

#### General

Pulaski County Schools Energy Savings and Performance Contract Addendum #1 March 20<sup>th</sup>, 2022

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#### Bid Addendum Items

The following information supersedes or is in addition to information released in the Contract Documents dated March 11th, 2022.

#### Drawing Items:

#### **Electrical Addendum Items:**

- 1. Refer to Drawing E2-2.1A:
  - A. Additional mechanical equipment coordination and clarification added to drawing.
- 2. Refer to Drawing E2-2.1B:
  - A. Additional mechanical equipment coordination and clarification added to drawing.
  - B. Receptacle being relocated for new mechanical equipment.
- 3. Refer to Drawing E2-2.1C:
  - A. Additional mechanical equipment coordination and clarification added to drawing
- 4. Refer to Drawing E3-2.1A:
  - A. Additional mechanical equipment coordination and clarification added to drawing.
- 5. Refer to Drawing E3-2.1B:
  - A. Additional mechanical equipment coordination and clarification added to drawing.
  - B. Receptacle being relocated for new mechanical equipment.
- 6. Refer to Drawing E3-2.1C:
  - A. Additional mechanical equipment coordination and clarification added to drawing.
- 7. Refer to Drawing E2-3.2:
  - A. Additional mechanical equipment coordination and clarification added to drawing.

#### **Mechanical Addendum Items:**

- 1. Drawing M-1.0
  - a. Add the following general note: 'PRIOR TO BEGINNING DEMOLITION, COORDINATE WITH CMTA AND OWNER WHICH MECHANICAL EQUIPMENT SHOULD BE SALVAGED AND TURNED OVER TO THE OWNER.'
- 2. Drawing M1-2.2
  - a. Existing CEF vent associated with Toilet 005 to remain.
- 3. Drawing M1-3.1A
  - a. General: E(GS/R) piping from wellfields into building header are sized at 1 ½".



- b. Refer to Conference Room 003. Route condensate from HHP-06 to ganged condensate in Toilet 005. Update R-2 grille balance to 75 CFM.
- c. Refer to Toilet 005. Route CEF-1 discharge to existing vent to roof.
- d. Refer to Toilet 005. Route HPS/R piping from VHP-12 to main in adjacent corridor.
- e. Refer to Vestibule. Balance OA damper serving VHP-12 to 100 cfm. Balance OA damper serving HHP-06 to 100 CFM.
- f. Refer to Guidance Reception. Balance OA damper serving HHP-06 to 25 CFM. Balance OA damper serving HHP-12 to 75 CFM. Update R-2 grille balance to 150 CFM.
- g. Refer to Reception 001. Update R-2 grille balance to 150 CFM.
- h. Refer to Principal 002. Update R-2 grille balance to 150 CFM.
- i. Refer to Office 004. Update R-1 grille balance to 25 CFM.
- j. Refer to Office 007. Update R-2 grille balance to 175 CFM.
- k. Refer to Office 008. Update R-2 grille balance to 175 CFM.
- 4. Drawing M1-3.1B
  - a. General: E(GS/R) piping from wellfields into building header are sized at  $1 \frac{1}{2}$ ".
  - b. Add Tag Note 13 as follows: "INSTALL AND CAP 1 ½" GEOTHERMAL PIPES FOR POSSIBLE FUTURE CONNECTION. PROVIDE FULL SIZE ISOLATION VALVES."
  - c. Refer to geothermal header in Gym 126. Tag new taps and valves with tag note 13.
- 5. Drawing M1-3.1C
  - a. General: E(GS/R) piping from wellfields into building header are sized at 1 1/2".
  - b. Add Tag Note 13 as follows: "INSTALL AND CAP 1 ½" GEOTHERMAL PIPES FOR POSSIBLE FUTURE CONNECTION. PROVIDE FULL SIZE ISOLATION VALVES."
  - c. Refer to geothermal header in Classroom 104. Tag new taps and valves with tag note 13.
  - d. Refer to Toilet 116.1 and Toilet 118.1. Balance EA dampers to 50 CFM each.
  - e. Refer to corridor adjacent to Librarian Office 125. Balance OA damper serving Librarian Office HHP-06 to 25 CFM.
  - f. Refer to Librarian Office 125. Update R-2 grille balance to 175 CFM.
  - g. Refer to Gym 126. 3" HPS and 3" GS piping into mechanical room to be tagged with note
    4.



- 6. Drawing M1-3.2
  - a. Existing CEF vent to remain for new CEF exhaust.
- 7. Drawing M1-4.1
  - a. See attached. Refer to Gym Geothermal Piping Schematic. Add geothermal piping header with taps and valves for possible future connection.
- 8. Drawing M2-4.1B
  - a. Refer to Corridor 065 adjacent to Classroom E2. Increase geothermal supply header pipe size from 1-1/4" to 1-1/2".
  - b. Refer to Classroom A2, adjacent commons and Classroom A3. Increase geothermal return header pipe size from 1-1/4" to 1-1/2"
- 9. Drawing M2-5.1
  - a. Geothermal contractor to route new 2" geothermal circuit 4'-0" inside the building and mechanical contractor scope of work begins at this delineation.
- 10. Drawings M3-2.1A/B/C
  - a. Tagged note #9 not used, omit.
- 11. Drawing M3-2.1B
  - a. Apply tagged note #4 to outside air ductwork located in room Computer Lab 123.
- 12. Drawings M3-3.1A/B/C
  - Tagged note #8 to be changed to the following: Piping to be routed in exterior soffit. Coordinate soffit with general contractor, refer to detail on sheet M-6.0 for additional information.
  - b. Tagged note #9 to be changed to the following: Ductwork to be routed in soffit coordinate soffit with general contractor, refer to detail on sheet M-6.0 for additional information.
- 13. Drawing M3-3.1B
  - a. Omit S-2 grille in Corridor 118 near Classroom 135.
  - b. Tagged note #4 applies to exposed piping in Storage 114.
- 14. Drawing M3-3.1C
  - a. Omit S-2 grille in Corridor 118 near Classroom 105.



- b. Clarification: EF-1 indicated in restroom associated with Classroom 121 to be electric heater EH-1.
- 15. Drawing M4-3.1A
  - a. Refer to Toilet 126C. Add radiant panel RP-1 and thermostat.
- 16. Drawing M-6.0
  - a. The following GRD runouts shall be updated as follows: S-4: 12" ø, S-5: 18"x10", S-6: 8"x6", E-1: 14" ø, E-2: 8"x6", R-7: 20"X20"
- 17. Drawing M-6.1
  - a. Replace sheet. Refer to updated run out schedules for vertical and horizontal heat pumps.
- 18. Drawing M-6.2
  - a. HPS/R runout for RTU-3-03 shall be 1-1/2".
- 19. Drawing M-7.0
  - a. ET-1-01, ET-3-02, ET-1-03, ET-1-04 shall be following: Manufacturer & Model: Taco, CA140-125. Type: Vertical bladder. Tank Volume: 37 gallons. Acceptance Volume: 37 gallons. Unit weight: 300 lbs. Physical Size: 40"H x 20" dia. Charge Pressure: 12 PSIG.
  - ET-2-01, ET-1-02, ET-2-02 shall be following: Manufacturer & Model: Taco, CA90-125.
     Type: Vertical bladder. Tank Volume: 23 gallons. Acceptance Volume: 23 gallons. Unit weight: 200 lbs. Physical Size: 30"H x 20" dia. Charge Pressure: 12 PSIG.

#### 20. Drawing M-7.4

a. R-7 face size shall be 22x22.



## Attachments

The following documents can be found in the files accompanying this addendum.

- 1. Geo System Upgrades\_ADD1\_Elec.pdf
- 2. Geo System Upgrades\_ADD1\_Mech.pdf

RECEIPT OF THIS ADDENDUM MUST BE ACKNOWLEDGED ON THE BID FORM.









## GENERAL DEMOLITION NOTES :

A. DOTTED LINES INDICATE ITEMS FOR REMOVAL (U.O.N.) AND THIN SOLID 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 (U.O.N.). CONTRACTOR SHALL PATCH AND REPAIR ANY EXISTING WALLS, FLOORS OR CEILINGS WHÈRE DÉVICES 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.
- . 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. ALL ABANDONED CABLING ABOVE CEILING SHALL BE REMOVED. PROVIDE NEW J-HOOK SUPPORTS FOR EXISTING UN-SUPPORTED CABLING TO REMAIN. COORDINATE WITH OWNER PRIOR TO DEMOLITION TO IDENTIFY EXISTING CABLING TO REMAIN.
- 0. RELOCATE JUNCTION BOXES AND OTHER EXISTING ITEMS REQUIRING ACCESS TO ACCESSIBLE LOCATIONS WHERE NEW WORK BY ANY TRADE WOULD MAKE SUCH ITEMS INACCESSIBLE.

## TAGGED NOTES :

- 1. MECHANICAL EQUIPMENT SHALL BE DEMOLISHED COMPLETE AS A PART OF MECHANICAL WORK. REMOVE BREAKER, BRANCH CIRCUITING, CONDUIT AND ASSOCIATED ELECTRICAL EQUIPMENT COMPLETELY BACK TO UPSTREAM PANEL.
- 2. MECHANICAL EQUIPMENT SHALL BE DEMOLISHED AS A PART OF MECHANICAL WORK. EXISTING BRANCH CIRCUITING AND CONDUIT SHALL REMAIN. UTILIZE EXISTING BREAKER AS REQUIRED, REFER TO NEW WORK DRAWINGS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
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- D. REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES / FIXTURES / ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT (U.O.N.). 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).
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PARTIAL FIRST FLOOR PLAN (AREA C) - ELECTRICAL DEMOLITION SCALE: 1/8" = 1'-0"

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OF KEN BRIAN K. BAUMGARTLE 23119 KK BR **BID SET** 100 <u>2</u>X 9519 Civic Way, Suite 10 Prospect, KY 40059 T 502 409.4062 F 502 9 MBrangers@CMTA.CON •••• Å. Ш В В GUAR. REVISIONS ADDENDUM #1 - 3/18/22 DATE: 03.11.2022 DRAWN: GJ CHECKED: CMC SET NO.  $\sim\sim\sim\sim$ E2-1 ( Ζ.Ι





## GENERAL NEW WORK NOTES (POWER) :

- 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. 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.
- H. NO CONDUIT SHALL BE INSTALLED UNDERGROUND, EXCEPT FOR DISTRIBUTION EQUIPMENT FEEDERS, UNLESS REQUIRED FOR THE APPLICATION (FLOOR BOXES, ISLANDS, ETC,) OR SPECIFICALLY INDICATED AS SUCH IN CONSTRUCTION DOCUMENTS. NO CONDUIT SHALL BE INSTALLED WITHIN CONCRETE SLABS.

# TAGGED NOTES :

- 1. INTERCEPT AND EXTEND EXISTING BRANCH CIRCUITING AND CONDUIT AS REQUIRED TO PROVIDE POWER TO NEW MECHANICAL EQUIPMENT INDICATED. ROUTE THREE (3) #12 CONDUCTORS AND ONE (1) #12 GROUND IN 3/4" CONDUIT TO NEW 25A/2P BREAKER IN PANELBOARD INDICATED. COORDINATE ALL REQUIREMENTS PRIOR TO CONSTRUCTION.
- 2. ROUTE TWO (2) #12 CONDUCTORS AND ONE (1) #12 GROUND IN NEW 3/4" CONDUIT TO NEW 15A/1P BREAKER IN PANELBOARD INDICATED. COORDINATE ALL REQUIREMENTS PRIOR TO CONSTRUCTION.
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- 5. ROUTE FOUR (4) #12 CONDUCTORS AND ONE (1) #12 GROUND IN NEW 3/4" CONDUIT TO NEW 20A/3P BREAKER IN PANELBOARD INDICATED. COORDINATE ALL REQUIREMENTS PRIOR TO CONSTRUCTION.
- 6. COORDINATE MOUNTING LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO CONSTRUCTION.
- 7. ROUTE FOUR (4) #12 CONDUCTORS AND ONE (1) #12 GROUND IN NEW 3/4" CONDUIT TO NEW 15A/3P BREAKER IN PANELBOARD INDICATED. COORDINATE ALL REQUIREMENTS PRIOR TO CONSTRUCTION.
- 8. ROUTE TWO (2) #10 CONDUCTORS AND ONE (1) #10 GROUND IN NEW 3/4" CONDUIT TO NEW 25A/1P BREAKER IN PANELBOARD INDICATED. COORDINATE ALL REQUIREMENTS PRIOR TO CONSTRUCTION.
- 9. INDOOR UNIT POWERED FROM EXTERIOR UNIT. MATCH WIRE AND CONDUIT AS REQUIRED TO PROVIDE POWER. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO CONSTRUCTION.
- 10. ROUTE FOUR (4) #8 CONDUCTORS AND ONE (1) #10 GROUND IN NEW 3/4" CONDUIT TO NEW 40A/3P BREAKER IN PANELBOARD INDICATED. COORDINATE ALL REQUIREMENTS PRIOR TO CONSTRUCTION. 11. PROVIDE POWER AND NETWORK DROP TO HVAC CONTROL PANEL. PROVIDE 120V CONNECTION AND DATA BOXES AS REQUIRED. COORDINATE EXACT REQUIREMENTS
- WITH MECHANICAL CONTRACTOR.
- 12. ROUTE TWO (2) #12 CONDUCTORS AND ONE (1) #12 GROUND IN NEW 3/4" CONDUIT TO NEW 20A/1P BREAKER IN PANELBOARD INDICATED. COORDINATE ALL REQUIREMENTS PRIOR TO CONSTRUCTION. 13. ROUTE FOUR (4) #10 CONDUCTORS AND ONE (1) #10 GROUND IN NEW 3/4" CONDUIT TO NEW 30A/3P BREAKER IN PANELBOARD INDICATED. COORDINATE ALL
- REQUIREMENTS PRIOR TO CONSTRUCTION. 14. ROUTE FOUR (4) #12 CONDUCTORS AND ONE (1) #12 GROUND IN NEW 3/4"
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COORDINATE ALL REQUIREMENTS PRIOR TO CONSTRUCTION.

- 16. INTERCEPT AND EXTEND EXISTING BRANCH CIRCUITING AND CONDUIT AS REQUIRED TO PROVIDE POWER TO NEW MECHANICAL EQUIPMENT INDICATED. ROUTE FOUR (4) #12 CONDUCTORS AND ONE (1) #12 GROUND IN 3/4" CONDUIT TO NEW 20A/3P BREAKER IN PANELBOARD INDICATED. COORDINATE ALL REQUIREMENTS PRIOR TO CONSTRUCTION.
- 17. DEVICE INDICATED SHALL BE RELOCATED. REMOVE AND REINSTALL IN NEW LOCATION INDICATED ON NEW WORK PLANS. INTERCEPT AND EXTEND ALL EXISTING CABLING TO NEW LOCATION.



# ENLARGED MEZZANINE PLAN - ELECTRICAL SCALE: 1/8" = 1'-0"

C OF KEN BRIAN K. BAUMGARTLE 23119 ·K BO. **BID SET** 100 2Z Sui. 059 F 502 A.CO] 9519 Civic Wa Prospect, KY T 502 409:4062 MBrangersoC •••• ШШ H A GUAR, REVISIONS ADDENDUM #1 - 3/18/22 DATE: 03.11.2022 DRAWN: GJ CHECKED: CMC SET NO.  $\sim\sim\sim\sim$ E2-2 {3. IA

2 E2-3.1A



GENERAL NEW WORK NOTES (POWER) :

- 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. 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.
- H. NO CONDUIT SHALL BE INSTALLED UNDERGROUND, EXCEPT FOR DISTRIBUTION EQUIPMENT FEEDERS, UNLESS REQUIRED FOR THE APPLICATION (FLOOR BOXES, ISLANDS, ETC,) OR SPECIFICALLY INDICATED AS SUCH IN CONSTRUCTION DOCUMENTS. NO CONDUIT SHALL BE INSTALLED WITHIN CONCRETE SLABS.

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- 5. ROUTE FOUR (4) #12 CONDUCTORS AND ONE (1) #12 GROUND IN NEW 3/4" CONDUIT TO NEW 20A/3P BREAKER IN PANELBOARD INDICATED. COORDINATE ALL REQUIREMENTS PRIOR TO CONSTRUCTION.
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- 7. ROUTE FOUR (4) #12 CONDUCTORS AND ONE (1) #12 GROUND IN NEW 3/4" CONDUIT TO NEW 15A/3P BREAKER IN PANELBOARD INDICATED. COORDINATE ALL REQUIREMENTS PRIOR TO CONSTRUCTION.
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  13. ROUTE FOUR (4) #10 CONDUCTORS AND ONE (1) #10 GROUND IN NEW 3/4" CONDUIT TO NEW 30A/3P BREAKER IN PANELBOARD INDICATED. COORDINATE ALL REQUIREMENTS PRIOR TO CONSTRUCTION.
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OF KEN BRIAN K. BAUMGARTLE 23119 ·K.Bo. **BID SET** 9519 Civic Way, Suite 100 Prospect, KY 40059 T 502 409.4062 F 502 919 MBrangers@CMTA.COM Ē Ù 뛷 ALC N В NAO **GUAR** REVISIONS ADDENDUM #1 - 3/18/22 DATE: 03.11.2022 DRAWN: GJ CHECKED: CMC SET NO.  $\sim\sim\sim\sim$ E2·  $\mathbf{n}$ 3. ID



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- 6. COORDINATE MOUNTING LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO CONSTRUCTION.
- 7. ROUTE FOUR (4) #12 CONDUCTORS AND ONE (1) #12 GROUND IN NEW 3/4" CONDUIT TO NEW 15A/3P BREAKER IN PANELBOARD INDICATED. COORDINATE ALL REQUIREMENTS PRIOR TO CONSTRUCTION. 8. ROUTE TWO (2) #10 CONDUCTORS AND ONE (1) #10 GROUND IN NEW 3/4"
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OF KEN BRIAN K. BAUMGARTLE 23119 k Rs **BID SET** 2Z Õ Suite 059 F 502 TACO <sup>a</sup>V. 40. 9519 Civic Wa Prospect, KY T 502 409.4062 MBrangers©C •••• • Ũ lш NTX D  $\mathsf{IO}$ Pula NTEE OAK **GUAR** REVISIONS ADDENDUM #1 - 3/18/22 DATE: 03.11.2022 DRAWN: GJ CHECKED: CMC SET NO.  $\sim\sim\sim\sim$ E2  $\frown$ 





# GENERAL NEW WORK NOTES (ROOF) : 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 LAMACOID 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 (U.O.N).
- K. ALL ROOF-MOUNTED DEVICES AND EQUIPMENT TO BE BRACED FOR RESISTANCE OF THE WIND SPEED INDICATED ON THE STRUCTURAL PLANS.

- 1. MECHANICAL EQUIPMENT SHALL BE DEMOLISHED COMPLETE AS A PART OF MECHANICAL WORK. REMOVE BREAKER, BRANCH CIRCUITING, CONDUIT AND ASSOCIATED ELECTRICAL EQUIPMENT COMPLETELY BACK TO UPSTREAM PANEL. 2. ROUTE FOUR (4) #12 CONDUCTORS AND ONE (1) #12 GROUND IN NEW 3/4" CONDUIT TO NEW 15A/3P BREAKER IN PANELBOARD INDICATED. COORDINATE ALL REQUIREMENTS PRIOR TO CONSTRUCTION.
- 3. ROUTE FOUR (4) #12 CONDUCTORS AND ONE (1) #12 GROUND IN NEW 3/4" CONDUIT TO NEW 20A/3P BREAKER IN PANELBOARD INDICATED. COORDINATE ALL REQUIREMENTS PRIOR TO CONSTRUCTION.
- 4. ROUTE TWO (2) #12 CONDUCTORS AND ONE (1) #12 GROUND IN NEW 3/4" CONDUIT TO NEW 20A/1P BREAKER IN PANELBOARD INDICATED. COORDINATE ALL REQUIREMENTS PRIOR TO CONSTRUCTION.
- 5. ROUTE FOUR (4) #4 CONDUCTORS AND ONE (1) #8 GROUND IN NEW 1-1/4" CONDUIT TO NEW 70A/3P BREAKER IN PANELBOARD INDICATED. COORDINATE ALL REQUIREMENTS PRIOR TO CONSTRUCTION.
- 6. ROUTE FOUR (4) #8 CONDUCTORS AND ONE (1) #10 GROUND IN NEW 3/4" CONDUIT TO NEW 35A/3P BREAKER IN PANELBOARD INDICATED. COORDINATE ALL REQUIREMENTS PRIOR TO CONSTRUCTION.

OF KEN BRIAN K. BAUMGARTLE 23119 **BID SET** 100 9 502 91 COM 9519 Civic Prospect, ] T 502 409. MBranger Ċ) Ĕ ſ Ŋ REVISIONS ADDENDUM #1 - 3/18/22 DATE: 03.11.2022 DRAWN: GJ CHECKED: CMC SET NO.  $\sim\sim\sim$ E2-3.2







OF KEN DOUGLAS R HUNDLEY BID SET 52 ດ 9519 Civic Way, Suite 100 Prospect, KY 40059 T 502 409.4062 F 502 91 MBrangers@CMTA.COM **Energy So** Pulaski County Schools GUARANTEED ENERGY SAVINGS CONTRACT EUBANK ELEMENTARY SCHOOL EUBANK ELEMENTARY SCHOOL ATIC HEM, PIPING REVISIONS ADDENDUM #1 - 3/18/22 DATE: 03.11.2022 DRAWN: EM, LA, HC, NT CHECKED: CG SET NO. M1-4.