



University of Kentucky®

Procurement Services

INVITATION FOR BIDS

CCK-3282.00-1-26

Install Cooling for Data Rooms in PAV A.

ADDENDUM #1

06/23/2026

IMPORTANT: BID AND ADDENDUM MUST BE RECEIVED BY: 06/30/2026 @ 3:00 P.M. LEXINGTON, KY TIME

Bidder must acknowledge receipt of this, and any addendum as stated in the Invitation for Bids.

ITEM #1: QUESTIONS AND RESPONSES

- Refer to and incorporate within the offer, the enclosed Questions and Responses and additional information from the project team.

OFFICIAL APPROVAL
UNIVERSITY OF KENTUCKY

06/23/2026

Ken Scott

Ken Scott / (859) 257-9102

SIGNATURE

Typed or Printed Name

Uk PAV A - INSTALL COOLING FOR DATA ROOMS
ADDENDUM # 1 - MEP **JUNE 23, 2026**

- Item #1 Refer to the revised Mechanical Drawing M5.0
A. Added cooling fluid description to BCU-1 schedule. (30% propylene)

END OF ADDENDA ITEMS

BLOWER COIL SCHEDULE																										
	TYPE	MANUFACTURER	MODEL #	WEIGHT (LBS)	DIMENSIONS (IN)			SUPPLY FAN								COOLING COIL										REMARKS
					LENGTH	WIDTH	HEIGHT	NOM. CFM	ESP (IN WC)	DRIVE	MOTOR HP	MCA	MOP	VOLTAGE	PHASE	EAT DB (°F)	LAT DB (°F)	EAT WB (°F)	LAT WB (°F)	TOTAL COOLING CAPACITY (MBH)	SENSIBLE COOL CAPACITY (MBH)	EWT (°F)	LWT (°F)	GPM	WPD (FT H2O)	
BCU-1	BLOWER COIL	TRANE	BCHE120	404	41	58	26	4000	1.00	DIRECT	2.834	14 A	25 A	208 V	3	70	50	59	50	95.9	89.2	44	51	32	18.54	ALL

REMARKS
1. COORDINATE ELEVATION WITH CABLE TRAY.
2. COOLING ONLY UNIT.
3. 1" PLEATED FILTERS, FOIL FACED LINING.
4. CONTRACTOR SHALL PROVIDE A LITTLE GIANT MODEL VSMA-200LS THAT SHALL COLLECT CONDENSATE FROM THE BCU'S PRIMARY CONDENSATE DRAIN PAN AND THE UNIT'S SECONDARY CONDENSATE DRAIN PAN.
5. COOLING CAPACITY SHALL BE BASED ON 30% PROPYLENE GLYCOL.

HVAC SPECIFICATIONS

1. GENERAL

A. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARDS AND SAFETY REQUIREMENTS. ADDITIONALLY, ALL WORK SHALL CONFORM TO ALL PROJECT OWNER'S STANDARDS. UTILITIES SHALL ALSO BE INSTALLED IN ACCORD WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.

B. THE DRAWINGS ARE DIAGRAMMATIC ONLY AND INDICATE THE GENERAL ARRANGEMENT OF THE SYSTEMS AND ARE TO BE FOLLOWED INsofar AS POSSIBLE. IF DEVIATIONS FROM THE LAYOUTS ARE NECESSITATED BY FIELD CONDITIONS, DETAILED LAYOUTS OF THE PROPOSED DEPARTURES SHALL BE SUBMITTED IN WRITING TO THE ENGINEER FOR APPROVAL BEFORE PROCEEDING WITH THE WORK. THE CONTRACT DRAWINGS ARE NOT INTENDED TO SHOW EVERY VERTICAL OR HORIZONTAL OFFSET WHICH MAY BE NECESSARY TO COMPLETE THE SYSTEMS. CONTRACTORS SHALL, HOWEVER, ANTICIPATE THAT ADDITIONAL OFFSETS MAY BE REQUIRED AND SUBMIT THEIR BID ACCORDINGLY.

C. THE CONTRACTOR SHALL INFORM HIMSELF OF ALL OF THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED, THE SITE OF THE WORK, THE STRUCTURE OF THE GROUND, THE OBSTACLES THAT MAY BE ENCOUNTERED, THE AVAILABILITY AND LOCATION OF NECESSARY FACILITIES AND ALL RELEVANT MATTERS CONCERNING THE WORK. THE CONTRACTOR SHALL CAREFULLY EXAMINE ALL DRAWINGS AND SPECIFICATIONS AND DETERMINE THE KIND AND TYPE OF MATERIALS TO BE USED THROUGHOUT THE PROJECT AND WHICH MAY, IN ANY WAY, AFFECT THE EXECUTION OF HIS WORK. THE CONTRACTOR SHALL FULLY ACQUAINT HIMSELF WITH ALL EXISTING CONDITIONS AS TO INGRESS AND EGRESS, DISTANCE OF HAUL FROM SUPPLY POINTS, ROUTES FOR TRANSPORTATION OF MATERIALS, FACILITIES AND SERVICES. AVAILABILITY OF UTILITIES, ETC. HIS PROPOSAL SHALL COVER ALL EXPENSES OF DISBURSEMENTS IN CONNECTION WITH SUCH MATTERS AND CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL WORK SHOWN ON THE DRAWINGS AND CONDITIONS AT THE SITE, AND SHALL REPORT IMMEDIATELY TO THE ENGINEER TEN DAYS (10) PRIOR TO BIDDING. ANY DISCREPANCIES WHICH MAY APPEAR IN ORDER THAT MISUNDERSTANDING AT A LATER DATE MAY BE PREVENTED. NO ALLOWANCE IS TO BE MADE FOR LACK OF KNOWLEDGE CONCERNING SUCH CONDITIONS AFTER BIDS ARE ACCEPTED.

D. THE CONTRACTOR SHALL GUARANTEE ALL EQUIPMENT, APPARATUS, MATERIALS, AND WORKMANSHIP ENTERING INTO THIS CONTRACT TO BE THE BEST OF ITS RESPECTIVE KIND AND SHALL REPLACE ALL PARTS AT HIS OWN EXPENSE, WHICH ARE PROVEN DEFECTIVE WITHIN ONE (1) YEAR FROM FINAL ACCEPTANCE OF THE WORK BY THE ENGINEER. THE EFFECTIVE DATE OF COMPLETION OF THE WORK SHALL BE THE DATE OF THE ENGINEER'S STATEMENT OF SUBSTANTIAL COMPLETION. THE CONTRACTOR SHALL PRESENT THE ENGINEER WITH SUCH WARRANTIES AND GUARANTEES AT THE TIME OF FINAL ACCEPTANCE OF THE WORK. THE ENGINEER SHALL THEN SUBMIT THESE WARRANTIES, ETC., TO THE OWNER. THE OWNER RESERVES THE RIGHT TO USE EQUIPMENT INSTALLED BY THE CONTRACTOR PRIOR TO DATE OF FINAL ACCEPTANCE. SUCH USE OF EQUIPMENT SHALL, IN NO WAY, INVALIDATE THE GUARANTEE EXCEPT THAT THE OWNER SHALL BE LIABLE FOR ANY DAMAGE TO EQUIPMENT DURING THIS PERIOD, DUE TO NEGLIGENCE OF THE OPERATOR OR OTHER EMPLOYEES.

E. PATCHING AND REPAIRING MADE NECESSARY BY WORK PERFORMED UNDER THIS CONTRACT SHALL BE INCLUDED AS A PART OF THE WORK AND SHALL BE DONE BY SKILLED MECHANICS OF THE TRADE OR TRADES FOR WORK CUT OR DAMAGED. ALL WORK SHALL MATCH ADJACENT SURFACES IN A MANNER ACCEPTABLE TO THE ENGINEER.

F. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE OWNER WITHIN THIRTY (30) DAYS AFTER THE DATE OF THE CONTRACT, A MINIMUM OF SEVEN (7) COPIES OF ALL SHOP DRAWINGS, CERTIFIED EQUIPMENT DRAWINGS, INSTALLATION, OPERATING AND MAINTENANCE INSTRUCTIONS, SAMPLES, WIRING DIAGRAMS, ETC. ON ALL ITEMS OF EQUIPMENT SPECIFIED HEREINAFTER.

G. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN AND PAY FOR ALL PERMITS, GOVERNMENT SALES TAXES, FEES, INSPECTIONS AND OTHER COSTS, INCLUDING ALL UTILITY CONNECTIONS, METERS, METER SETTINGS, TAPS, TAP FEES, EXTENSIONS, ETC., IN CONNECTION WITH HIS WORK. FILE ALL NECESSARY PLANS, PREPARE ALL DOCUMENTS AND OBTAIN ALL NECESSARY APPROVALS OF ALL GOVERNMENTAL DEPARTMENTS AND, OR THE APPROPRIATE MUNICIPALITY OR UTILITY COMPANY HAVING JURISDICTION, WHETHER INDICATED OR SPECIFIED OR NOT. HE SHALL ALSO OBTAIN ALL REQUIRED CERTIFICATES OF INSPECTION FOR HIS WORK AND DELIVER SAME TO THE ENGINEERS BEFORE REQUEST FOR ACCEPTANCE AND FINAL PAYMENT FOR THE WORK. IGNORANCE OF CODES, RULES, REGULATIONS, LAWS, ETC., SHALL NOT RENDER THE CONTRACTOR IRRESPONSIBLE FOR COMPLIANCE.

H. ALL MATERIALS FURNISHED AND ALL WORK INSTALLED SHALL COMPLY WITH THE NATIONAL FIRE CODES OF THE NATIONAL FIRE PROTECTION ASSOCIATION, WITH THE REQUIREMENTS OF LOCAL UTILITY COMPANIES, AND WITH THE REQUIREMENTS OF ALL GOVERNMENTAL DEPARTMENTS HAVING JURISDICTION.

I. ALL MATERIALS AND EQUIPMENT FOR THE ELECTRICAL PORTION OF THE MECHANICAL SYSTEMS SHALL BEAR THE APPROVAL LABEL OF, OR SHALL BE LISTED BY THE UNDERWRITERS' LABORATORIES, INCORPORATED.

J. ALL PLUMBING WORK IS TO BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH PLANS AND SPECIFICATIONS WHICH HAVE BEEN APPROVED IN THEIR ENTIRETY AND/OR REFLECT ANY CHANGES REQUESTED BY THE STATE DEPARTMENT OF HEALTH. PLUMBING WORK SHALL NOT COMMENCE UNTIL SUCH PLANS ARE IN THE HANDS OF THE PLUMBING CONTRACTOR. ALL HEATING, VENTILATION AND AIR CONDITIONING WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE STATE BUILDING CODE AND AMENDMENTS THERETO, THE LATEST STANDARDS RECOGNIZED BY THE AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING AND THE NATIONAL FIRE PROTECTION ASSOCIATION.

L. ALL WORK IN RELATION TO THE INSTALLATION OF SANITARY SHALL, IN ADDITION TO ALL OTHER CODES, RULES, REGULATIONS AND STANDARDS, BE IN COMPLIANCE WITH THE LOCAL AGENCY GOVERNING SUCH INSTALLATIONS.

2. PIPE, FITTINGS AND PIPE SUPPORT

A. THE PIPING INDICATED SHALL BE INSTALLED COMPLETE AND SHALL BE OF THE SIZES INDICATED. WHEN A PIPE SIZE IS NOT INDICATED, THE AFFECTED CONTRACTOR SHALL REQUEST THE PIPE SIZE FROM THE ENGINEERS. ALL PIPING SHALL BE INSTALLED STRAIGHT AND TRUE, PARALLEL OR PERPENDICULAR TO THE BUILDING CONSTRUCTION. PIPING SHALL BE INSTALLED SO AS TO ALLOW FOR EXPANSION WITHOUT DAMAGE TO THE BUILDING FINISHES. STRUCTURE, PIPE, EQUIPMENT, ETC., USE OFFSETS AS REQUIRED. NO MITERED JOINTS IN FIELD FABRICATED PIPE BENDS SHALL BE ACCEPTED.

B. ALL PIPE SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE IN A NEAT AND WORKMANLIKE MANNER. SPACING OF PIPE SUPPORTS SHALL NOT EXCEED TEN FEET OF ALL PIPING. INSULATED PIPING SHALL BE SUPPORTED ON RIGID INSULATION BLOCK AT EACH HANGER SO AS TO PREVENT CRUSHING OF INSULATION BY HANGERS. HANGERS SHALL PASS COMPLETELY AROUND THE INSULATION JACKET AND A STEEL PROTECTIVE SADDLE SHALL BE APPLIED TO PREVENT COMPRESSION OF THE INSULATION.

C. PIPING MATERIAL SHALL BE AS FOLLOWS: DOMESTIC HOT AND COLD WATER AND RECIRCULATING HOT WATER: TYPE "L" HARD COPPER TUBING WITH WROUGHT COPPER FITTINGS WITH LEAD FREE SOLDER EQUIVALENT IN PERFORMANCE TO 95/5. (MAXIMUM LEAD CONTENT OF SOLDER AND FLUX IS 2%).

HYDRONIC PIPING (CHILLED WATER)
(1) 2" AND SMALLER: SCHEDULE 40 BLACK STEEL PIPE WITH SCREWED FITTINGS OR TYPE "L" HARD COPPER TUBING WITH WROUGHT COPPER FITTINGS AND 95/5 SOLDER.
(2) 2-1/2" AND LARGER: SCHEDULE 40 BLACK STEEL PIPE WITH 125# WELDED OR FLANGED JOINTS. WELD JOINTS MAY BE USED FOR BRANCH LINE CONNECTIONS TO PIPE MAINS. TYPE "L" HARD COPPER PIPING WITH WROUGHT COPPER FITTINGS AND 95/5 SOLDER MAY BE INSTALLED.
(3) SCHEDULE 40 VICTAULIC OR APPROVED EQUIVALENT MECHANICAL GROOVED PIPE COUPLINGS AND FITTINGS WITH 125# RATING MINIMUM MAY BE USED. INSTALL GASKETS AS RECOMMENDED BY THE MANUFACTURER. PIPING SYSTEM SHALL BE RATED FOR MINIMUM OF 220°F WATER TEMPERATURE. MECHANICAL GROOVED PIPING MAY NOT BE USED IF SYSTEM WATER TEMPERATURE EXCEEDS 220°F.

(4) SPECIAL NOTES:
A. DIELECTRIC UNIONS SHALL BE PROVIDED AT ALL CONNECTIONS OF DISSIMILAR MATERIALS.
B. PIPING SHALL MEET ALL STATE BOILER CODE REQUIREMENTS. PAY PARTICULAR ATTENTION TO WELDED PIPE REQUIREMENTS FOR HOT WATER SYSTEMS.
C. TAKEOFFS AND BRANCH PIPING TO INDIVIDUAL COILS OR HEAT PUMPS SHALL NOT BE CONNECTED TO THE BOTTOM OF HYDRONIC MAINS. CONNECTION TO MAINS SHALL BE AT THE SIDE OF THE MAIN. ALSO REFER TO DETAILS ON THE DRAWINGS.

AIR VENT DISCHARGE LINES
TYPE "L" SOFT COPPER; WROUGHT COPPER FITTINGS, 95/5 SOLDER.

CONDENSATE DRAIN LINES
(1) TYPE "DWV" COPPER, WROUGHT COPPER, LEAD FREE SOLDER.

3. TEST AND BALANCE

A. TEST AND BALANCE SHALL BE PERFORMED BY AN AABC OR NEBB MEMBER OR FULL TIME TEST AND BALANCE AGENCY CERTIFIED BY NEBB.

B. SYSTEM BALANCING, WHERE REQUIRED, SHALL BE PERFORMED ONLY BY PERSONS SKILLED IN THIS WORK. THE SYSTEM SHALL BE BALANCED AS OFTEN AS NECESSARY TO OBTAIN DESIRED SYSTEM OPERATION AND RESULTS.

C. THE CONTRACTOR SHALL PERFORM AND BE RESPONSIBLE FOR LUBRICATION OF ALL EQUIPMENT PRIOR TO OPERATION. EQUIPMENT DAMAGED BY FAILURE TO PERFORM PROPER LUBRICATION SHALL BE REPAIRED AT HIS EXPENSE.

D. FOR THE PURPOSE OF PLACING THE HEATING, VENTILATING AND AIR CONDITIONING SYSTEM IN OPERATION ACCORDING TO DESIGN CONDITIONS AND CERTIFYING SAME, THE CONTRACTOR SHALL PROCURE THE SERVICES OF AN INDEPENDENT COMPANY, APPROVED BY THE ENGINEER, THAT SPECIALIZES IN AND WHOSE BUSINESS IS TO BALANCE AND TEST MECHANICAL SYSTEMS. THE COMPANY SHALL BE EQUIPPED AND HAVE THE QUALIFIED TECHNICAL PERSONNEL AS REQUIRED BY AABC OR NEBB.

E. INSTRUMENTS USED FOR TESTING AND BALANCING OF AIR AND HYDRONIC SYSTEMS SHALL HAVE BEEN CALIBRATED WITHIN A PERIOD OF SIX MONTHS PRIOR TO BALANCING. ALL FINAL TEST ANALYSIS REPORTS SHALL INCLUDE A LETTER OF CERTIFICATION LISTING INSTRUMENTATION USED AND LAST DATE OF CALIBRATION.

F. FOUR (4) COPIES OF THE COMPLETE TEST REPORTS SHALL BE SUBMITTED TO THE CONSULTING ENGINEER PRIOR TO FINAL ACCEPTANCE OF THE PROJECT. PRELIMINARY TEST REPORTS SHALL BE SUBMITTED WHEN REQUESTED.

G. CONTRACTOR SHALL BALANCE THE BLOWER COIL'S CHILLED WATER COIL FLOW RATE TO SCHEDULED GPM.

4. INSULATION

A. INSULATION, JACKETS AND FACINGS SHALL HAVE COMPOSITE FIRE AND SMOKE HAZARD RATINGS AS TESTED BY ASTM E-84, NFPA 255 AND U.L. 723 PROCEDURES NOT EXCEEDING FLAME SPREAD 25, SMOKE DEVELOPED 50 AND FUEL CONTRIBUTED 50. ADHESIVE, MASTICS, TAPES AND FITTING MATERIALS SHALL HAVE THE SAME COMPONENT RATINGS.

B. INSULATION FOR THE APPLICATIONS LISTED BELOW SHALL BE OWENS-CORNING MODEL 29AS/ISSI OR APPROVED EQUIVALENT FIBERGLASS PIPE INSULATION WITH AN ALL SERVICE JACKET. THE INSULATION SHALL BE A HEAVY DENSITY, PIPE INSULATION WITH A K FACTOR .22 AT 75 DEGREE MEAN TEMPERATURE. THE INSULATION SHALL BE WRAPPED WITH A VAPOR BARRIER JACKET. THE JACKET SHALL HAVE AN INSIDE FOIL SURFACE WITH SELF SEALING LAP AND A WATER VAPOR PERMEABILITY OF .02 PER INCH. ALL CIRCUMFERENTIAL JOINTS SHALL BE VAPOR SEALED WITH BUTT STRIPS. ALL INSULATION SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE FOLLOWING PIPES SHALL BE INSULATED WITH THE THICKNESS OF INSULATION AS NOTED:

HYDRONIC CHILLED WATER PIPING 2" OR GREATER - 2" THICK.

CONDENSATE DRAIN PIPING 1 1/2" OR LESS - 1/2" THICK INSULATION.

4. HVAC EQUIPMENT

1. (BLOWER COIL UNIT - BCU)
A. DESCRIPTION OF EQUIPMENT
PROVIDE FACTORY-ASSEMBLED, HORIZONTAL BLOWER COIL UNITS DESIGNED FOR NON-DUCTED AIR DISTRIBUTION APPLICATIONS. UNITS SHALL BE SUITABLE FOR CHILLED WATER SERVICE AND SHALL BE FURNISHED AS A COMPLETE, INTEGRATED ASSEMBLY INCLUDING CABINET, FAN, MOTOR, COILS, CONTROLS, AND APPURTENANCES. UNITS SHALL BE MANUFACTURED FOR INDOOR INSTALLATION AND ARRANGED TO PERMIT SERVICE ACCESS TO ALL MAJOR COMPONENTS.

2. PRODUCTS
A. GENERAL REQUIREMENTS
BLOWER COIL UNITS SHALL BE FACTORY ASSEMBLED, WIRED, TESTED, AND LABELED BY THE MANUFACTURER. UNITS SHALL BE DESIGNED FOR CONTINUOUS OPERATION WITHIN THE MANUFACTURER'S RATED LIMITS AND SHALL BE SUITABLE FOR INSTALLATION IN MECHANICAL ROOMS, CEILING SPACES, OR OTHER INDOOR SERVICE LOCATIONS. COMPONENTS SHALL BE ACCESSIBLE FOR INSPECTION, SERVICE, AND REPLACEMENT WITHOUT REQUIRING REMOVAL OF THE UNIT FROM ITS INSTALLED POSITION.

B. CABINET CONSTRUCTION
THE UNIT CABINET SHALL BE CONSTRUCTED OF GALVANIZED STEEL PANELS AND PROVIDED WITH FOIL-FACED INSULATION. DOUBLE-WALL CABINET CONSTRUCTION SHALL BE PROVIDED TO PREVENT EXPOSED INSULATION WITHIN THE AIR STREAM. CABINETS SHALL INCORPORATE REMOVABLE ACCESS PANELS FOR SERVICE AND INSPECTION AND SHALL INCLUDE A NON-CORROSIVE, SLOPED, REMOVABLE CONDENSATE DRAIN PAN DESIGNED TO ENSURE POSITIVE CONDENSATE DRAINAGE.

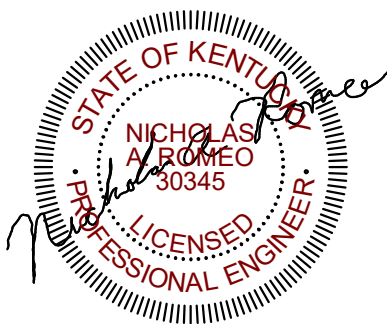
C. FAN AND MOTOR ASSEMBLY
EACH UNIT SHALL BE FURNISHED WITH A FORWARD-CURVED CENTRIFUGAL FAN THAT IS STATICALLY AND DYNAMICALLY BALANCED TO MINIMIZE VIBRATION AND NOISE. FANS SHALL BE DIRECTLY DRIVEN BY HIGH-EFFICIENCY ECM MOTORS SUITABLE FOR VARIABLE-SPEED OPERATION. THE FAN AND MOTOR ASSEMBLY SHALL BE MOUNTED ON VIBRATION-ISOLATED SUPPORTS, AND THE UNIT SHALL BE CAPABLE OF CONSTANT VOLUME OR SINGLE-ZONE VARIABLE AIR VOLUME OPERATION AS REQUIRED BY THE APPLICATION.

D. COIL SECTIONS
COOLING AND HEATING COILS SHALL BE FACTORY INSTALLED AND PRESSURE TESTED. COILS SHALL BE CONSTRUCTED OF COPPER TUBES MECHANICALLY BONDED TO ALUMINUM FINS AND SHALL BE SUITABLE FOR THE INTENDED SERVICE. COIL TYPES MAY INCLUDE CHILLED WATER COOLING COILS AS SCHEDULED. COIL ROW QUANTITY, CIRCUITING, AND CAPACITY SHALL BE SELECTED TO MEET PROJECT REQUIREMENTS.

E. FILTRATION
UNITS SHALL BE FURNISHED WITH FACTORY-INSTALLED FILTER RACKS DESIGNED TO ACCOMMODATE REPLACEABLE FILTERS. FILTERS SHALL BE ACCESSIBLE FROM THE SIDE OR BOTTOM OF THE UNIT, DEPENDING ON CONFIGURATION. FILTER OPTIONS SHALL INCLUDE MERV 8 EFFICIENCY AS REQUIRED TO MEET PROJECT INDOOR AIR QUALITY GOALS.

F. ELECTRICAL
UNITS SHALL BE FURNISHED WITH CAPABILITY TO ACCEPT FIELD INSTALLED 3RD PARTY CONTROLLER AND A 24-VOLT CONTROL CIRCUIT FOR FIELD PROVIDED CONTROLS. POWER SUPPLY VOLTAGE AND PHASE SHALL BE AS SCHEDULED. WHERE ELECTRIC HEATING IS PROVIDED, HEATING ELEMENTS SHALL BE FACTORY INSTALLED AND FURNISHED WITH INTEGRAL SAFETY CONTROLS AND STAGING AS REQUIRED.

G. CONTROLS
UNITS SHALL BE PROVIDED WITH THE ABILITY TO ACCEPT FIELD-MOUNTED AND FIELD WIRED CONTROLS AND SHALL BE COMPATIBLE WITH BUILDING AUTOMATION SYSTEMS. CONTROLS SHALL BE SUITABLE FOR INTEGRATION WITH BACNET SYSTEMS AND MAY INCLUDE CONSTANT VOLUME CONTROL, MODULATING CONTROL VALVE, CONDENSATE OVERFLOW SAFETY SWITCHES AND LEAK DETECTION FOR SECONDARY CONDENSATE DRAIN PAN.



REVISIONS		
NO.	DESCRIPTION	DATE
1	ADDENDUM 1	6/23/26

INSTALL COOLING FOR DATA ROOMS			
SCALE: AS NOTED	BLDG NAME: CHANDLER HOSPITAL PAVILION	DRAWN BY: SANNAN	PROJ # KDC026
DATE: 06/02	PROJ. NO. 0602	REV: 01	REV: 01

SHEET #
M5.0

CCK-3282.0-1-26 Question and Response Log As Of: 06/23/26 @ 11:36AM				
#	Date	Question	Responder	Response
1	6/16/2026	What is the material of the existing GWS 4” mains that we are to hot tap branches onto?	N. Romeo (CMTA)	Schedule 40 steel pipe
2		There is a fan coil connection schematic detail on sheet M.4, but no fan coils actually shown in this scope of work. Where does this apply?	N. Romeo (CMTA)	Detail applies to Blower Coil (BCU-1), which is a type of fan coil.
3		Are there any areas of new pipe routing or electrical routing that will be ran in occupied/active patient areas of the hospital? Please identify these areas/corridors on the prints if so.	N. Romeo (CMTA)	All new piping will be installed in the BDF rooms and in corridors in the basement of PAV A. These are back of house corridors.
4		Where will infection/HEPA filter control be needed on this project specifically, if required?	Ron Morris (UK)	Potentially at all work areas.
5		Is there access above the existing cable trays to be able to attach support to the structure above for the new BCs?	N. Romeo (CMTA)	Yes.
6		Is there access above the existing cable trays/overhead in the data rooms to be able to maneuver the new BCs into place? No utility demo/relocation is shown to make space. Please confirm.	N. Romeo (CMTA)	Size of BCU-1 should be able to be installed between the data racks and cable trays. Unit may need to be truned in it's side to lift above cable tray.
7		Who is responsible for protection of owners data racks/devices/property directly below the new construction work overhead? What does this protection entail?	Ron Morris (UK)	Contractor
8		Specs do not indicate who is to provide and load the system with the glycol needed for the added footage of piping. Please advise if this is by owner. If not by owner, please advise type of glycol/percentage required/location of nearest glycol feeder for this system.	N. Romeo (CMTA)	Contractor shall be responisble for maintain the loop's Propolyene Glycol concentration at 30%. With hot tapping it is not aniticipated to be a large glycol addition to the system. Contractor shall measure concetration of glycol prior to work and match after new BCU-1 installed and additional make-up water is added for the new piping and coil fill. Glycol fil station is located in basement level Mechanical Room - A0B200.
9		Will there be a pre-bid walkthrough of the space as mentioned in the pre-bid at Peterson?	Ron Morris (UK)	Yes.
10		Does the owner require a spec 36*36*6 panel for the amount of Tier 1 controls involved as to conserve space.	N. Romeo (CMTA)	Controls contractor shall determine the size of control panel that will allow for the full installation of the control system in the locations identified on the plans.
11		Edge series controllers are discontinued. What are the requirements both device count and SMA if the controller is required to be a JACE 9000 with I/O	N. Romeo (CMTA)	Jace 9000 with I/O will be used. Current point count per BCU-1 is (4) DI, (1) DO, (3) AI, (1) AO and (4) virtual analog.
12		Other contractors not aware of this will bid low equipment while the JACE with substantial licensing affects cost.	N. Romeo (CMTA)	See previous reponse.