREEZERS INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR. ELECTRICAL SET POINTS SHALL BE SHEET FOR LOCATION OF J BOX, BEHIND COILS TOP SIDE OF COOLER OR FREEZER.
- NOT USED.
- CONTRACTOR TO INSTALL ONE (1) 1/2" GREEN CONDUIT TO EACH END OF CASES, FREEZERS AND COOLERS CASES AFTER BENDING TO EACH END OF CASES.
- CONTRACTOR TO MARK ALL FLEX CONDUITS FOR REFRIGERATION EQUIPMENT WITH THE SHORTER APPROXIMATE LENGTH OF FLEX CONDUIT TO BE USED.
- PROVIDE ALL TYPE "P" AND "R" FLEX CONDUITS TO BE USED.
- ALL ROOF TOP REFRIG. EQUIPMENT SUPPLIED WITH ROOF MOUNTED CONTACT SWITCHES.
- ELEC. CONTRACTOR TO CLEARLY LABEL EACH CASE, SHOWING THE PANEL AND CIRCUIT NUMBER SERVING EACH CASE. LABELS SHALL BE SUPPLIED, PRINTED, MARKED AND INSTALLED BY CONTRACTOR.
- PENETRATIONS THROUGH CEILING/FLOOR THROUGH WALLS AND CEILING SHALL BE SLEEVED WITH THREADED ROD AND PROPERLY SEaled. ALL PENETRATIONS AND SLEEVES SHALL BE FILLED WITH EXPANDED POLYSTYRENE INSULATION TO SEAL OFF LOW PRESS. ZONES.
- ALL PENETRATIONS THROUGH ROOF PARTITIONS TO BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
- ALL LOW VOLTAGE WIRING FOR ALL REFRIG. CASES, WALK-IN COOLERS AND FREEZERS MUST BE SLEEVED IN CONDUIT UP TO BAR JOIST.
- ALL MULTIPLE PENETRATIONS IN CONDUIT HAVE BEEN DERATED AS PER 2015 N.E.C. TABLE 310.15. ANY DEVIATION BY CONTRACTOR MUST REMAIN IN ACCORDANCE WITH TABLE.
- REFRIG. CONTRACTOR TO INCLUDE EQUIPMENT GROUND CONDUCTOR IN ALL CONDUITS CONTAINING REFRIG. CASES, PANELS, J BOXES, ETC. IN ADDITION TO WORK QUANTITIES SHOWN. INSTALL EXPOSED CABLES PARALLEL AND PERPENDICULAR TO SURFACES OR EXPOSED STRUCTURAL MEMBERS AND FOLLOW SAME AC. CONDITIONS WHERE POSSIBLE.
- MARK SPINDLES, TAPS AND TERMINATION ONLY AT INDICATED DILETS, TERMINALS AND STRIPS.
- SECURE AND SUPPORT EXPOSED CABLES AT INTERVALS NOT EXCEEDING 30" AND NOT MORE THAN 6" FROM CABINETS, BOXES, FITTINGS AND TERMINALS.
- CONTRACTOR SHALL FIREWIRE LOW VOLTAGE CABLES ONLY UPON COMPLETION OF PAINTING IN THE INSTALLATION AREA.
- ELECTRICAL CONTRACTOR SHALL LABEL EACH END OF ALL LOW VOLTAGE CONDUCTORS INSTALLED BY ELECTRICAL CONTRACTOR INCLUDING CONDUCTORS TERMINATED BY OTHERS.
- ALL CONTROL CONDUCTORS RUN ON TOP OF CASES, COOLERS AND FREEZERS SHALL BE IN CONDUIT (FLEX CONDUIT TO BE 24" MAX).
- NO LOW VOLTAGE CONDUCTORS, CABLES, WIRES, ETC. PERMITTED TO BE INSTALLED BETWEEN TOP OF JOIST AND ROOF DECK.

LOW TEMP. WIRING COORDINATION

SYSTEM	COIL/BOARD QTY.	WIRING DIA.
474,476	2	E-40-2
58	1	E-40-1
61	1	E-40-1
76	1	E-40-1
8	1	E-40-3
9	1	E-40-3
10	1	E-40-3
11	1	E-40-3
12	1	E-40-3
13	1	E-40-3
14	1	E-40-3
15	1	E-40-3
16	1	E-40-3
17	1	E-40-3
18	1	E-40-3
19	1	E-40-3
20	1	E-40-3
21	1	E-40-3
22	1	E-40-3
23	1	E-40-3
24	1	E-40-3
25	1	E-40-3
26	1	E-40-3
27	1	E-40-3
28	1	E-40-3
29	1	E-40-3
30	1	E-40-3
31	1	E-40-3
32	1	E-40-3
33	1	E-40-3
34	1	E-40-3
35	1	E-40-3
36	1	E-40-3

MEDIUM TEMP. WIRING COORDINATION

SYSTEM	COIL/BOARD QTY.	WIRING DIA.
59	1	E-40-1
60	1	E-40-1
62	1	E-40-1
63	1	E-40-1
64	1	E-40-1
65	1	E-40-1
66	1	E-40-1
67	1	E-40-1
68	1	E-40-1
69	1	E-40-1
70	1	E-40-1
71	1	E-40-1
72	1	E-40-1
73	1	E-40-1
74	1	E-40-1
75	1	E-40-1
76	1	E-40-1
77	1	E-40-1
78	1	E-40-1
79	1	E-40-1
80	1	E-40-1
81	1	E-40-1
82	1	E-40-1
83	1	E-40-1
84	1	E-40-1
85	1	E-40-1
86	1	E-40-1
87	1	E-40-1
88	1	E-40-1
89	1	E-40-1
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91	1	E-40-1
92	1	E-40-1
93	1	E-40-1
94	1	E-40-1
95	1	E-40-1
96	1	E-40-1
97	1	E-40-1
98	1	E-40-1
99	1	E-40-1
100	1	E-40-1



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