



AIA® Document G701® – 2017

Change Order

PROJECT: *(Name and address)*

RHS Culinary Arts Renovation BG 25-203
1103 W 9th Street
Russellville, KY 42276

CONTRACT INFORMATION:

Contract For: General Construction
Date: the 18th day of March in the year
2025

CHANGE ORDER INFORMATION:

Change Order Number: 001
Date: the 17th day of June in the year
2025

OWNER: *(Name and address)*

Russellville Independent Schools
355 S. Summer Street
Russellville, KY 42276

ARCHITECT: *(Name and address)*

Hawkins Abney, PLLC
1503 N Main St
Beaver Dam, KY 42320

CONTRACTOR: *(Name and address)*

A&K Construction, Inc.
100 Calloway Ct.
Paducah, KY 42001

THE CONTRACT IS CHANGED AS FOLLOWS:

(Insert a detailed description of the change and, if applicable, attach or reference specific exhibits. Also include agreed upon adjustments attributable to executed Construction Change Directives.)

Changes to feed two panelboards from the existing main gear which includes downsizing from 800A to 400A, utilizing existing tap from main gear and omitting the UL re-certification. See included PR01 and included breakout from A&K.

The original Contract Sum was	\$ 1,730,000.00
The net change by previously authorized Change Orders	\$ 0.00
The Contract Sum prior to this Change Order was	\$ 1,730,000.00
The Contract Sum will be decreased by this Change Order in the amount of	\$ (32,625.62)
The new Contract Sum including this Change Order will be	\$ 1,697,374.38

The Contract Time will be unchanged by Zero (0) days.

The new date of Substantial Completion will be

NOTE: This Change Order does not include adjustments to the Contract Sum or Guaranteed Maximum Price, or the Contract Time, that have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.

NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.

ARCHITECT *(Signature)*

BY: Jeremiah Hawkins, Managing
Principal

*(Printed name, title, and license
number if required)*

Date

CONTRACTOR *(Signature)*

BY: Bill Boyd, President

(Printed name and title)

Date

OWNER *(Signature)*

BY: Kyle Estes, Superintendent

(Printed name and title)

Date

Russellville Culinary Arts Renovation 2452-25
A & K Construction, Inc.
Proposal - Change Order Request #1
5/18/2025

Division	Contractor	Labor	Material	Total
Electrical	Knight Electric	\$ 757.00	\$ (33,382.62)	\$ (32,625.62)
Sub-Total		\$ 757.00	\$ (33,382.62)	\$ (32,625.62)
Total				\$ (32,625.62)

Russellville Culinary Arts Renovation 2452-25
A & K Construction, Inc.
Proposal - Change Order Request #1
18-May-25

Description	Material Quantity	Material Unit Price	Material Total	Labor Hours	Labor Rates	Labor Total
A & K Construction, Inc.						
Square D	1	\$ (34,008.00)	\$ (34,008.00)	(25)	\$ 75.00	\$ (1,868.00)
2" EMT	140	3.66	512.40	17	75.00	1,275.00
3" EMT	(40)	6.54	(261.60)	(6)	75.00	(450.00)
4" EMT	(10)	8.78	(87.80)	(2)	75.00	(150.00)
2" EMT STEEL SS CONN	32	5.37	171.84	5	75.00	375.00
3" EMT STEEL SS CONN	(4)	25.06	(100.24)	(1)	75.00	(75.00)
4" EMT STEEL SS CONN	(4)	47.72	(190.88)	(1)	75.00	(75.00)
2" EMT STEEL SS COUP	22	6.74	148.28	3	75.00	225.00
3" EMT STEEL SS COUP	(6)	18.90	(113.40)	(1)	75.00	(75.00)
4" EMT STEEL SS COUP	(2)	24.49	(48.98)	(1)	75.00	(75.00)
2" Plastic bushing	6	6.41	38.46	3	75.00	225.00
3" Plastic bushing	(4)	9.70	(38.80)	(2)	75.00	(150.00)
2" Grounding Bushing	13	31.70	412.10	5	75.00	375.00
4" Grounding Bushing	(2)	73.00	(146.00)	(2)	75.00	(150.00)
2" EMT 1 HOLE STRAP	22	1.48	32.56	1	75.00	75.00
3" EMT 1 HOLE STRAP	(6)	3.91	(23.46)	(1)	75.00	(75.00)
4" EMT 1 HOLE STRAP	(2)	10.08	(20.16)	(1)	75.00	(75.00)
8 THHN STR CU	30	0.68	20.40	1	75.00	75.00
6THHN STR CU	110	1.05	115.50	1	75.00	75.00
4THHN STR CU	(50)	1.48	(74.00)	(1)	75.00	(75.00)
3 THHN STR CU	150	1.99	298.50	4	75.00	300.00
3/0 THHN STR CU	510	5.45	2,779.50	19	75.00	1,425.00
300 THHN STR CU	(100)	8.09	(809.00)	(2)	75.00	(150.00)
500 THHN STR CU	(150)	13.55	(2,032.50)	(6)	75.00	(450.00)
Labor Investigation				2	75.00	150.00
Misc. Materials	1	42.66	42.66	1	75.00	75.00
Totals			\$ (33,382.62)			\$ 757.00

Russellville Culinary Arts Renovation 2452-25
A & K Construction, Inc.
Proposal - Change Order Request #1
18-May-25

Material & Equipment	(33,382.62)	10.09	757.00
Equipment	0.00		
Material & equip total	(33,382.62)		
Labor	757.00		
Sub Total	(32,625.62)		
Total	(32,625.62)		

Hawkins Abney, PLLC – Proposal Request Form

Project No.: 24-23

DATE: 05.07.2025

Project Name: New Central Office and Bus Garage

Contractor: A&K Construction

Proposal Request No.: 01

DESCRIPTION:

Please refer to the updated drawing sheets and type written page from CMTA for changes regarding electrical scope of work.

Pricing should include any additional or credit costs for materials and labor, and overhead and profit.

ATTACHMENTS: Written description and 5 drawing sheets provided by CMTA.

Jeremiah Hawkins, AIA, LEED Green Associate
Managing Principal
Hawkins Abney, PLLC



May 7, 2025

Re: PR-01– Electrical Panelboards
Russellville Independent Schools Culinary Arts Renovation
CMTA Project No. XRIH24

Mr. Jeremiah Hawkins,

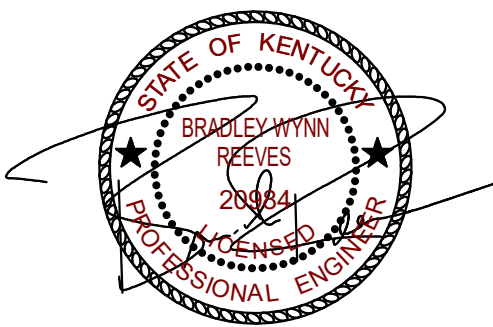
Please issue the following directive as a PR for the aforementioned project. The PR includes the following drawings and written description:

1. Refer to Sheet E1.0 – ELECTRICAL – DEMOLITION – OVERALL PLAN
 - a. Refer to clouded region and clouded notes stating that existing tap feeder conductors shall remain for new MP1 panelboard.
2. Refer to Sheet E3.0 – POWER – NEW WORK – OVERALL PLAN
 - a. Refer to clouded region and clouded notes for provision of power to new panelboards.
 - b. General: Refer to homerun arrows and updated panel-circuit number for each circuit. This issuance shall be used for panel numbering.
3. Refer to Sheet E4.0 – MECHANICAL POWER – NEW WORK – OVERALL PLAN
 - a. General: Refer to homerun arrows and updated panel-circuit number for each circuit. This issuance shall be used for panel numbering.
4. Refer to Sheet E4.1 – MECHANICAL POWER – NEW WORK – ROOF PLAN
 - a. General: Refer to homerun arrows and updated panel-circuit number for each circuit. This issuance shall be used for panel numbering.
5. Refer to Sheet E5.0 – ELECTRICAL SCHEDULES
 - a. Refer to clouded changes on panel schedules. This issuance shall be used for panel numbering. Refer to Items (2), (3), and (4).

If you need any further assistance, please don't hesitate to contact me.

Sincerely,

Adrian Partridge



RUSSELLVILLE INDEPENDENT SCHOOLS
CULINARY ARTS RENOVATION
RUSSELLVILLE, KY

DATE	2/8/2025
PROJ.	24-23
DRAWN	ASP
BY:	DATE
REVISION	
1	3-7-25
2	5-7-25

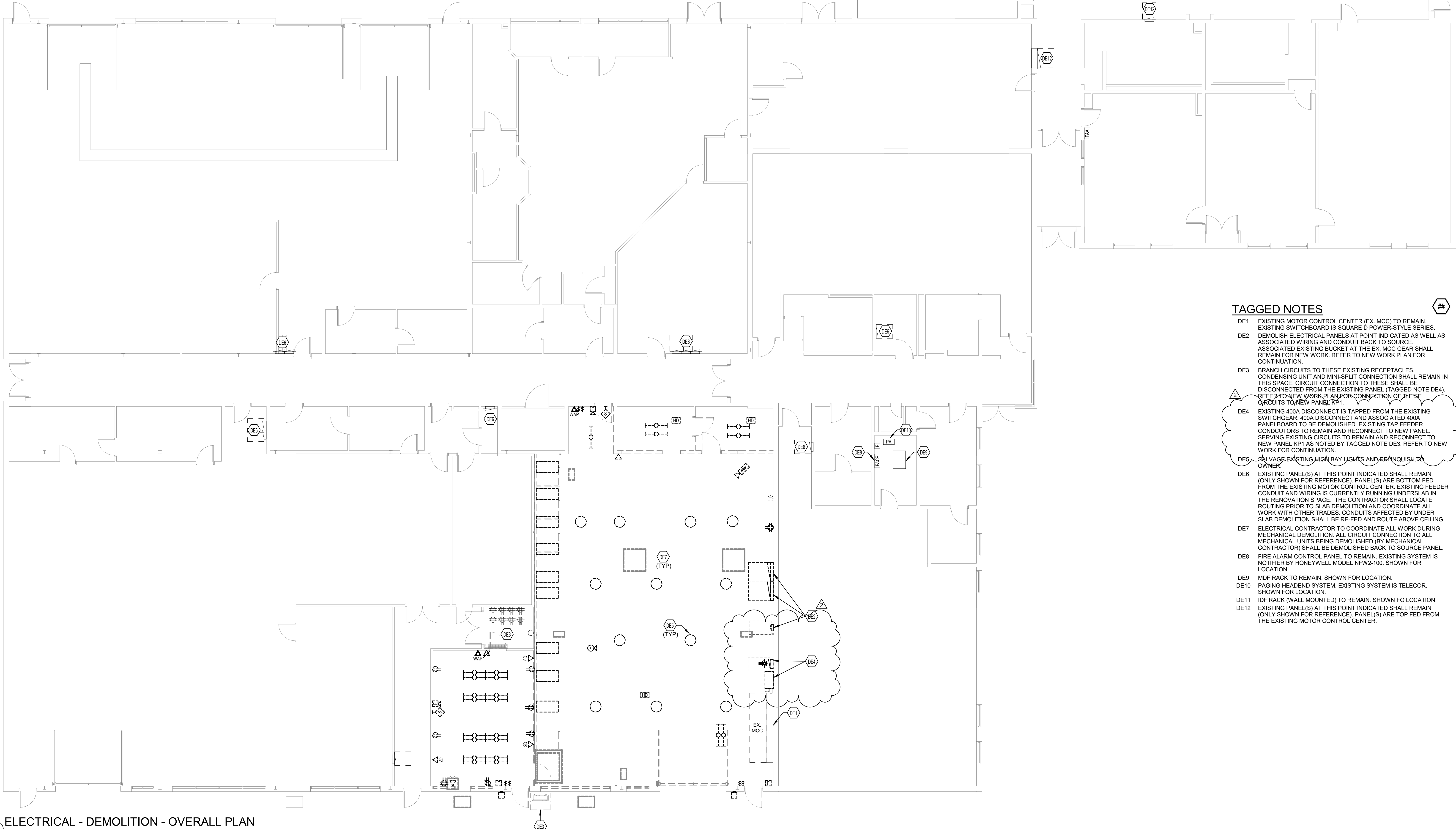
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ELECTRICAL
-
DEMOLITION
- OVERALL
PLAN

SHEET NO.

E1.0

- ELECTRICAL DEMOLITION NOTES:**
- A. DOTTED BLACK LINES INDICATE ITEMS FOR REMOVAL (UON), AND SOLID HALFTONE LINES INDICATE EXISTING ITEMS TO REMAIN.
- B. THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.
- C. LOCATIONS OF DEVICES, CONNECTIONS, ETC., INDICATED ON THIS DRAWING WERE TAKEN FROM VARIOUS SOURCES. THEY ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPOSING TO DO ANY PART OF THE WORK INDICATED HEREON SHALL VISIT THIS SITE AND DETERMINE TO HIS SATISFACTION THAT THEY MAY COMPLETE ALL WORK REQUIRED FOR THE BID WHICH HE PROPOSES.
- D. REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES / FIXTURES / ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT (UON). CONTRACTOR SHALL PATCH AND REPAIR ANY EXISTING WALLS, FLOORS OR CEILINGS WHERE DEVICES ARE SHOWN TO BE REMOVED (PATCH AND REPAIR TO RECEIVE NEW FINISHES - SEE ARCHITECTURAL PLANS).
- E. COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC., (INDICATED FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.
- F. COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.
- G. PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED.
- H. CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS / CEILINGS AS REQUIRED WHERE DEVICES ARE BEING REMOVED OR INSTALLED.
- I. UNUSED/ABANDONED CONDUCTORS DISCOVERED ABOVE ACCESSIBLE CEILINGS SHALL BE REMOVED IN ACCORDANCE WITH NEC REQUIREMENTS.
- J. EXISTING ELECTRICAL SYSTEMS IN CONFLICT WITH CONSTRUCTION SHALL BE RELOCATED TO PERMIT INSTALLATION OF DEVICES AND EQUIPMENT SHOWN ON PLANS.
- K. CONTRACTOR SHALL SEAL ALL EXISTING AND NEW PENETRATIONS OF BUILDING ENVELOPE (EXTERIOR WALLS, ROOF, ETC.) WATER-TIGHT AND AS APPROVED BY ARCHITECT AND ENGINEER. ROOFING SHALL BE RESTORED BY A LICENSED ROOFING CONTRACTOR BASED ON WRITTEN INSTRUCTIONS AND DETAILS FROM ROOFING MANUFACTURER AS REQUIRED TO MAINTAIN ROOF WARRANTY. REFER TO ARCHITECTURAL AND ENGINEERING PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.
- L. DEVICES INDICATED WITH AN "R" SHALL BE RELOCATED. REMOVE, PROTECT, AND REINSTALL IN NEW LOCATION INDICATED ON NEW WORK PLANS. INTERCEPT AND EXTEND ALL EXISTING CABLING TO NEW LOCATION. CLEAN AND RE-LAMP RELOCATED LUMINAIRES.
- M. ALL EXISTING PANELS AFFECTED BY THIS CONTRACTOR'S WORK SHALL BE PROVIDED WITH NEW TYPE-WRITTEN PANEL DIRECTORIES AND INSERT SLEEVES. PANEL DIRECTORIES SHALL NOT USE ROOM NAMES OR NUMBERS FROM THESE DRAWINGS. DIRECTORIES SHALL BE DETAILED AND COORDINATED WITH OWNER'S SUITE NUMBERS, FINAL ROOM NUMBERS, IT RACK NAMES, WORKSTATION DESIGNATIONS, ETC.. UNUSED BREAKERS SHALL BE IN OFF POSITION.
- N. CONTRACTOR TO VERIFY THAT THERE ARE NO ELECTRICAL CIRCUITS IN CHASES BEING REMOVED UNDER DEMOLITION WHICH REMAIN IN SERVICE AND CANNOT BE REMOVED. SHOULD SUCH CIRCUITS BE ENCOUNTERED, THE CONTRACTOR IS TO REROUTE AND RECONNECT AS REQUIRED TO MAINTAIN SERVICE.



TAGGED NOTES

- DE1 EXISTING MOTOR CONTROL CENTER (EX. MCC) TO REMAIN. EXISTING SWITCHBOARD IS SQUARE D POWER-STYLE SERIES.
- DE2 DEMOLISH ELECTRICAL PANELS AT POINT INDICATED AS WELL AS ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE. ASSOCIATED EXISTING BUCKET AT THE EX. MCC GEAR SHALL REMAIN FOR NEW WORK. REFER TO NEW WORK PLAN FOR CONTINUATION.
- DE3 BRANCH CIRCUITS TO THESE EXISTING RECEPTACLES, CONDENSING UNIT AND MINI-SPLIT CONNECTION SHALL REMAIN IN THIS SPACE. CIRCUIT CONNECTION TO THESE SHALL BE DISCONNECTED FROM THE EXISTING PANEL (TAGGED NOTE DE4). REFER TO NEW WORK PLAN FOR CONNECTION OF THESE CIRCUITS TO NEW PANEL KP1.
- DE4 EXISTING 400A DISCONNECT IS TAPPED FROM THE EXISTING SWITCHGEAR. 400A DISCONNECT AND ASSOCIATED 400A PANELBOARD TO BE DEMOLISHED. EXISTING TAP FEEDER CONDUCTORS TO REMAIN AND RECONNECT TO NEW PANEL. SERVING EXISTING CIRCUITS TO REMAIN AND RECONNECT TO NEW PANEL KP1 AS NOTED BY TAGGED NOTE DE3. REFER TO NEW WORK FOR CONTINUATION.
- DE5 SALVAGE EXISTING HIGH BAY LIGHTS AND RETURN TO OWNER.
- DE6 EXISTING PANEL(S) AT THIS POINT INDICATED SHALL REMAIN (ONLY SHOWN FOR REFERENCE). PANEL(S) ARE BOTTOM FED FROM THE EXISTING MOTOR CONTROL CENTER. EXISTING FEEDER CONDUIT AND WIRING IS CURRENTLY RUNNING UNDERSLAB IN THE RENOVATION SPACE. THE CONTRACTOR SHALL LOCATE ROUTING PRIOR TO SLAB DEMOLITION AND COORDINATE ALL WORK WITH OTHER TRADES. CONDUITS AFFECTED BY UNDER SLAB DEMOLITION SHALL BE RE-FED AND ROUTE ABOVE CEILING.
- DE7 ELECTRICAL CONTRACTOR TO COORDINATE ALL WORK DURING MECHANICAL DEMOLITION. ALL CIRCUIT CONNECTION TO ALL MECHANICAL UNITS BEING DEMOLISHED (BY MECHANICAL CONTRACTOR) SHALL BE DEMOLISHED BACK TO SOURCE PANEL.
- DE8 FIRE ALARM CONTROL PANEL TO REMAIN. EXISTING SYSTEM IS NOTIFIER BY HONEYWELL MODEL NFW2-100. SHOWN FOR LOCATION.
- DE9 MDF RACK TO REMAIN. SHOWN FOR LOCATION.
- DE10 PAGING HEADEND SYSTEM. EXISTING SYSTEM IS TELECOR. SHOWN FOR LOCATION.
- DE11 IDF RACK (WALL MOUNTED) TO REMAIN. SHOWN FO LOCATION.
- DE12 EXISTING PANEL(S) AT THIS POINT INDICATED SHALL REMAIN (ONLY SHOWN FOR REFERENCE). PANEL(S) ARE TOP FED FROM THE EXISTING MOTOR CONTROL CENTER.

ELECTRICAL KITCHEN NOTES:

A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.

B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RUN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.

C. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.

D. RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM SHALL BE MARKED IN ACCORDANCE WITH NEC 406.3(E).

E. LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.

ELECTRICAL KITCHEN NOTES:

A. PROVIDE BREAKER LOCK-OUT PROVISIONS IN PANELS FOR BREAKERS THAT SERVE HARD-WIRED KITCHEN EQUIPMENT CONNECTIONS.

B. KITCHEN PLANS ARE BASED UPON COORDINATION WITH THE KITCHEN DESIGN CONSULTANT'S DRAWINGS. ALL ROUGH-INS AND FINAL CONNECTIONS SHALL BE VERIFIED WITH KITCHEN EQUIPMENT SHOP DRAWINGS AND ARCHITECTURAL PLANS AND ELEVATIONS PRIOR TO CONSTRUCTION.

C. FOR ALL CIRCUITS SERVING RECEPTACLES AND EQUIPMENT IN KITCHEN AND SERVING AREAS, PROVIDE "GFCI" TYPE CIRCUIT BREAKERS FOR THOSE CIRCUITS. FOR ALL RECEPTACLES THAT ARE CONNECTED TO "GFCI" CIRCUIT BREAKERS, PROVIDE PERMANENT LABELS ON THE RECEPTACLE COVERPLATE INDICATING "GFCI PROTECTED CIRCUIT".

D. PROVIDE #12 STAINLESS STEEL COVERPLATES ON ALL OUTLETS LOCATED ON A WALL WITH STAINLESS STEEL COVERINGS. VERIFY LOCATIONS OF THESE STAINLESS STEEL WALLS WITH THE KITCHEN VENDOR DRAWINGS / SHOP DRAWINGS.

E. REFER TO KITCHEN ELECTRICAL CONNECTIONS SCHEDULES FOR MOUNTING HEIGHTS OF RECEPTACLES AND JUNCTION BOXES.

F. VERIFY EXACT OUTLET NEMA CONFIGURATIONS WITH EQUIPMENT SUPPLIER PRIOR TO CONSTRUCTION.

TAGGED NOTES

E1 ELECTRICAL CONNECTION TO KITCHEN UDS.

E2 30A, 240V, 2 POLE NON-FUSED, NEMA 12X STAINLESS STEEL DISCONNECT.

E3 60A, 240V, 3 POLE NON-FUSED, NEMA 12X STAINLESS STEEL DISCONNECT.

E4 120V CONNECTION TO HOOD CONTROLS.

E5 FIRE SUPPRESSION PULL STATION. COORDINATE WIRING WITH FOOD SERVICE PLANS (OF SERIES SHEETS).

E6 EXISTING PANELBOARD IS A SQUARE D NOO

E8 UTILIZE EXISTING 200A BUCKET/BREAKER AT THE EX MCC (PREVIOUSLY FEEDING WELDING PANELS E/F) TO FEED NEW KP1 PANELBOARD. PROVIDE 3-#30 PER PHASE, 1-#30 FOR NEUTRAL, AND 1-#6 FOR GROUND IN 2" CONDUIT.

E11 EXISTING TAP FEEDER CONDUCTORS FROM EX MCC SHALL TERMINATE AND THE NEW MP1 PANELBOARD

E12 SEWAGE PUMP PUMPS (DUPLEX SYSTEM) REFER TO UM 1.0 FOR ADDITIONAL INFORMATION. ELECTRICAL CONTRACTOR TO BE RESPONSIBLE FOR SINGLE POINT POWER CONNECTION TO CONTROL PANEL FOR BOTH PUMPS.

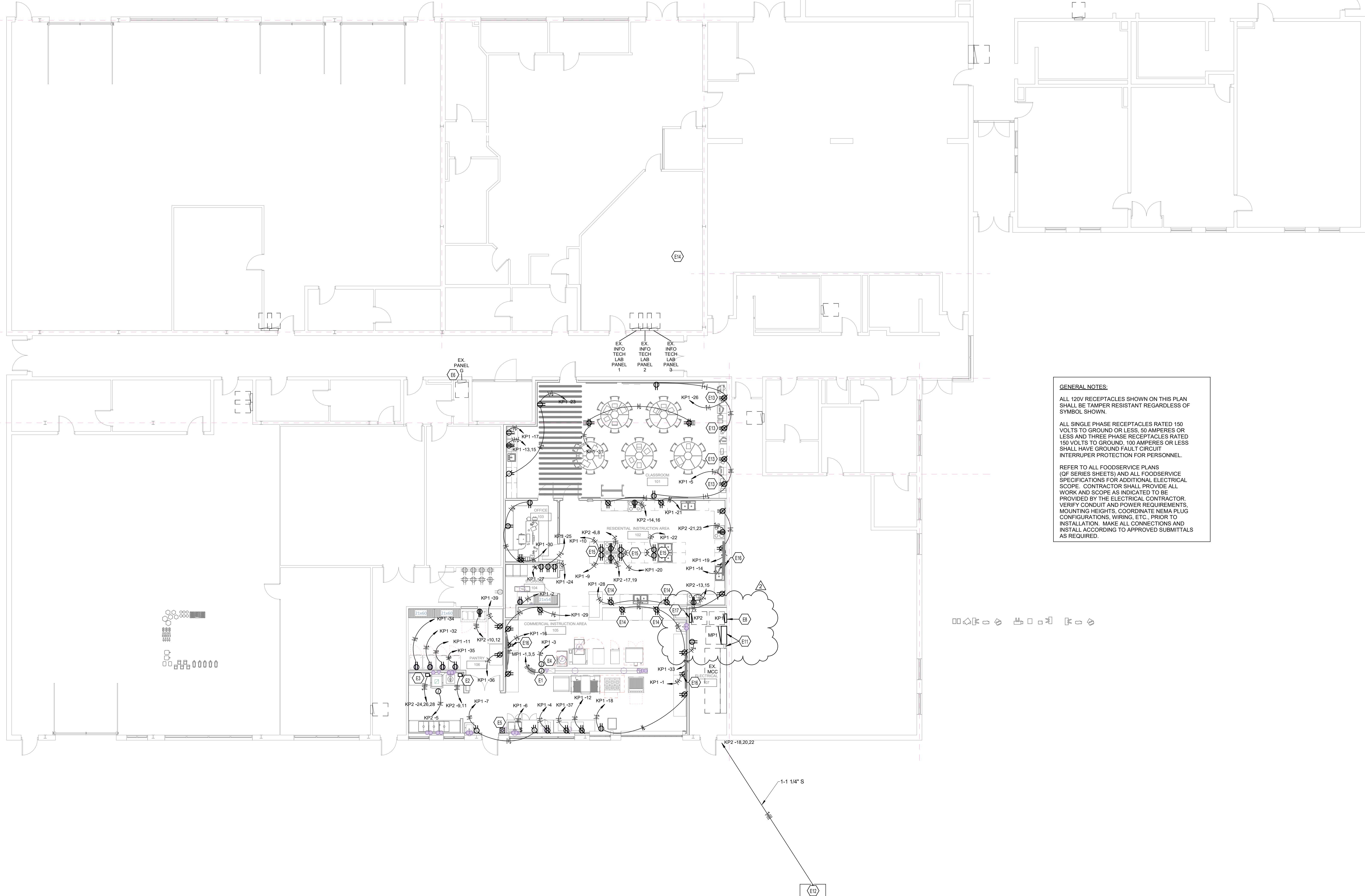
E13 COORDINATE RECEPTACLE ELEVATION WITH CUBBIES IN THIS AREA. ADJUST FINAL RECEPTACLE LOCATION ACCORDINGLY.

E14 COORDINATE RECEPTACLE ELEVATION WITH CASEWORK BACKSPLASH. ROTATE RECEPTACLES HORIZONTALLY. BACKSPLASH IS 8" TALL.

E15 TOMBSTONE QUADRUPEX OUTLET (DUPLEX ON EACH SIDE) ON TABLE TOP. EXTEND FLEXIBLE CONDUIT FROM FLOOR CONNECTION UP TO TOMBSTONE AND SECURE TO TABLE LEGS. REFER TO FLOOR OUTLET COUPLING TO FLEX STUB-UP DETAIL FOR ADDITIONAL INFORMATION.

E16 DEDICATED RECEPTACLE FOR OWNER PROVIDED INTERACTIVE SMART BOARD. COORDINATE WITH ARCHITECT OWNER FOR FINAL MOUNTING HEIGHT.

E17 UTILIZE EXISTING 400A BUCKET/BREAKER AT THE EX MCC (PREVIOUSLY FEEDING WELDING TIG SUB PANEL 1) TO FEED KP2 PANELBOARD. PROVIDE 2 RUNS OF 3-#30 PER PHASE, 1-#30 FOR NEUTRAL, AND 1-#3 FOR GROUND EACH RUN IN 2" CONDUIT.

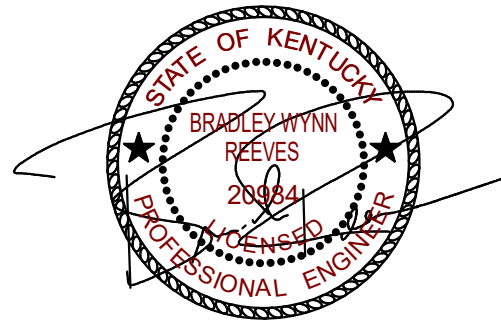


GENERAL NOTES:

ALL 120V RECEPTACLES SHOWN ON THIS PLAN SHALL BE TAMPER RESISTANT REGARDLESS OF SYMBOL SHOWN.

ALL SINGLE PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 50 AMPERES OR LESS AND THREE PHASE RECEPTACLES RATED 150 VOLTS TO GROUND, 100 AMPERES OR LESS SHALL HAVE GROUND FAULT CIRCUIT INTERRUPTER PROTECTION FOR PERSONNEL.

REFER TO ALL FOODSERVICE PLANS (OF SERIES SHEETS) AND ALL FOODSERVICE SPECIFICATIONS FOR ADDITIONAL ELECTRICAL SCOPE. CONTRACTOR SHALL PROVIDE ALL WORK AND SCOPE AS INDICATED TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR. VERIFY CONDUIT AND POWER REQUIREMENTS, MOUNTING HEIGHTS, COORDINATE NEMA PLUG CONFIGURATIONS, WIRING, ETC. PRIOR TO INSTALLATION. MAKE ALL CONNECTIONS AND INSTALL ACCORDING TO APPROVED SUBMITTALS AS REQUIRED.



RUSSELLVILLE INDEPENDENT SCHOOLS CULINARY ARTS RENOVATION RUSSELLVILLE, KY

DATE	2/8/2025
PROJ.	24-23
DRAWN	ASP
BY:	DATE
REVISION	
1	3-7-25
2	5-7-25

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**POWER -
NEW WORK -
OVERALL
PLAN**

SHEET NO.

E3.0

**RUSSELLVILLE INDEPENDENT SCHOOLS
CULINARY ARTS RENOVATION
RUSSELLVILLE, KY**

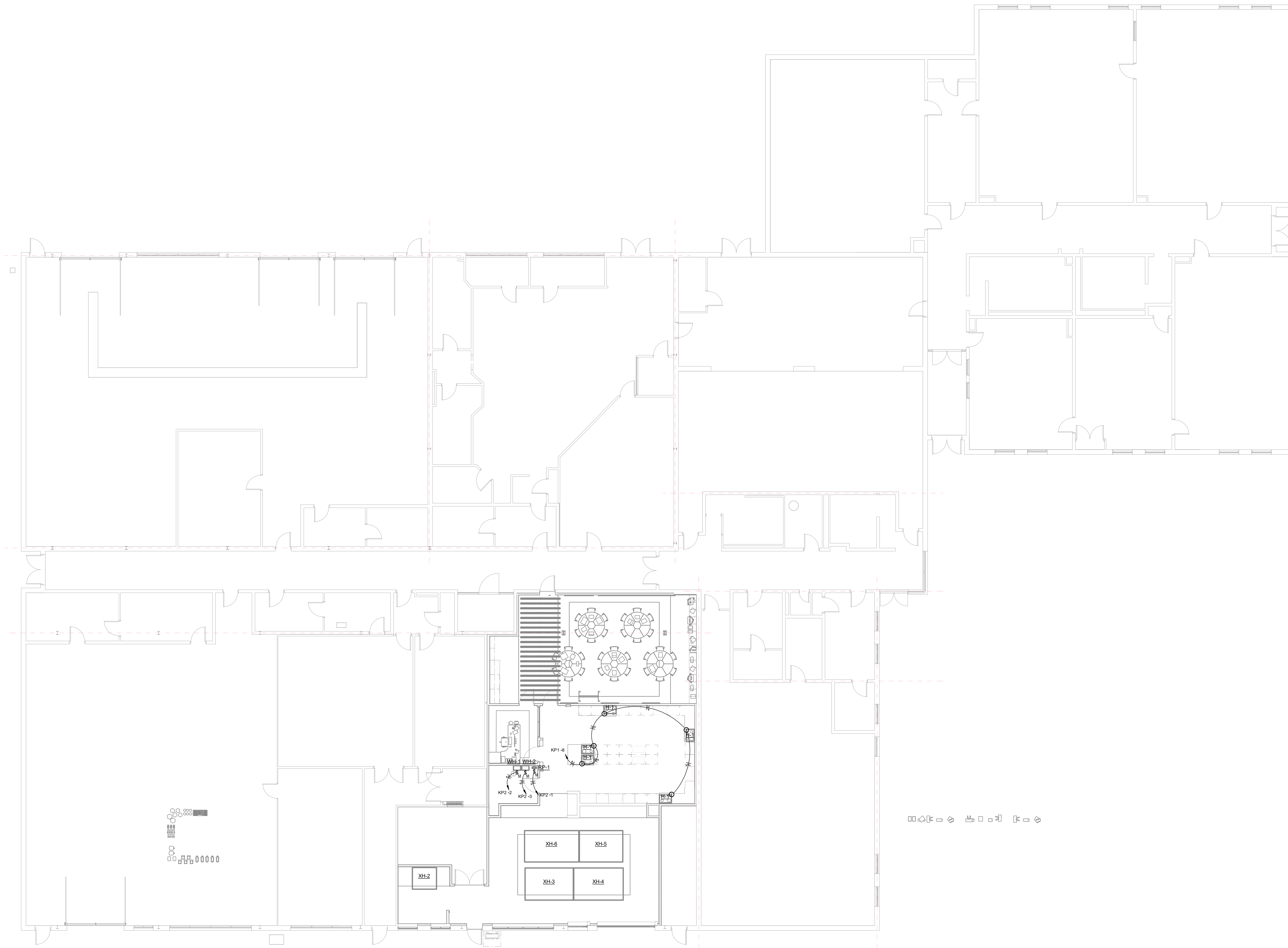
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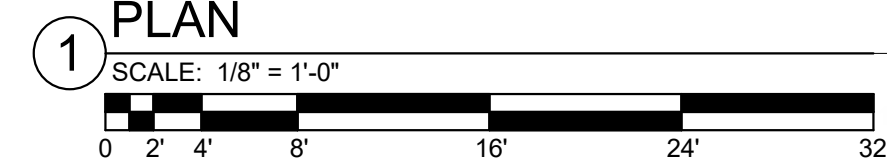
**MECHANICAL
POWER -
NEW WORK -
OVERALL
PLAN**

SHEET NO.

E4.0



**MECHANICAL POWER - NEW WORK - OVERALL
PLAN**



ELECTRICAL ROOF NOTES:

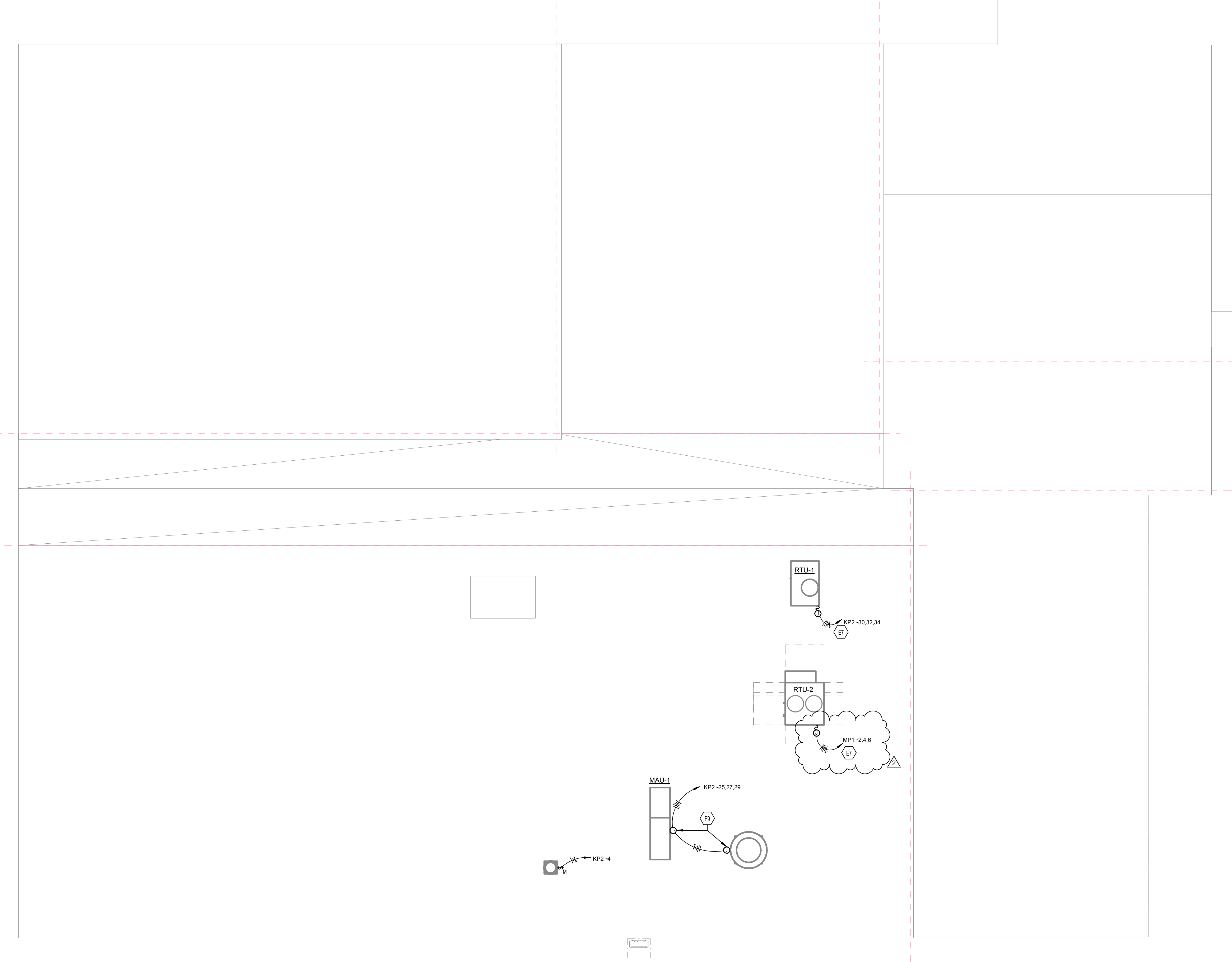
- A. REFER TO POWER, SYSTEMS, AND LIGHTING PLANS FOR GENERAL NOTES APPLICABLE TO INTERIOR SPACES SHOWN ON THIS PLAN.
- B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100.210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- C. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE ENGRAVED LAMACOR LABELS FOR ALL EXTERIOR DEVICES. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- D. PROVIDE UNI-STRUT AS REQUIRED FOR MOUNTING OF ALL DEVICES ON ROOF. COORDINATE WITH ROOFING CONTRACTOR PRIOR TO CONSTRUCTION FOR ALL PENETRATIONS. SEAL PENETRATIONS AS REQUIRED PER ROOFING CONTRACTOR AND ROOFING MANUFACTURER'S RECOMMENDATIONS AS REQUIRED TO MAINTAIN ROOF WARRANTY. PROVIDE CURBS AND/OR FLASHED BOOTS AT ALL DEVICES AND PENETRATIONS.
- E. CONDUITS SHALL PENETRATE ROOF FROM BELOW AS CLOSE TO FINAL ROOF EQUIPMENT TERMINATION POINT AS POSSIBLE. SUPPORT ALL ROOF MOUNTED CONDUITS AT INTERVALS NOT EXCEEDING 10 FEET WITH STRUT-BASED SUPPORT SYSTEM. SUPPORT SYSTEM TO BE CADDY PYRAMID ST SERIES OR APPROVED EQUAL.
- F. ALL CONDUIT EXPOSED TO DIRECT SUNLIGHT SHALL BE AT LEAST 12" ABOVE THE ROOF-TOP. NO CONDUIT SHALL BE EXPOSED TO DIRECT SUNLIGHT BELOW THIS HEIGHT.
- G. WHERE RACEWAY OR CONDUCTORS ARE INSTALLED EXPOSED ON ROOF, DERATE AMPACITY OF CONDUCTORS IN ACCORDANCE WITH NEC.
- H. LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.
- I. PROVIDE MAINTENANCE RECEPTACLE WITHIN 25 FT OF EACH MECHANICAL UNIT AS REQUIRED BY NEC. COORDINATE INSTALLATION LOCATIONS WITH FINAL EQUIPMENT LAYOUT PROVIDE BY MECHANICAL CONTRACTOR.
- J. CONDUIT FOR ROOF MOUNTED EQUIPMENT SHALL BE ROUTED IN CEILING SPACE BELOW ROOF DECK UON.

ELECTRICAL POWER NOTES:

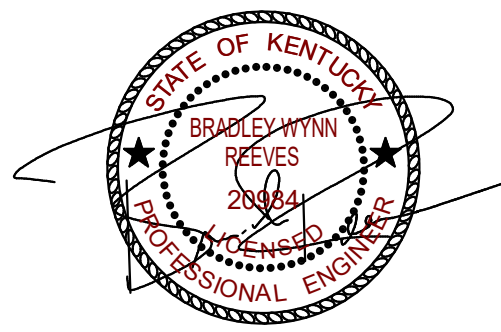
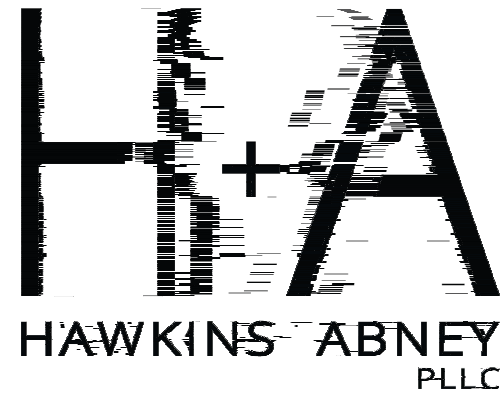
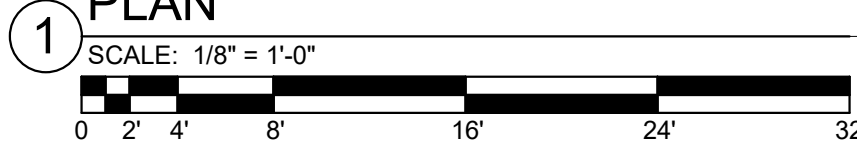
- A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100.210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- C. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- D. RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM SHALL BE MARKED IN ACCORDANCE WITH NEC 406.3(E).
- E. LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.

TAGGED NOTES

- E7 REFER TO KP2 PANEL SCHEDULE FOR WIRE SIZE AND OCPD RATING. DISCONNECT FURNISHED BY MECHANICAL CONTRACTOR AND ELECTRICAL CONTRACTOR TO INSTALL AND PROVIDE SUPPLY CIRCUIT CONNECTION.
- E9 UNIT IS PROVIDED WITH INTEGRAL MOTOR STARTER CONTROL PANEL WITH DISCONNECT. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL CIRCUIT CONNECTION TO PANEL AT MAU-1 AND EXTEND TO EXHAUST FAN UNIT. REFER TO PANEL SCHEDULE FOR OCPD AND WIRE SIZE. REFER TO FOODSERVICE PLANS FOR ADDITIONAL ELECTRICAL SCOPE.



MECHANICAL POWER - NEW WORK - ROOF PLAN



RUSSELLVILLE INDEPENDENT SCHOOLS
CULINARY ARTS RENOVATION
RUSSELLVILLE, KY

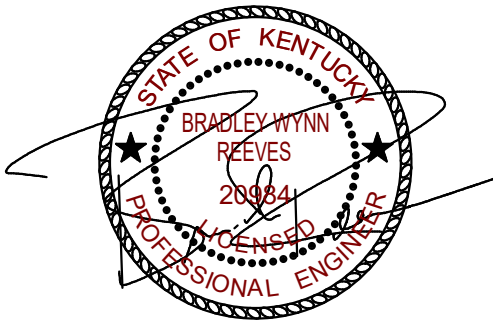
DATE	2/8/2025
PROJ.	24-23
DRAWN	ASP
BY:	DATE
REVISION	DATE
1	3-7-25
2	5-7-25

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MECHANICAL
POWER -
NEW WORK -
ROOF PLAN

SHEET NO.

E4.1



DATE	2/8/2025
PROJ.	24-23
DRAWN	ASP
BY:	DATE
REVISION	DATE
1	3-7-25
2	5-7-25

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ELECTRICAL
SCHEDULES

SHEET NO.

E8.0

ELEC - LUMINAIRE SCHEDULE										
TYPE	DESCRIPTION	BASIS OF DESIGN	EQUALS	LAMPS / CCT	DRIVER	MINIMUM LUMENS	MOUNTING	MAXIMUM WATTAGE	VOLTAGE	REMARKS
A1	2' X 2' VOLUMETRIC TROFFER WITH HIGH EFFICIENCY DRIVER.	LITHONIA 2BLT2-33LHE-ADP-EZ1-LP840	METALUX, COLUMBIA	LED / 4000K	0-10V DIM TO 1%	3336	RECESSED	25	120	
A1E	SAME AS ABOVE WITH 10 W EMERGENCY BATTERY PACK.	LITHONIA 2BLT2-33LHE-ADP-LP840-EZ1-EL14L	METALUX, COLUMBIA	LED / 4000K	0-10V DIM TO 1%	3336	RECESSED	25	120	
A2	2' X 2' VOLUMETRIC TROFFER WITH HIGH EFFICIENCY DRIVER.	LITHONIA 2BLT2-40LHE-ADP-EZ1-LP840	METALUX, COLUMBIA	LED / 4000K	0-10V DIM TO 1%	4155	RECESSED	30	120	
A2E	SAME AS ABOVE WITH 10 W EMERGENCY BATTERY PACK.	LITHONIA 2BLT2-40LHE-ADP-EZ1-LP840-EL14L	METALUX, COLUMBIA	LED / 4000K	0-10V DIM TO 1%	4155	RECESSED	30	120	
C1	6" RECESSED CAN LIGHT FIXTURE	GOTHAM EVO6-40/05-EZ1	PRESCOLITE, HALO	LED / 4000K	0-10V DIM TO 1%	463	RECESSED	7	120	
C2	6" RECESSED CAN LIGHT FIXTURE, FOOD SERVICE	GOTHAM EVO6FS-40/10-EZ1	PRESCOLITE, HALO	LED / 4000K	0-10V DIM TO 1%	870	RECESSED	10	120	
F1	INDUSTRIAL STRIP LIGHT	LITHONIA ZL1D-148-5000LM	COLUMBIA, WILLIAMS	LED / 4000K	NON DIMMING	5541	PENDANT 9' A.F.F.	41	120	
F1E	SAME AS ABOVE WITH 10 W EMERGENCY BATTERY PACK.	LITHONIA ZL1D-148-5000LM-E10W	COLUMBIA, WILLIAMS	LED / 4000K	NON DIMMING	5541	PENDANT 9' A.F.F.	41	120	
K1	2' X 2' RECESSED WET LOCATION TROFFER.	LITHONIA 2WRTL-F-L24-5000LM-AFL-MVOLT-EZ1-40K-80CRI	METALUX, COLUMBIA	LED / 4000K	0-10V DIM TO 1%	5081	RECESSED	41	120	
K1E	SAME AS ABOVE WITH 10 W EMERGENCY BATTERY PACK.	LITHONIA 2WRTL-F-L24-5000LM-AFL-MVOLT-EZ1-40K-80CRI-E10W-LCP	METALUX, COLUMBIA	LED / 4000K	0-10V DIM TO 1%	5081	RECESSED	41	120	
L1	4" X 8" PENDANT LINEAR FIXTURE	MARK S4PD-8FT-80CRI-40K-400LMF-MIN10	METALUX, COLUMBIA	LED / 4000K	0-10V DIM TO 1%	400LMF	PENDANT	26	120	
X1	SINGLE FACED EXIT SIGN W/ RED LETTERING	LITHONIA LOM	PATHWAY, EVENLITE					2		RED LETTERING

PANELBOARD AND WIRING SCHEDULE															
PANEL: KP1				MAINS TYPE: MLO				PANEL INTERRUPTING RATING: 42KAIC							
VOLTAGE: 208Y/120V, 3P, 4W				SPD:				LOCATION: ELECTRICAL 107							
AMPERES: 225 A				MOUNTING: SURFACE				SUPPLY FROM: EX, MCC							
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCB P	P	CKT	A	B	C	CKT	P	OCB	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES	
GFI	REC - TV	1-#12, 1-#12, 1-#12	20	1	1	0.2	0.8		2	1	20	1-#12, 1-#12, 1-#12	REC ICE MAKER W/ BIN	GFI	
	HOOD CONTROLS	1-#12, 1-#12, 1-#12	20	1	1			0.5	0.7	4	1	1-#12, 1-#12, 1-#12	SLICER		
	REC 101 CLASSROOM	1-#12, 1-#12, 1-#12	20	1	5			0.5	1.0	6	1	1-#12, 1-#12, 1-#12	DISPOSER		
GFI	REC 105 COMMERCIAL INSTR. AREA	1-#12, 1-#12, 1-#12	20	1	7	0.8	0.9		8	1	20	1-#12, 1-#12, 1-#12	H-1 KITCHEN RESIDENTIAL HOODS		
GFI	REC	1-#12, 1-#12, 1-#12	20	1	9			0.8	0.8	10	1	1-#12, 1-#12, 1-#12	REC		
GFI	REFRIGERATOR FREEZER...	1-#12, 1-#12, 1-#12	15	1	11			1.0	1.0	12	1	1-#12, 1-#12, 1-#12	CATERING WARMER		
GFI	DRYER	2-#10, 1-#10, 1-#10	30	2	13	0.8	0.2		14	1	20	1-#12, 1-#12, 1-#12	REC - TV	GFI	
	WASHER	1-#12, 1-#12, 1-#12	20	1	17		0.8	0.2		16	1	1-#12, 1-#12, 1-#12	REC - TV		
GFI	REC 102 RES. INSTR. AREA	1-#12, 1-#12, 1-#12	20	1	19	0.4	0.4	0.2	0.4	20	1	1-#12, 1-#12, 1-#12	REC 105 COMMERCIAL INSTR. AREA	GFI	
GFI	REC 102 RESIDENTIAL...	1-#12, 1-#12, 1-#12	20	1	21		0.4	0.4		22	1	1-#12, 1-#12, 1-#12	REC		
	REC 101 CLASSROOM	1-#12, 1-#12, 1-#12	20	1	23			0.4	0.5	24	1	1-#12, 1-#12, 1-#12	UNDERGRK PUMP	GFI	
GFI	REC WATER HEATER	1-#12, 1-#12, 1-#12	20	1	25	0.5	0.5		26	1	20	1-#12, 1-#12, 1-#12	REC 101 CLASSROOM		
GFI	REC WATER HEATER	1-#12, 1-#12, 1-#12	20	1	27		0.5	0.5		28	1	1-#12, 1-#12, 1-#12	REC 102 RES. INSTR. AREA		
GFI	REC 105 COMMERCIAL...	1-#12, 1-#12, 1-#12	20	1	29			0.5	0.7	30	1	1-#12, 1-#12, 1-#12	REC OFFICE 103		
GFI	REC 101 CLASSROOM	1-#12, 1-#12, 1-#12	20	1	31	0.7	1.0		32	1	15	1-#12, 1-#12, 1-#12	REFRIGERATOR FREEZER...	GFI	
GFI	REC 105 COMMERCIAL INSTR. AREA	1-#12, 1-#12, 1-#12	20	1	33		0.7	1.0		34	1	1-#12, 1-#12, 1-#12	REFRIGERATOR FREEZER...	GFI	
GFI	REFRIGERATOR FREEZER...	1-#12, 1-#12, 1-#12	15	1	35			1.0	1.0	36	1	1-#12, 1-#12, 1-#12	SANDWICH BAR		
GFI	DISPLAY CASE	1-#12, 1-#12, 1-#12	20	1	37	1.0	0.0			38	1	20	--	SPARE	GFI
GFI	SALAD BAR	1-#12, 1-#12, 1-#12	20	1	39		1.0	0.0		40	1	20	--	SPARE	GFI
GFI	SPARE	--	20	1	41			0.0	0.0	42	1	20	--	SPARE	GFI
GFI	SPARE	--	20	1	43	0.0	0.0			44	1	20	--	SPARE	GFI
GFI	SPARE	--	20	1	45		0.0	0.0		46	1	20	--	SPARE	GFI
	SPARE	--	20	1	47			0.0	0.0	48	1	20	--	SPARE	
	SPARE	--	20	1	49	0.0	0.0			50	1	20	--	SPARE	
	SPARE	--	20	1	51		0.0	0.0		52	1	20	--	SPARE	
	SPARE	--	20	1	53			0.0	0.0	54	1	20	--	SPARE	
				8.1 kVA 8.1 kVA 8.1 kVA											
				68 A 68 A 67 A											
LOAD CLASSIFICATION		CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS							
EQUIP		3875 VA		80.00%		3100 VA		TOTAL CONNECTED LOAD: 24275 VA							
REC		29400 VA		74.51%		15200 VA		TOTAL ESTIMATED DEMAND: 18360 VA							
								TOTAL CONNECTED CURRENT: 67 A							
								TOTAL ESTIMATED DEMAND CURRENT: 51 A							
								25 % ADDITIONAL CAPACITY: 13 A							
								TOTAL PANEL CURRENT: 63 A							
NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.															

PANELBOARD AND WIRING SCHEDULE														
PANEL: KP2				MAINS TYPE: MLO				PANEL INTERRUPTING RATING: 42KAIC						
VOLTAGE: 208Y/120V, 3P, 4W				SPD:				LOCATION: ELECTRICAL 107						
AMPERES: 400 A				MOUNTING: SURFACE				SUPPLY FROM: EX, MCC						
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCB	P	CKT	A	B	C	CKT	P	OCB	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES
	WH-2	1-#12, 1-#12, 1-#12	15	1	1	0.2	0.5		2	1	20	1-#12, 1-#12, 1-#12	WH-1	
	WH-2	1-#12, 1-#12, 1-#12	20	1	3		0.5	0.8	4	1	20	1-#12, 1-#12, 1-#12	EXHAUST FAN	
	COND HOOD EXHAUST	1-#10, 1-#10, 1-#10	20	1	5			1.8	4.9	6				
	SPARE	--	20	1	7	0.0	4.9		8	2	50	2-#6, 1-#6, 1-#10	RANGE	GFI
	DISPOSER	2-#12, 1-#12, 1-#12	20	2	11		0.8	2.2	10					
								0.8	2.2	12	30	2-#10, 1-#10, 1-#10	SERVING COUNTER	
GFI	RANGE	2-#6, 1-#6, 1-#10	50	2	13	4.9	4.9		14	2	50	2-#6, 1-#6, 1-#10	RANGE	GFI
					15			4.9	4.9	16				
GFI	RANGE	2-#6, 1-#6, 1-#10	50	2	19	4.9	2.9		4.9	2.9	18			
					21			4.9	2.9	22				
GFI	RANGE	2-#6, 1-#6, 1-#10	50	2	23			4.9	3.2	24				
					25	4.1	3.2			26	3	40	3-#6, 1-#6, 1-#10	DISHWASHER
	MAU-1 AND EF UNIT	3-#6, 1-#6, 1-#10	40	3	27		4.1	3.2		28				
					29			4.1	4.1	30	3	50	3-#6, 1-#6, 1-#10	RTU-1
	SPARE	--	40	3	33		0.0	0.1		34				
					35			0.0	0.0	36	1	20	--	SPARE
	SPARE	--	50	3	37	0.0	0.0		0.0	38				
					39		0.0	0.0		40	3	30	--	SPARE
					41			0.0	0.0	42				
	SPARE	--	20	3	43	0.0	0.0			44				
					45		0.0	0.0		46	3	30	--	SPARE
					47			0.0	0.0	48				
GFI	SPARE	--	20	1	49	0.0	0.0			50	1	20	--	SPARE
GFI	SPARE	--	20	1	51		0.0	0.0		52	1	20	--	SPARE
	SPARE	--	20	1	53			0.0	0.0	54	1	20	--	SPARE
						34.5 kVA	33.1 kVA	33.7 kVA						
						288 A	276 A	281 A						
LOAD CLASSIFICATION			CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS					
EQUIP			101314 VA		80.00%		81051 VA		TOTAL CONNECTED LOAD: 101314 VA					
									TOTAL ESTIMATED DEMAND: 81051 VA					
									TOTAL CONNECTED CURRENT: 281 A					
									TOTAL ESTIMATED DEMAND CURRENT: 225 A					
									25 % ADDITIONAL CAPACITY: 56 A					
									TOTAL PANEL CURRENT: 281 A					
NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.														

PANELBOARD AND WIRING SCHEDULE														
PANEL: MP1				MAINS TYPE: MCB				PANEL INTERRUPTING RATING: 42KAIC						
VOLTAGE: 208Y/120V, 3P, 4W				SPD:				LOCATION: ELECTRICAL 107						
AMPERES: 400 A				MOUNTING: SURFACE				SUPPLY FROM:						
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCB	P	CKT	A	B	C	CKT	P	OCB	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES
	KITCHEN UDS	2 runs of 3 #10, 1 #50, 1 #5	400	3	1	38.3	6.8			2				
				5	3		38.3	6.8		4	100	3 #3, 1 #3, 1 #8	RTU-2	
				7				38.3	6.8	6				
				9						8				
				10						10				
				11						12				
				13						14				
				15						16				
				17						18				
				19						20				
				21						22				
				23						24				
						45.2 kVA		45.2 kVA		45.2 kVA				
						375 A		375 A		375 A				
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND		PANEL TOTALS								
EQUIP		135450 VA	80.00%	108360 VA		TOTAL CONNECTED LOAD: 135450 VA								
						TOTAL ESTIMATED DEMAND: 108360 VA								
						TOTAL CONNECTED CURRENT: 376 A								
						TOTAL ESTIMATED DEMAND CURRENT: 301 A								
						25 % ADDITIONAL CAPACITY: 75 A								
						TOTAL PANEL CURRENT: 376 A								
NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.														