



KANSAS CITY KANSAS PUBLIC SCHOOLS / USD500

PURCHASING OFFICE | 2010 N. 59TH STREET ROOM 370 \ KANSAS CITY, KS 66104

WEB SITE: WWW.KCKPS.ORG/PURCHASING

Electrical Service Upgrade Wyandotte High School

BID No: IFB 20-004 **ISSUE DATE: January 31, 2020**

Kansas City Kansas Public Schools (KCKPS) will receive sealed bids, on this form at the Purchasing Office, 2010 N. 59th Street, Room 370, Kansas City, KS 66104 until **2:00 PM, February 20, 2020**, at which time bids received will be publicly opened and read, all in accordance with bid instructions, specifications and/or bid conditions attached hereto or as shown below.

PRE-BID MEETING: A pre-bid meeting will be held **February 5, 2020 @ 2:00PM:**

Wyandotte High School
2501 Minnesota Avenue
Kansas City, Kansas 66102

A site visit will follow the pre-bid meeting. Attendance is recommended, but not mandatory.

CONTACT:

Brian Hernandez, Assistant Director of Purchasing | (913) 279-2244 | eMail: brian.hernandez@kckps.org

All work is to be completed prior to July 15, 2020

Location of the Work

Wyandotte High School
2501 Minnesota Avenue
Kansas City, Kansas 66102

Bid Security

Bid security shall be submitted with each bid in the amount of five percent (5%) of the bid amount. Owner reserves the right to reject any and all bids and to waive informalities and irregularities.

Prevailing Wage

Prevailing Wage IS NOT required for this project.

Time of Completion

Successful bidder shall begin the Work on receipt of the Notice to Proceed and shall complete the Work (Substantial Completion) no later than **July 15, 2020**.

Liquidated Damages

Completion of this project before July 15, 2020 is imperative. At the District's sole discretion, liquidated damages per calendar day will be assessed against the Contract if the project is not completed by the date indicated.

Clean-Up

The Contractor will keep the premises free from accumulations of debris and waste materials caused by its employees in performance of the work. At completion of the project, Contractor shall remove all crating, packaging, waste and debris from the building and the site, and all tools, scaffolding and surplus materials, and shall leave the building and site "broom clean" or its equivalent.

Permits, Codes and Ordinances

Each Contractor shall file and pay for required permits affecting its work (if applicable). Each contractor shall conform to applicable codes and ordinances, including OSHA requirements.

Damage to District Property

Contractor at its own expense shall promptly remedy and repair all damages or loss to any property caused in whole or part by its employees, subcontractor(s), supplier or anyone directly or indirectly employed by either of them, or by anyone for whose acts either of them may be liable.

No Smoking: The District adheres to the mandatory "No Smoking" policy on school premises and/or at school functions. All bidders shall comply with this "No Smoking" policy.

INCLEMENT WEATHER OR EMERGENCY

IF THERE IS A BUILDING CLOSING THE DAY OF THE OPENING OF PROPOSALS DUE TO INCLEMENT WEATHER OR AN EMERGENCY, THE OPENING OF PROPOSALS WILL OCCUR AT 2:00PM (CENTRAL) THE NEXT BUSINESS DAY THE DISTRICT IS OPEN.

MATERIALS AND METHODS OF WORK

1. All work shall be done in accordance with the best trade practices. The Contractor shall comply with all applicable safety regulations for the protection of workman, pedestrians, and property. The Contractor shall maintain work area free of debris. All applicable State and local laws, ordinances, and codes shall apply to this service contract.
2. The Contractor shall be responsible for the protection of shrubs and grass during the projects and cleanup of the general area.
3. The Contractor and workman must park all vehicles in school's parking lots and in accordance with city and School District regulations. No parking on sidewalks or grass area adjoining the project site will be allowed.
4. The Contractor is cautioned that in addition there are direct burial utilities such as water, sewer, and gas, electrical main service and electrical service to outdoor lights.
5. The Contractor shall verify all dimensions before any materials, parts, or equipment is ordered for the project. All plan dimensions are approximate.
6. All work and materials performed under this service contract shall be guaranteed for a period of one (1) year from date of acceptance by School District.
7. The Contractor will clean, vacuum, mop, dust, and wash all areas where dirt and debris remain within the project area. All new construction debris will be removed daily by the Contractor.
8. The Contractor will be responsible for all damage to the existing building(s) and their contents within the area of work.

CUTTING AND PATCHING:

DESCRIPTION

- A. Cutting and patching includes cutting into existing construction to provide for installation or performance of other work and subsequent fitting and patching required to restore surface to their original condition.
- B. Cutting and patching is performed for coordination of the work to uncover work for access or inspection, to obtain samples for testing, to permit alterations to be performed, or for other similar purposes.
- C. Drilling of holes to install fasteners and similar operation, and cutting and patching performed during the manufacture of products or initial fabrication, or erection of installation processes is to be considered as cutting and patching included in this Section.

EXISTING SURFACES

- A. Cut and patch existing surfaces for the installation of new or relocated equipment, doors,

partitions, etc., in a manner to minimize cracks and joints, to achieve a stable and structurally sound installation, and to make patched surfaces match and blend in with existing adjacent surfaces as nearly as possible.

- B. Prior to cutting which affects structural safety, submit written request to School District's Representative for permission to proceed.

NEW MATERIALS FOR PATCHING

- A. Furnish and install, wherever applicable, same type as existing studs, plaster, drywall, paneling, tile, or other finishes, or cut and modify and reinstall existing removed materials as required for a complete and satisfactory job.
- B. Furnish all necessary barricades.

LOCATION AND QUANTITY

- A. Refer to drawing and/or School District's Representative for all cutting and patching work required.
- B. Drilling through concrete or masonry floors or, walls must be by core drilling only, except where there is a danger of damage by water. Type of drilling for each hole shall be determined in conference with the School District's Representative.
- C. Cutting through walls or floors for the purpose of removal of portions, therefore, must be done by saw cutting only, except where there is a danger of damage by water.
- D. Install required protection including but not limited to barricades, shoring, bracing, and supports to maintain the structural integrity of the work, and protection of personnel.

QUALITY ASSURANCE

Include within Contractor's quality assurance program such procedures as required to assure full protection of work and materials.

PROTECTION:

- A. Protect finished surfaces including jambs and soffits of openings used as passageways through which equipment and materials are handled.
- B. Provide protection for finished floor surfaces in traffic areas prior to allowing equipment or materials to be moved over such surfaces.
- C. Maintain finished surfaces clean, unmarred, and suitably protected until accepted by the School District.

REPAIRS AND REPLACEMENTS:

- A. In the event of damage, promptly make replacements and repairs at no additional cost to

the School District.

- B. Should it become necessary, due to and caused by, the work of the service Contractor, to enlist the services of an emergency mitigation Contractor specializing in flood, water, smoke or fire restoration, renovation and/or mold mitigation, the service Contractor will only utilize, at their sole expense, a company on the list of USD 500 approved vendors offering such services.
- C. INSURANCE:**
- D. Upon receipt of award, Contractor shall provide Certificate of Insurance as required within three (3) days after notification issued by the Purchasing Department.
- E. A. The following general insurance requirements apply to any and all work under this contract by all Contractors and subcontractors of any tier.
- F. (1) Any and all insurance required by this contract with each and any and all insurance required by this contract shall be maintained during the entire length of this contract, including any extensions thereto, and until all work has been completed to the satisfaction of the KCKPS. Any and all insurance must be on an occurrence basis.
- G. (2) No Contractor or subcontractor shall commence work under a contract until all insurance requirements contained within the solicitation have been complied with and until evidence of all insurance requirements in each and every contract with each and every subcontractor of any tier and shall require the same to comply with all such requirements.
- H. (3) The KCKPS shall be covered as an Additional Insured under any and all insurance required by this contract. Confirmation of this shall appear on all certificates of insurance and on any and all applicable policies. The title of the awarded contract shall also appear on any and all applicable policies.
- I. (4) The KCKPS shall be given no less than thirty (30) days' written notice of cancellation. The KCKPS shall be given not less than thirty (30) days' prior written notice of material changes of any insurance required under this contract. The KCKPS shall be given written notice of renewal of coverage not less than thirty (30) days prior to the expiration of any particular policy.
- J. (5) Each and every agent shall warrant when signing the certificate of insurance that he is acting as an authorized representative on behalf of the companies affording insurance coverage under the contract and that he is licensed by the State of Kansas to conduct insurance business in the State of Kansas and that the companies affording insurance coverage are currently licensed by the State of Kansas and are currently in good standing with the Commissioner of Insurance for the State of Kansas.
- K. (6) Any and all companies providing insurance required by this contract shall meet the minimum financial security requirements as set forth below. The rating for each company must be indicated on the certificate of insurance.
- L. For all contracts, regardless of risk, companies providing insurance under this contract must have a current:
 - M. (a) Best's Rating not less than A, and
 - N. (b) Best's Financial Size Category not less than Class VII
- O. (7) In the event the Contractor neglects, refuses, or fails to provide insurance required by the contract documents, or if such insurance is canceled for any reason, KCKPS shall have the right, but not the duty, to procure the same, and the cost thereof shall be deducted from monies then due or thereafter to become due to the Contractor or KCKPS shall have the right to cancel the contract.

P. B. Worker's Compensation and Employer's Liability Insurance

Q. The Contractor shall procure and maintain Worker's Compensation and Employer's Liability Insurance in the following limits. Such insurance is to cover each and every employee who is or may be engaged in work under this contract.

R.

S. Worker's Compensation.....Statutory

T. Employer's Liability

U. Bodily Injury by Accident.....\$1,000,000 each
accident

V. Bodily Injury by Disease.....\$1,000,000 each
employee

W. Bodily Injury by Disease.....\$1,000,000 policy limit

X.

Y. C. Comprehensive General Liability Insurance

Z. The Contractor shall procure and maintain Comprehensive Insurance in an amount not less than \$1,000,000 for bodily injury and property damage combined single limit. The following specific extensions of coverage shall be provided and indicated on the certificate of insurance:

AA. (1) Comprehensive Form BB.

(2) Contractual Insurance CC. (3)

Personal Injury

DD. (4) Broad Form Property Damage

EE. (5) Premises – Operations

FF. (6) Completed Operations

GG. This coverage shall cover the use of all equipment, hoists, and vehicles on the site(s) not covered by Automobile Liability under this contract. Policy coverage must be on an occurrence basis.

HH.

II. D. Automobile Liability Insurance

JJ. The Contractor shall procure and maintain Automobile Liability Insurance in an amount not less than \$1,000,000 for bodily injury and property damage combined single limit. The following extensions of coverage shall be provided and indicated on the certificate of insurance.

KK. (1) Comprehensive Form

LL. (2) Owned, Hired, Leased and non-owned vehicles

MM. If the Contractor does not own any vehicles in the corporate name, non-owned vehicles coverage shall apply and must be endorsed on either the Contractor's personal automobile policy or the Comprehensive General Liability coverage required under this contract.

NN.

OO.E. Commercial Crime insurance (when applicable)

PP. The Contractor shall procure and maintain Commercial Crime/Fidelity insurance in an amount not less than \$1,000,000.00, including coverage for theft or loss of KCKPS property.

A. FORM OF AGREEMENT & PAYMENT

The form of Agreement for work under this program shall be on a purchase order for work performed upon submittal of service invoices to KCKPS Facilities Department for approval. All payments will be in check form.

B. OWNER'S RIGHT TO TERMINATE FOR CAUSE

The Owner, KCKPS, reserves the right to terminate service agreement upon ten (10) days written notice, and Contractor fails to cure during the notice period, for the following reasons:

1. Failure of Contractor to adhere to hourly rates as bid.
2. Contractor's failure to timely respond to service requests.
3. Contractor's failure to comply with any part of these specifications.
4. Inferior work performed to KCKPS property, as reasonably determined by KCKPS.
5. Evidence of collusion, price fixing, or theft of KCKPS provided materials.
6. Failure to provide proof of insurance as required.

C. NORMAL SERVICE HOURS

Normal hours are considered eight (8) working hours from the commencement of work. In many instances class schedules, presence of students, school hours or other circumstances will require work to start at hours other than 7:00 a.m. to 3:30 p.m.

D. INTERPRETATION

Questions concerning technical **Electrical Upgrade Services** specifications should be directed:

Brian Hernandez, Assistant Director of Purchasing

Brian.hernandez@kckps.org

Subject Line of email = "Questions – Electrical Upgrade Service Contract Bid"

E. NO COMMITMENT; NON-EXCLUSIVITY

The Agreement will not authorize Contractor to provide or commit District to order any Deliverables or Services. Execution of a valid Purchase Order is District's agreement to pay for Deliverables or Services and Contractor's agreement to provide the Deliverables or Services, in each case in accordance with this Agreement and the applicable Purchase Order. District and Contractor acknowledge and agree that the appointment of Contractor hereunder is not exclusive. At any time, and in its sole discretion, District may perform any services similar to those to be provided by Contractor under this Agreement or any Purchase Order or may engage any third party to perform any services or provided any products similar to those to be provided by Contractor under this Agreement or any Purchase Order.

F. GOVERNING CONTRACTUAL PROVISIONS

The Provisions found in Contractual Provisions Attachment (Form DA-146a, Rev. 06-12), which is attached hereto, are hereby incorporated in this contract and made a part thereof.

G. Scope of Work

Kansas City Kansas Public Schools desires to upgrade and improve electric distribution in the shop classrooms (rooms 9 & 90) at Wyandotte High School, located at 2501 Minnesota Ave., Kansas City Kansas 66102. The intent is to increase the amount of available electric service in the shop area. The scope of work will involve:

1. Tapping into the existing transformer located approximately 192' away and route through existing tunnels to the specified location.
2. The installation of all panels, subpanels, cut-offs, transformers, receptacles and light fixtures per the attached plans by PKMR, project 19.533 dated 1.27.20
3. All materials and procedures must adhere to the specifications of the plans.

Please see Plans for pertinent details.

BIDDER QUALIFICATIONS

TO BE EXECUTED BY AUTHORIZED OFFEROR AND SUBMITTED WITH OFFER

The bidder must include sufficient evidence to document the firm's capability to perform, such as the experience and qualifications pertinent to the requirements of this BID.

Qualification Requirements:
Vendor acknowledgement that purchase will be contingent upon KCKPS Board of Education Approval, successful completion of the KCKPS contracting procedures, and funding approval.
Vendor guarantee that all ELECTRICAL Installation is completed in compliance with applicable Kansas City, Kansas and Unified Government of Wyandotte County construction and building codes.
Vendor agrees to provide all permits, easements, and rights of use within the scope and cost of the proposal submitted.

SUBMITTAL INFORMATION

General Information: All responses shall conform to instructions provided in this Request for Proposal.

Deadline for BID Submittal: Proposers must submit all required documents prior to the deadline. All qualifications and proposals shall be complete and final with no additional information required after the close of the submittal date, unless specifically requested by the District. Responses received after the deadline will be returned unopened as not meeting the BID requirements.

Proposer Qualifications: Any individual firm submitting qualifications and a proposal must be able to provide evidence that the individual or firm and its personnel carrying out the responsibilities have expertise and experiences in all areas identified in this BID.

Supplementary Materials: Proposals should be accompanied by brochures and product cut sheets providing technical specifications for all services and systems described in this BID. If the literature differs in any manner from the systems and equipment being proposed, the differences must be fully clarified and explained.

References: Before awarding any contract, the District reserves the right to require Proposers to submit additional evidence of qualifications, as it may deem appropriate. This evidence may be concerning financial, technical, and other qualifications as well as relevant experience and skills of the Proposer.

QUALIFICATIONS AND PROPOSAL FORMAT: Proposers responding to this BID must follow the format below:

Submitted printed materials must be in bound 8.5" x 11" format.

Qualifications and proposals should be organized by section in the following manner and limited to the following number of pages for each section.

All references to page number requirements are single sided.

The District reserves the right to reject the proposal of any OFFEROR who previously failed to perform properly and efficiently. Each OFFEROR will be evaluated on past and present performance.

A. The OFFEROR's place of business:

Company Name: _____

Street Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Contact: _____

B. Current Business License Type and Number _____

C. Please list three (3) references that can verify the OFFEROR has rendered successful and efficient LIGHTING installations, and has successfully completed three (3) similar projects.

	Company Name	Address	Phone No.	Contact Person
1.	_____	_____	_____	_____
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____

Explain your organization's prior experience (like or similar installation) : _____

Please identify if your company has any pending litigation within the last five years: _____

The undersigned OFFEROR certifies that he or she is, at the time of offer, and shall be throughout the period of the contract, licensed by the State of Kansas to do the type of work required under the terms of the contract documents. OFFEROR further certifies that he or she is skilled and regularly engaged in the general class and type of work called for in the contract documents.

The OFFEROR represents that he or she is competent, knowledgeable and has special skills with respect to the nature, extent and inherent conditions of the work to be performed. OFFEROR further acknowledges that there are not certain peculiar and inherent conditions existent in the construction of the work, which may create, during the work, unusual or peculiar unsafe conditions hazardous to persons and property.

Furthermore, OFFEROR hereby certifies to the District that all representations, certifications and statements made

OFFEROR, as set forth in the proposal form, are true and correct and are made under penalty of perjury.

Signed this ____ day of _____, 2020.

Name of Offeror: _____

Authorized Signature: _____

Company Name: _____

**Electrical Upgrade Service
BID FORM**

Electrical Upgrade Services	
Pricing	
Labor	\$
Materials/Installation	\$
Total Cost	\$

WE HEREBY AGREE TO FURNISH THE ITEMS ON WHICH PRICES ARE QUOTED ABOVE IN ACCORDANCE WITH ALL TERMS AND CONDITIONS PREVIOUSLY LISTED AND ANY ATTACHED SPECIFICATIONS.

BY: _____ DATE _____
 TITLE: _____ FIRM: _____
 PHONE: _____ EMAIL: _____

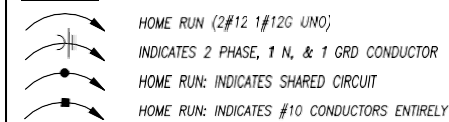
Send your completed bid to:

**Kansas City Kansas Public Schools
 Purchasing Office – Attn: Assistant Director of Purchasing
 2010 N. 59th Street, Room 370 ansas City, Kansas 66104-2800**

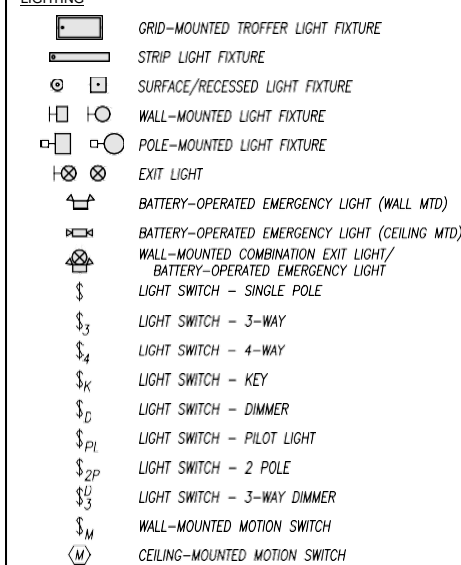
ELECTRICAL SYMBOL LEGEND

SOME SYMBOLS AND ABBREVIATIONS ON THIS LEGEND MAY NOT BE USED

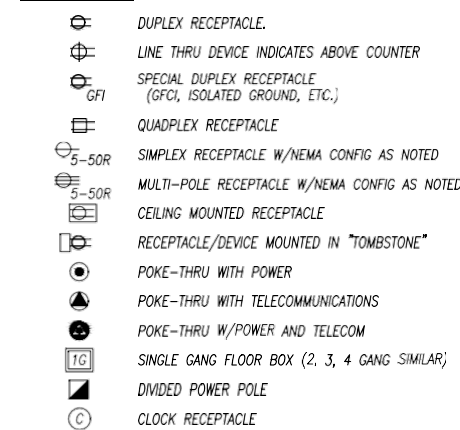
CIRCUITING



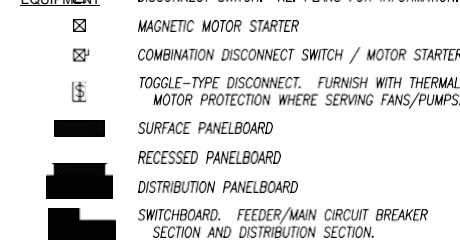
LIGHTING



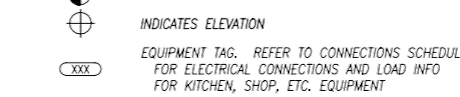
POWER DEVICES



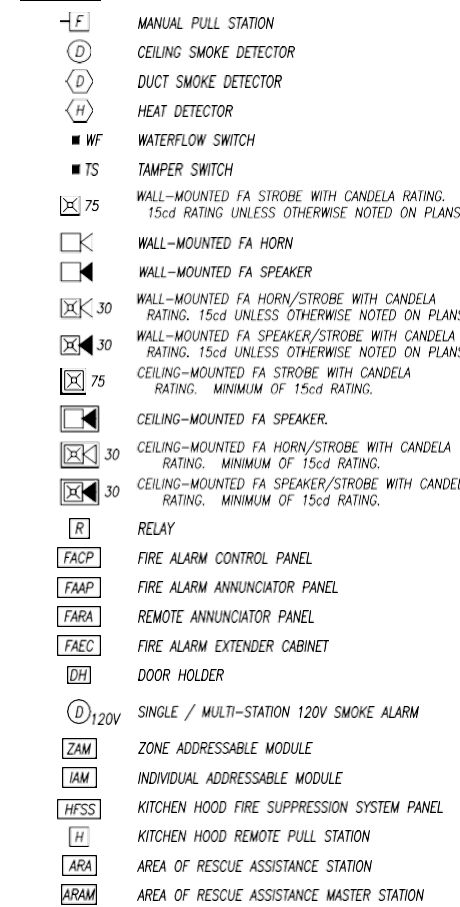
EQUIPMENT



GENERAL SYMBOLS



FIRE ALARM



SHEET INDEX

E0	COVER SHEET
E1	LIGHTING PLAN
E2	POWER PLAN
E3	ELECTRICAL ENLARGED PLANS
E4	ELECTRICAL ENLARGED PLANS
E5	ELECTRICAL SCHEDULES & DETAILS

GENERAL NOTES

- SOME ROOM NAMES MAY NOT BE SHOWN FOR PURPOSE OF CLARIFYING PLAN. REFER TO ARCHITECTURAL PLANS FOR REFERENCE TO ROOM NAMES NOT SHOWN.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN AND KEEP AT THE JOB SITE, AN UP TO DATE SET OF "RECORD DRAWINGS" SHOWING ALL CHANGES FROM THE ORIGINAL PLANS. THE CONTRACTOR SHALL DELIVER THE "RECORD DRAWINGS" TO THE ENGINEER AT THE CONCLUSION OF THE PROJECT ELECTRONICALLY.
- THESE DRAWINGS ARE DIAGRAMMATIC. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS (NEW AND EXISTING), DIMENSIONS, AND CLEARANCES PRIOR TO THE COMMENCEMENT OF WORK AND SHALL INCLUDE ALL COSTS, EQUIPMENT, MATERIAL, ACCESSORIES, ETC. REQUIRED FOR A FULLY COMPLETE, FUNCTIONAL AND CODE COMPLIANT INSTALLATION.
- FINAL LOCATIONS OF ALL DEVICES, LIGHT FIXTURES, EQUIPMENT ETC SHALL BE INDICATED ON THE ARCHITECTURAL DRAWINGS. ALL DIMENSIONAL INFORMATION SHALL BE OBTAINED FROM ARCHITECTURAL PLANS. NO DIMENSIONAL INFORMATION SHALL BE OBTAINED FROM MEP DRAWINGS.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS, APPROVALS, LICENSES, ETC. AS NEEDED FOR THE COMPLETE INSTALLATION AND PROJECT. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR ALL FEES AND DATA NEEDED FOR THIS.

GEN. RENOVATION NOTES

- DISCONNECT AND REMOVE ANY EQUIPMENT, PIPING OR DUCTWORK THAT WAS INSTALLED AS PART OF THE BUILDING SHELL THAT IS NOT NEEDED OR CONFLICTS WITH THIS BUILD OUT.
- EXISTING UNDERGROUND PIPING LOCATIONS ARE ESTIMATED BASED UPON ANTICIPATED ROUTINGS. FIELD VERIFY EXACT LOCATIONS DURING CONSTRUCTION AND PROVIDE ALL NECESSARY MODIFICATIONS.
- SAWCUT GRADE FLOOR SLABS TO INSTALL NEW PIPING, MECHANICAL SYSTEMS, ELECTRICAL FLOOR BOXES AND ALL ASSOCIATED CONDUIT, ETC. PATCH FLOOR TO MAKE LIKE NEW AFTER INSTALLATION. TAKE CARE TO LOCATE EXISTING CONDUIT, ETC. AND AVOID CUTTING EXISTING CONDUITS BY NOT OVER-CUTTING SLAB DEPTH.
- SAWCUT AND CORE DRILL OPENINGS AS REQUIRED FOR ABOVE GRADE SLAB PENETRATIONS. --RAY SLABS TO ASCERTAIN STEEL AND EXISTING CONDUIT PENETRATIONS PRIOR TO CUTTING. VERIFY OPENINGS WITH STRUCTURAL ENGINEER PRIOR TO CUTTING.
- HOMERUN CIRCUITS TO 20 AMP, SINGLE POLE BREAKERS IN PANELBOARDS INDICATED. UTILIZE SPARE BREAKERS MADE AVAILABLE BY DEMOLITION, IF NO SPARE BREAKER IS AVAILABLE, PROVIDE NEW BREAKER.
- EXISTING CIRCUITING MAY BE RE-USED WHERE POSSIBLE.
- CONCEAL NEW CIRCUITING IN WALLS WHERE POSSIBLE. FOR NEW DEVICES INSTALLED ON EXISTING SOLID WALLS, CONCEAL CIRCUITING IN WIREMOLD. COORDINATE FINISH AND GENERAL ROUTING OF WIREMOLD WITH ARCHITECT TO BE AS CONCEALED AND/OR ROUTED IN A NEAT AND ORGANIZED CONSISTENT MANNER.
- ALL LIGHTING FIXTURES THAT ARE RELOCATED OR OTHERWISE AFFECTED BY THE SCOPE OF WORK SHALL BE CLEANED AND RELAMPED.

DEMOLITION NOTES

- ALL WORK SHOWN DASHED IS TO BE DEMOLISHED. WORK SHOWN LIGHT IS EXISTING TO REMAIN.
- REFER TO ARCHITECTURAL PLANS FOR FURTHER EXTENT OF DEMOLITION REQUIREMENTS.
- ALL EXISTING PIPING SCHEDULED FOR DEMOLITION THAT ROUTES BELOW SLAB SHALL BE GROUND FLUSH WITH FLOOR, PLUGGED AND THE FLOOR PATCHED TO MATCH SURROUNDING FLOOR.
- COORDINATE ALL DEMOLITION WORK WITH OWNER.
- CONTACT UTILITY LOCATING SERVICE TO LOCATE EXACT LOCATION OF UTILITIES BELOW GRADE.
- MAINTAIN ALL EXISTING DEVICES, EQUIPMENT, ASSOCIATED CIRCUITS ETC. SHOWN AS EXISTING TO REMAIN OR OTHERWISE UNRELATED TO THE SCOPE OF THE PROJECT IN WORKING ORDER.
- CONTRACTOR SHALL REMOVE LAY-IN CEILING, LIGHT FIXTURES, ETC. AS REQUIRED FOR CONSTRUCTION WHERE NEEDED PRIOR TO DEMOLITION AND REPLACE SAME AFTER CONSTRUCTION. EXISTING CONDUITS ABOVE CEILING SHALL BE RELOCATED AND/OR TEMPORARILY REMOVED TO FACILITATE THE INSTALLATION OF NEW EQUIPMENT.
- THE OWNER SHALL REMOVE ALL ITEMS THEY DESIRED TO SALVAGE PRIOR TO CONSTRUCTION BEGINNING.
- NOTES AND DRAWINGS ARE BASED UPON A FIELD EXAMINATION OF THE SITE AND MAY NOT INDICATE ALL ITEMS. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE SITE AND THE SCOPE OF WORK FOR THE CONTRACT PRIOR TO BID. ANY EXISTING CONDITION WHICH IS APPARENT OR COULD BE REASONABLY INFERRED FROM A VISIT TO THE SITE SHALL NOT BE THE BASIS FOR A CHANGE IN THE CONTRACT AMOUNT.
- REFER TO NEW WORK PLANS FOR ANY ITEMS THAT MAY REQUIRE RELOCATION AFTER DEMOLITION.
- PROPERLY DISPOSE OF ALL DEMOLISHED ITEMS OFF SITE.
- REMOVE ALL MISCELLANEOUS CONDUITS, PIPES, ETC. THOUGH NOT SPECIFICALLY SHOWN ON PLAN, THAT ARE EITHER UNUSED OR WILL BECOME UNUSED DUE DEMOLITION ACTIVITIES, IN ORDER TO PROVIDE A "CLEAN" SPACE FOR THE OWNER.
- PROTECT ALL EXISTING SURFACES AND EQUIPMENT DURING CONSTRUCTION. EXISTING ITEMS TO REMAIN SHALL BE ADEQUATELY PROTECTED FROM DEMOLITION AND NEW CONSTRUCTION WORK, AS REQUIRED. ANY ITEMS DAMAGED OR MARRED SHALL BE ADEQUATELY CLEANED OR REPLACED TO THE OWNERS SATISFACTION TO ORIGINAL CONDITION BEFORE CONSTRUCTION.
- PATCH ANY HOLES IN STRUCTURE CREATED BY REMOVAL OF DUCTWORK, CONDUITS, PIPES, ETC.
- REMOVE ALL ITEMS SHOWN IN WALLS TO BE DEMOLISHED. ALL ELECTRICAL CONDUIT AND WIRING SHALL BE REMOVED BACK TO PANELBOARDS AND PROPERLY TERMINATED.
- SAW CUT FLOOR FOR THE INSTALLATION OF NEW SANITARY PIPING. REFER TO PLUMBING PLANS SHOWING NEW WORK.
- SAVE, CLEAN AND RE-LAMP ALL LIGHT FIXTURES NOTED AS BEING RELOCATED. REFER TO NEW WORK PLANS AND LIGHT FIXTURE SCHEDULE FOR DESCRIPTIONS, QUANTITIES, AND LOCATIONS OF FIXTURES TO BE RE-USED.

ABBREVIATIONS

A/E	ARCHITECT / ENGINEER	ELEV	ELEVATION	MH	MANHOLE
AFF	ABOVE FINISHED FLOOR	EM	EMERGENCY FIXTURE/DEVICE	MLO	MAIN LUGS ONLY
AFG	ABOVE FINISHED GRADE	EWI	ENTERING WATER TEMPERATURE	NFA	NET FREE AREA
AG	ABOVE GRADE	EX	EXISTING ITEM	NL	NIGHT LIGHT
AHJ	AUTHORITY HAVING JURISDICTION	FFA	FROM FLOOR ABOVE	OA	OUTSIDE AIR
AHU	AIR HANDLING UNIT	FFB	FROM FLOOR BELOW	ORD	OVERFLOW ROOF DRAIN
ARCH	ARCHITECT	FFCO	FINISHED FLOOR CLEAN OUT	P/C	PLUMBING CONTRACTOR
BFP	BACKFLOW PREVENTER	FFCO	FLUSH GRADE CLEAN OUT	PSI	POUNDS PER SQUARE INCH
BC	BELOW GRADE	FL	FLOOR LINE	PVC	POLYVINYLCHLORIDE
BLDG	BUILDING	FLR	FLOOR	RA	RETURN AIR
BMS	BUILDING MANAGEMENT SYSTEM	FP	FIRE PROTECTION	RE/REF	REFER / REFERENCE
C	CONDUIT	FFM	FEET PER MINUTE	RF	RELIEF FAN
CD	CANDELA	FFWC	FLUSH WALL CLEAN OUT	RL	RELOCATED ITEM
CD	COLD DECK	G	GROUND / GAND	RPZ	REDUCED PRESSURE ZONE
CLG	COOLING	G/C	GENERAL CONTRACTOR	RR	RESTROOM
CM	COORDINATE MOUNTING HEIGHT	GFI	GROUND FAULT CIRCUIT INTERRUPTER	SA	SUPPLY AIR
CO	CLEAN OUT	GFP	GFI-PROTECTED DEVICE	SPD	SURGE PROTECTIVE DEVICE
CTE	CONNECT TO EXISTING	GPM	GALLONS PER MINUTE	ST	SHUNT TRIP
DCVA	DOUBLE CHECK VALVE ASSEMBLY	HD	HOT DECK	TA	TRANSFER AIR
DCW	DOMESTIC COLD WATER	HTG	HEATING	TA	TO FLOOR ABOVE
DDC	DIRECT DIGITAL CONTROLS	IG	ISOLATED GROUND	TBB	TO FLOOR BELOW
DF	DRINKING FOUNTAIN	JB	JUNCTION BOX	TP	TAMPERPROOF
DHW	DOMESTIC HOT WATER	LED	LIGHT EMITTING DIODE	TYP	TYPICAL
DHWR	DOMESTIC HOT WATER RETURN	LWT	LEAVING WATER TEMPERATURE	UNO	UNLESS NOTED OTHERWISE
DN	DIAMETER	M/C	MECHANICAL CONTRACTOR	VRF	VARIABLE REFRIGERANT FLOW
DN	DOWN	MA	MIXED AIR	VTR	VENT THROUGH ROOF
E/C	ELECTRICAL CONTRACTOR	MAU	MAKE UP AIR UNIT	WCO	WALL CLEANOUT
EA	EXHAUST AIR	MCB	MAIN CIRCUIT BREAKER	WG	WIRE GUARD
EDF	ELECTRIC DRINKING FOUNTAIN	MECH	MECHANICAL	WP	WEATHERPROOF

FIRE SEALING NOTES

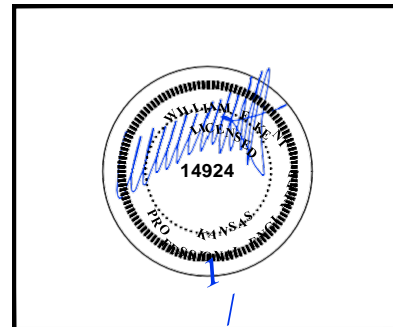
- COORDINATE CONSTRUCTION OF OPENINGS AND PENETRATING ITEMS TO ENSURE THAT THROUGH-PENETRATION FIRESTOP SYSTEMS ARE INSTALLED ACCORDING TO SPECIFIED AND APPLICABLE UL REQUIREMENTS.
- COORDINATE SIZING OF SLEEVES, OPENINGS, CORE-DRILLED HOLES, OR CUT OPENINGS TO ACCOMMODATE THROUGH-PENETRATION FIRESTOP SYSTEMS.
- DO NOT COVER UP THROUGH-PENETRATION FIRESTOP SYSTEM INSTALLATIONS UNTIL EXAMINED BY INSPECTOR, IF REQUIRED BY AUTHORITIES HAVING JURISDICTION.
- COMPATIBILITY: PROVIDE THROUGH-PENETRATION FIRESTOP SYSTEMS THAT ARE COMPATIBLE WITH ONE ANOTHER; WITH THE SUBSTRATES FORMING OPENINGS; AND WITH THE ITEMS, IF ANY, PENETRATING THROUGH-PENETRATION FIRESTOP SYSTEMS, UNDER CONDITIONS OF SERVICE AND APPLICATION, AS DEMONSTRATED BY THROUGH-PENETRATION FIRESTOP SYSTEM MANUFACTURER BASED ON TESTING AND FIELD EXPERIENCE.
- PROVIDE COMPONENTS FOR EACH THROUGH-PENETRATION FIRESTOP SYSTEM THAT ARE NEEDED TO INSTALL FILL MATERIALS. USE ONLY COMPONENTS SPECIFIED BY THROUGH-PENETRATION FIRESTOP SYSTEM MANUFACTURER AND APPROVED BY QUALIFIED TESTING AND INSPECTING AGENCY FOR FIRESTOP SYSTEMS INDICATED.
- PROVIDE SLEEVES THROUGH ALL FIRE-RATED WALLS AND FILL VOIDS SURROUNDING SLEEVES AND INTERIOR TO SLEEVES AROUND PIPING WITH FIRE STOP PUTTY WITH UL LISTED 3 HOUR RATING INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS.
- FIRE SEAL ALL PIPING, CONDUIT, CABLE, ETC PENETRATIONS ROUTED THROUGH FIRE RATED WALLS.
- PROVIDE FIRE RATED ENCLOSURES OR WRAPS ON LIGHT FIXTURES AND OTHER ITEMS PENETRATING FIRE RATED CEILING, FLOOR/CEILING/ CEILING/ROOF ASSEMBLIES TO MAINTAIN UL LISTING FOR CONSTRUCTION.

GENERAL ELECTRICAL NOTES

- COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED VERSION OF THE NATIONAL ELECTRICAL CODE, LOCAL AND STATE CODES, AND REQUIREMENTS OF THE AHJ.
- COORDINATE LOCATIONS OF RECEPTACLES, SWITCHES, ETC. WITH ARCHITECTURAL CASEWORK AND ELEVATIONS.
- REFER TO MOUNTING HEIGHTS DETAIL FOR MOUNTING HEIGHTS OF ALL DEVICES NOT INDICATED OTHERWISE.
- PROVIDE ALL EMPTY CONDUITS WITH PULL STRINGS AND BUSHED ENDS.
- CONTRACTOR SHALL CONCEAL ALL CONDUIT, FITTINGS, AND DEVICES FROM VIEW WHERE REASONABLY POSSIBLE.

COORDINATION NOTES

- COORDINATE REQUIREMENTS FOR INSTALLATION OF SYSTEMS AND EQUIPMENT WITH ALL OTHER TRADES.
- THE CONTRACTOR SHALL COORDINATE THE ROUTING AND PATH OF ALL SYSTEMS, CONDUITS, PIPES, DUCTS, ETC. WITH THE POSITION AND LAYOUT OF THE STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING NECESSARY OFFSETS, TURNS, RISES AND DROPS FOR SYSTEMS AND COMPONENTS AS NEEDED TO INSTALL THE MEP SYSTEMS TO CLEAR STRUCTURE, CEILING, ETC. AND OTHER SYSTEMS IN POTENTIAL CONFLICT WITH ROUTING.
- COORDINATE WORK WITH OTHER TRADES TO INSTALL SYSTEMS ABOVE CEILING HEIGHTS INDICATED ON ARCHITECTURAL PLANS.
- CHECK SPACE REQUIREMENTS WITH OTHER TRADES AND STRUCTURE/CONSTRUCTION TO ENSURE THAT ALL MATERIALS AND EQUIPMENT CAN BE INSTALLED IN THE SPACE ALLOTTED INCLUDING FINISHED SUSPENDED CEILING AND OTHER SPACES, CHASSES, ETC. WITHIN THE BUILDING. MAKE MODIFICATIONS THERETO AS REQUIRED AND APPROVED.
- TRANSMIT TO OTHER TRADES ALL INFORMATION REQUIRED FOR WORK TO BE PROVIDED UNDER THEIR RESPECTIVE SECTIONS IN AMPLE TIME FOR INSTALLATION.
- WHEREVER WORK INTERCONNECTS WITH WORK OF OTHER TRADES, COORDINATE WITH THOSE TRADES TO ENSURE THAT ALL SUBCONTRACTORS HAVE THE INFORMATION NECESSARY SO THAT THEY MAY PROPERLY INSTALL ALL CONNECTIONS AND EQUIPMENT. IDENTIFY ALL ITEMS OF WORK THAT REQUIRE ACCESS SO THAT THE CEILING TRADE WILL KNOW WHERE TO INSTALL ACCESS DOORS AND PANELS.
- COORDINATE, PROJECT AND SCHEDULE WORK WITH OTHER TRADES IN ACCORDANCE WITH THE CONSTRUCTION SEQUENCE.
- DRAWINGS SHOW THE GENERAL RUNS OF CONDUITS, PIPING AND DUCTWORK AND APPROXIMATE LOCATION OF OUTLETS. ANY SIGNIFICANT CHANGES IN LOCATION OF ITEMS NECESSARY IN ORDER TO MEET FIELD CONDITIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT/ENGINEER AND RECEIVE HIS APPROVAL BEFORE SUCH ALTERATIONS ARE MADE. ALL SUCH MODIFICATIONS SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION AND REPAIR OF SURFACES, AREAS AND PROPERTY THAT MAY BE DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES.
- ADJUST LOCATION OF PIPING, DUCTWORK, ETC. TO PREVENT INTERFERENCES, BOTH ANTICIPATED AND ENCOUNTERED. DETERMINE THE EXACT ROUTE AND LOCATION OF EACH ITEM PRIOR TO FABRICATION. MAKE OFFSETS, TRANSITIONS AND CHANGES IN DIRECTION IN SYSTEMS AS REQUIRED TO MAINTAIN ADEQUATE CLEARANCES AND HEADROOM.
- WHEREVER THE WORK IS OF SUFFICIENT COMPLEXITY, PREPARE ADDITIONAL COORDINATION DRAWINGS AND ORGANIZE ON-SITE MEETINGS WITH ALL RELATED SUBCONTRACTORS TO COORDINATE THE WORK BETWEEN TRADES. DRAWINGS SHALL CLEARLY SHOW THE WORK AND ITS RELATION TO THE WORK OF OTHER TRADES, AND BE SUBMITTED FOR REVIEW PRIOR TO COMMENCING SHOP FABRICATION OR ERECTION IN THE FIELD.
- COORDINATE WITH LOCAL UTILITY PROVIDERS FOR THEIR REQUIREMENTS WITH LOCAL UTILITY PROVIDERS TO PROVIDE ALL NECESSARY PAYMENTS, MATERIALS, LABOR AND TESTING TO ACCOMPLISH THE WORK.
- COORDINATE THE MOUNTING OF SUSPENDED LIGHT FIXTURES UTILIZING INDIRECT LIGHT SO THAT CONDUIT, DUCTWORK, STRUCTURAL MEMBERS, ETC. ARE NOT LOCATED DIRECTLY ABOVE THE LIGHT FIXTURE. MAINTAIN A MINIMUM OF 24" CLEARANCE FROM THESE ITEMS WHENEVER POSSIBLE.

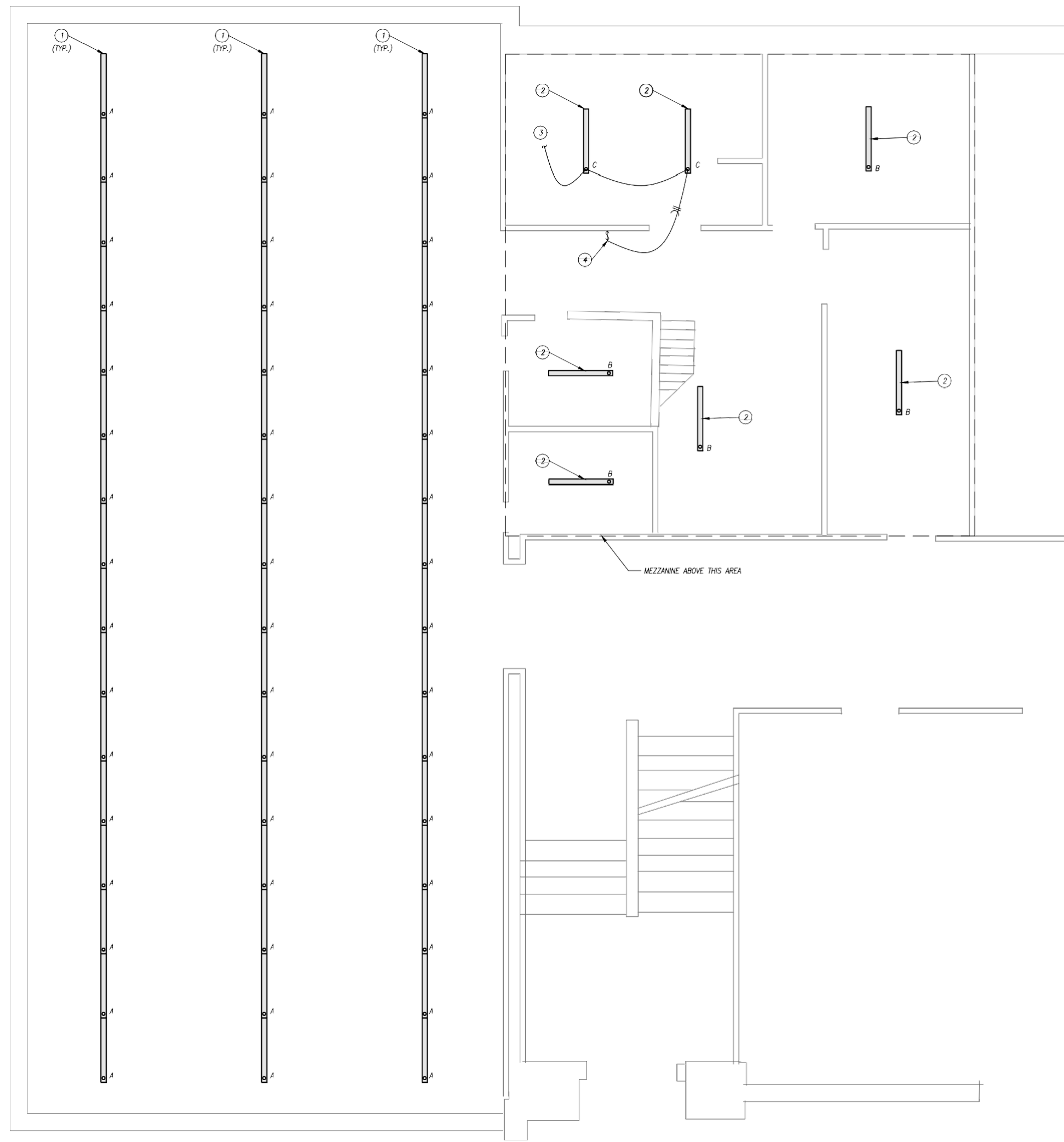


PEARSON KENT MCKINLEY RAAF ENGINEERS LLC
13300 W 98TH STREET
913.492.2400
LENEXA, KS 66215
WWW.PKMR.ENG.COM

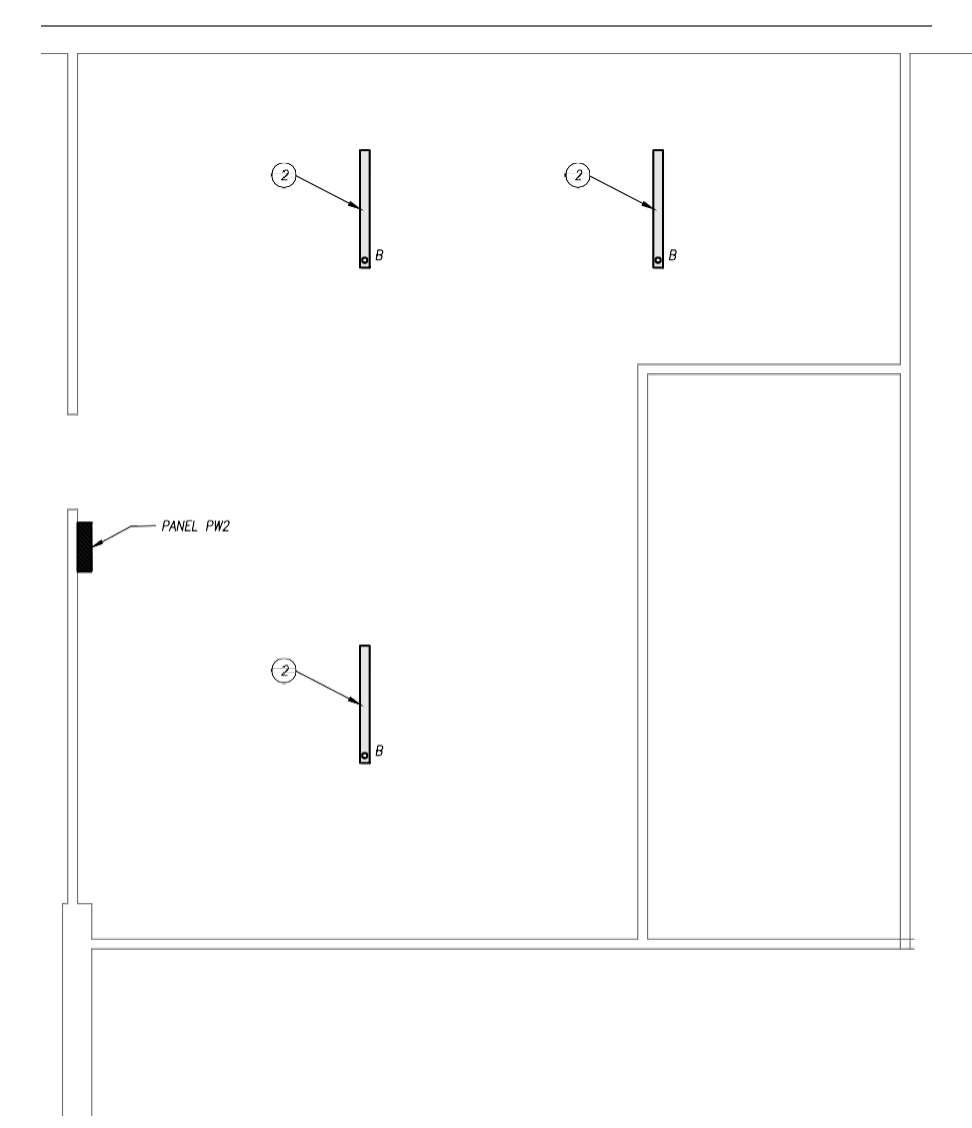
WYANDOTTE HIGH SCHOOL ELECTRICAL IMPROVEMENTS

2501 MINNESOTA AVE
KANSAS CITY, KS 66102

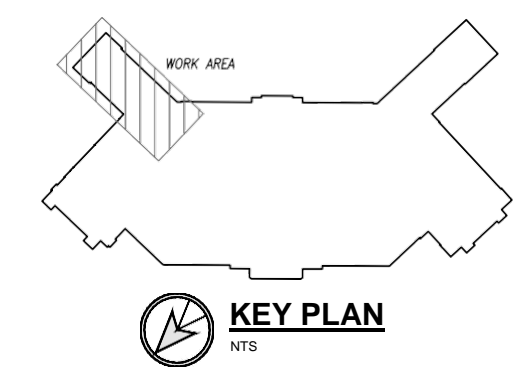
ISSUED FOR:	
DESCRIPTION	DATE
1	
2	
3	
© PEARSON KENT MCKINLEY RAAF ENGINEERS, LLC	
DRAWN BY:	
CHECKED BY:	
SHEET TITLE:	
ELECTRICAL COVER SHEET	
DATE:	PKMR PROJECT:
1.27.20	19.533
SHEET NUMBER:	



GROUND FLOOR PLAN - LIGHTING
1/4" = 1'-0"



MEZZANINE FLOOR PLAN - LIGHTING
1/4" = 1'-0"



GENERAL POWER NOTES

1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
- ① DISCONNECT AND REMOVE EXISTING LIGHT FIXTURES. LIGHT FIXTURES TO BE REPLACED WITH NEW AS SHOWN. CIRCUITING AND CONTROLS ARE TO REMAIN. MOUNT VIA NEW UNISTRUT. MATCH EXISTING INSTALLATION IN ROOM 9 BELOW.
- ② DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE AT THIS LOCATION. LIGHT FIXTURE TO BE REPLACED WITH NEW AS SHOWN. CIRCUITING AND CONTROLS ARE TO REMAIN.
- ③ CONNECT TO EXISTING LIGHTING CIRCUIT SERVING ROOM.
- ④ LOCATE SWITCH MINIMUM OF 42" AWAY FROM DOORWAY TO MEET NEC CLASSIFIED SPACE AT DOOR TO SPRAY BOOTH.

LIGHTING PLAN KEYED NOTES

pkmr
ENGINEERS

PEARSON KENT MCKINLEY RAAF ENGINEERS LLC
13300 W 98TH STREET
LENEXA, KS 66215
913.492.2400
WWW.PKMRENG.COM

**WYANDOTTE HIGH SCHOOL
ELECTRICAL IMPROVEMENTS**

2501 MINNESOTA AVE
KANSAS CITY, KS 66102

ISSUED FOR:	
DESCRIPTION	DATE
1	
2	
3 © PEARSON KENT MCKINLEY RAAF ENGINEERS, LLC	
DRAWN BY:	
CHECKED BY:	
SHEET TITLE: ELECTRICAL - LIGHTING	
DATE: 1.27.20	PKMR PROJECT: 19.333
SHEET NUMBER: E1	

16000 - ELECTRICAL SPECIFICATIONS

SECTION 16000 - ELECTRICAL REQUIREMENTS

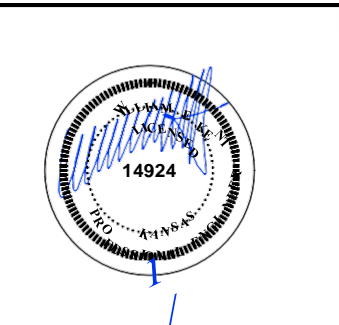
- GENERAL REQUIREMENTS**
- A. ALL WORK SHALL BE IN ACCORDANCE W/ LATEST EDITION OF INTERNATIONAL BUILDING CODE, NATIONAL ELECTRICAL CODE, NFPA CODES AS ADOPTED BY CITY, COUNTY, STATE & ALL OTHER APPLICABLE CODES.
 - B. ALL MATERIALS & EQUIPMENT SHALL BE NEW & SHALL BEAR U.L. LABEL WHERE APPLICABLE. PROVIDE WATERPROOF EQUIPMENT ENCLOSURES WHERE REQUIRED.
 - C. OBTAIN & PAY FOR ALL PERMITS REQUIRED FOR EXECUTION OF THIS WORK & SHALL MAKE ARRANGEMENTS FOR MODIFICATIONS TO ELECTRICAL CONNECTIONS TO BUILDING AS REQUIRED.
 - D. CONTRACTOR SHALL PROVIDE ALL LABOR & MATERIALS REQUIRED TO HAVE COMPLETE FUNCTIONING ELECTRICAL LIGHTING & POWER SYSTEMS TOGETHER W/ ALL ASSOCIATED EQUIPMENT & APPARATUS AS SHOWN ON PLANS.
 - E. WHERE AN ELECTRICAL DEVICE IS REQUIRED BY CODE BUT NOT SHOWN, IT SHALL BE PROVIDED AS THOUGH FULLY SHOWN & SPECIFIED.
 - F. CONTRACTOR SHALL VISIT SITE & OBSERVE CONDITIONS UNDER WHICH WORK WILL BE DONE. ANY DISCREPANCIES SHALL BE CALLED TO ARCHITECT'S ATTENTION. NO SUBSEQUENT ALLOWANCE WILL BE MADE IN THIS CONNECTION FOR ANY ERROR OR NEGLIGENCE ON CONTRACTOR'S PART.
 - G. FINAL ACCEPTANCE OF WORK SHALL BE SUBJECT TO CONDITION THAT ALL SYSTEMS, EQUIPMENT, APPARATUS & APPLIANCES OPERATE SATISFACTORILY AS DESIGNED & INTENDED. WORK SHALL INCLUDE REQUIRED ADJUSTMENT OF SYSTEMS & CONTROL EQUIPMENT INSTALLED UNDER THESE SPECIFICATIONS.
 - H. WARRANT TO OWNER QUALITY OF MATERIALS, EQUIPMENT, WORKMANSHIP & OPERATION OF EQUIPMENT PROVIDED UNDER THESE SPECIFICATIONS FOR ONE YEAR FROM & AFTER COMPLETION OF BUILDING & ACCEPTANCE OF MECHANICAL SYSTEMS BY OWNER.
 - I. ALL MATERIALS INSTALLED IN PLENUMS SHALL BE NONCOMBUSTIBLE OR HAVE FLAME/SMOKE INDEX OF NO MORE THAN 25/50 IN ACCORDANCE W/ ASTM E 84.
- SECTION 16100 - CONDUIT & CONDUCTORS**
- A. FOLLOW CIRCUITING SHOWN ON PLANS. USE NO CONDUIT SMALLER THAN 3/4" & NO CONDUCTORS SMALLER THAN #12 GA UNLESS NOTED OTHERWISE. ALL CONDUCTORS STRANDED.
 - B. WIRE SHALL BE IN NON-FLEXIBLE METALLIC CONDUIT (EMT, IMC OR RMC) FOR ALL CIRCUITS AND FEEDERS GREATER THAN 30A, LIGHT SWITCH RISERS, KITCHEN CIRCUITS & HOME RUNS.
 - C. MC CABLE ACCEPTABLE FOR FEEDING BRANCH CONVENIENCE CIRCUITS AND LIGHTING CIRCUITS IN EXISTING WALLS NOT TO BE OPENED DUE TO CONSTRUCTION ONLY. DO NOT DASHY CHAIN LIGHT FIXTURES.
 - D. LIGHTING & RECEPTACLE CIRCUIT CONDUCTORS SHALL BE COPPER THIN/THIN 600 VOLT, 75 DEG C COLOR CODED AS DESCRIBED UNDER APPLICABLE CODES. NO ROMEX, PLASTIC FLEX TUBING ETC PERMITTED. LIGHT FIXTURE WIRE INSULATION SHALL HAVE TEMP RATING NOT LESS THAN INDIVIDUAL FIXTURE MANUF. RECOMMENDED RATING.
 - E. CIRCUITS W/ NO. 8 OR LARGER CONDUCTORS, MOTOR CIRCUITS, POWER & FEEDER CIRCUITS & BUILDING SERVICE FEEDERS SHALL BE COPPER THIN/THIN 600 VOLT, 75 DEG C.
 - F. ALL CONDUIT, JUNCTION BOXES, ETC ABOVE CEILING SHALL BE SUPPORTED FROM STRUCTURE. PIPE SLEEVES, HANGERS & SUPPORTS SHALL BE FURNISHED & SET & CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER & PERMANENT LOCATIONS.

SECTION 16200 - GROUNDING

- A. SUPPLEMENT GROUNDED NEUTRAL OF SECONDARY DISTRIBUTION SYSTEM W/ EQUIPMENT GROUNDING SYSTEM, INSTALLED SO THAT METALLIC STRUCTURES, ENCLOSURES, RACEWAYS, JUNCTION BOXES, OUTLET BOXES, CABINETS, MACHINE FRAMES, PORTABLE EQUIPMENT & OTHER CONDUCTIVE ITEMS OPERATE CONTINUOUSLY AT GROUND POTENTIAL & PROVIDE LOW IMPEDANCE PATH FOR GROUND FAULT CURRENTS.
- B. PROVIDE EQUIPMENT GROUND BUS IN BASE OF LOW VOLTAGE, SWITCHGEAR BRACED OR OTHERWISE ADEQUATELY CONNECTED BY AN APPROVED METHOD TO GROUND RODS.
- C. PROVIDE IN CONDUIT GREEN INSULATED COPPER GROUND CONDUCTOR TO MAIN METALLIC WATER SERVICE ENTRANCE & CONNECT BY MEANS OF ADEQUATE GROUND CLAMPS.
- D. EQUIPMENT GROUNDING CONDUCTORS FOR BRANCH CIRCUIT HOME RUNS SHOWN ON DRAWINGS SHALL INDICATE AN INDIVIDUAL & SEPARATE GROUND CONDUCTOR FOR THAT BRANCH CIRCUIT WHICH SHALL BE TERMINATED AT BRANCH CIRCUIT PANELBOARD, SWITCHBOARD, OR OTHER DISTRIBUTION EQUIPMENT.
- E. GROUNDING CONDUCTORS SHALL BE AS SHOWN ON PLANS OR IF NOT SPECIFICALLY SHOWN SHALL BE NO SMALLER THAN THAT REQUIRED BY NEC.

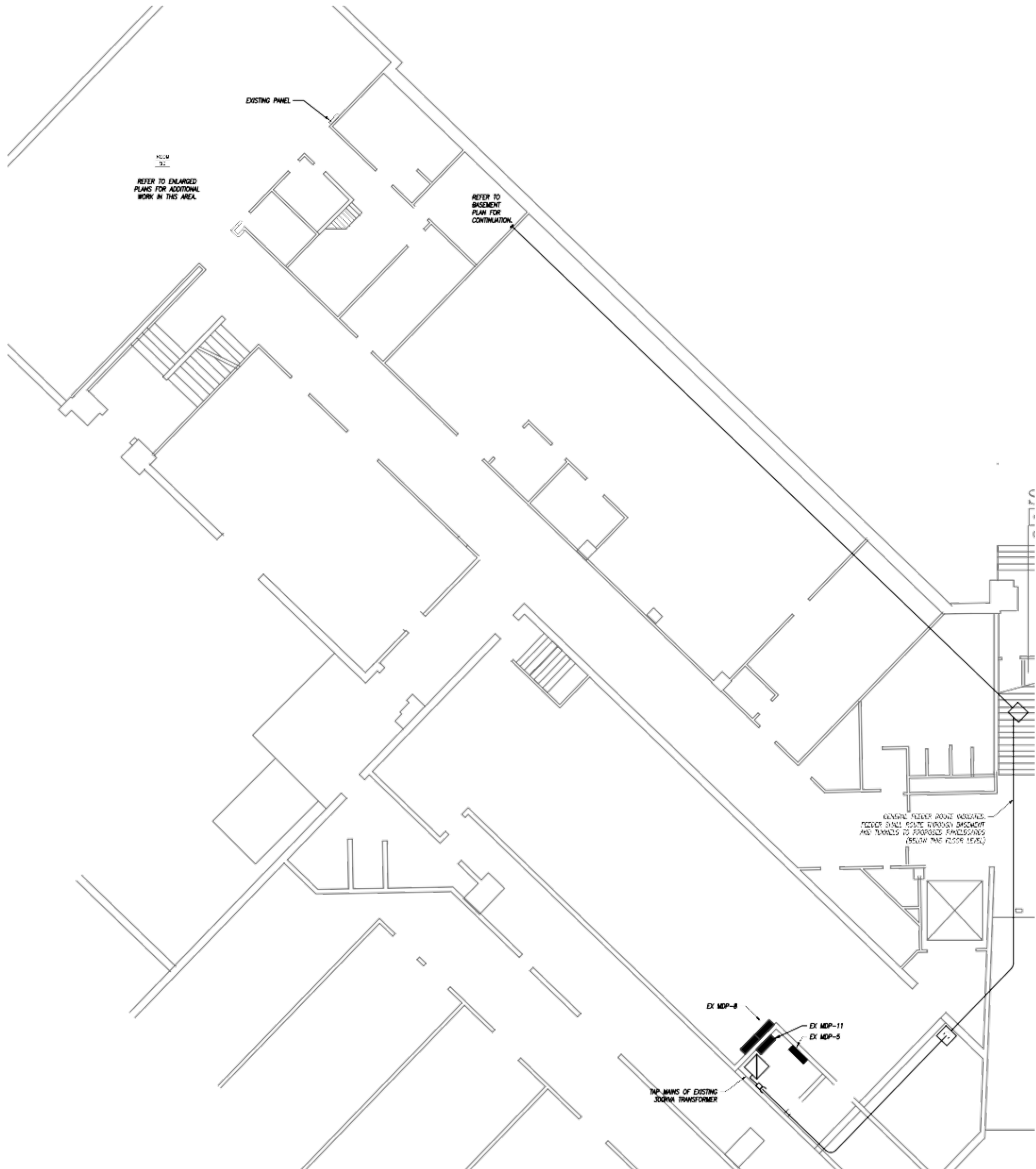
SECTION 16300 - ELECTRICAL EQUIPMENT

- PANELBOARDS**
- A. BRANCH CIRCUIT 208/240V PANELS SHALL BE CAPACITY SHOWN W/ TIN PLATED COPPER BUSSING & BRACED FOR MINIMUM OF 10,000 AIC OR AS OTHERWISE NOTED OR REQUIRED (SERIES RATED ACCEPTABLE). BOLT ON CIRCUIT BREAKERS. ABOVE PANELS SAME EXCEPT 14,000 AIC MIN. MINIMUM 20" WIDE W/ GALV STEEL ENCLOSURE W/ HINGED DOOR & KEYS LOCK. COORD TRIM WITH MOUNTING LOCATION. PANELS TO BE RECESSED WHENEVER POSSIBLE.
 - B. DISTRIBUTION PANELS SHALL BE CAPACITY SHOWN & SHALL BE SQUARE D I-LINE W/ TIN PLATED COPPER BUSSING, 65KACI MIN OR AS OTHERWISE NOTED/REQ'D. BOLT ON CIRCUIT BREAKERS (SERIES RATED ACCEPTABLE), GALV STEEL ENCLOSURE.
 - C. EQUIVALENT BY SQUARE D, SIEMENS, OR CUTLER HAMMER.
- SECTION 16350 - ELECTRICAL IDENTIFICATION**
- A. MANUFACTURED LABELS FOR EACH PANELBOARD & TRANSFORMER. TYPEWRITTEN PANEL SCHEDULES MOUNTED IN PANELS.
 - B. PRINTED TAPE STYLE LABEL FOR EACH RECEPTACLE INDICATING PANEL & CIRCUIT #.
 - C. MANUFACTURED LABELS FOR ALL DISCONNECT SWITCHES INDICATING EQUIPMENT SERVED.
 - D. BRANCH CIRCUITS - IDENTIFY EACH CIRCUIT W/ WIRE MARKERS WHEN ENCLOSURE LABEL AND WIRE COLORS DO NOT PROVIDE ENOUGH INFORMATION TO IDENTIFY EACH CIRCUIT WITHOUT TRACING. FEEDERS & BRANCH CIRCUIT HOME RUNS W/ WIRE MARKER W/ PANEL & CKT #. BOX COVERS ABOVE LAY-IN CEILINGS NEATLY MARKED W/ INDELIBLE MARKER.

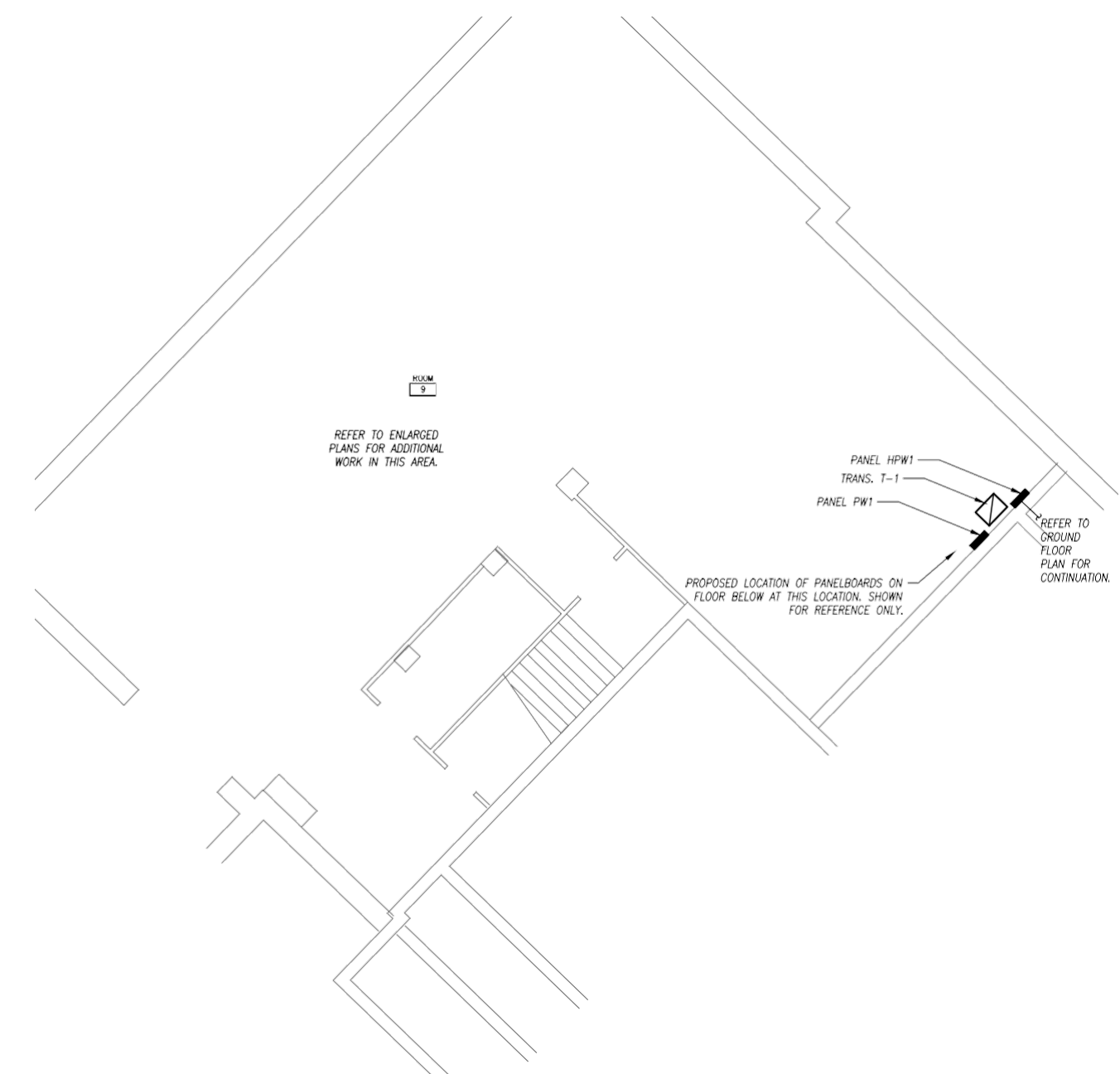


pkmr
ENGINEERS

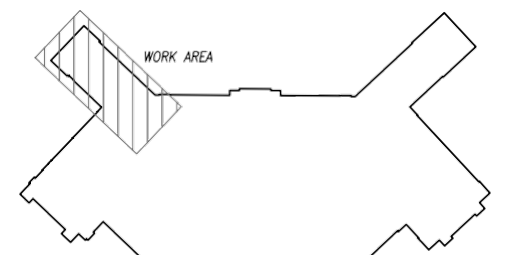
PEARSON KENT MCKINLEY RAAF ENGINEERS LLC
13300 W 98TH STREET
LENEXA, KS 66215
13300 W 98TH STREET
LENEXA, KS 66215
WWW.PKMRENG.COM



GROUND FLOOR PLAN (ROOM 90) - POWER
1/8" = 1'-0"



BASEMENT FLOOR PLAN (ROOM 9) - POWER
1/8" = 1'-0"



KEY PLAN
NTS

**WYANDOTTE HIGH SCHOOL
ELECTRICAL IMPROVEMENTS**

2501 MINNESOTA AVE
KANSAS CITY, KS 66102

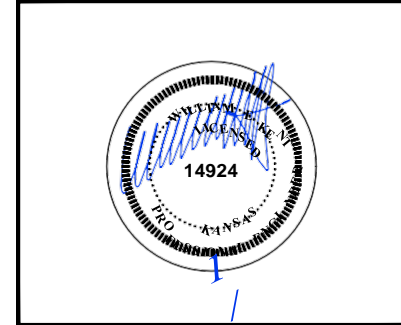
ISSUED FOR:	
DESCRIPTION	DATE
1	
2	
3	© PEARSON KENT MCKINLEY RAAF ENGINEERS, LLC
DRAWN BY:	
CHECKED BY:	
SHEET TITLE:	
ELECTRICAL WORK	
DATE:	PKMR PROJECT:
1.27.20	19.533
SHEET NUMBER:	
E2	

GENERAL POWER NOTES

1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.

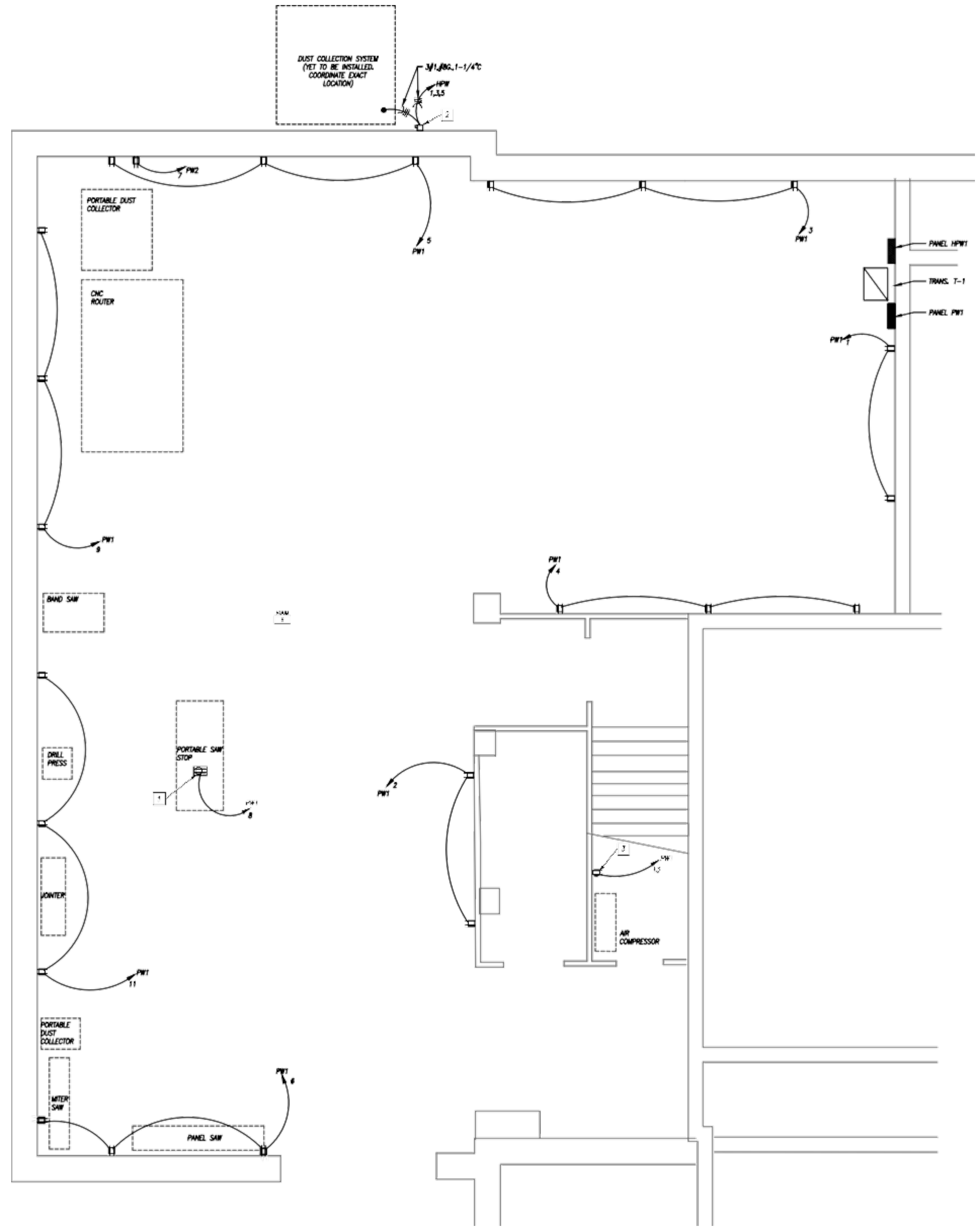
POWER PLAN KEYED NOTES

- 1. LOCKING CEILING MOUNTED RECEPTACLE TO SERVE PORTABLE SAW STOP EQUIPMENT BELOW. COORDINATE EXACT MOUNTING LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- 2. PROVIDE 100A/3P/NEMA 3R LOCKABLE DISCONNECT, COORDINATE FUSE SIZE WITH OWNER FURNISHED DUST COLLECTION SYSTEM.
- 3. DEDICATED RECEPTACLE FOR PNEUMATIC AIR LINE DRYER.



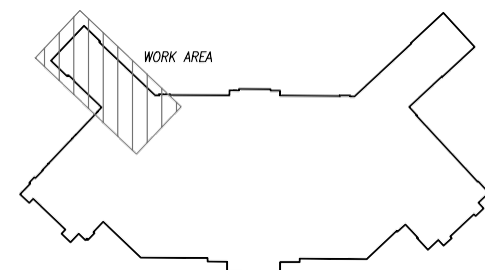
PEARSON KENT MCKINLEY RAAF ENGINEERS LLC
13300 W 98TH STREET LEXENIA, KS 66215
913.492.2400 WWW.PKMRENG.COM

**WYANDOTTE HIGH SCHOOL
ELECTRICAL IMPROVEMENTS**
 2501 MINNESOTA AVE
 KANSAS CITY, KS 66102



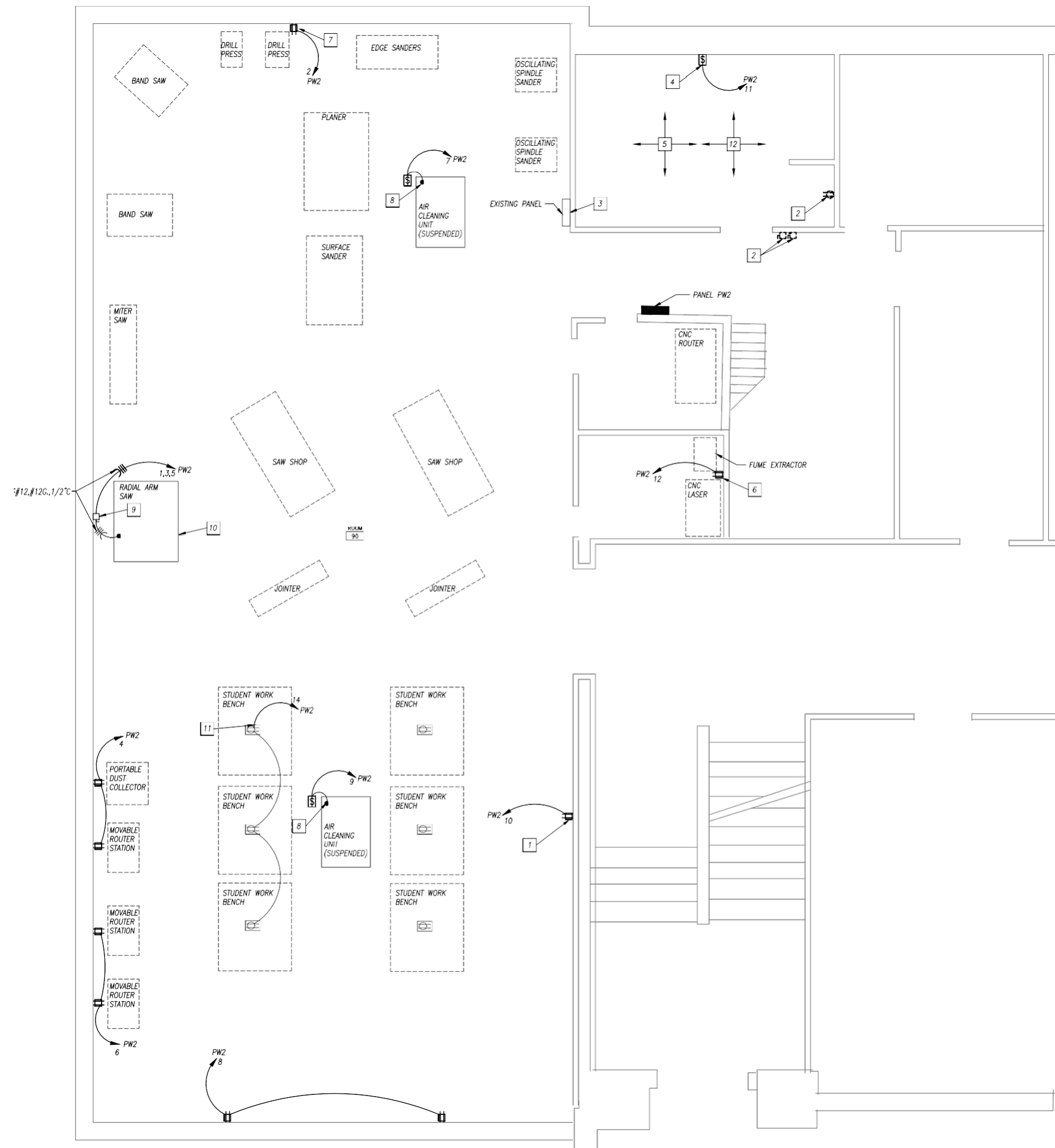
BASEMENT FLOOR PLAN (ROOM 9) - POWER

1/4" = 1'-0"

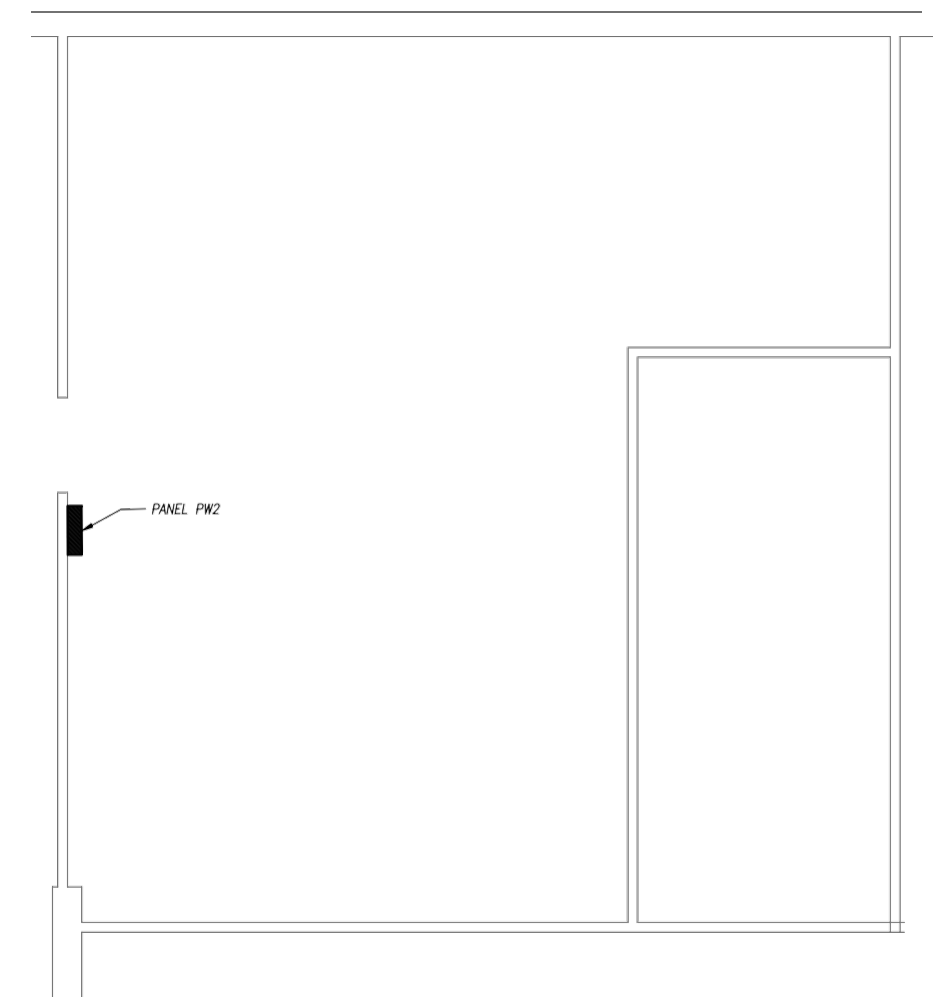


ISSUED FOR:	
DESCRIPTION	DATE
1	
2	
3	© PEARSON KENT MCKINLEY RAAF ENGINEERS, LLC
DRAWN BY:	
CHECKED BY:	
SHEET TITLE:	
ELECTRICAL WORK	
DATE:	PKMR PROJECT:
1.27.20	19.533
SHEET NUMBER:	

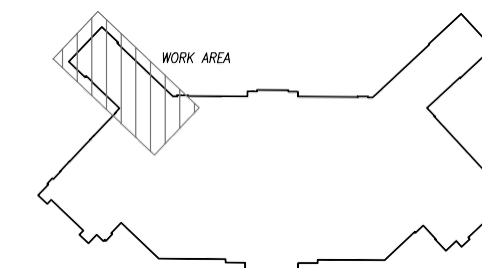
E3



GROUND FLOOR PLAN (ROOM 90) - POWER
1/4" = 1'-0"



MEZZANINE FLOOR PLAN - POWER
1/4" = 1'-0"



KEY PLAN
NTS

GENERAL POWER NOTES

1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.

1 DEDICATED RECEPTACLE FOR SAFETY GLASS CABINET. COORDINATE EXACT LOCATION WITH OWNER.

POWER PLAN KEYED NOTES

2 EXISTING RECEPTACLE/DISCONNECT TO BE DEMOLISHED. REPAIR WALL IN ACCORDANCE WITH CLASS 1 DIVISION 1 OF THE NEC.

3 ENCASE BACKSIDE OF EXISTING PANELBOARD SUCH THAT THE ENCASUREMENT IS IN ACCORDANCE WITH CLASS 1 DIVISION 1 OF THE NEC.

4 MOTOR RATED TOGGLE SWITCH TO BE EXPLOSION PROOF IN ACCORDANCE WITH CLASS 1 DIVISION 1 OF THE NEC.

5 THIS ROOM TO BE MADE TO COMPLY WITH SPRAY BOOTH REQUIREMENTS IN ACCORDANCE WITH THE NEC. REMOVE/SEAL/ETC ALL NON-RELATED (CLASS 1, DIVISION 1) APPLIANCES, RECEPTACLES, SWITCHES, ETC.

6 DEDICATED RECEPTACLE FOR CNC ROOM. COORDINATE EXACT LOCATION WITH OWNER.

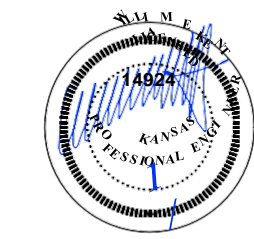
7 DEDICATED RECEPTACLE FOR DRILL PRESS. COORDINATE EXACT LOCATION WITH OWNER.

8 ELECTRICAL CONNECTION TO HANGING AIR CLEANING UNIT. MOUNT MOTOR RATED TOGGLE SWITCH TO BE EXPLOSION PROOF. COORDINATE FUSE SIZE WITH EXISTING RADIAL ARM SAW.

10 PROVIDE LOCAL BUCK/BOOST TRANSFORMER FOR EQUIPMENT OPERATION AT 240V.

11 SPLIT EXISTING CIRCUIT TO WORK BENCHES AND PUT HALF OF THE CEILING RECEPTACLES ON NEW CIRCUIT AS SHOWN.

12 REMOVE ALL CONDUIT, CONDUCTORS, AND ELECTRICAL EQUIPMENT RELATED



pkmr
ENGINEERS
PEARSON KENT MCKINLEY RAAF ENGINEERS LLC
13300 W 98TH STREET
LENEXA, KS 66215
913.492.2400
WWW.PKMR.ENG.COM

**WYANDOTTE HIGH SCHOOL
ELECTRICAL IMPROVEMENTS**
2501 MINNESOTA AVE
KANSAS CITY, KS 66102

ISSUED FOR:	
DESCRIPTION	DATE
1	
2	
3 © PEARSON KENT MCKINLEY RAAF ENGINEERS, LLC	
DRAWN BY:	
CHECKED BY:	
SHEET TITLE: ELECTRICAL WORK	
DATE: 1.27.20	PKMR PROJECT: 19.333
SHEET NUMBER: E4	

ATTACHMENT A – USD 500 STANDARD TERMS AND CONDITIONS

1. SCOPE: The following terms and conditions shall prevail unless otherwise modified by U.S.D. 500 within this bid document. U.S.D. 500 reserves the right to reject any bid which takes exception to these terms and conditions.
2. DEFINITIONS AS USED HEREIN:
 - a. The term "bid request" means a solicitation of a formal sealed bid.
 - b. The term "bid" means the price offered by the bidder.
 - c. The term "bidder" means the offeror or Contractor.
 - d. The term "U.S.D. 500" means Unified School District No. 500.
 - e. The term "Board of Education" or "BOE" means the governing body of Unified School District No. 500
3. COMPLETING BID: Bids must be submitted ONLY on the form provided in this bid document. All information must be legible. Any and all corrections and/or erasures must be initialed. Each bid sheet must be signed by the authorized bidder and required information must be provided.
4. CONFIDENTIALITY OF BID INFORMATION: Each bid must be sealed and submitted in or under cover of the enclosed envelope to provide confidentiality of the bid information prior to the bid opening. Supporting documents and/or descriptive literature may be submitted with the bid or in a separate envelope marked "Literature for Bid (Number)." Do NOT indicate bid prices on literature. All bids and supporting bid documents become public information after the bid opening and are available for inspection by the general public in accordance with the Kansas Open Records Act.
5. ACCURACY OF BID: Each bid is publicly opened and is made part of the public record of U.S.D. 500. Therefore, it is necessary that any and all information presented is accurate and/or will be that by which the bidder will complete the contract. If there is a discrepancy between the unit price and extended total, the unit price will prevail.
6. SUBMISSION OF BID: Bids are to be sealed and submitted to the Purchasing Department Office, 2010 North 59th Street, Room 370, Kansas City, Kansas, 66104, prior to the date and time indicated on the coversheet.
7. ADDENDA: All changes in connection with this bid will be issued by the Purchasing Office in the form of a written addendum. Signed acknowledgement of receipt of each addendum must be submitted with the bid.
8. LATE BIDS AND MODIFICATION OR WITHDRAWALS: Bids received after the deadline designated in this bid document shall not be considered and shall be returned unopened.
9. BIDS BINDING: All bids submitted shall be binding upon the bidder if accepted by U.S.D. 500 within sixty (60) calendar days after the bid opening.
10. EQUIVALENT BIDS: When brand or trade names are used in the bid invitation, it is for the purpose of item identification and to establish standards for quality, style and features. Bids on equivalent items of substantially the same quality, style and features are invited unless items are marked "No Substitute." Equivalent bids must be accompanied by descriptive literature and/or samples may be required and shall be supplied at no charge to the school district.
11. NEW MATERIALS, SUPPLIES AND EQUIPMENT: Unless otherwise specified, all materials, supplies or equipment offered by a bidder shall be new, unused, of recent manufacture, first class in every respect, and suitable for their intended purpose. All equipment shall be assembled and fully serviced, ready for operation when delivered.
12. WARRANTY: Supplies or services furnished as a result of this bid shall be covered by the most favorable commercial warranties, expressed or implied, that the bidder and/or manufacturer gives to any customer. The rights and remedies provided herein are in addition to and do not limit any rights afforded to U.S.D. 500 by any other clause of this bid reserves the right to request from bidders a separate manufacturer certification of all statements made in the Proposal.
13. METHOD OF AWARD AND NOTIFICATION: Bids will be analyzed and the award made to the lowest and best, responsive and responsible bidder(s) whose bid conforms to the specifications and whose bid is considered to be the best value in the opinion of U.S.D. 500.
14. U.S.D. 500 reserves the right to reject any or all bids and any part of a bid: to waive informalities, technical defects, and minor irregularities in bids received: and to award the bid on an item by item basis by specified groups of items or to consider bids submitted on an "all or nothing" basis if the bid is clearly designed as such or when it is determined to be in the best interest of U.S.D. 500.
15. The signed bid shall be considered an offer on the part of the bidder: such offer shall be deemed accepted upon the issuance by U.S.D. 500 of a Purchase Order or other contractual document.
16. DELIVERY TERMS: All deliveries shall be F.O.B. Destination and all freight charges shall be included in the bid price.
17. DAMAGED AND/OR LATE SHIPMENTS: U.S.D. 500 has no obligation to accept damaged shipments and reserves the right to return at the Contractor's expense damaged merchandise even though the damage was not apparent or discovered until after receipt of the items. The Contractor is responsible to notify U.S.D. 500 Purchasing Office of any late or delayed shipments. U.S.D. 500 reserves the right to cancel all or any part of an order if the shipment is not made as promised.
18. CREDIT TERMS: Bidder shall indicate all discounts for full and/or prompt payment. Discounts shall be considered as a cost factor in the determination of award, except discounts offered for payment within less than ten (10) calendar days. Discounts offered shall be computed from date of receipt of correct invoice or receipt and acceptance of products, whichever is later.
19. SELLER'S INVOICE: Invoices shall be prepared and submitted in duplicate to address shown on the Purchase Order. Invoices shall contain the following information: Purchase Order number, contract number, item number, description of supplies or services, sizes, unit of measure, quantity, unit price and extended totals.
20. TAX EXEMPT: U.S.D. 500 is exempt from Federal, State and local taxes by KS-FZLEKBLQ. Sites of all transactions under the order(s) that shall be derived from this bid request shall be deemed to have been accomplished within the State of Kansas.

- 21. SAFETY: All practices, materials, supplies and equipment shall comply with the federal Occupational Safety and Health Act, as well as any pertinent Federal, State and/or local safety or environmental codes.
- 22. DISCLAIMER OR LIABILITY: U.S.D. 500 will not hold harmless or indemnify any bidder for any liability whatsoever.
- 23. TERMINATION RIGHTS: KCKPS shall have the right to terminate/cancel the Agreement for its convenience and without penalty upon thirty (30) days prior written notice to the contractor.
- 24. HOLD HARMLESS: The contractor agrees to protect, defend, indemnify and hold the Board of Education, its officers, employees and agents free and harmless from and against any and all losses, penalties, damages, settlements, costs, charges, professional fees or other expenses or liabilities of every kind and character arising out of or relating to any and all claims, liens, demands, obligations, actions, proceedings or causes of action of every kind and character in connection with or arising directly or indirectly out of this agreement and/or the performance hereof. Without limiting the generality of the foregoing, any and all such claims, etc., relating to personal injury, infringement of any patent trademark, copyright (or application for any thereof) or of any other tangible or intangible personal or property right, or actual or alleged violation of any applicable statute, ordinance, administrative order, rule or regulation, or decree of any court, shall be included in the indemnity hereunder. The contractor further agrees to investigate, handle, respond to, provide defense for and defend any such claims, etc., at his/her sole expense and agrees to bear all other costs and expenses related thereto, even if such claim is groundless, false or fraudulent.

NO MUTUAL INDEMNIFICATION:

K.S.A.72-8201a: Contracts; indemnification or hold harmless provisions, void.

(a) It is the public policy of the state of Kansas that all contracts entered into by the board of education of a school district, or any officers or employees thereof acting on behalf of the board, provide that the school district and board of education shall be responsible solely for the district's or board's actions or failure to act under a contract.

(b) The board of education of a school district or any officers or employees thereof acting on behalf of the board shall not have the authority to enter into a contract under which the school district or board agrees to, or is required to, indemnify or hold harmless against damages, injury or death resulting from the actions or failure to act on the part of any party to a contract other than the board or district.

(c) The provisions of any contract entered into in violation of this section shall be contrary to the public policy of the state of Kansas and shall be void and unenforceable.

- 25. INSURANCE: Upon receipt of award, Contractor shall provide Certificate of Insurance as required within three (3) days after notification issued by the Purchasing Department.

A. The following general insurance requirements apply to any and all work under this contract by all Contractors and subcontractors of any tier.

- (1) Any and all insurance required by this contract with each and any and all insurance required by this contract shall be maintained during the entire length of this contract, including any extensions thereto, and until all work has been completed to the satisfaction of the Kansas City Kansas Public Schools. Any and all insurance must be on an occurrence basis.
- (2) No Contractor or subcontractor shall commence work under a contract until all insurance requirements contained within the solicitation have been complied with and until evidence of all insurance requirements in each and every contract with each and every subcontractor of any tier and shall require the same to comply with all such requirements.
- (3) The Kansas City Kansas Public Schools shall be covered as an Additional Insured under any and all insurance required by this contract. Confirmation of this shall appear on all certificates of insurance and on any and all applicable policies. The title of the awarded contract shall also appear on any and all applicable policies.
- (4) The Kansas City Kansas Public Schools shall be given no less than thirty (30) days' written notice of cancellation. The Kansas City Kansas Public Schools shall be given not less than thirty (30) days' prior written notice of material changes of any insurance required under this contract. The Kansas City Kansas Public Schools shall be given written notice of renewal of coverage not less than thirty (30) days prior to the expiration of any particular policy.
- (5) Each and every agent shall warrant when signing the certificate of insurance that he is acting as an authorized representative on behalf of the companies affording insurance coverage under the contract and that he is licensed by the State of Kansas to conduct insurance business in the State of Kansas and that the companies affording insurance coverage are currently licensed by the State of Kansas and are currently in good standing with the Commissioner of Insurance for the State of Kansas.
- (6) Any and all companies providing insurance required by this contract shall meet the minimum financial security requirements as set forth below. The rating for each company must be indicated on the certificate of insurance.
For all contracts, regardless of risk, companies providing insurance under this contract must have a current:
 - (a) Best's Rating not less than A, and
 - (b) Best's Financial Size Category not less than Class VII
- (7) In the event the Contractor neglects, refuses, or fails to provide insurance required by the contract documents, or if such insurance is canceled for any reason, Kansas City Kansas Public Schools shall have the right, but not the duty, to procure the same, and the cost thereof shall be deducted from monies then due or thereafter to become due to the Contractor or Kansas City Kansas Public Schools shall have the right to cancel the contract.

B. Worker's Compensation and Employer's Liability Insurance

The Contractor shall procure and maintain Worker's Compensation and Employer's Liability Insurance in the following limits. Such insurance is to cover each and every employee who is or may be engaged in work under this contract.

Worker's Compensation Statutory

Employer's Liability

Bodily Injury by Accident \$1,000,000 each accident

Bodily Injury by Disease \$1,000,000 each employee

Bodily Injury by Disease\$1,000,000 policy limit

C. Comprehensive General Liability Insurance

The Contractor shall procure and maintain Comprehensive Insurance in an amount not less than \$1,000,000 for bodily injury and property damage combined single limit. The following specific extensions of coverage shall be provided and indicated on the certificate of insurance:

- (1) Comprehensive Form
- (2) Contractual Insurance
- (3) Personal Injury
- (4) Broad Form Property Damage
- (5) Premises – Operations
- (6) Completed Operations

This coverage shall cover the use of all equipment, hoists, and vehicles on the site(s) not covered by Automobile Liability under this contract. Policy coverage must be on an occurrence basis.

D. Automobile Liability Insurance

The Contractor shall procure and maintain Automobile Liability Insurance in an amount not less than \$1,000,000 for bodily injury and property damage combined single limit. The following extensions of coverage shall be provided and indicated on the certificate of insurance.

- (1) Comprehensive Form
- (2) Owned, Hired, Leased and non-owned vehicles

If the Contractor does not own any vehicles in the corporate name, non-owned vehicles coverage shall apply and must be endorsed on either the Contractor's personal automobile policy or the Comprehensive General Liability coverage required under this contract.

E. Commercial Crime insurance (when applicable)

The Contractor shall procure and maintain Commercial Crime/Fidelity insurance in an amount not less than \$1,000,000.00, including coverage for theft or loss of KCKPS property.

26. LAW GOVERNING: All contractual agreements shall be subject to, governed by, and construed according to the laws of the State of Kansas.

27. ANTI-DISCRIMINATION CLAUSE: No bidder on this request shall in any way, directly or indirectly, discriminate against any person because of age, race, color handicap, sex, national origin, or religious creed.

28. BID BOND/PERFORMANCE BOND (Applicable to Construction/Remodel/Repair Projects, Unless Waived by the District)

A. Each proposal must be accompanied by a certified or cashier's check, or a bid bond in the amount of five percent (5%) of the contractor's total bid.

B. A Performance Bond and a Material and Labor Payment Bond in amounts equal to one hundred percent (100%) of the contract price shall be furnished by the successful bidder. Bonds shall be issued by a surety acceptable to the Board.

29. DISQUALIFICATION:

A. The Director of Purchasing may, at her/his sole discretion, disqualify a bidder for one or any combination of the following reasons:

1. Bidder's product does not meet the specifications or bid conditions of the solicitation;
2. Bidder's tendered bid is not received on the District's bid form;
3. Bidder's tendered bid is not signed;
4. Required bid bond is not furnished at time of bid opening;
5. Failure to comply with bid instructions, terms and conditions that are judged to be essential to the competitive process and in the best interests of the District.

B. Disqualification of bidders on future bids may be considered for any one or combination of the following reasons:

1. Refusal of the bidder to complete a contract or bid;
2. Bidder's past history of late deliveries or partial/incomplete shipments,
3. Bidder's products or services have proven unreliable, unworkable or have not accomplished the result requested in the District's specifications.

30. SUPPLIER DIVERSITY: The Kansas City Kansas Public Schools encourages supplier diversity and participation of MBE/WBE/DBE designated businesses. However, such participation will not result in any selection or scoring advantage in the bid evaluation process.

NON-DISCRIMINATION OF EMPLOYMENT

The contractor and his subcontractors will not discriminate based on affected group status with respect to sex, age, or Handicapped status such restrictions relate to the bona fide occupational qualifications. Specifically, the contractor and his subcontractor shall not discriminate.

- A. Against recipients of service on the basis of race, color, religion, national origin, handicaporage.
- B. Against any employee or applicant, for employment on the basis of race, color, religion, national origin, sex, or otherwise qualified handicapped status.
- C. Against any applicant for employment or employee on the basis of age, where such applicant or employee is between ages 40 and 70 years of age and where such contractor employs at least 20 employees.
- D. Against any applicant for employment or employee on the basis of that person's status as a disabled or Vietnam-era Veteran.

The contractor and subcontractors will take affirmative action to insure applicants are employed and employees are treated during employment without regard to the above considerations. Such actions shall include, but not be limited to, the following: employment, upgrading, demotion and transfer, recruitment or recruitment advertising, and selection for training, including apprenticeship. The contractor and his subcontractors will give written notice of their commitments under this clause to any labor union with which they have a bargaining or other agreements. The contractor and his subcontractors shall develop, implement, maintain and submit in writing to the District an affirmative action program. For the purpose of this section, an "Affirmative Action Program" means positive action to influence all employment practices, including, but not limited to, recruiting, hiring, promoting and training to provide equal employment opportunity regardless of race, color, sex, national origin, religion, age, disabled and/or handicapped qualified status.

INCLEMENT WEATHER OR EMERGENCY

IF THERE IS A BUILDING CLOSING THE DAY OF THE OPENING OF PROPOSALS DUE TO INCLEMENT WEATHER OR AN EMERGENCY, THE OPENING OF PROPOSALS WILL OCCUR AT 2:00PM (CENTRAL) THE NEXT BUSINESS DAY THE DISTRICT IS OPEN.

AGREED TO:

BY: _____

DATE _____

TITLE: _____

FIRM: _____