Bid Addendum 02 – RUP 5 Data Ctr Exp

CLARKNEXSEN

1111 Metropolitan Ave, Suite 333
Charlotte, NC 28204

Project: UNC Charlotte:
RUP 5 Data Center Expansion

Date: April 29, 2026

Comm #: SCO ID #: 25-29321-01A (Phase 1)
SCO ID #: 25-29664-01A (Phase 2)
SCO ID #: 25-29665-01A (Phase 3)
Clark Nexsen #: 10789

Purpose: Pre-Bid Meeting.

Prepared by: Derick J. Ritter, LEED AP, Sr. PM / Associate

This ADDENDUM is to be a part of the contract documents and modifies and takes precedence over the original bid documents, as noted below and in any attached documents. Original items of the plans and specifications that have been modified, amended, voided or suspended through previous addendums, shall remain in effect. It is the responsibility of the Bidder to notify and/or distribute this ADDENDUM to those sub-bidders who have received prints or digital files. The Bidder is to acknowledge receipt of this ADDENDUM in the space provided on the Bid Form.

Addendum package contains revised documents to address contractor RFIs (where applicable) and some University Working Drawing (WD) submittal review comments.

Submitted Bidder RFI Questions and additional clarifications:

1. I couldn't find any specs for a fire alarm. Am I missing something?
   A/E RESPONSE: There is no spec. Fire alarm scope is defined on sheet EP102, note 11.

2. Looking at page 355 of the project manual, I see the equipment listed from there onwards thru the manual that the Owner is providing. Has the university ordered any of this equipment? If so, do you have projected shipping dates? If not, what are you hearing on lead times from the manufacturers?
   A/E RESPONSE: A vast majority of the computing rack equipment has been ordered and is currently onsite within the Data Center. The switchboard is expected to be delivered February 2027 timeframe.

3. What is the estimated construction budget?
   A/E RESPONSE: $1,100,000

4. What all electrical equipment is owner provided? Can we please get a list of owner provided items?
   A/E RESPONSE: A complete list of Owner furnished equipment is documented on Sheet E-001.

5. Is there any Mechanical Owner Provided Items?
A/E RESPONSE: No, other than the equipment listed in Appendix A of the Project Manual, all mechanical equipment shown on sheet MH101 is per the bidder's scope.

6. Will we have to pay for badges to get access to the building?
A/E RESPONSE: UNC Charlotte will coordinate exact security measures of the facility during the project pre-construction meeting. However, there are no expected costs to the contractor.

7. Will a Laydown area for dumpsters/ storage be provided? If so where will this be?
A/E RESPONSE: Yes, laydown area for dumpsters and storage will be provided within the project area/vicinity. Exact location will be determined with the selected contractor prior to the project's pre-construction meeting.

8. Will the Start and Completion dates for each phase be issued in the addenda?
A/E RESPONSE: No, completion dates are not per phase. A vast majority of the computing rack equipment has been ordered and is currently onsite within the Data Center. The switchboard is expected to be delivered February 2027 timeframe. The overall project completion date is expected to be 90 days upon delivery of the switchboard. Exact completion date will be determined and coordinated with the selected contractor prior to the project's pre-construction meeting.

9. Please confirm; NO circuit setters/autoflow control valves are needed on this installation.
A/E RESPONSE: Autoflow control valves are included as a constituent component of the in-row cooling units that are provided by other than the mechanical contractor. Because the autoflow valves are included, circuit setters are contraindicated and not included.

10. Please confirm; NO y-strainers installed at each unit.
A/E RESPONSE: Per UNCC direction, strainers in branch chilled water lines to the cooling units are not to be included in the installation.

11. Please confirm; NO Test and Balance is needed due to no circuit setters/autoflow control valves being installed – flow can be verified at each in row unit if acceptable
A/E RESPONSE: Per the drawings, flow rate to cooling units is to be measured and reported

12. Please confirm; Upsize the existing ½" drain connections on the common drain line to 7/8", to share (2) units per 7/8" drain connections
A/E RESPONSE: Scope of work herein is based on the in-row cooling units (IRCU), (that are supplied by others), to include (as a part of the IRCU) an autoflow control valve in the chilled water piping of the IRCU. The autoflow automatically regulates the chilled water flowrate to the IRCU.

In the trench add a new 1" drain tee to the top of the main drain line. Install new condensate drain lines from the new IRCUs to the new tees. Provide a minimum of six new tees and cap those not

used by the project. Locate tees to be aligned with the IRCUs to minimize the length of the new drains from the IRCU to the new tees on the main in the trench.

13. Please confirm; Add (4) additional 2" taps for future growth for direct to chip chilled water manifold – are these the same taps mentioned in the key notes section or are these 4 additional.
A/E RESPONSE: The four new 2" taps 9two in supply and two in return) are show by key note 5 on sheet MH101.

14. Drawings state to replace 20 mesh screens in existing y-strainers, can we quote to clean them, not replace them.
A/E RESPONSE: Replace screens (provide new) as stated on the bid documents.

15. Drawings state to replace air filters on AHUs at the end of the project, is this needed, Would a HEPA recirculation fan be needed?
A/E RESPONSE: As stated by key note 6, AHU is to not operate during construction. As stated, new filters are to be installed in the AHU at the end of the project.

16. Drawings state a PCU (portable cooling unit), is this needed?
A/E RESPONSE: PCU is part of the project. Since the AHU will not be operational, the PCU is the source of space cooling for the portion the Data Center remaining in operation.

17. Drawings state a vapor barrier insulation is required on branch piping, the existing is arm-a-flex. Is Arm-a-flex suitable on the flex hoses and/or branch lines?
A/E RESPONSE: Armaflex is acceptable for insulating flex hoses and as stated a vapor barrier is required for piping insulation.

18. On the insulation diaper for the y-strainers and ends of mains. Do you want an "insulation cap" design that would slide over the services side of the y-strainer and the end of the mains, it would be attached to the fixed insulation via Velcro?
A/E RESPONSE: Yes
Also, the (4) ends of the mains that you're referring to. I'm assuming (2) are in the operational trench and (2) are in the trench that we are quoting. Are they not insulated now?
A/E RESPONSE: Yes, 2 strainers affiliated with the active mains and the 2 for the mains being used by this project. They are not now insulated.

END OF BID ADDENDUM 02