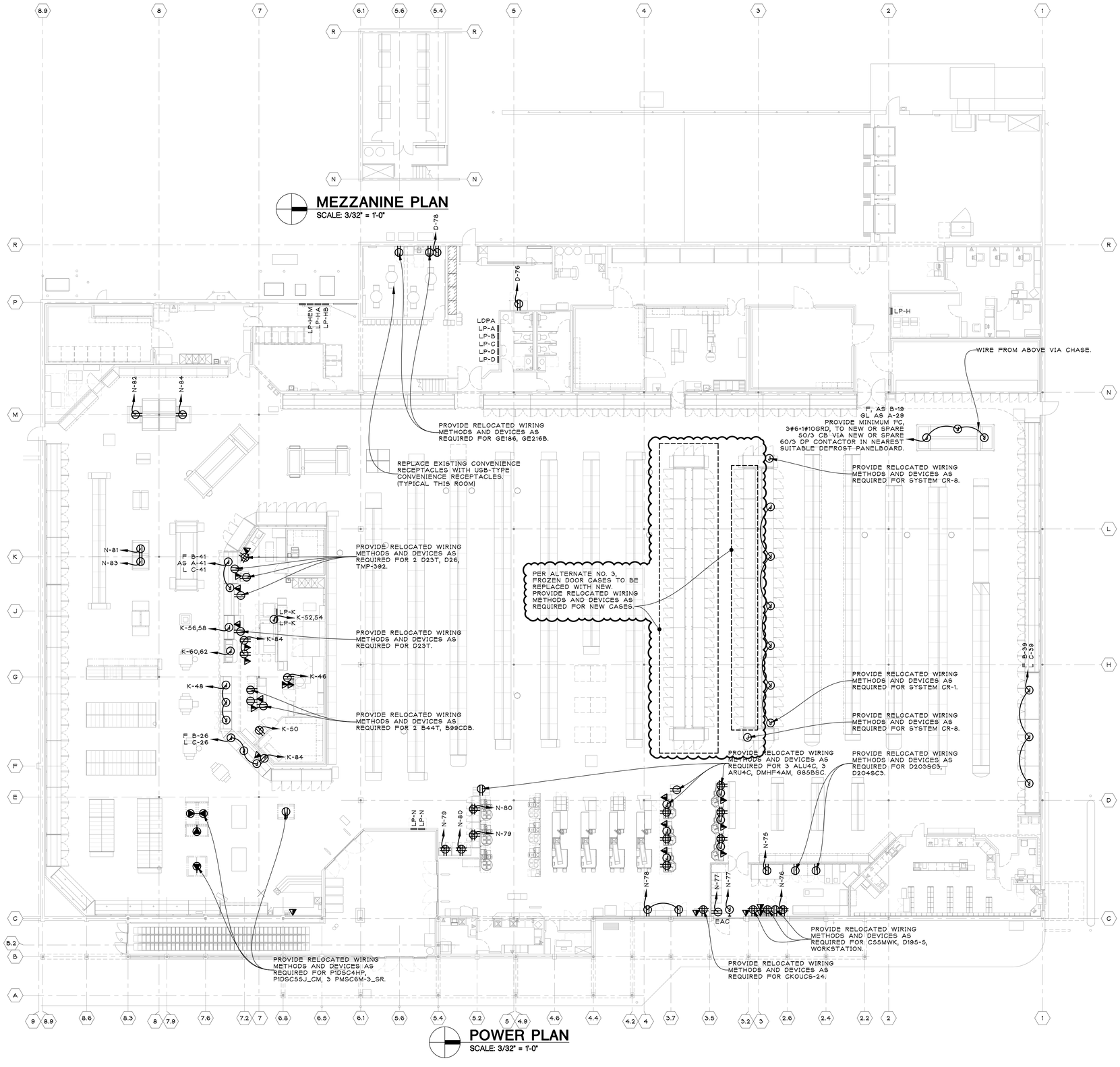
ELECTRIC AIR CURTAIN SCHEDULE

MARK	SERVICE	MANUF.	MODEL NO.	FAN			DIMENSIONS				ELECTRICAL		REMARKS
				AIRFLOW (CFM)	NO. FANS	POWER EA. (HP)	LENGTH (IN)	DEPTH (IN)	HEIGHT (IN)	WEIGHT (LB)	VOLT/PHASE	FLA	
EAC	PICKUP DOOR	BERNER INTERNATIONAL	ALC08-1048A	1381	1	1/15	49.25	13.7	7.62	48	120/1	3.4	MOUNT CENTERED ON DOOR OPENING, BOTTOM OF UNIT 7'-8" TO 8'-0" A.F.F. SUPPLIED/INSTALLED BY G.C.

NOTES:
1. PROVIDE WITH BASIC CONTROL PACKAGE WITH MAGNETIC REED STYLE DOOR SWITCH INSTALLED ON EXISTING AUTOMATIC DOOR



GENERAL NOTES

1. COORDINATE SCHEDULING WITH KROGER ENGINEER TO PERMIT KROGER TO CONDUCT NORMAL BUSINESS OPERATIONS DURING CONSTRUCTION. (ALL NIGHTWORK, ETC. CASE CHANGEOUTS TO BE STARTED AT 10:00PM AND COMPLETED AND RUNNING BY 7:00AM NEXT DAY)
2. **REUSE EXISTING BRANCH CIRCUITS MADE AVAILABLE BY DEMOLITION WHERE PRACTICABLE 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 EXPOSED RACEWAYS OR SAWCUT WITHOUT THE CONSENT OF THE KROGER ENGINEER.
3. UPDATE ALL LABELS AND DIRECTORIES FOR BRANCH CIRCUITS AFFECTED BY NEW CONSTRUCTION. HANDWRITTEN IDENTIFICATION SHALL NOT BE ACCEPTABLE.
4. COORDINATE AND GROUP TOGETHER ALL PIPE DROPS IN SALES AREA FROM ROOF TO LOW WALLS OR EQUIPMENT WITH OTHER MECHANICAL PIPES.
5. PROVIDE RELOCATED WIRING METHODS AND DEVICES AS REQUIRED FOR SHELVING MOVES. INSTALL IN RIGID STEEL CONDUIT FROM A JUNCTION BOX IN THE STRUCTURAL STEEL ABOVE. LOCATE CONDUIT IN CENTER OF SHELVING RUN. PAINT CONDUIT TO MATCH COLUMNS.
6. REUSE EXISTING CONTACTORS AND RELAYS FOR SALES LIGHTING, CASE LIGHTING, CASE ANTISWEAT, AND CASE DEFROST SETBACK WHERE PRACTICABLE. PROVIDE ADDITIONAL CONTACTORS AND RELAYS AS REQUIRED.
7. PROVIDE LOW VOLTAGE CASE SENSOR PROBES, HVAC PROBES, SMOKE DETECTORS, AND ANTISWEAT CONTROLS AS REQUIRED. REFER TO EM DRAWINGS. REUSE EXISTING WIRING METHODS AND DEVICES WHERE PRACTICABLE.
8. PROVIDE (1) 120/20/1 BRANCH CIRCUIT AND RECEPTACLE FOR COFFEE GRINDER AT LOCATION TO BE DETERMINED BY KROGER ENGINEER. FIELD VERIFY SOURCE.
9. PROVIDE (3) 120/20/1 BRANCH CIRCUITS AND CEILING MOUNTED DROP CORD REELS AT LOCATIONS TO BE DETERMINED BY KROGER ENGINEER. FIELD VERIFY SOURCE.
10. PROVIDE (6) 120/30/1 BRANCH CIRCUITS FOR INLINE CASES AT LOCATIONS TO BE DETERMINED BY KROGER ENGINEER. FIELD VERIFY SOURCE.
11. PROVIDE (2) 120/30/1 BRANCH CIRCUITS FOR BERRY CASES AT LOCATIONS TO BE DETERMINED BY KROGER ENGINEER IF NOT SHOWN ON DRAWINGS. FIELD VERIFY SOURCE.
12. PROVIDE (4) 120/20/1 BRANCH CIRCUITS AND RECEPTACLES FOR CCTV MONITORS AT LOCATIONS TO BE DETERMINED BY KROGER ENGINEER. FIELD VERIFY SOURCE.
13. PROVIDE (4) 120/20/1 BRANCH CIRCUITS AND RECEPTACLES FOR PTZ CAMERAS AT LOCATIONS TO BE DETERMINED BY KROGER ENGINEER. FIELD VERIFY SOURCE.
14. PROVIDE (1) 120/20/1 BRANCH CIRCUITS AND RECEPTACLE FOR REDBOX AT LOCATION TO BE DETERMINED BY KROGER ENGINEER IF NOT SHOWN ON DRAWING. FIELD VERIFY SOURCE.
15. PROVIDE (1) 120/20/1 BRANCH CIRCUITS AND RECEPTACLE FOR COINSTAR AT LOCATION TO BE DETERMINED BY KROGER ENGINEER IF NOT SHOWN ON DRAWING. FIELD VERIFY SOURCE.
16. PROVIDE (10) 120/20/1 BRANCH CIRCUITS (COMPLETE, INCLUDING, BUT NOT LIMITED TO, OVERCURRENT PROTECTION, RACEWAY, CONDUCTORS, BOXES, FITTINGS, DEVICES, COVERS, AND ANCILLARY MATERIAL) FOR MISCELLANEOUS EQUIPMENT AT LOCATIONS TO BE DETERMINED BY KROGER ENGINEER. BASE EACH BRANCH CIRCUIT AS A 300' RUN. FIELD VERIFY SOURCE.
17. PROVIDE (5) 120/20/1 TEMPORARY BRANCH CIRCUITS (COMPLETE, INCLUDING, BUT NOT LIMITED TO, OVERCURRENT PROTECTION, RACEWAY, CONDUCTORS, BOXES, FITTINGS, DEVICES, COVERS, AND ANCILLARY MATERIAL) FOR MISCELLANEOUS EQUIPMENT DURING PHASED CONSTRUCTION AT LOCATIONS TO BE DETERMINED BY KROGER ENGINEER. BASE EACH BRANCH CIRCUIT AS A 300' RUN. FIELD VERIFY SOURCE.
18. PROVIDE (2) 120/20/1 BRANCH CIRCUITS AND TERMINATE IN JUNCTION BOX FOR QUEVISION AT LOCATIONS TO BE DETERMINED BY KROGER ENGINEER. FIELD VERIFY SOURCE. RECEPTACLE AND FINAL CONNECTION BY QUEVISION.
19. PROVIDE (1) 120/20/1 BRANCH CIRCUIT AND RECEPTACLE FOR "DELI TAKE-A-TICKET" AT LOCATION TO BE DETERMINED BY KROGER ENGINEER. FIELD VERIFY SOURCE. INSTALL "DELI TAKE-A-TICKET" SYSTEM COMPLETE.
20. MICHIGAN ONLY: PROVIDE NEW BELL IN CUSTOMER SERVICE AND NEW PUSHBUTTON WITH LOW VOLTAGE TRANSFORMER IN RECYCLING ROOM AT LOCATIONS TO BE DETERMINED BY KROGER ENGINEER. PROVIDE (1) 120/20/1 BRANCH CIRCUIT FOR LOW VOLTAGE TRANSFORMER. FIELD VERIFY SOURCE.
21. MICHIGAN ONLY: PROVIDE NEW BUZZER IN CUSTOMER SERVICE AT LOCATION TO BE DETERMINED BY KROGER ENGINEER. WIRE TO TOMRA RECYCLE CONTROL BOARD FOR "BIN FULL" NOTIFICATION.
22. PROVIDE 10' WHIP FROM WALL JUNCTION BOXES FOR CONNECTION TO WALL REFRIGERATED CASES.
23. PROVIDE 6' WHIP FROM FLOOR JUNCTION BOXES FOR CONNECTION TO ISLAND REFRIGERATED CASES.
24. PROVIDE 6' LIQUID-TIGHT WHIP FROM PLASTIC FLOOR JUNCTION BOXES WITH LID FOR CONNECTION TO SERVICE REFRIGERATED CASES.
25. PROVIDE WEATHERPROOF WIRING METHODS FOR CASES IN OR IMMEDIATELY ADJACENT TO WASH DOWN AREAS SUCH AS SEAFOOD, MEAT, DELI, AND BAKERY PREP AREAS.
26. MOUNT DISCONNECT SWITCHES AT +60" TO TOP OF OPERATING HANDLE UNLESS NOTED OTHERWISE.
27. PROVIDE WHITE DROP CORDS WHERE VISIBLE TO CUSTOMERS. PROVIDE BLACK DROP CORDS WHERE NOT VISIBLE TO CUSTOMERS.
28. INSTALL PREP ROOM RACEWAY OUTSIDE INSULATED WALL PANELS AND STUB THROUGH PANELS INTO OUTLET BOXES.
29. DO NOT SURFACE MOUNT RACEWAY IN MEAT AND PRODUCE PREP ROOMS.
30. NOT USED.
31. NOT USED.
32. PROVIDE SO CORD AS REQUIRED. KROGER SHALL NOT FURNISH SO CORD AS A DIRECT BUY ITEM.
33. WIRE CASE LIGHT, CASE FANS, ANTISWEAT, AND DEFROST BRANCH CIRCUITS TO SUITABLE PANELBOARDS TO MATCH EXISTING INSTALLATION WHERE PRACTICABLE.
34. COORDINATE EXACT DEVICE LOCATIONS WITH KROGER ENGINEER BEFORE ROUGH-IN.
35. CONDUIT AND WIRE SIZES INDICATED ARE MINIMUM REQUIREMENTS.
36. RING OUT AND OTHERWISE IDENTIFY ALL FEEDERS AND BRANCH CIRCUITS. PROVIDE NEW ENGRAVED LABELS AND TYPEWRITTEN DIRECTORIES FOR ALL PANELBOARDS, SWITCHBOARDS, AND OVERCURRENT DEVICES.
37. REFER TO A-SERIES SHEETS FOR ADDITIONAL REQUIREMENTS.
38. REFER TO EM-SERIES SHEETS FOR ADDITIONAL REQUIREMENTS.
39. WIRE WALK-IN DOOR MONITORS DAC-55 UNSWITCHED TO LOCAL 120/1 BRANCH CIRCUIT (WALK-IN FAN COIL OR DOOR HEATER).
40. PROVIDE 208V POWER TO SUCTION STOP SOLENOIDS. WIRE TO NEAREST SUITABLE EXISTING 208V CONTROL CIRCUITS. REFER TO SHEET EM-2 FOR LOCATIONS. FIELD VERIFY CONTROL VOLTAGE.

ALTERNATE NO. 3:

PROVIDE A SEPARATE PRICE TO REPLACE THE EXISTING FROZEN DOOR CASES, IN FROZEN FOODS, WITH NEW DOOR CASES (84 DOORS).

THE BASE BID WILL BE FOR THE EXISTING FROZEN DOOR CASES TO REMAIN.

issued for:		
	ADDENDUM NO. 1	02/01/2024
	BIDS AND PERMITS	01/12/2024
	90% OWNER REVIEW	12/14/2023

PROPOSED MINOR INTERIOR REMODEL FOR:

Kroger

STORE NO. D-715

1215 24TH ST
PORT HURON, MI 48060

THE KROGER CO. OF MICHIGAN

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POWER PLAN

project no. 23085

sheet no. E1.3

PLOT FULL SIZE • 30"x42"

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