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GENERAL NOTES

1. REFER TO SHEET ED.1 FOR ELECTRICAL GENERAL NOTES, LEGEND AND ABBREVIATIONS.
2. REFER TO SHEET EB.1 FOR EQUIPMENT SCHEDULES.
3. REFER TO DETAIL #07 ON SHEET ES.2 FOR REFRIGERATION SMART CASE WIRING SCHEMATIC.
4. ALL EXISTING PANELBOARD, TRANSFORMERS, SWITCHES AND SWITCHBOARDS ARE SHADED GRAY. ALL NEW PANELBOARD, TRANSFORMERS, SWITCHES AND SWITCHBOARDS ARE SHADED BLACK AND/OR OTHERWISE NOTED.
5. INCLUDE IN THE SCOPE OF WORK, TEMPORARY SERVICES FOR EXISTING EQUIPMENT, DEVICES AND OWNER'S EQUIPMENT THAT MUST BE TEMPORARILY RELOCATED DUE TO CONSTRUCTION PHASING. CONSIDER MOVING OWNER'S EQUIPMENT SUCH AS CHECKSTANDS, REFRIGERATED CASES, LIGHTED SALES ETC. TWICE. SEE THE PHASING PLAN AND COORDINATE WITH OWNER'S PROJECT MANAGER.
6. COORDINATE THE EXACT LOCATIONS OF ALL EQUIPMENT WITH THE OWNER'S PROJECT MANAGER AND INSTALL PER THE REQUIREMENTS OF THE RESPECTIVE EQUIPMENT SUPPLIER/INSTALLER.
7. CONTRACTOR TO ALLOW FOR ELECTRICAL CONNECTION/HOOK UP TO HVAC, REFRIGERATION, KITCHEN AND OTHER ELECTRICALLY OPERATED EQUIPMENT SHOWN ON THE DRAWINGS.
8. THE GENERAL CONTRACTOR SHALL MAINTAIN POWER TO ALL NEW AND EXISTING OPERATIONAL EQUIPMENT AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL ALLOW FOR TEMPORARY WORKS AS NECESSARY WHEN NECESSARY.
9. ALL ELECTRICAL CONDUITS IN THE SALES AREA HANGING FROM ROOF FRAMING TO EITHER LOW WALL OR EQUIPMENT SHOULD BE COORDINATED AND GROUPED TOGETHER WITH OTHER MECHANICAL PIPES.
10. WALL REFRIGERATED CASES - PROVIDE 6 FEET OF FLEXIBLE CONDUIT FOR REFRIGERATED CASES CONNECTED TO WALL JUNCTION BOX WITH ELECTRICAL CONDUCTORS RUNNING CONTINUOUSLY THRU JUNCTION BOX AND FLEXIBLE CONDUIT TO CONNECTION TO CASES BY INSTALLATION CONTRACTOR.
11. ISLAND REFRIGERATED CASES - PROVIDE 6 FEET OF FLEXIBLE CONDUIT FOR REFRIGERATED CASES CONNECTED TO FLOOR MOUNTED JUNCTION BOX WITH ELECTRICAL CONDUCTORS RUNNING CONTINUOUSLY THRU JUNCTION BOX AND FLEXIBLE CONDUIT FOR CONNECTION TO CASES BY INSTALLATION CONTRACTOR.
12. SERVICE REFRIGERATED CASES - PROVIDE 6 FEET OF SEAL-TIGHT FLEXIBLE CONDUIT FOR REFRIGERATED CASES CONNECTED TO FLOOR MOUNTED PLASTIC JUNCTION BOX AND LID WITH ELECTRICAL CONDUCTORS RUNNING CONTINUOUSLY THRU JUNCTION BOX AND SEAL-TIGHT CONDUIT FOR CONNECTION TO CASES BY INSTALLATION CONTRACTOR.
13. WEATHERPROOF ELECTRICAL BOX AND SEAL-TIGHT FLEXIBLE CONDUIT - INDICATE WEATHERPROOF (W/P) ELECTRICAL BOX, FED FROM UNDERFLOOR, WITH POWER CONDUCTORS INSTALLED IN LIQUID TIGHT (SEAL-TIGHT) CONDUIT TO CASES IN OR IMMEDIATELY ADJACENT TO A WASH DOWN AREAS SUCH AS SEAFOOD, MEAT, DELI, AND BAKERY PREP AREAS.
14. PROVIDE WEATHERPROOF BOXES AND LIQUID-TIGHT FLEXIBLE CONDUIT TO CASES IN OR IMMEDIATELY ADJACENT TO WASHDOWN AREAS SUCH AS SEAFOOD PREP, MEAT PREP, DELI AND BAKERY PREP AREAS.
15. PROVIDE A JUNCTION BOX WITH A 1" CONCEALED CONDUIT WITH PULL WIRE RUN UP TO THE CEILING OR JOIST SPACE FOR REFRIGERATION CONTROLS. VERIFY ROUTING WITH REFRIGERATION EQUIPMENT INSTALLER. (ONLY ONE CONDUIT PER GROUP OF CASES.)
16. MINIMUM BRANCH CIRCUIT WIRE SIZE SHALL BE #12. INCREASE WIRE SIZE AS REQUIRED TO PROVIDE A 1.5 PERCENT VOLTAGE DROP TO THE EQUIPMENT OR LAST DEVICE ON THE CIRCUIT. WHERE INCREASED WIRE SIZE WILL NOT FIT IN THE TERMINALS OR LUGS OF THE EQUIPMENT OR DEVICE, PROVIDE PIGTAILS TO REDUCE TO #12. PROVIDE ANY JUNCTION BOXES AS REQUIRED.
17. PROVIDE CIRCUIT AS INDICATED TO PANEL. FOR WALL FOR WALL LOCATIONS, MOUNT OUTLET AT 6'-0" AFF. FOR ISLAND LOCATIONS, PROVIDE SURFACE OUTLET AT FLOOR WITH CONDUIT ROUTED AT BOTTOM OF CONCRETE SLAB. FOR AISLE LOCATIONS, ROUTE PARALLEL WITH REFRIGERATION PIPING CONCEALED IN CHASE TO CEILING. (ONLY ONE CONDUIT PER GROUP OF CASES ON A REFRIGERATION CIRCUIT. ROUTE CONDUIT TO EACH CASE ON CIRCUIT).

KEYNOTES

1. OUTLET FOR CONDENSATE HEAT TRACE CABLE. COORDINATE EXACT LOCATION WITH CABLE INSTALLER.
2. SEE ESD-7 FOR UNDER FLOOR HEATING SYSTEM INSTALLATION REQUIREMENTS.
3. MAKE CONNECTION TO WALK-IN FREEZER DOOR HEAT TRACE.
4. PROVIDE 1" CONDUIT WITH PULL STRING TO PROTOCOL UNIT FOR REFRIGERATION CONTROLS. VERIFY ROUTING WITH EQUIPMENT INSTALLER PRIOR TO ROUGHING IN BOXES.
5. REFRIGERATION CONTROLS PROVIDED BY REFRIGERATION CONTRACTOR. PROVIDE 120V, 1" CONDUIT TO PULLUM FOR CONTROLS. FIELD VERIFY FINAL LOCATION.
6. ALL CONDUITS SHALL RUN OUTSIDE OF COOLER OR FREEZER. REFER TO ESD-26 ON SHEET ES.1.1.



KEY PLAN
SCALE: NOT TO SCALE

01 PARTIAL REFRIGERATION ELECTRICAL POWER PLAN EAST

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

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FIRE PROTECTION

ISSUE LOG

NO.	REV.	DESCRIPTION	DATE
1	-	PERMIT SET	12/06/18
2	-	BID SET	03/21/19

JOB: 2018041 SCALE: AS SHOWN
SHEET NO.

E1.3.4

PARTIAL REFRIGERATION
ELECTRICAL POWER PLAN EAST

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