

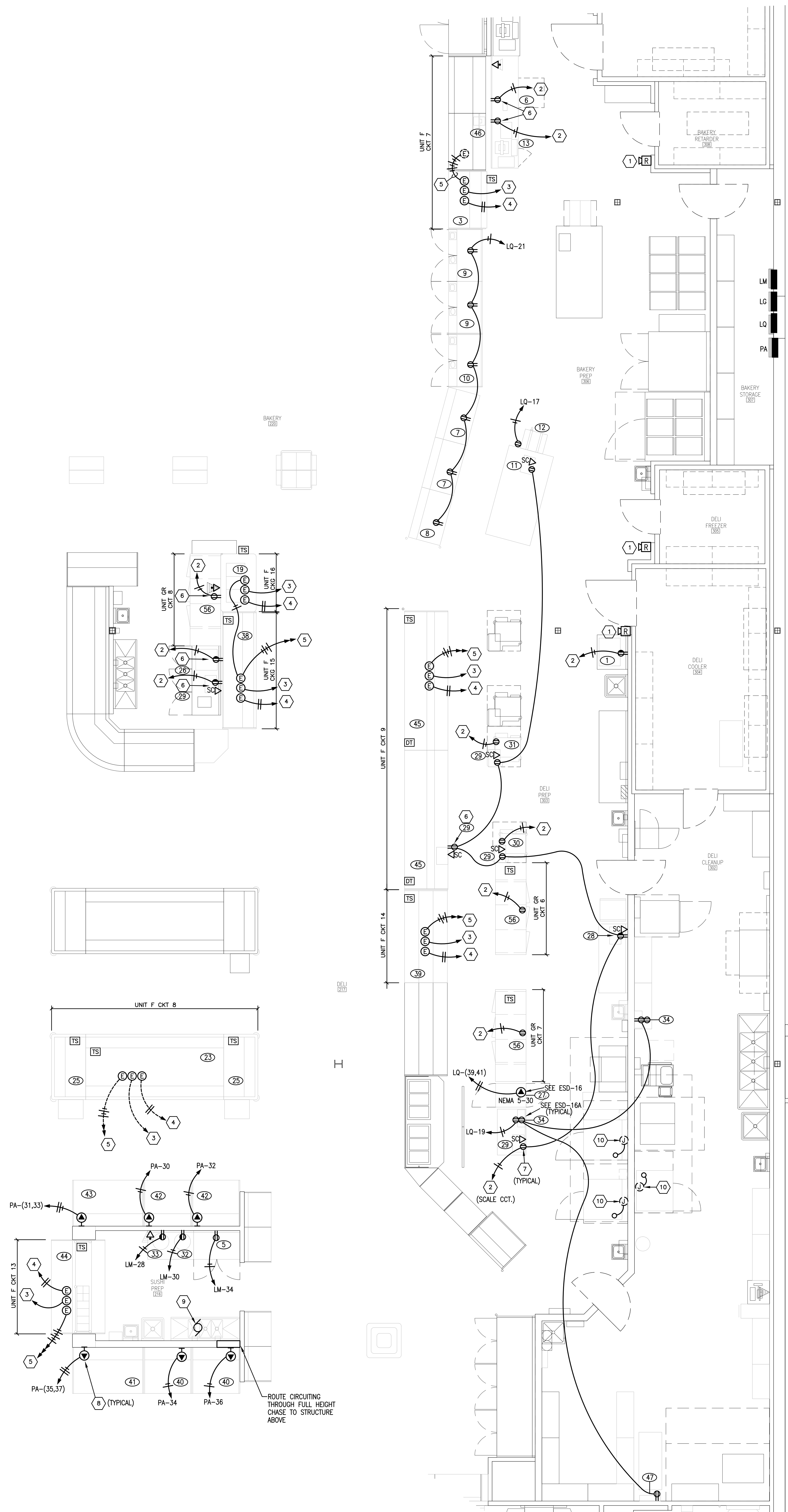
HUBERT C. KENNEDY, JR., P.E.
ELECTRICAL ENGINEER
P.O. BOX 37201
FORT MYERS, FL 33931
(813) 334-1500
hubert@hcmengineering.com

A REMODEL FOR:
KROGER R-327
LYNCHBURG, VA
7805 TIMBERLAKE DRIVE

**ELECTRICAL
ENLARGED
POWER PLANS**

NO.	DATE	DESCRIPTION

E4.1



ALL SINGLE PHASE RECEPTACLES UP TO 50 AMP AND THREE PHASE RECEPTACLES UP TO 100 AMP INSTALLED IN COMMERCIAL KITCHENS OR WITHIN 6' OF THE OUTSIDE EDGE OF A SINK TO HAVE GFCI PROTECTION PER NEC 210.8(B)(2)&(5).

- POWER NOTES (GENERAL)**
- REFER TO ELECTRICAL EQUIPMENT SCHEDULE FOR EQUIPMENT CONNECTIONS, MOUNTING HEIGHTS, ETC.
 - PROVIDE ORANGE RECEPTACLE FOR ISOLATED GROUND EQUIPMENT WITH NAMEPLATE "FOR COMPUTERIZED EQUIPMENT ONLY".
 - SEE SPECIFICATIONS FOR INFORMATION ON KROGER DIRECT BUY PROGRAM.
 - ALL ELECTRICAL CONDUITS IN THE SALES AREA DESCENDING FROM ROOF FRAMING TO EITHER LOW WALLS OR EQUIPMENT SHOULD BE COORDINATED AND GROUPED TOGETHER WITH OTHER MECHANICAL PIPES.
 - ALL JUNCTION BOXES ARE 120V UNLESS INDICATED OTHERWISE.
 - RUN CONDUITS OUTSIDE INSULATED WALL PANELS, STUB THRU TO OUTLET BOXES INSIDE PREP ROOMS.
 - ONLY SURFACE MOUNTED CONDUIT PERMITTED IN THE DELI AND BAKERY PREP AREAS SHALL BE ON THEIR COOLER AND FREEZER WALLS AND CEILINGS. NO SURFACE MOUNTED CONDUIT IS ALLOWED IN MEAT AND PRODUCE PREP ROOMS.
 - COORDINATE REQUIREMENTS FOR ALL REFRIGERATION EQUIPMENT WITH THE REFRIGERATION CONTRACTOR.
 - FIELD VERIFY ALL EXISTING CONDITIONS.
 - IDENTIFY CIRCUIT #S IN PANEL AND ON RED LINE "AS-BUILT" SET.
 - COORDINATE REQUIREMENTS FOR TEMPERATURE AND HUMIDITY SENSORS WITH THE MECHANICAL AND EMS CONTRACTORS. SEE ESD-46.
 - WALL REFRIGERATED CASES**
PROVIDE 10 FEET OF FLEXIBLE CONDUIT FOR REFRIGERATED CASES CONNECTED TO WALL JUNCTION BOX WITH ELECTRICAL CONDUCTORS RUNNING CONTINUOUSLY THRU JUNCTION BOX AND FLEXIBLE CONDUIT FOR CONNECTION TO CASES BY INSTALLATION CONTRACTOR.
 - ISLAND REFRIGERATED CASES**
PROVIDE 6 FEET OF FLEXIBLE CONDUIT FOR REFRIGERATED CASES CONNECTED TO FLOOR MOUNTED JUNCTION BOX WITH ELECTRICAL CONDUCTORS RUNNING CONTINUOUSLY THROUGH JUNCTION BOX AND FLEXIBLE CONDUIT FOR CONNECTION TO CASES BY INSTALLATION CONTRACTOR.
 - SERVICE REFRIGERATED CASES**
PROVIDE 6 FEET OF FLEXIBLE CONDUIT FOR REFRIGERATED CASES CONNECTED TO FLOOR MOUNTED PLASTIC JUNCTION BOX AND LID WITH ELECTRICAL CONDUCTORS RUNNING CONTINUOUSLY THROUGH JUNCTION BOX AND SEAL-TIGHT CONDUIT FOR CONNECTION TO CASES BY INSTALLATION CONTRACTOR.
 - PROVIDE WP JUNCTION BOX FED FROM UNDER SLAB WITH POWER CONDUCTORS INSTALLED IN LIQUID TIGHT (SEAL-TIGHT) CONDUIT TO CASES IN OR IMMEDIATELY ADJACENT TO A WASH DOWN AREA SUCH AS SEAFOOD, MEAT, DELI, AND BAKERY PREP AREAS.

- POWER NOTES (SPECIFIC)**
- REFRIGERANT LEAK DETECTION SYSTEM HORN/STROBE, ONE FOR EACH ZONE PLUS ONE IN CUSTOMER SERVICE OR MANAGER'S OFFICE. SEE SHEET "EM" DRAWINGS FOR ADDITIONAL INFORMATION. COORDINATE LOCATIONS AND REQUIREMENTS IN FIELD.
 - EXTEND EXISTING CIRCUIT(S) FOR RELOCATED EQUIPMENT.
 - 1" W/ PULLSTRING TO ASSOCIATED REFRIGERATION UNIT / CONTROL PANEL FOR LOW VOLTAGE SENSOR CABLE. COORDINATE REQUIREMENTS WITH REFRIGERATION CONTRACTOR. REUSE EXISTING WHERE POSSIBLE.
 - 1" W/ #12-1#12C TO ASSOCIATED REFRIGERATION SYSTEM FOR 208V CONTROL WIRING. VERIFY REQUIREMENTS WITH THE REFRIGERATION CONTRACTOR. REUSE EXISTING WHERE POSSIBLE.
 - EXTEND CASE LIGHT, FAN, AND A/S CIRCUITS MADE SPARE BY DEMOLITION OR RELOCATION OF EXISTING CASES IN THIS AREA. COORDINATE ALL REQUIREMENTS WITH THE REFRIGERATION CONTRACTOR. FIELD VERIFY EXISTING CONDITIONS AND LOADS.
 - DEVICES MOUNTED TO CASE OR FIXTURE. COORDINATE EXACT LOCATION AND CONDUIT ROUTING REQUIREMENTS WITH CASE INSTALLATION.
 - UTILIZE EXISTING CORD DROP DEVICES WHERE POSSIBLE. FIELD VERIFY LOCATIONS AND CONDITIONS.
 - SELF CONTAINED CASE RECEPTACLES AT CULINARY KIOSK TO BE MOUNTED AT 10" AFF AND POSITIONED NEAR THE SIDE OF THE CASE IN ORDER TO ALLOW THE CASE TO BE INSTALLED AGAINST THE WALL.
 - EXISTING RECIRCULATING PUMP TO BE RELOCATED ALONG WITH HAND SINK. RELOCATE DISCONNECT SWITCH (IF ANY), EXTEND AND RECONNECT EXISTING CIRCUIT AS REQUIRED. COORDINATE WITH THE PLUMBING CONTRACTOR.
 - NEW OVEN TO REPLACE EXISTING. RECONNECT TO EXISTING CIRCUIT WITH SHUNT-TRIP CONTROL TIED TO HOOD FIRE SYSTEM. NEW EQUIPMENT TO BE ORDERED WITH SAME ELECTRICAL REQUIREMENT UNIT TO BE REPLACED. FIELD VERIFY.