POWER KEYNOTE LEGEND

Key Value	Keynote Text
P1	CONNECT NEW/RELOCATED REFRIGERATED CASES TO EXISTING POWER CIRCUITS (FANS, LIGHTS, ANTI-SWEATS) PREVIOUSLY SERVING DEMOLISHED CASES. NEW/RELOCATED REFRIGERATED CASES TO BE CONNECTED TO ALL EXISTING REFRIGERATION CIRCUITS (DEFROST, TEMPERATURE SENSOR, DEFROST TERMINATION SENSOR, ETC.) AS REQUIRED. CONTRACTOR TO VERIFY EXISTING REFRIGERATION CIRCUITRY IS ROUTED TO THE APPROPRIATE REFRIGERATION RACK (SEE SHEET R1) AND REROUTE IF NECESSARY. PROVIDE NEW WIRING AS REQUIRED. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION AS REQUIRED. REFER TO REFRIGERATED EQUIPMENT LAYOUT PLAN (SHEET R1) FOR GROUPING OF CASES. MAKE ALL FINAL CONNECTIONS.
P2	EXISTING REFRIGERATED CASE(S) TO BE RELOCATED. EXTEND ALL EXISTING POWER CIRCUITS (FANS, LIGHTS, ANTI-SWEATS) TO NEW LOCATION. EXTEND ALL EXISTING REFRIGERATION CIRCUITS (DEFROST, TEMPERATURE SENSOR, DEFROST TERMINATION SENSOR, ETC.) AS REQUIRED TO NEW LOCATION. PROVIDE NEW WIRING AS REQUIRED. REFER TO REFRIGERATED EQUIPMENT LAYOUT PLAN (SHEET R1) FOR GROUPING OF CASES. MAKE ALL FINAL CONNECTIONS.
P5	PROVIDE OVERHEAD CORD DROP (WHITE) WITH TWISTLOCK MALE & FEMALE CONNECTORS AS REQUIRED BY CIRCUIT VOLTAGE AND AMPERAGE. MOUNT JUNCTION BOX ABOVE FINISHED CEILING OR AT BAR JOIST AT LOCATION WITH NO FINISHED CEILING (SALES AREA). TWISTLOCK DEVICES TO BE 6'-0" ABOVE FINISHED FLOOR. SEE ESD-16 AND ESD-16D ON DRAWING E0.1. COORDINATE EXACT LOCATION WITH KROGER PROJECT MANAGER.
P6	EXISTING EQUIPMENT TO BE RELOCATED. EXTEND ALL ASSOCIATED ELECTRICAL CIRCUITS (POWER, DATA/TELEPHONE, CORD DROPS, ETC.) TO NEW LOCATION. REUSE EXISTING CONDUIT, JUNCTION BOXES ETC. WHERE POSSIBLE. SEE POWER DEMOLITION PLANS FOR MORE INFORMATION. MAKE ALL FINAL CONNECTIONS.
P7	CONNECT NEW MISTING CONTROLLER TO CIRCUIT PREVIOUSLY SERVING DEMOLISHED MISTING CONTROLLER. CONTRACTOR SHALL VERIFY EXISTING LOCATION IN FIELD. MAKE ALL FINAL CONNECTIONS.
P9	CONNECT NEW/RELOCATED REFRIGERATED CASES TO EXISTING POWER CIRCUITS (FANS, LIGHTS, ANTI-SWEATS) SERVING ADJACENT CASES. NEW/RELOCATED REFRIGERATED CASES TO BE CONNECTED TO ALL EXISTING REFRIGERATION CIRCUITS (DEFROST, TEMPERATURE SENSOR, DEFROST TERMINATION SENSOR, ETC.) AS REQUIRED. PROVIDE NEW WIRING AS REQUIRED. REFER TO REFRIGERATED EQUIPMENT LAYOUT PLAN (SHEET R1) FOR GROUPING OF CASES. IF NECESSARY, PROVIDE NEW CIRCUITS FROM SPARES AVAILABLE IN THE EXISTING PANELS USED FOR FANS, LIGHTS AND ANTI-SWEATS. NOTE ALL ANTI-SWEAT CIRCUITS ARE TO BE ROUTED THROUGH THE ANTI-SWEAT CONTROL PANEL. MAKE ALL FINAL CONNECTIONS.
P10	FROM JUNCTION/TELEPHONE OUTLET BOX, MOUNTED AT HEIGHT INDICATED, ROUTE A CONCEALED 3/4" CONDUIT (W/PULLWIRE), UNLESS NOTED OTHERWISE, BY THE MOST PRACTICAL MEANS AVAILABLE TO ABOVE FINISHED CEILING OR TO BAR JOIST AT LOCATIONS WITH NO FINISHED CEILINGS. PROVIDE NUMBER OF JUNCTION BOXES AND CONDUITS AS REQUIRED. COORDINATE REQUIREMENTS WITH LOW VOLTAGE CONTRACTOR PRIOR TO ROUGH-IN.
P11	CONNECT NEW EQUIPMENT TO EXISTING CIRCUIT/RECEPTACLE SERVING DEMOLISHED EQUIPMENT. VERIFY EXISTING CIRCUITS TO BE SUITABLE FOR NEW EQUIPMENT. REUSE EXISTING CONDUIT, CORD DROP, ETC. WHERE POSSIBLE. CONTRACTOR SHALL VERIFY EXISTING LOCATION IN FIELD. IF NECESSARY, PROVIDE NEW CIRCUIT BREAKER, CONDUCTORS AND ELECTRICAL EQUIPMENT AS REQUIRED. EXTEND CIRCUIT TO NEW LOCATION AS REQUIRED. MAKE ALL FINAL CONNECTIONS.
P12	EXISTING SHELVING TO BE RELOCATED. EXTEND ALL ASSOCIATED ELECTRICAL CIRCUITS (POWER, DATA/TELEPHONE, ETC.) TO NEW LOCATION. REUSE EXISTING CONDUIT, JUNCTION BOXES, CORD DROPS, ETC. WHERE POSSIBLE. SEE POWER DEMOLITION PLANS FOR MORE INFORMATION. MAKE ALL FINAL CONNECTIONS.
P13	PROVIDE OVERHEAD CORD DROP WITH DUPLEX RECEPTACLE. MOUNT JUNCTION BOX ABOVE FINISHED CEILING OR AT BAR JOIST AT LOCATION WITH NO FINISHED CEILING (SALES AREA). RECEPTACLES TO BE 6'-0" ABOVE FINISHED FLOOR. WHITE COLOR AT LOCATIONS WHEN VISIBLE TO PUBLIC AND BLACK COLOR OTHER AREAS. SEE ESD-16A ON E5-SERIES DRAWINGS. COORDINATE EXACT LOCATION WITH KROGER PROJECT MANAGER.
P19	CONNECT NEW EXHAUST FAN TO EXISTING CIRCUIT AND CONTROLS PREVIOUSLY SERVING DEMOLISHED EXHAUST FAN. PROVIDE ELECTRIC AS REQUIRED FOR NEW EXHAUST FAN. SEE H.V.A.C. PLANS AND SPECIFICATIONS. SEE ESD-25 FOR WIRING DIAGRAM.
P24	CONNECT NEW FLORAL RECEPTACLES TO EXISTING CIRCUIT/RECEPTACLE SERVING DEMOLISHED FLORAL WORKSTATION. VERIFY EXISTING CIRCUITS TO BE SUITABLE FOR NEW EQUIPMENT. REUSE EXISTING CONDUIT, CORD DROP, ETC. WHERE POSSIBLE. CONTRACTOR SHALL VERIFY EXISTING LOCATION IN FIELD. IF NECESSARY, PROVIDE NEW CIRCUIT BREAKER, CONDUCTORS AND ELECTRICAL EQUIPMENT AS REQUIRED. EXTEND CIRCUIT TO NEW LOCATION AS REQUIRED. MAKE ALL FINAL CONNECTIONS.
P25	REFER TO RISD-36 AND RISD-36A IN THE FINAL REFRIGERATION PLANS (R-SHEETS) FOR PVC TUBING SIZE FEEDING REFRIGERATED CASES OVERHEAD.
P27	INSTALL JUNCTION BOX AND CIRCUIT TO POWER TWO QUEVISION HANGING FLAT SCREEN MONITORS. CONFIRM THE EXACT LOCATION OF THE MONITORS WITH QUEVISION INSTALLER AND KROGER PROJECT MANAGER BEFORE INSTALLING JUNCTION BOX. QUEVISION INSTALLER TO INSTALL 120 VOLT CONVENIENCE OUTLET ON HANGING MONITOR POLE/BRACKET AND MAKE FINAL CONNECTIONS AT JUNCTION BOX. QUEVISION SENSORS SHALL HAVE PRIORITY OVER THE LOCATION OF LIGHTING FIXTURES.
P28	ROUTE TO SPARE 20A/1P BREAKER AVAILABLE IN PANEL LH OR NEAREST 120V ELECTRICAL PANEL WITH AVAILABLE SPACE. IF 20A/1P BREAKER IS NOT AVAILABLE, PROVIDE NEW AS REQUIRED. PROVIDE ALL DEVICES AS REQUIRED. MAKE ALL FINAL CONNECTIONS.
P29	120 VOLT OUTLET BOX AT BAR JOIST FOR CONNECTION TO TELE-POWER POLE. TERMINATE AND LABEL CONDUCTORS IN OUTLETS AT BAR JOIST. SEE GENERAL POWER NOTE #18 (TYPICAL).
P30	PROVIDE A 12"X12" JUNCTION BOX MOUNTED TO THE BUILDING STRUCTURE 10' IN FRONT OF THE DELI/BAKERY OR MEAT/SEAFOOD SERVICE AREA SOFFIT OVER AISLE. RUN (6) 1" CONDUITS WITH PULLWIRE FED DIRECTLY FROM THE INDICATED PANEL OR CLOSEST PANEL WITH AVAILABLE SPACE TO PROVIDE A PATH TO RUN CIRCUITS FOR FUTURE EQUIPMENT WITHOUT DISTURBING THE DEPARTMENT OPERATION.
P32	CONCEALED 1" CONDUIT (WITH PULL WIRE), UNLESS NOTED OTHERWISE, ROUTED BY THE MOST PRACTICAL MEANS AVAILABLE, OR AS NOTED, TO ABOVE FINISHED CEILING OR TO BAR JOIST AT LOCATIONS WITH NO FINISHED CEILINGS FOR ALL LOW VOLTAGE WIRING. STUB CONDUIT UP 2" ABOVE FLOOR WITH BUSHING FOR FLOOR LOCATIONS IN A STRAIGHT LINE ALIGNED WITH THE ELECTRICAL POWER OUTLETS WHEN PRESENT. SEE POWER DRAWING FOR REFERENCE.
P33	SIMILAR TO ESD-16A WITHOUT CORD DROP. INSTALL JUNCTION BOX IN A STRAIGHT LINE ALIGNED WITH THE ELECTRICAL POWER OUTLETS. SEE POWER DRAWINGS FOR REFERENCE.
P34	WALL MOUNTED ENCLOSURE WITH CONTROL SWITCHES AND HOOD FAN STARTERS MOUNTED 3'-6" AFF. TO BOTTOM. SEE ESD-35A.
P35	200W FOR EXHAUST HOOD LIGHTS.
P36	TO A "20AMP, 120 VOLT BREAKER IN ELECTRICAL PANEL -- ENERGIZING THE SHUNTING DEVICES FOR THE FIRE EXTINGUISHING SYSTEM, SEE SPECIFICATIONS.
P72	SEE EISD-2 FOR SHELVING ELECTRIC FED FROM OVERHEAD. USE EXISTING CONDUIT WHERE POSSIBLE. COORDINATE ALL REQUIREMENTS WITH KROGER PROJECT MANAGER. MAKE ALL FINAL CONNECTIONS.
P89	JUNCTION BOX FOR COOLING COIL FANS. PROVIDE 120 VOLT, 1PH CIRCUIT WITH AMPERAGE AS INDICATED.

MECHANICAL EQUIPMENT SCHEDULE

MARK	VOLTAGE	PHASES	HP	KW	FLA	MCA	MOCP	DISCONNECT	BRANCH CIRCUIT	NOTES
EF-2A	208	3	1		3.3			MOTOR RATED SWITCH	2#12+#12G - 3/4"C.	
EF-2B	208	3	1		3.3			MOTOR RATED SWITCH	2#12+#12G - 3/4"C.	
EF-11	208	3	.5		1.8			MOTOR RATED SWITCH	3#12+#12G - 3/4"C.	

MECHANICAL EQUIPMENT SCHEDULE NOTES

1. CIRCUITS FOR POWER, CONTROL, ETC. THROUGH THE ROOF SHALL BE INSIDE THE UNIT CURB.
2. PROVIDE RECEPTACLE (WP, GFCI) FOR MAINTENANCE PER NEC. CIRCUIT AS INDICATED ON DRAWINGS.
3. THE FOLLOWING FCU'S ARE FED FROM THE RESPECTIVE HP'S. PROVIDE 5#12+#12G - 1"C. BETWEEN THE RECEPTIVE UNITS. SEE MECHANICAL DRAWINGS FOR LOCATION OF FCU'S. FCU-1, FCU-2A, FCU-2B.
4. SEE WATER HEATER CONNECTION DETAIL.
5. EXHAUST FAN POWER TO BE ROUTED THROUGH HOOD CONTROL PANEL. SEE LIGHTING PLAN AND MECHANICAL PLANS FOR MORE INFORMATION.
6. EXHAUST FAN FED FROM BAKERY OVEN. SEE POWER PLAN FOR MORE INFORMATION.
7. UNIT FURNISHED WITH FACTORY INSTALLED (WP, GFCI) MAINTENANCE REEPTACLE. CIRCUIT AS INDICATED ON DRAWINGS.

MECHANICAL EQUIPMENT SCHEDULE GENERAL NOTES

A. VERIFY ELECTRICAL REQUIREMENTS OF PURCHASED UNITS PRIOR TO ROUGH-IN.
B. PROVIDE DISCONNECT SWITCH INDICATED.
C. EXTERIOR FLEXIBLE CONDUIT SHALL BE "SEALTITE" OR EQUAL.

NO SURFACE MOUNTED CONDUIT OR PIPING ALLOWED IN MEAT AND PRODUCE PREP ROOMS.

THE ONLY SURFACE-MOUNTED CONDUIT PERMITTED IN THE DELI AND BAKERY PREP ROOMS SHALL BE ON THEIR COOLER AND FREEZER WALL AND CEILINGS.

RUN CONDUITS OUTSIDE INSULATED WALL PANELS, STUB THRU TO OUTLET BOXES INSIDE PREP.

FOR ELECTRICAL FEED TO SHELVING, INSTALL RIGID STEEL CONDUIT FROM A JUNCTION BOX LOCATED IN THE STRUCTURAL STEEL [illegible]. LOCATE CONDUIT IN CENTER OF SHELVING RUN; PAINT CONDUIT TO MATCH COLUMNS.

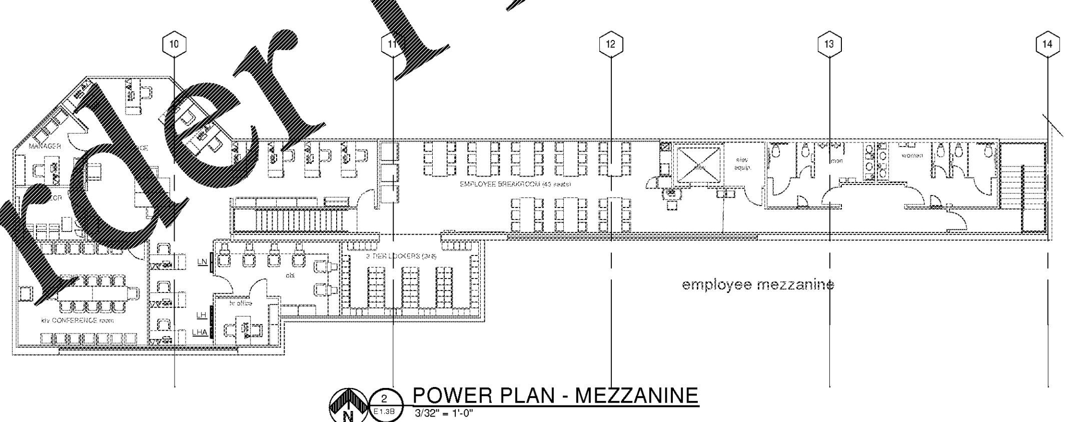
REFER TO SHEET E0.1 FOR GENERAL POWER NOTES AND SYMBOL LEGEND.

AT MECHANICAL CHASES AND STORES WITHOUT CEILING IN SALES AREA, GROUP VERTICAL PIPING (REFRIGERATION, ELECTRICAL CONDUIT AND MECHANICAL DROPS) NEATLY TOGETHER AS POSSIBLE AND PAINT TO MATCH STRUCTURAL COLUMNS.

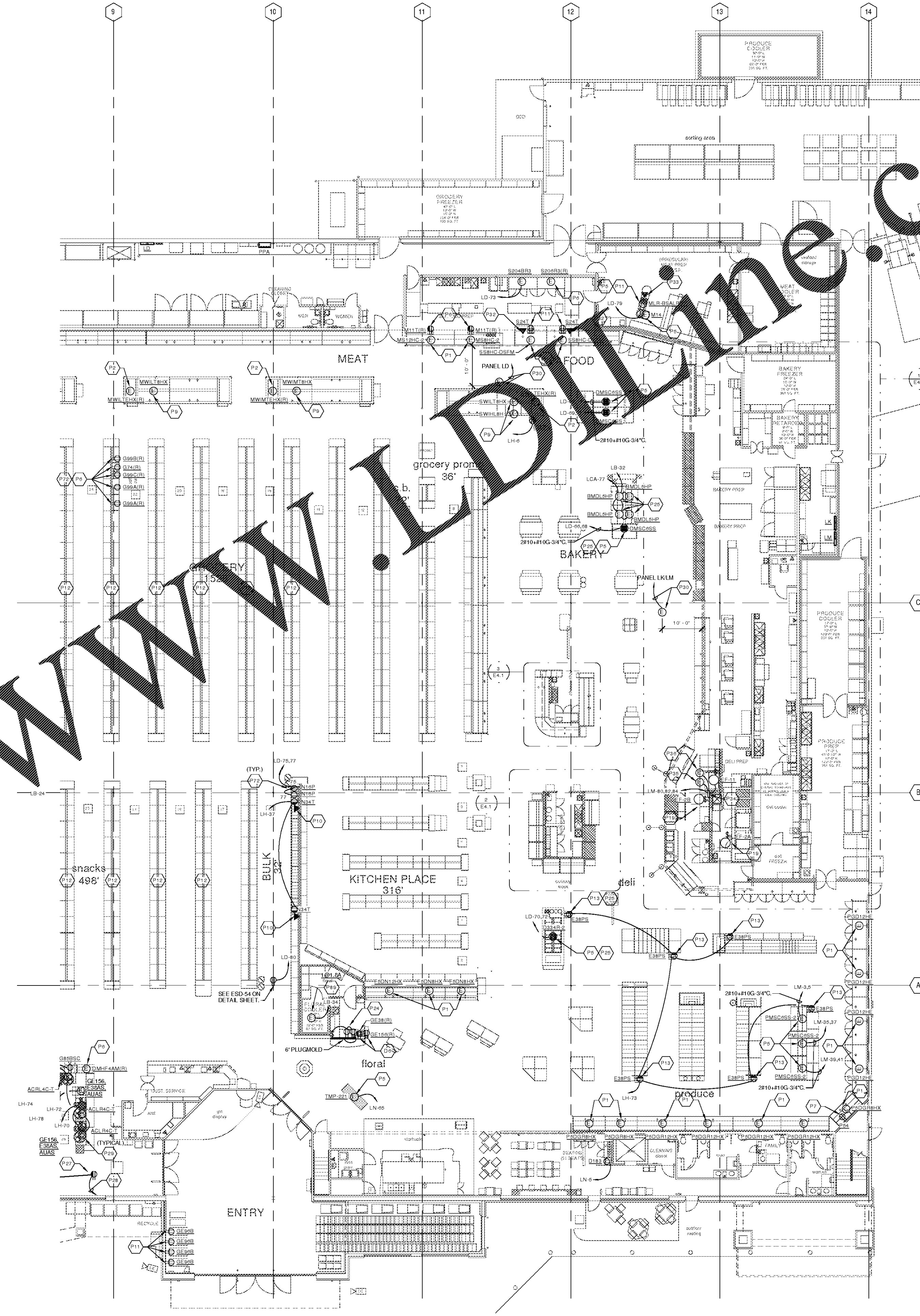
NO ELECTRICAL EQUIPMENT SHALL BE LOCATED UNDERNEATH THE SKYLIGHTS INCLUDING BUT NOT LIMITED TO CONDUIT, LIGHTS, CABLES FOR SIGNAGE, ETC.

REFER TO E5 SERIES SHEETS FOR ELECTRICAL STANDARD DETAILS (ESDs).

ALL CONDUITS IN SALES AREA FROM ROOF TO LOW WALLS OR EQUIPMENT SHALL BE COORDINATED AND GROUPED TOGETHER WITH OTHER MECHANICAL CONDUITS.



2 E1.3B POWER PLAN - MEZZANINE
3/32" = 1'-0"



1 E1.3B ELECTRICAL POWER PLAN - RIGHT
3/32" = 1'-0"

ROBERTSON LOIA ROOF
ARCHITECTS & ENGINEERS
3450 Preston Ridge Road, Suite 275, Alpharetta, GA. 30005
770.674.2600

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Kroger L-407 - Remodel
3101 RICHMOND ROAD
LEXINGTON, KY
FOR:
The Kroger Company
1600 Ormsby Station Court, Louisville, KY 40223

REVISIONS

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ELECTRICAL POWER PLAN - RIGHT

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