

ENERGY MANAGEMENT TERMINATION LEGEND		
SYMBOL	DESCRIPTION	NOTES
DT	DEFROST TERMINATION THERMOSTAT	
P	ANALOG TEMPERATURE SENSOR	
SS	SUCTION STOP SOLENOID	1,2 MATCH RACK OR DISTRIBUTED UNIT CONTROL VOLTAGE.

1. WHEN CASES ARE FED FROM LOOP PIPING, SUCTION STOP SOLENOIDS WILL BE ON REFRIGERATION CIRCUITS ON SALES FLOOR.
2. REFER TO REFRIGERATION DRAWINGS (R1.1, R5.1, R6.1)

ENERGY MANAGEMENT TERMINATION GENERAL NOTES

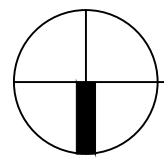
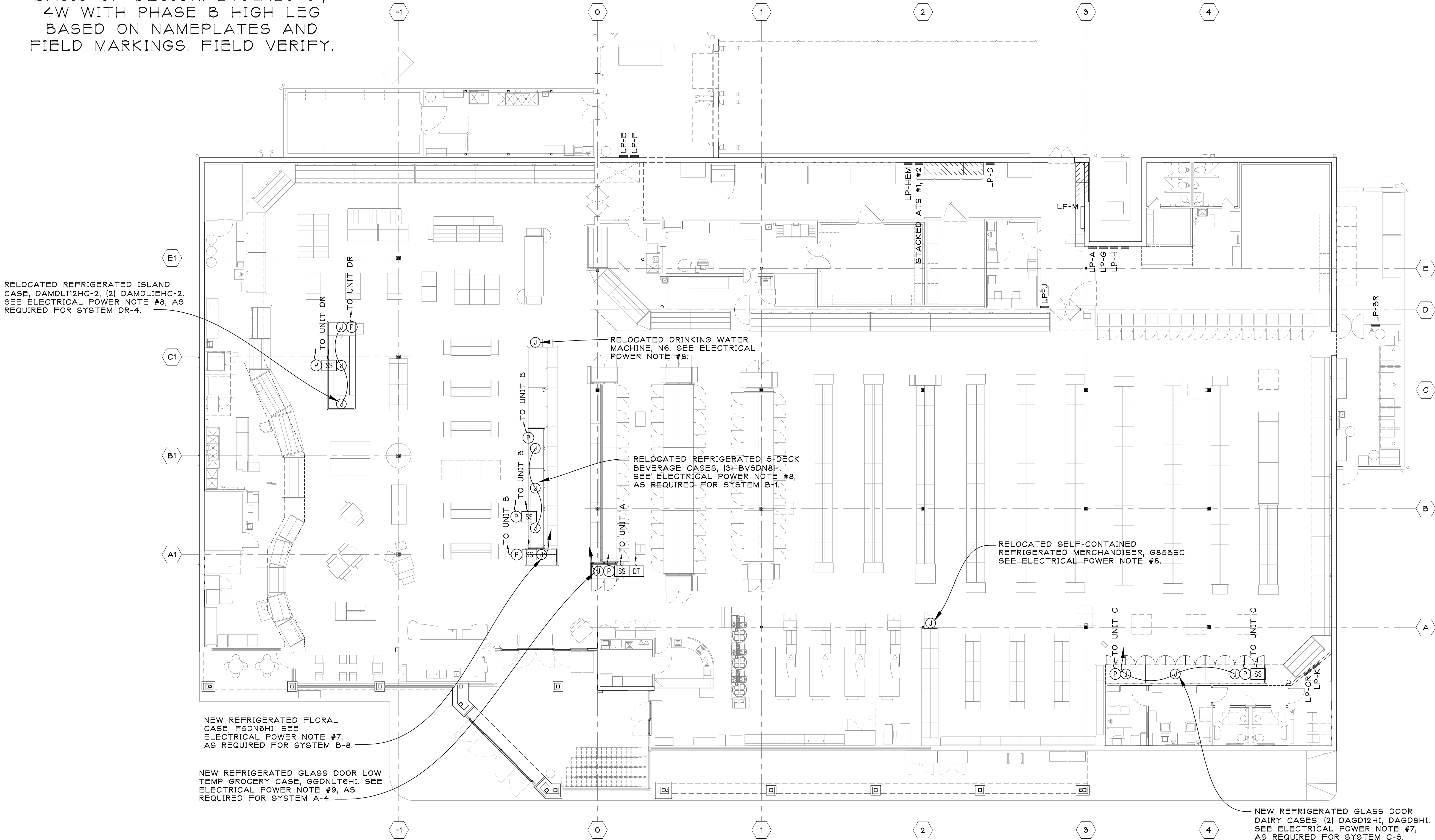
- REFER TO R-SERIES REFRIGERATION SHEETS.
- REMOVE AND REINSTALL WIRELESS REFRIGERATION TEMPERATURE SENSORS AS DIRECTED BY KROGER.
- UPON PROJECT CLOSEOUT, PROVIDE A FRAMED ARCHITECTURAL D-SIZE RECORD DRAWING, SUITABLE FOR WALL MOUNTING, DOCUMENTING THE INSTALLED ROUTING OF CASE CONTROLLER WIRING OVERLAID ON THE BUILDING PLAN.
- PROVIDE LOW VOLTAGE WIRING FOR THE ENERGY MANAGEMENT ITEMS (SUCTION STOPS, DEFROST THERMOSTATS, TEMPERATURE SENSORS) AS REQUIRED.

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QUANTITY	NAME	STATUS	ELECTRICAL REQUIREMENTS	
3	BV5DN8H	RELO	34W FOR FANS, 177W FOR LIGHTS MOUNT J.B. 1'-6" AB FL FOR 8' NARROW DEPTH BEVERAGE CASE (IMPACT)	
1	G85B5C	RELO	348W FOR CHECKSTAND REFRIGERATED MERCHANDISER	
2	DAGD12HI	NEW	120V, 48W FOR FANS, 68.2W FOR MULLION LIGHTS, FOR 12FT GLASS DOOR DAIRY CASE	
1	DAGD8HI	NEW	120V, 32W FOR FANS, 47.7W FOR MULLION LIGHTS, FOR 8FT GLASS DOOR DAIRY CASE	
1	DAMD112HC-2	RELO	ELECTRICAL DATA IS PER SIDE. 108W FOR FANS, 384W FOR LIGHTS ON 12' MDLP DAIRY ISLAND CASE (UNITIZED)	
2	DAMD112HC-2	RELO	18W FOR FANS, 116W FOR LIGHTS ON MDLP DAIRY ISLAND END CASE	
1	F5DN6HI	NEW	120V, 32W FOR FANS, 31.6W FOR LIGHTS, FOR 6' 5-DECK NARROW FLORAL CASE	
1	GGDNL76HI	NEW	130W FOR FANS, 182W FOR A.S. HTRS., 43W FOR LIGHTS, 1400W (208V 1PH) FOR ELEC DEF. (TO PANEL FOR DEF WIRING) ON 6' NARROW GLASS DOOR LOW TEMP GROCERY CASE	

ELECTRICAL POWER NOTES

- COORDINATE SCHEDULING WITH KROGER PROJECT MANGER TO PERMIT KROGER TO CONDUCT NORMAL BUSINESS OPERATIONS DURING CONSTRUCTION.
- REUSE EXISTING BRANCH CIRCUITS MADE AVAILABLE BY DEMOLITION WHERE PRACTICAL UNLESS NOTED OTHERWISE. EXTEND EXISTING WIRING METHODS AS REQUIRED TO ACCOMMODATE NEW EQUIPMENT LOCATIONS. PROVIDE ADJUSTMENTS OR ADDITIONAL BRANCH CIRCUITS AS REQUIRED FROM NEAREST SUITABLE PANELBOARD. ROUTE NEW RACEWAYS BY MOST PRACTICAL CONCEALED MEANS AVAILABLE UNLESS NOTED OTHERWISE. DO NOT INSTALL RACEWAYS OR SAWCUT WITHOUT THE CONSENT OF THE KROGER PROJECT MANAGER.
- UPDATE ALL LABELS AND DIRECTORIES FOR BRANCH CIRCUITS AFFECTED BY NEW CONSTRUCTION. HANDWRITTEN IDENTIFICATION SHALL NOT BE ACCEPTABLE.
- COORDINATE AND GROUP TOGETHER ALL PIPE DROPS IN SALES AREA FROM ROOF TO LOW WALLS OR EQUIPMENT WITH OTHER MECHANICAL PIPES.
- COORDINATE EXACT DEVICE LOCATIONS WITH KROGER PROJECT MANAGER BEFORE ROUGH-IN.
- CONDUIT AND WIRE SIZES INDICATED ARE MINIMUM REQUIREMENTS.
- PROVIDE MINIMUM 3/4"IC, 2#10-#10GND TO NEW OR SPARE 20/1 CB IN EXISTING NEAREST SUITABLE PANEL BOARD. PROVIDE ONE 120/20/1 CIRCUIT EACH FOR LIGHTS AND CASE FANS AS REQUIRED FOR REFRIGERATED CASES.
- PROVIDE RELOCATED WIRING METHODS AND DEVICES AS REQUIRED BACK TO EXISTING PANEL LOCATIONS. PROVIDE CIRCUITS FOR LIGHTS AND CASE FANS AS REQUIRED FOR REFRIGERATED CASES.
- FOR NEW REFRIGERATED GLASS DOOR LOW TEMP GROCERY CASE, PROVIDE MINIMUM 3/4"IC, 2#10-#10GND TO NEW OR SPARE 20/1 CB IN EXISTING NEAREST SUITABLE PANEL BOARD. PROVIDE ONE 120/20/1 CIRCUIT EACH FOR LIGHTS, FANS, AND ANTI-SWEAT HEATERS AS REQUIRED FOR REFRIGERATED CASES. PROVIDE ONE 208/20/1 CIRCUIT FOR DEFROST W/ 1"IC, 2#10-#10GND.

BASIS OF DESIGN: 240V/120 3 ϕ 4W WITH PHASE B HIGH LEG BASED ON NAMEPLATES AND FIELD MARKINGS. FIELD VERIFY.



POWER & ENERGY MGMT PLAN
SCALE: 3/32" = 1'-0"

SEE R-SHEETS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

BIDS AND PERMITS
OWNER REVIEW
12/19/2023
11/17/2023

PROPOSED MINOR STORE SALES FLOOR ALTERATION FOR:

STORE NO. D-415
8899 MACOMB
GROSSE ILE, MI 48138
THE KROGER CO. OF MICHIGAN

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POWER PLAN
project no. **23137.02** sheet no. **E1.3**

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