

ADDENDUM 2
RFQ FOR ENGINEERING CONSULTING SERVICES
PROJECT NO. 9557660
CENTRAL UTILITY PLAN EXPANSION

This addendum is a clarification of the RFQ documents for **all disciplines** dated July 21, 2023, as follows:

1. REVISE – IV. SELECTION PROCESS AND SCHEDULE to extend the RFQ schedule to the following:

1 st Ad for Services	July 21, 2023
Informational RFQ Online Meeting	1 p.m., July 26, 2023
RFQ Due	4 p.m., August 9, 2023
Review and Shortlist	Week of August 14, 2023
Interviews or supplemental written responses completed.	Week of August 21, 2023
Firm Notification	Week of August 28, 2023

2. CLARIFICATIONS:

The following clarifications are based on questions received for the UCDH CUPx Consultant RFQs for the following disciplines. Updated RFQs and supporting documents are included at in this addendum.

- Electrical & Low Voltage Engineering
- Mechanical & Plumbing Engineering
- Civil Engineering & Landscape Architecture
- Structural Engineering
- Geotechnical Engineering

1. Question: Is this a federally funded project. Are there DBE and SB requirements for this Project?

Response: This project is not federally funded and in compliance with state and federal law, federal- or state-funded contracts or grants, or UC policy, the University will continue to set goals and timetables for small (SBE), disadvantaged (DBE), women-owned (WBE), and disabled veteran (DVBE) business enterprises; maintain statistics on the utilization of such businesses; and will require certification. In addition, the University will continue to use outreach programs to ensure equality of opportunity.

2. Question: If a consultant is pursuing multiple SOQs, can they combine their SOQ?

Response: No, submit separate SOQs.

3. Question: Is Commissioning included in these MEP RFQs?

Response: No, Commissioning is not included in the scope of these RFQs. A separate RFQ for Commissioning will be published by early next year.

4. Question: The Section III Screening Criteria asks us demonstrate interest in the project.... And provide 2-3 project examples. This isn't exactly clarified where to include this information within the Statement of Qualifications section, like some of the other information is. Resumes, firm information, availability org chart, etc. are all very clear.

Response: Regarding the 2-3 relevant projects, refer to Addendum 2 added Content of Statement Qualifications Submissions for clarification of requested information.

5. Question: The RFQ also makes reference to attached forms- and I suspect that may be the standard Statement of Qualifications forms that UCDH uses for project experience examples. Those were not attached to the RFQ document. Can you clarify how you'd like us to submit our project examples? Are there forms, or should we submit project sheets for our project examples within the Statement of Qualifications section?

Response: Refer to Addendum 2, where references to attached forms has been omitted. There are no forms to fill out as part of the RFQ response process.

6. Question: Please confirm if any subconsultants related to the civil engineering RFQ scope of work need to be identified for this response (i.e., landscape architecture).

Response: Civil Engineering includes landscape architect as noted in RFQ Section II Item 8. Refer to Addendum 2, where Civil Engineering RFQ has been renamed Civil Engineering & Landscape Architecture and Section II Professional Services Requested has been revised to emphasize inclusion of landscape architecture. If you are planning to use a sub-consultant, then they need to be identified in your submittal.

7. Question: Advertisement page 1 - Next to last sentence of fourth paragraph ends with "... to provide longevity and resiliency." We interpret the sentence to mean "longevity of the central utility plant and resiliency of utility services such as electric power, hot and chilled water, etc." Is that the correct interpretation?

Response: This is a correct interpretation.

8. Question: Advertisement page 2 - The second sentence of the third paragraph states "..., a Screening Committee will review, conduct reference checks ...". The preceding generates two questions.

- 1) Will 3 total references satisfy that requirement?
- 2) Assuming that 3 total references are adequate, can they be provided for the 3 project examples of Article III.1, Screening Criteria?

Response: Refer to Addendum 2, where Content of Statement of Qualifications Submissions Item 4 states to provide project owner, current address, and telephone number as a reference for each relevant project.

9. Question: Advertisement page 2 - The second sentence of the third paragraph mentions a Screening Committee that will evaluate the submissions. Will Rudolph & Sletten's Design Manager assigned to this project be part of the screening committee?

Response: Members of Rudolph & Sletten's Design Management and Project Management staff on this project will be in attendance. Their Design Manager may not necessarily attend the interview but will be a part of the scoring committee.

10. Question: RFQ page 3 - There are three bullet points that comprise the 5th paragraph from top. Would you confirm that the first and last bullet points are not part of the scope of project number 9557660?

Response: Confirmed – only the 2nd bullet (Central Utility Plant Expansion) is part of this project (UCDH project # 9557660)

11. Question: Will UC Davis Health consider alternative ideas or design enhancements for the CUP expansion?

Response: With this being a progressive design-build project focus on Target Value Design, alternate ideas and design enhancements are encouraged but would need to be within the overall project target value budget.

12. Question: Are the reference projects and the details part of the 3-page non-resume count?

Response: No. Refer to Addendum 2, where Content of Statement of Qualifications Submissions Item 4 has been added to clarify a maximum of two (2) pages per relevant project.

13. Question: Could you confirm the required details for each project example?

Response: Refer to Addendum 2, where Content of Statement of Qualifications Submissions Item 4 has been added to clarify the minimum content for the 2-3 relevant projects.

14. Question: Many of our projects run 8-10 years plus, we are planning to submit in-progress projects as reference projects, could you confirm this is acceptable?

Response: Refer to Addendum 2, where Content of Statement of Qualifications Submissions Item 4 has been added to clarify the minimum content for the 2-3 relevant past-experience projects.

15. Question: Is lighting design expected as part of the electrical scope? I.e., site and building lighting design considerations.

Response: It is acceptable to submit in-progress projects. Refer to Addendum 2, where Content of Statement of Qualifications Submissions Item 4 has been added to clarify the minimum content for the 2-3 relevant past-experience projects.

16. Question: Is lighting design expected as part of the electrical scope? I.e., site and building lighting design considerations.

Response: Yes, lighting design is part of electrical scope. If you are planning to use a sub-consultant, then they need to be identified in your submittal.

17. Question: Item III.2 requests that we describe our proposed approach to the project and identify and address three critical constraints of the project. Please advise where in the Statement of Qualifications this shall be provided.

Response: It is up to the Consultant's discretion as to where in their RFQ response they want to address Item III.2, III.3 and III.4. Refer to Addendum 2 clarifying a (4) page limit for each of these items.

18. Question: RFQ Section III. Screening Criteria of the RFQ asks for and allocates points to the following items listed below, however under section V. the Content of Statement of Qualifications Section does not mention these sections or provide page limitations. Please confirm page limitation for each:

- 1) Statement of qualifications demonstrating interest in the project and including 2-3 project examples.
- 2) Technical Approach.
- 3) Target Value Design Approach.
- 4) Project Emphasis (LEAN Methodology).

Response: Refer to Addendum 2, where page limits have been added for each section.

19. Question: Will you be posting a sign-in/attendance list from the conference? The list is helpful for opportunities for teaming as a subconsultant. I have downloaded the pdf of the presentation.

Response: The list of attendees can be sent an email via request to Jessica.Rinn@rsconst.com.

20. Question: Will you consider extending the submission date? The Conference was held very close to the due date.

Response: Refer to Addendum 2, where the submission date has been extended to 4pm, Wednesday August 9, 2023.

21. Question: What are the performance bond expectations for the five engineering disciplines responding to this RFQ?

Response: The (5) engineering disciplines are not required to provide a performance bond.

22. Question: What are the professional liability insurance requirements for the five engineering disciplines responding to this RFQ?

Response: The limits of liability for the Professional Liability Insurance shall be no less than the following:

Each Occurrence	\$5,000,000
General Aggregate	\$5,000,000

If the insurance is written on a claims-made basis, it shall be maintained continuously for a period no less than three (3) years following termination of this Contract or Final Completion, whichever occurs later. The insurance shall have a retroactive date of placement prior to or coinciding with the date services are first provided that are governed by the terms of this Contract and shall include, without limitation coverage for professional services.

23. Question: Are the Civil, Geotechnical, MEP, and Structural Engineering consultants who participated in the various reports included as "Attachment A - Supporting Documents" allowed to respond to this RFQ?

Response: Yes, they are allowed to participate in this RFQ.

24. Question: The third bullet point lists the NPC study as being 20 pages in length. The electronic document contains only 10 pages. Are 10 pages missing? Or is 10 pages the correct count and the page count on the bullet point needs to be revised?

Response: Refer to Addendum No 2, the NPC study page counted has been updated to be 10 pages instead of 20 pages.

August 2, 2023

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
UC DAVIS HEALTH



**REQUEST FOR
STATEMENT OF QUALIFICATIONS**

FOR

**CIVIL ENGINEERING & LANDSCAPE
ARCHITECTURE SERVICES**

FOR

**PROJECT NO. 9557660
CENTRAL UTILITY PLANT EXPANSION**

**JULY 21, 2023
AUGUST 3, 2023 - REVISED**

**RUDOLPH & SLETTEN
1504 EUREKA ROAD, SUITE 200
ROSEVILLE, CA 95661
(916) 781-8001
<https://www.rsconstruction.com>**

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ATTACHMENTS:

Attachment A – Supporting Documents:

- UC Davis Health Central Utility Plant Expansion Pre-CEQA Investigation Study dated December 12, 2022 (85 pages)
- UC Davis Health Utility Master Plan Update Report dated April 29, 2022 (415 pages)
- UC Davis Health Central Plant NPC Study dated August 10, 2022 (10 pages)
- UCDH CUP Utility Upgrade and Expansion Geotechnical Engineering and Geologic Hazards Report dated January 10, 2023 (200 pages)
- UCDH CUP Generator Controls Phasing Concept dated March 16, 2023 (5 pages)
- CUP Expansion Notice of Preparation Environmental Impact Report dated May 23, 2023 (15 pages)
- Preliminary BIM Executed Plan dated July 20, 2023 (66 pages)

Attachment B – AIA Documents C441-2014 Standard Form of Agreement Between Architect and Consultant for a Design-Build Project Sample

I. BACKGROUND:

Project Description:

UC Davis Health (UCDH), located in Sacramento, has a 50-year history of providing high-quality patient care across the greater Sacramento region and the 33 counties it serves. UC Davis Health's 142-acre campus is served by central heating and cooling plant ("Central Plant") built in 1998 and is nearly at its utility capacity and requires an upgrade.

Starting in 2019, UC Davis Health undertook a comprehensive utilities master planning effort to outline the infrastructure and facilities needed to address future healthcare, education, research, and teaching needs on the Sacramento campus and in the greater Sacramento region. The Utility Master Planning Team identified a critical need for UC Davis Health to upgrade utility services and expand the infrastructure to support current and upcoming utility operations.

The Central Utility Plan (CUP) Expansion addresses the utility requirements for the new buildings at UC Davis Health's Sacramento campus. The upgrade and expansion is currently a baseline program of a +40,000 (gsf) new annex building and 9,000 (gsf) of renovations within the existing CUP, Department of Health Care Access and Information (HCAI) Level-1 utility space, diesel generators, electrical rooms and administrative support space to facilitate campus operations. This project will support the California Tower and other projects with site and building utility infrastructure upgrades. Scopes will be both HCAI and Non-HCAI.

The CUP master plan and underground distribution is divided into three (3) phases, with the Central Utility Plant Expansion included in this project scope.

- **48X Complex** - Current project that consists of limited upgrades and extending utilities from the Central Plant to serve the 48X Complex only. Project is estimated to be completed by 2025.
- **Central Utility Plant Expansion** – *This project will expand the Central Plant capacity to support the California Tower and additional future projects.*
- **Central Plant Modernization** - Future project to expand the capabilities of the Central Plant by converting the Campus to an All-Electric operating Central Plant.

The CUP Expansion Project involves upgrades to the existing CUP, construction of the new CUP Annex building and associated underground utility distribution as well as other campus upgrades and equipment testing to support the new and future projects on UC Davis Health campus. Work for CUP Expansion will occur concurrently with the construction of California Tower and 48X Complex. These projects will be constructed by a separate entity but will be supported by this project. In addition, other make-ready work for the campus will be in process on nearby sites. As such, construction activities, including but not limited to utility tie-ins access and laydown areas, will need to be carefully planned and coordinated.

The existing CUP will be seismically upgraded to meet the SB1953 program and interior layouts will be adjusted to account for its' Control Room expansion. In the CUP Hazardous Materials Yard, walls will be demolished and rebuilt to provide space for a new UCDH electrical utility yard to be fed from SMUD's east substation. Additionally, new diesel tanks, a new water well, and supporting site infrastructure will be adjusted to maintain proper access and safety.

The CUP Annex will be a +40,000 (gsf) building located between the existing CUP and the Facility Support Services Building (FSSB). The project layout and site improvements will need to be coordinated with the Parking Structure 6 (PS6) improvements located south of FSSB and will require access during construction and completion of the CUP Expansion project. The project will include demolishing a portion of FSSB and hardscape, adjusting FSSB's interior layout to accommodate the removed spaces, relocating utilities serving FSSB around the CUP Annex, and relocating PS6's entrance and exit. Remote terminal units in the California Tower will also need to be installed and commissioned with the CUP Expansion.

This project will include generators, normal and emergency power distribution, transformers, hot water boilers, CUP administration and support space, future hoist space, PBX Operators space, parking with landscaped area, and routing of new underground CUP utilities including hot water (from boilers), electrical service (SMUD, campus distribution, and building power & lighting), low voltage (PBX, CUP Controls, building systems), fire and life safety, diesel fuel, water, sewer, and fire water.

A new ductbank system (normal power, emergency power, and communications) is required from the new CUP Annex to connect to in-progress and future projects. Additionally, new hydronic piping will be installed along 45th Street and X Street to serve the campus with a portion being completed by the CUP Expansion project. These activities should minimize crossings and construction activities that would impact these utility loops.

The CUP Annex will be designed to maintain the existing CUP's reputation for uninterrupted service to the hospital campus and provide flexibility to accept future technologies as they are developed to provide longevity and resiliency. The planning and design of the CUP Expansion Project must meet the Target Value Cost for the project and the project team must follow the Target Value Design approach. The project must also hit critical milestone dates to ensure that the California Tower and 48X Complex can open fully operational on time.

Project Delivery:

The CUP Expansion project is a Progressive Design-Build delivery model in which the University has selected the Design-Builder as Rudolph & Sletten (R&S) and the Architect of Record (AOR) as Nacht & Lewis (N&L). The University, R&S and N&L will select the most qualified design consultant in accordance with this RFQ. Other design disciplines will be selected utilizing a similar RFQ process. Future design-build and design-assist subcontractors will be selected in accordance with UC procurement requirements in which certain design consultant disciplines will have an opportunity to participate with those selections. The goal is to create an integrated, high performing, LEAN design team that will deliver the best-in-class project outcome for UC Davis Health.

The CUP Expansion Project will require intensive and close collaboration between the Design-Builder, the Architect, all consultants, UCDH staff, HCAI, the State Fire Marshal, Design-Build and Design Assist subcontractors, all other subcontractors, and many other project participants. Key meetings will occur in a Big Room on a weekly basis. The schedule is yet to be determined, but the expectation is for onsite meetings with the various cluster groups and project leadership. You will be expected to attend these key meetings in person.

Project Timing:

This Project will proceed in the following phases:

- Phase 1A: Program Validation & Site Master Planning
Make Ready Work and Infrastructure Schematic Design and Design Development
- Phase 1B: HCAI CUP Annex Expansion and CUP Renovations Schematic Design, and Design Development
- Phase 2: Construction Documents
- Phase 3A: Construction – Make-Ready and Annex Substantial Completion
- Phase 3B: Construction – Completion of the Annex Building and Central Plant Renovations

Program validation began in June 2023 and design is planned to commence in September 2023 with an overall target completion date in 2029. The Milestone Schedule currently shows 26 months for the completion of Phases 1 and 2, and 48 months for Phase 3 including Commissioning. These milestones are still being finalized but are approximately:

- Program Validation and Site Master Planning Complete 10/26/2023
- Phase 1A MR Work & Infrastructure Budget Submitted to Board of Regents (BOR) 10/26/2023
- Schematic Design Complete 02/16/2024
- Phase 1B HCAI Increments Budget Submitted to BOR 04/02/2024
- Phase 1 & Design Development Complete 06/14/2024
- Phase 2 Construction Documents Started 06/03/2024
- Phase 2 Construction Documents Completed 08/20/2025
- Phase 3A Make-Ready and Annex Substantial Completion Completed 01/04/2027
- Phase 3B Annex Building and Central Plant Renovations Completed 02/28/2029

There are many intricacies, including make-ready work, HCAI increment negotiation and work in the existing CUP and California Hospital Tower in 2028 – 2029, to be finalized with the consultants and trade partners. We will be pull-planning these activities as a team using V-Planner.

Project Contractual Arrangements:

The following table describes the contractual relationship that each design discipline will be arranged under:

Design Discipline	Contracted to R&S	Contracted to AOR	Contracted to Design-Build Trade Partner
Geotechnical	X		
Civil/Landscape		X	
Structural		X	
Mechanical/Plumbing	Validation/Programming through SD		DD through CA
Electrical/Low Voltage	Validation/Programming through SD		DD through CA

II. PROFESSIONAL SERVICES REQUESTED:

1. Civil engineering services to be the project's Civil Engineer of Record.
2. Landscape architecture services to be the project's Landscape Architect of Record.
3. Assist AOR and design team to develop Owner Project Requirements and Specifications for civil and landscape systems.
4. Support validation phase by providing various civil systems to advise AOR during development of various schemes during validation that look at meeting the required program as well as the target budget.
5. Provide all civil engineering and landscape architecture services necessary to provide a coordinated civil engineering design that meets or exceeds a Basis of Design, UC Davis Health Requirements, best practice industry standards, and is approved by all applicable regulatory Agencies but meets or is less than the Project's Target Budget values.
6. Provide initial design and criteria for design-build subcontractor.
7. Contract under Architect of Record. See Attachment B for reference.
8. Provide site utility and civil design starting at 2nd Avenue and extending to 45th Street and X Street.
9. Provide hardscape, site lighting, site security, and landscape design at FSSB, existing CUP and new CUP property. Below grade utility design in this area by others. Coordinate between parties to provide a cohesive design.
10. Provide field investigation and research of as-builts to develop new design for the renovation and expansion areas.
11. Assist utilities subcontractor with determining potholing locations to locate and protect large utilities. Note, these utilities serve the existing campus and will need to remain intact and functional through the course of construction.

12. Timely design development to ensure team meets incremental budget deliverables for two BOR funding meetings.
13. Coordinate with associated subcontractor to provide complete as-builts.

Generally, Professional Services will also include, but are not limited to:

- a) Development of a Basis of Design.
- b) Program validation and updates to site master plan (as required).
- c) Document, design, analyze and calculate to support development of Schematic Design and Design Development documents as generally defined by the latest AIA document, California Codes and UC Policies.
- d) Document, design, analyze and calculate to support development of Construction Document as generally defined by the latest AIA document but phased packaging based on schedule requirements, Agency Requirements, California Codes and UC Policies.
- e) All required Agency reviews and permits.
- f) Construction Administration.
- g) Robust quality control and quality assurance during design and construction to ensure that the project meets design intent and quality levels required by UCDH.
- h) Utilize BIM tools and conform to the team's BIM Execution Plan. Contribute where necessary to the development of the BIM Execution Plan.
- i) Design Coordination with the AOR, other design consultants, Design-Builder and Design-Builder's Design-Assist Subcontractors and Design-Build Subcontractors, and Owner-provided Consultants, coordination includes elimination of redundancies and gaps between design disciplines.
- j) Incorporation of UCDH's standards and advising on suggested deviations with respect to cost, schedule, durability etc.
- k) Gain approval of the trade partners and team for all cost related design decisions.
- l) Presentation Materials required to communicate, solicit feedback, obtain approval from University Stakeholder's, UC Regents, or outside agencies.
- m) Serve as Engineer of Record for those design disciplines required to be named per HCAI requirements.
- n) Incorporate Peer Review comments or advise/justify on Peer Review comments not being incorporated.
- o) Field investigate existing conditions to incorporate into new design thereby minimizing field unknowns and providing predictability for the new work that occurs in existing conditions.
- p) Adhere to Target Value Design philosophies and methodologies.
- q) Support life cycle cost analysis.
- r) Incorporate LEAN philosophies, tools, and methodologies into design and all project phases, including but not limited to: Target Value Design, Set-Based Design, Pull-Scheduling, A3 reports, and Last Planner.
- s) Coordinate design to support Design-Builder's Logistics and Phasing plans.
- t) Provide design that supports modular construction and other time savings and quality improvement initiatives.
- u) Support developing Sustainability design, goals and features, including documentation as required with Agencies.
- v) This is a progressive design-build project with key meetings occurring on many days in the Big Room on a weekly basis. The schedule is yet to be determined, but the expectation is for onsite meetings with the various cluster groups and project leadership. You will be expected to attend these key meetings in person.

The Design-Builder anticipates utilizing an incremental design deliverable process with various authorities having jurisdiction (i.e. UCDH, UCDH Fire Marshal, HCAI). It is incumbent upon the various design consultants to meet HCAI incremental submittal requirements.

BASIS FOR SELECTION

The basis for selection will be heavily weighted on the strength of the proposer's assigned personnel, their availability, demonstrated similar past experience with the delivery method/project type, and their ability to demonstrate the required skills and attitude to contribute as a team member to make the Project successful. We recommend avoiding excessive research or ideation on design concepts specific to the project requirements. Spend your time focused on the questions below to demonstrate these capabilities and characteristics.

Consultants will be selected based on firm experience, team experience, approach, and best "fit", value-added to team as we build a strong, flexible, and LEAN team to deliver this world-class facility for UC Davis Health.

III. SCREENING CRITERIA:

1. **Statement of Qualifications:** Demonstrate interest in the project and past experience with similar size, type and complexity to the CUP Expansion project. Provide 2-3 examples. Demonstrate experience with UC Davis Health, HCAI 1 projects, and design-build or progressive design-build projects located in the Sacramento area. Provide organization chart with clear and appropriate definition of roles, including the main point of contact. Availability of staff over the course of the project. Provide brief resumes which list education, industry certifications and experience of personnel proposed. Identify experience working on progressive design-build or design-build projects particularly in collaboration with R&S, N&L, UC Davis Health, and/or HCAI. See Content of Statement of Qualifications below for details and page limit. **Points: 50 (Firm Experience:10 Points, Project Examples: 15 Points, Key Team Members: 25 Points).**
2. **Technical Approach:** Describe your proposed approach that demonstrates your firm's understanding of the information within this RFQ. Identify three critical constraints of the project and how your firm plans to provide a collaborative and productive effort to address them. Page Limit: Four (4) pages. **Points: 30**
3. **Target Value Design (TVD) Approach:** Demonstrate experience in reviewing proposed project changes in scope and how your team collaboratively analyzed design, budget and schedule factors to quickly provide stakeholders with feedback to maintain the project's target value. Page Limit: Four (4) pages. **Points: 10**
4. **Project Emphasis (LEAN Methodology):** Based on your experience, describe your team's top three recommended Lean Methods & Tools besides TVD to be utilized throughout the project, and specifically describe how each tool has helped your team deliver past successful projects. (Only projects with design or construction occurring within the past ten (10) years shall be utilized). Page Limit: Four (4) pages. **Points: 10**

Total Points: 100

IV. SELECTION PROCESS AND SCHEDULE:

The selection of a firm will be accomplished by the following process. A Screening Committee and Selection Committee will be established that will be comprised of UCDH, Nacht & Lewis, and Rudolph & Sletten. After Qualification Statements and Responses (Submittal) are received, a Screening Committee will review, conduct reference checks and recommend a short list of firms to interview. A Selection Committee will conduct the interviews. The target dates are listed below:

1 st Ad for Services	July 21, 2023
Informational RFQ Online Meeting	1 p.m., July 26, 2023
RFQ Due	4 p.m., August 9, 2023
Review and Shortlist	Week of August 14, 2023
Interviews or supplemental written responses completed	Week of August 21, 2023
Firm Notification	Week of August 28, 2023

After review of the Submittal, R&S and Nacht & Lewis may request clarifying information. The Submittal must be complete and address all the stated requirements. Responses such as “N/A” are not acceptable. If not applicable, state “Not Applicable” and explain why. If none, state “NONE”.

Consultants selected for shortlist interviews or supplemental written technical Q&A will be notified in writing, and will specify the confirmed date, time, and location of their interviews, outline the interview process or process for written technical Q&A. R&S reserves the right to re-open the qualification process if they determine that there are insufficient qualified consultants to support the RFQ process.

V. SUBMITTAL REQUIREMENTS:

Statements of Qualifications and Responses to Screening Criteria shall be as brief and concise as possible. Please indicate lead in-house person(s). Provide attachments as appropriate to respond directly to the screening criteria. Submittal should be specifically tailored to this project. Boiler plate or generic pages are not desired. **All material shall be in size 8 1/2" x 11", page limits will be based on single sided.**

No hard copies will be accepted. Statements of qualifications and Responses to Screening Criteria must be submitted **electronically** (in pdf format) to Box no later than **4 p.m. Wednesday, August 9, 2023**, to the link provided below:

Interested firms must contact Jessica Rinn at jessica.rinn@rsconst.com before 4 p.m., Wednesday August 9, 2023, to request an upload link.

Proposers shall assume full responsibility for timely electronic submission of the Statement of Qualifications and Responses to Screening Criteria. ORAL, TELEPHONIC, FACSIMILE, TELEGRAPHIC, OR EMAILED SUBMITTALS ARE INVALID AND WILL NOT BE ACCEPTED. NO SUBMITTALS WILL BE ACCEPTED AFTER THE DUE DATE AND TIME STIPULATED ABOVE. SUPPLEMENTAL DATA OR ADDITIONAL PROJECT INFORMATION WILL NOT BE ACCEPTED AFTER THE DUE DATE AND TIME UNLESS SPECIFICALLY REQUESTED BY RUDOLPH & SLETTEN.

The UC Davis Health, R&S and N&L are not responsible for any costs that Proposers may incur to complete the qualification process. **SUBMITTALS FAILING TO CLEARLY PRESENT ALL OF THE REQUESTED INFORMATION, OR THAT ARE NOT IN THE FORMAT REQUESTED MAY BE CONSIDERED NON-RESPONSIVE AND REJECTED ON THAT BASIS.** Each copy of the submittal must be complete and fully responsive to the requirements of this RFQ.

Questions should be directed via email with the Subject Line (UCDH CUPx RFQ) to:

Jessica Rinn
Project Manager
Rudolph & Sletten
jessica.rinn@rsconst.com

Content Of Statement of Qualifications Submissions:

1. Cover Letter (Limit-1 page)

Provide a cover letter that summarizes and demonstrates your understanding of the CUP Expansion project and the focus on the patient experience, as well as the ability of your proposed project team to deliver a design which supports UC Davis Health project goals. The cover letter must be signed by the Project Principal(s) authorized to make contractual commitments for the firm proposing and holding either a current California license by the applicable California Licensing Board or professional engineering license by California Department of Consumer Affairs Board for Professional Engineers, Land Surveyors, and Geologists.

2. Proposed Firm (Limit- 1 page)

Each Firm, Joint Venture and/or Partner must provide the following information:

- a) Name of firm, address and number of years in the business (Include previous names, if changed within the past five (5) years.)
- b) Name, title, telephone number and e-mail address of key licensed Principal(s) to contact.
- c) Location of the main office and that of all other offices. Identify the office that will support the design services being performed at the UC Davis Health Big Room on/near the Sacramento Campus.
- d) Work volume of the firm and, separately, for the project office supporting the design services performed at the UC Davis Health Big Room. Provide the number of current projects and the total annual volume of work (construction cost and fee) for HCAI 1 and non-healthcare work.
- e) Firm Staff: For the firm and the project office supporting the design services performed at the UC Davis Health Big Room, provide number of full-time staff. Identify number of staff with HCAI 1 experience.

3. Project Team (Limit 3 Pages for Non-Resume Material) and Resume Page Limit is Max of 2 Pages single sided, 8.5"x11" for each resume, limit resumes to key staff members/positions).

Each Firm must provide the following proposed Project Team information:

- a) List all key staff of the Proposer's Team:
Provide an organization chart showing proposed roles and responsibilities. Firm must commit key staff for the duration of the project, with all work to be performed at the UC Davis Health Big Room and with key staff located at the UC Davis Health Big Room during all normal work hours (Monday through Friday). Relevant and required experience must have been performed by those key staff being proposed for the CUP Expansion.

Proposers are advised that, after the selection, no changes in the composition of the project team personnel or their roles and responsibilities can be made without the written approval of UCDH and R&S.

- b) Resumes of Key Staff:
Provide a resume of each of the key staff members for the proposed project team and identified in the organization chart. The resumes of each team member should address their respective experience with the following:

1. Full name, position in the firm, years with the firm and current location (if a multi-office firm). If less than five years with the firm, provide the name of previous firm.
2. Project role and responsibilities.
3. Location where staff member works or principal office.
4. Education - list all degrees, including institution and year received; CA license information.
5. Relevant project experience working on similar scope, size and complexity healthcare buildings or hospitals in California, and any other relevant project experiences. Include project name, owner and general contractor, project role, phases of involvement (programming, design, AOR, etc.), years involved, specific project description, size (in GSF and construction cost), project delivery method and current status. If the project listed is performed with previous employer, please list the firm's name.
6. Identify if individual worked on the 3 submitted comparable projects.
7. Relevant project experience with Design-Build delivery method and fast track design packages.
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- b) At a minimum, include the following information about each relevant project:
 - a. Project name
 - b. Project description
 - c. Project size (square feet)
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 - f. Project delivery approach
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7. Project Emphasis (LEAN Methodology) (Page Limit is (4) 8.5"x11" pages)

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End.



**REQUEST FOR
STATEMENT OF QUALIFICATIONS

FOR

GEOTECHNICAL ENGINEERING SERVICES

FOR

PROJECT NO. 9557660
CENTRAL UTILITY PLANT EXPANSION**

**JULY 21, 2023
AUGUST 3, 2023 - REVISED**

**RUDOLPH & SLETTEN
1504 EUREKA ROAD, SUITE 200
ROSEVILLE, CA 95661
(916) 781-8001
<https://www.rsconstruction.com>**

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I. BACKGROUND:

Project Description:

UC Davis Health (UCDH), located in Sacramento, has a 50-year history of providing high-quality patient care across the greater Sacramento region and the 33 counties it serves. UC Davis Health's 142-acre campus is served by central heating and cooling plant ("Central Plant") built in 1998 and is nearly at its utility capacity and requires an upgrade.

Starting in 2019, UC Davis Health undertook a comprehensive utilities master planning effort to outline the infrastructure and facilities needed to address future healthcare, education, research, and teaching needs on the Sacramento campus and in the greater Sacramento region. The Utility Master Planning Team identified a critical need for UC Davis Health to upgrade utility services and expand the infrastructure to support current and upcoming utility operations.

The Central Utility Plan (CUP) Expansion addresses the utility requirements for the new buildings at UC Davis Health's Sacramento campus. The upgrade and expansion is currently a baseline program of a +40,000 (gsf) new annex building and 9,000 (gsf) of renovations within the existing CUP, Department of Health Care Access and Information (HCAI) Level-1 utility space, diesel generators, electrical rooms and administrative support space to facilitate campus operations. This project will support the California Tower and other projects with site and building utility infrastructure upgrades. Scopes will be both HCAI and Non-HCAI.

The CUP master plan and underground distribution is divided into three (3) phases, with the Central Utility Plant Expansion included in this project scope.

- **48X Complex** - Current project that consists of limited upgrades and extending utilities from the Central Plant to serve the 48X Complex only. Project is estimated to be completed by 2025.
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The CUP Expansion Project involves upgrades to the existing CUP, construction of the new CUP Annex building and associated underground utility distribution as well as other campus upgrades and equipment testing to support the new and future projects on UC Davis Health campus. Work for CUP Expansion will occur concurrently with the construction of California Tower and 48X Complex. These projects will be constructed by a separate entity but will be supported by this project. In addition, other make-ready work for the campus will be in process on nearby sites. As such, construction activities, including but not limited to utility tie-ins access and laydown areas, will need to be carefully planned and coordinated.

The existing CUP will be seismically upgraded to meet the SB1953 program and interior layouts will be adjusted to account for its' Control Room expansion. In the CUP Hazardous Materials Yard, walls will be demolished and rebuilt to provide space for a new UCDH electrical utility yard to be fed from SMUD's east substation. Additionally, new diesel tanks, a new water well, and supporting site infrastructure will be adjusted to maintain proper access and safety.

The CUP Annex will be a +40,000 (gsf) building located between the existing CUP and the Facility Support Services Building (FSSB). The project layout and site improvements will need to be coordinated with the Parking Structure 6 (PS6) improvements located south of FSSB and will require access during construction and completion of the CUP Expansion project. The project will include demolishing a portion of FSSB and hardscape, adjusting FSSB's interior layout to accommodate the removed spaces, relocating utilities serving FSSB around the CUP Annex, and relocating PS6's entrance and exit. Remote terminal units in the California Tower will also need to be installed and commissioned with the CUP Expansion.

This project will include generators, normal and emergency power distribution, transformers, hot water boilers, CUP administration and support space, future hoist space, PBX Operators space, parking with landscaped area, and routing of new underground CUP utilities including hot water (from boilers), electrical service (SMUD, campus distribution, and building power & lighting), low voltage (PBX, CUP Controls, building systems), fire and life safety, diesel fuel, water, sewer, and fire water.

A new ductbank system (normal power, emergency power, and communications) is required from the new CUP Annex to connect to in-progress and future projects. Additionally, new hydronic piping will be installed along 45th Street and X Street to serve the campus with a portion being completed by the CUP Expansion project. These activities should minimize crossings and construction activities that would impact these utility loops.

The CUP Annex will be designed to maintain the existing CUP's reputation for uninterrupted service to the hospital campus and provide flexibility to accept future technologies as they are developed to provide longevity and resiliency. The planning and design of the CUP Expansion Project must meet the Target Value Cost for the project and the project team must follow the Target Value Design approach. The project must also hit critical milestone dates to ensure that the California Tower and 48X Complex can open fully operational on time.

Project Delivery:

The CUP Expansion project is a Progressive Design-Build delivery model in which the University has selected the Design-Builder as Rudolph & Sletten (R&S) and the Architect of Record (AOR) as Nacht & Lewis (N&L). The University, R&S and N&L will select the most qualified design consultant in accordance with this RFQ. Other design disciplines will be selected utilizing a similar RFQ process. Future design-build and design-assist subcontractors will be selected in accordance with UC procurement requirements in which certain design consultant disciplines will have an opportunity to participate with those selections. The goal is to create an integrated, high performing, LEAN design team that will deliver the best-in-class project outcome for UC Davis Health.

The CUP Expansion Project will require intensive and close collaboration between the Design-Builder, the Architect, all consultants, UCDH staff, HCAI, the State Fire Marshal, Design-Build and Design Assist subcontractors, all other subcontractors, and many other project participants. Key meetings will occur in a Big Room on a weekly basis. The schedule is yet to be determined, but the expectation is for onsite meetings with the various cluster groups and project leadership. You will be expected to attend these key meetings in person.

Project Timing:

This Project will proceed in the following phases:

- Phase 1A: Program Validation & Site Master Planning
Make Ready Work and Infrastructure Schematic Design and Design Development
- Phase 1B: HCAI CUP Annex Expansion and CUP Renovations Schematic Design, and Design Development
- Phase 2: Construction Documents
- Phase 3A: Construction – Make-Ready and Annex Substantial Completion
- Phase 3B: Construction – Completion of the Annex Building and Central Plant Renovations

Program validation began in June 2023 and design is planned to commence in September 2023 with an overall target completion date in 2029. The Milestone Schedule currently shows 26 months for the completion of Phases 1 and 2, and 48 months for Phase 3 including Commissioning. These milestones are still being finalized but are approximately:

- Program Validation and Site Master Planning Complete 10/26/2023
- Phase 1A MR Work & Infrastructure Budget Submitted to Board of Regents (BOR) 10/26/2023
- Schematic Design Complete 02/16/2024
- Phase 1B HCAI Increments Budget Submitted to BOR 04/02/2024
- Phase 1 & Design Development Complete 06/14/2024
- Phase 2 Construction Documents Started 06/03/2024
- Phase 2 Construction Documents Completed 08/20/2025
- Phase 3A Make-Ready and Annex Substantial Completion Completed 01/04/2027
- Phase 3B Annex Building and Central Plant Renovations Completed 02/28/2029

There are many intricacies, including make-ready work, HCAI increment negotiation and work in the existing CUP and California Hospital Tower in 2028 – 2029, to be finalized with the consultants and trade partners. We will be pull-planning these activities as a team using V-Planner.

Project Contractual Arrangements:

The following table describes the contractual relationship that each design discipline will be arranged under:

Design Discipline	Contracted to R&S	Contracted to AOR	Contracted to Design-Build Trade Partner
Geotechnical	X		
Civil/Landscape		X	
Structural		X	
Mechanical/Plumbing	Validation/Programming through SD		DD through CA
Electrical/Low Voltage	Validation/Programming through SD		DD through CA

II. PROFESSIONAL SERVICES REQUESTED:

1. Geotechnical engineering services to be the project’s Geotechnical Engineer of Record.
2. Assist AOR and design team to develop Owner Project Requirements and Specifications for civil systems.
3. Support validation phase by providing various civil systems to advise AOR during development of various schemes during validation that look at meeting the required program as well as the target budget.
4. Provide all geotechnical engineering services necessary to provide a coordinated geotechnical engineering design that meets or exceeds Basis of Design, UC Davis Health Requirements, best practice industry standards, and is approved by all applicable regulatory Agencies but meets or is less than the Project’s Target Budget values.
5. Contract under Design-Builder (R&S) from end of Program Validation through Schematic Design via DBIA 540 and DBIA Addendum. See Attachment B for reference.
6. Provide initial design and criteria for design-build subcontractor.
7. Review UCDH Phase 1 Environmental Site Assessment (ESA) and determine if you will use these findings or require your firm to complete additional ESA testing.
8. Perform geotechnical investigation and report to be submitted to CA Geology Survey (CGS).

9. Provide field investigation and research of as-builts to develop new design for project.
10. Timely design development to ensure team meets incremental budget deliverables for two Board of Regents funding meetings.
11. Coordinate with associated subcontractor to provide complete as-builts.
12. There is a potential for contaminated spoils, generator and underground storage tanks on the project as noted in the attached CERS report. Provide remediation guidance as needed.
13. Include any geotechnical engineering observation and testing services during construction.

Generally, Professional Services will also include, but are not limited to:

- a) Development of a Basis of Design.
- b) Program validation and updates to site master plan (as required).
- c) Document, design, analyze and calculate to support development of Schematic Design and Design Development documents as generally defined by the latest AIA document, California Codes and UC Policies.
- d) Document, design, analyze and calculate to support development of Construction Document as generally defined by the latest AIA document but phased packaging based on schedule requirements, Agency Requirements, California Codes and UC Policies.
- e) All required Agency reviews and permits.
- f) Construction Administration.
- g) Robust quality control and quality assurance during design and construction to ensure that the project meets design intent and quality levels required by UCDH.
- h) Utilize BIM tools and conform to the team's BIM Execution Plan. Contribute where necessary to the development of the BIM Execution Plan.
- i) Design Coordination with the AOR, other design consultants, Design-Builder and Design-Builder's Design-Assist Subcontractors and Design-Build Subcontractors, and Owner-provided Consultants, coordination includes elimination of redundancies and gaps between design disciplines.
- j) Incorporation of UCDH's standards and advising on suggested deviations with respect to cost, schedule, durability etc.
- k) Gain approval of the trade partners and team for all cost related design decisions.
- l) Presentation Materials required to communicate, solicit feedback, obtain approval from University Stakeholder's, UC Regents, or outside agencies.
- m) Serve as Engineer of Record for those design disciplines required to be named per HCAI requirements.
- n) Incorporate Peer Review comments or advise/justify on Peer Review comments not being incorporated.
- o) Field investigate existing conditions to incorporate into new design thereby minimizing field unknowns and providing predictability for the new work that occurs in existing conditions.
- p) Adhere to Target Value Design philosophies and methodologies.
- q) Support life cycle cost analysis.
- r) Incorporate LEAN philosophies, tools, and methodologies into design and all project phases, including but not limited to: Target Value Design, Set-Based Design, Pull-Scheduling, A3 reports, and Last Planner.
- s) Coordinate design to support Design-Builder's Logistics and Phasing plans.
- t) Provide design that supports modular construction and other time savings and quality improvement initiatives.
- u) Support developing Sustainability design, goals and features, including documentation as required with Agencies.
- v) This is a progressive design-build project with key meetings occurring on many days in the Big Room on a weekly basis. The schedule is yet to be determined, but the expectation is for onsite meetings with the various cluster groups and project leadership. You will be expected to attend these key meetings in person.

The Design-Builder anticipates utilizing an incremental design deliverable process with various authorities having jurisdiction (i.e. UCDH, UCDH Fire Marshal, HCAI). It is incumbent upon the various design consultants to meet HCAI incremental submittal requirements.

BASIS FOR SELECTION

The basis for selection will be heavily weighted on the strength of the proposer’s assigned personnel, their availability, demonstrated similar past experience with the delivery method/project type, and their ability to demonstrate the required skills and attitude to contribute as a team member to make the Project successful. We recommend avoiding excessive research or ideation on design concepts specific to the project requirements. Spend your time focused on the questions below to demonstrate these capabilities and characteristics.

Consultants will be selected based on firm experience, team experience, approach, and best “fit”, value-added to team as we build a strong, flexible, and LEAN team to deliver this world-class facility for UC Davis Health.

III. SCREENING CRITERIA:

1. **Statement of Qualifications:** Demonstrate interest in the project and past experience with similar size, type and complexity to the CUP Expansion project. Provide 2-3 examples. Demonstrate experience with UC Davis Health, HCAI 1 projects, and design-build or progressive design-build projects located in the Sacramento area. Provide organization chart with clear and appropriate definition of roles, including the main point of contact. Availability of staff over the course of the project. Provide brief resumes which list education, industry certifications and experience of personnel proposed. Identify experience working on progressive design-build or design-build projects particularly in collaboration with R&S, N&L, UC Davis Health, and/or HCAI. See Content of Statement of Qualifications below for details and page limit. **Points: 50 (Firm Experience:10 Points, Project Examples: 15 Points, Key Team Members: 25 Points).**
2. **Technical Approach:** Describe your proposed approach that demonstrates your firm’s understanding of the information within this RFQ. Identify three critical constraints of the project and how your firm plans to provide a collaborative and productive effort to address them. Page Limit: Four (4) pages. **Points: 30**
3. **Target Value Design (TVD) Approach:** Demonstrate experience in reviewing proposed project changes in scope and how your team collaboratively analyzed design, budget and schedule factors to quickly provide stakeholders with feedback to maintain the project’s target value. Page Limit: Four (4) pages. **Points: 10**
4. **Project Emphasis (LEAN Methodology):** Based on your experience, describe your team’s top three recommended Lean Methods & Tools besides TVD to be utilized throughout the project, and specifically describe how each tool has helped your team deliver past successful projects. (Only projects with design or construction occurring within the past ten (10) years shall be utilized). Page Limit: Four (4) pages. **Points: 10**

Total Points: 100

IV. SELECTION PROCESS AND SCHEDULE:

The selection of a firm will be accomplished by the following process. A Screening Committee and Selection Committee will be established that will be comprised of UCDH, Nacht & Lewis, and Rudolph & Sletten. After Qualification Statements and Responses (Submittal) are received, a Screening Committee will review, conduct reference checks and recommend a short list of firms to interview. A Selection Committee will conduct the interviews. The target dates are listed below:

1 st Ad for Services	July 21, 2023
Informational RFQ Online Meeting	1 p.m., July 26, 2023
RFQ Due	4 p.m., August 9, 2023
Review and Shortlist	Week of August 14, 2023
Interviews or supplemental written responses completed	Week of August 21, 2023
Firm Notification	Week of August 28, 2023

After review of the Submittal, R&S and Nacht & Lewis may request clarifying information. The Submittal must be complete and address all the stated requirements. Responses such as "N/A" are not acceptable. If not applicable, state "Not Applicable" and explain why. If none, state "NONE".

Consultants selected for shortlist interviews or supplemental written technical Q&A will be notified in writing, and will specify the confirmed date, time, and location of their interviews, outline the interview process or process for written technical Q&A. R&S reserves the right to re-open the qualification process if they determine that there are insufficient qualified consultants to support the RFQ process.

V. SUBMITTAL REQUIREMENTS:

Statements of Qualifications and Responses to Screening Criteria shall be as brief and concise as possible. Please indicate lead in-house person(s). Provide attachments as appropriate to respond directly to the screening criteria. Submittal should be specifically tailored to this project. Boiler plate or generic pages are not desired. **All material shall be in size 8 1/2" x 11", page limits will be based on single sided.**

No hard copies will be accepted. Statements of qualifications and Responses to Screening Criteria must be submitted **electronically** (in pdf format) to Box no later than **4 p.m. Wednesday, August 9, 2023**, to the link provided below:

Interested firms must contact Jessica Rinn at jessica.rinn@rsconst.com before 4 p.m., Wednesday August 9, 2023, to request an upload link.

Proposers shall assume full responsibility for timely electronic submission of the Statement of Qualifications and Responses to Screening Criteria. ORAL, TELEPHONIC, FACSIMILE, TELEGRAPHIC, OR EMAILED SUBMITTALS ARE INVALID AND WILL NOT BE ACCEPTED. NO SUBMITTALS WILL BE ACCEPTED AFTER THE DUE DATE AND TIME STIPULATED ABOVE. SUPPLEMENTAL DATA OR ADDITIONAL PROJECT INFORMATION WILL NOT BE ACCEPTED AFTER THE DUE DATE AND TIME UNLESS SPECIFICALLY REQUESTED BY RUDOLPH & SLETTEN.

The UC Davis Health, R&S and N&L are not responsible for any costs that Proposers may incur to complete the qualification process. **SUBMITTALS FAILING TO CLEARLY PRESENT ALL OF THE REQUESTED INFORMATION, OR THAT ARE NOT IN THE FORMAT REQUESTED MAY BE CONSIDERED NON-RESPONSIVE AND REJECTED ON THAT BASIS.** Each copy of the submittal must be complete and fully responsive to the requirements of this RFQ.

Questions should be directed via email with the Subject Line (UCDH CUPx RFQ) to:

Jessica Rinn
Project Manager
Rudolph & Sletten
jessica.rinn@rsconst.com

Content Of Statement of Qualifications Submissions:

1. Cover Letter (Limit-1 page)

Provide a cover letter that summarizes and demonstrates your understanding of the CUP Expansion project and the focus on the patient experience, as well as the ability of your proposed project team to deliver a design which supports UC Davis Health project goals. The cover letter must be signed by the Project Principal(s) authorized to make contractual commitments for the firm proposing and holding either a current California license by the applicable California Licensing Board or professional engineering license by California Department of Consumer Affairs Board for Professional Engineers, Land Surveyors, and Geologists.

2. Proposed Firm (Limit- 1 page)

Each Firm, Joint Venture and/or Partner must provide the following information:

- a) Name of firm, address and number of years in the business (Include previous names, if changed within the past five (5) years.)
- b) Name, title, telephone number and e-mail address of key licensed Principal(s) to contact.
- c) Location of the main office and that of all other offices. Identify the office that will support the design services being performed at the UC Davis Health Big Room on/near the Sacramento Campus.
- d) Work volume of the firm and, separately, for the project office supporting the design services performed at the UC Davis Health Big Room. Provide the number of current projects and the total annual volume of work (construction cost and fee) for HCAI 1 and non-healthcare work.
- e) Firm Staff: For the firm and the project office supporting the design services performed at the UC Davis Health Big Room, provide number of full-time staff. Identify number of staff with HCAI 1 experience.

3. Project Team (Limit 3 Pages for Non-Resume Material) and Resume Page Limit is Max of 2 Pages single sided, 8.5"x11" for each resume, limit resumes to key staff members/positions).

Each Firm must provide the following proposed Project Team information:

- a) List all key staff of the Proposer's Team:
Provide an organization chart showing proposed roles and responsibilities. Firm must commit key staff for the duration of the project, with all work to be performed at the UC Davis Health Big Room and with key staff located at the UC Davis Health Big Room during all normal work hours (Monday through Friday). Relevant and required experience must have been performed by those key staff being proposed for the CUP Expansion.

Proposers are advised that, after the selection, no changes in the composition of the project team personnel or their roles and responsibilities can be made without the written approval of UCDH and R&S.

- b) Resumes of Key Staff:
Provide a resume of each of the key staff members for the proposed project team and identified in the organization chart. The resumes of each team member should address their respective experience with the following:

1. Full name, position in the firm, years with the firm and current location (if a multi-office firm). If less than five years with the firm, provide the name of previous firm.

2. Project role and responsibilities.
3. Location where staff member works or principal office.
4. Education - list all degrees, including institution and year received; CA license information.
5. Relevant project experience working on similar scope, size and complexity healthcare buildings or hospitals in California, and any other relevant project experiences. Include project name, owner and general contractor, project role, phases of involvement (programming, design, AOR, etc.), years involved, specific project description, size (in GSF and construction cost), project delivery method and current status. If the project listed is performed with previous employer, please list the firm's name.
6. Identify if individual worked on the 3 submitted comparable projects.
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**REQUEST FOR
STATEMENT OF QUALIFICATIONS**

FOR

**ELECTRICAL & LOW VOLTAGE
ENGINEERING SERVICES**

FOR

**PROJECT NO. 9557660
CENTRAL UTILITY PLANT EXPANSION**

**JULY 21, 2023
AUGUST 3, 2023 - REVISED**

**RUDOLPH & SLETTEN
1504 EUREKA ROAD, SUITE 200
ROSEVILLE, CA 95661
(916) 781-8001
<https://www.rsconstruction.com>**

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This project will include generators, normal and emergency power distribution, transformers, hot water boilers, CUP administration and support space, future hoist space, PBX Operators space, parking with landscaped area, and routing of new underground CUP utilities including hot water (from boilers), electrical service (SMUD, campus distribution, and building power & lighting), low voltage (PBX, CUP Controls, building systems), fire and life safety, diesel fuel, water, sewer, and fire water.

A new ductbank system (normal power, emergency power, and communications) is required from the new CUP Annex to connect to in-progress and future projects. Additionally, new hydronic piping will be installed along 45th Street and X Street to serve the campus with a portion being completed by the CUP Expansion project. These activities should minimize crossings and construction activities that would impact these utility loops.

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This Project will proceed in the following phases:

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Make Ready Work and Infrastructure Schematic Design and Design Development
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Design Discipline	Contracted to R&S	Contracted to AOR	Contracted to Design-Build Trade Partner
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Civil/Landscape		X	
Structural		X	
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Electrical/Low Voltage	Validation/Programming through SD		DD through CA

II. PROFESSIONAL SERVICES REQUESTED:

1. Electrical and Low Voltage engineering services to be the project’s Electrical and Low Voltage Engineer of Record.
2. Assist AOR and design team to develop Owner Project Requirements and Specifications for electrical and low voltage systems.
3. Support validation phase by providing various electrical and low voltage systems to advise AOR during development of various schemes during validation that look at meeting the required program as well as the target budget.
4. Provide all electrical and low voltage engineering services necessary to provide a coordinated electrical and low voltage engineering design that meets or exceeds Basis of Design, UC Davis Health Requirements, best practice industry standards, and is approved by all applicable regulatory Agencies but meets or is less than the Project’s Target Budget values.
5. Assist AOR with maintaining an energy model throughout design. Utilize energy model early to advise AOR on schemes during validation.
6. Contract under Design-Builder (R&S) from end of Program Validation through Schematic Design via DBIA 540 and DBIA Addendum. See Attachment B for reference.
7. Provide initial design and criteria for design-build subcontractor.
8. Contract under electrical and low voltage design-build trade partner from Design Development Documents through Construction Administration Services.

9. Provide site electrical and low voltage design within the existing CUP and CUP Annex property and to street. Site electrical and low voltage design beyond the street will be by Civil Engineer.
10. Provide field investigation and research of as-builts to develop new design for the renovation and expansion areas.
11. Timely design development to ensure team meets incremental budget deliverables for two Board of Regents funding meetings.
12. Coordinate with associated design-build trade partner to provide complete as-builts.
13. Collaborate early on the commissioning scope and timing of the mechanical and plumbing systems.
14. Coordinate and lead the SMUD's Savings by Design program.
15. Coordinate with SMUD as required for their new feed from their east substation to the CUP.

Generally, Professional Services will also include, but are not limited to:

- a) Development of a Basis of Design.
- b) Program validation and updates to site master plan (as required).
- c) Document, design, analyze and calculate to support development of Schematic Design and Design Development documents as generally defined by the latest AIA document, California Codes and UC Policies.
- d) Document, design, analyze and calculate to support development of Construction Document as generally defined by the latest AIA document but phased packaging based on schedule requirements, Agency Requirements, California Codes and UC Policies.
- e) All required Agency reviews and permits.
- f) Construction Administration.
- g) Robust quality control and quality assurance during design and construction to ensure that the project meets design intent and quality levels required by UCDH.
- h) Utilize BIM tools and conform to the team's BIM Execution Plan. Contribute where necessary to the development of the BIM Execution Plan.
- i) Design Coordination with the AOR, other design consultants, Design-Builder and Design-Builder's Design-Assist Subcontractors and Design-Build Subcontractors, and Owner-provided Consultants, coordination includes elimination of redundancies and gaps between design disciplines.
- j) Incorporation of UCDH's standards and advising on suggested deviations with respect to cost, schedule, durability etc.
- k) Gain approval of the trade partners and team for all cost related design decisions.
- l) Presentation Materials required to communicate, solicit feedback, obtain approval from University Stakeholder's, UC Regents, or outside agencies.
- m) Serve as Engineer of Record for those design disciplines required to be named per HCAI requirements.
- n) Incorporate Peer Review comments or advise/justify on Peer Review comments not being incorporated.
- o) Field investigate existing conditions to incorporate into new design thereby minimizing field unknowns and providing predictability for the new work that occurs in existing conditions.
- p) Adhere to Target Value Design philosophies and methodologies.
- q) Support life cycle cost analysis.
- r) Incorporate LEAN philosophies, tools, and methodologies into design and all project phases, including but not limited to: Target Value Design, Set-Based Design, Pull-Scheduling, A3 reports, and Last Planner.
- s) Coordinate design to support Design-Builder's Logistics and Phasing plans.
- t) Provide design that supports modular construction and other time savings and quality improvement initiatives.
- u) Support developing Sustainability design, goals and features, including documentation as required with Agencies.

- v) This is a progressive design-build project with key meetings occurring on many days in the Big Room on a weekly basis. The schedule is yet to be determined, but the expectation is for onsite meetings with the various cluster groups and project leadership. You will be expected to attend these key meetings in person.

The Design-Builder anticipates utilizing an incremental design deliverable process with various authorities having jurisdiction (i.e., UCDH, UCDH Fire Marshal, HCAI). It is incumbent upon the various design consultants to meet HCAI incremental submittal requirements.

BASIS FOR SELECTION

The basis for selection will be heavily weighted on the strength of the proposer's assigned personnel, their availability, demonstrated similar past experience with the delivery method/project type, and their ability to demonstrate the required skills and attitude to contribute as a team member to make the Project successful. We recommend avoiding excessive research or ideation on design concepts specific to the project requirements. Spend your time focused on the questions below to demonstrate these capabilities and characteristics.

Consultants will be selected based on firm experience, team experience, approach, and best "fit", value-added to team as we build a strong, flexible, and LEAN team to deliver this world-class facility for UC Davis Health.

III. SCREENING CRITERIA:

1. **Statement of Qualifications:** Demonstrate interest in the project and past experience with similar size, type and complexity to the CUP Expansion project. Provide 2-3 examples. Demonstrate experience with UC Davis Health, HCAI 1 projects, and design-build or progressive design-build projects located in the Sacramento area. Provide organization chart with clear and appropriate definition of roles, including the main point of contact. Availability of staff over the course of the project. Provide brief resumes which list education, industry certifications and experience of personnel proposed. Identify experience working on progressive design-build or design-build projects particularly in collaboration with R&S, N&L, UC Davis Health, and/or HCAI. See Content of Statement of Qualifications below for details and page limit. **Points: 50 (Firm Experience:10 Points, Project Examples: 15 Points, Key Team Members: 25 Points).**
2. **Technical Approach:** Describe your proposed approach that demonstrates your firm's understanding of the information within this RFQ. Identify three critical constraints of the project and how your firm plans to provide a collaborative and productive effort to address them. Page Limit: Four (4) pages. **Points: 30**
3. **Target Value Design (TVD) Approach:** Demonstrate experience in reviewing proposed project changes in scope and how your team collaboratively analyzed design, budget and schedule factors to quickly provide stakeholders with feedback to maintain the project's target value. Page Limit: Four (4) pages. **Points: 10**
4. **Project Emphasis (LEAN Methodology):** Based on your experience, describe your team's top three recommended Lean Methods & Tools besides TVD to be utilized throughout the project, and specifically describe how each tool has helped your team deliver past successful projects. (Only projects with design or construction occurring within the past ten (10) years shall be utilized). Page Limit: Four (4) pages. **Points: 10**

Total Points: 100

IV. SELECTION PROCESS AND SCHEDULE:

The selection of a firm will be accomplished by the following process. A Screening Committee and Selection Committee will be established that will be comprised of UCDH, Nacht & Lewis, and Rudolph & Sletten. After Qualification Statements and Responses (Submittal) are received, a Screening Committee will review, conduct reference checks and recommend a short list of firms to interview. A Selection Committee will conduct the interviews. The target dates are listed below:

1 st Ad for Services	July 21, 2023
Informational RFQ Online Meeting	1 p.m., July 26, 2023
RFQ Due	4 p.m., August 9, 2023
Review and Shortlist	Week of August 14, 2023
Interviews or supplemental written responses completed	Week of August 21, 2023
Firm Notification	Week of August 28, 2023

After review of the Submittal, R&S and Nacht & Lewis may request clarifying information. The Submittal must be complete and address all the stated requirements. Responses such as "N/A" are not acceptable. If not applicable, state "Not Applicable" and explain why. If none, state "NONE".

Consultants selected for shortlist interviews or supplemental written technical Q&A will be notified in writing, and will specify the confirmed date, time, and location of their interviews, outline the interview process or process for written technical Q&A. R&S reserves the right to re-open the qualification process if they determine that there are insufficient qualified consultants to support the RFQ process.

V. SUBMITTAL REQUIREMENTS:

Statements of Qualifications and Responses to Screening Criteria shall be as brief and concise as possible. Please indicate lead in-house person(s). Provide attachments as appropriate to respond directly to the screening criteria. Submittal should be specifically tailored to this project. Boiler plate or generic pages are not desired. **All material shall be in size 8 1/2" x 11", page limits will be based on single sided.**

No hard copies will be accepted. Statements of qualifications and Responses to Screening Criteria must be submitted **electronically** (in pdf format) to Box no later than **4 p.m., Wednesday, August 9, 2023**, to the link provided below:

Interested firms must contact Jessica Rinn at jessica.rinn@rsconst.com before 4 p.m., Wednesday August 9, 2023, to request an upload link.

Proposers shall assume full responsibility for timely electronic submission of the Statement of Qualifications and Responses to Screening Criteria. ORAL, TELEPHONIC, FACSIMILE, TELEGRAPHIC, OR EMAILED SUBMITTALS ARE INVALID AND WILL NOT BE ACCEPTED. NO SUBMITTALS WILL BE ACCEPTED AFTER THE DUE DATE AND TIME STIPULATED ABOVE. SUPPLEMENTAL DATA OR ADDITIONAL PROJECT INFORMATION WILL NOT BE ACCEPTED AFTER THE DUE DATE AND TIME UNLESS SPECIFICALLY REQUESTED BY RUDOLPH & SLETTEN.

The UC Davis Health, R&S and N&L are not responsible for any costs that Proposers may incur to complete the qualification process. All applicable portions of the attached forms shall be completed with attachments if the space provided on the forms is not sufficient. **SUBMITTALS FAILING TO CLEARLY PRESENT ALL OF THE REQUESTED INFORMATION, OR THAT ARE NOT IN THE FORMAT REQUESTED MAY BE CONSIDERED NON-RESPONSIVE AND REJECTED ON THAT BASIS.** Each copy of the submittal must be complete and fully responsive to the requirements of this RFQ.

Questions should be directed via email with the Subject Line (UCDH CUPx RFQ) to:

Jessica Rinn
Project Manager
Rudolph & Sletten
jessica.rinn@rsconst.com

Content Of Statement of Qualifications Submissions:

1. Cover Letter (Limit-1 page)

Provide a cover letter that summarizes and demonstrates your understanding of the CUP Expansion project and the focus on the patient experience, as well as the ability of your proposed project team to deliver a design which supports UC Davis Health project goals. The cover letter must be signed by the Project Principal(s) authorized to make contractual commitments for the firm proposing and holding either a current California license by the applicable California Licensing Board or professional engineering license by California Department of Consumer Affairs Board for Professional Engineers, Land Surveyors, and Geologists.

2. Proposed Firm (Limit- 1 page)

Each Firm, Joint Venture and/or Partner must provide the following information:

- a) Name of firm, address and number of years in the business (Include previous names, if changed within the past five (5) years.)
- b) Name, title, telephone number and e-mail address of key licensed Principal(s) to contact.
- c) Location of the main office and that of all other offices. Identify the office that will support the design services being performed at the UC Davis Health Big Room on/near the Sacramento Campus.
- d) Work volume of the firm and, separately, for the project office supporting the design services performed at the UC Davis Health Big Room. Provide the number of current projects and the total annual volume of work (construction cost and fee) for HCAI 1 and non-healthcare work.
- e) Firm Staff: For the firm and the project office supporting the design services performed at the UC Davis Health Big Room, provide number of full-time staff. Identify number of staff with HCAI 1 experience.

3. Project Team (Limit 3 Pages for Non-Resume Material) and Resume Page Limit is Max of 2 Pages single sided, 8.5"x11" for each resume, limit resumes to key staff members/positions).

Each Firm must provide the following proposed Project Team information:

- a) List all key staff of the Proposer's Team:
Provide an organization chart showing proposed roles and responsibilities. Firm must commit key staff for the duration of the project, with all work to be performed at the UC Davis Health Big Room and with key staff located at the UC Davis Health Big Room during all normal work hours (Monday through Friday). Relevant and required experience must have been performed by those key staff being proposed for the CUP Expansion.

Proposers are advised that, after the selection, no changes in the composition of the project team personnel or their roles and responsibilities can be made without the written approval of UCDH and R&S.

b) Resumes of Key Staff:

Provide a resume of each of the key staff members for the proposed project team and identified in the organization chart. The resumes of each team member should address their respective experience with the following:

1. Full name, position in the firm, years with the firm and current location (if a multi-office firm). If less than five years with the firm, provide the name of previous firm.
2. Project role and responsibilities.
3. Location where staff member works or principal office.
4. Education - list all degrees, including institution and year received; CA license information.
5. Relevant project experience working on similar scope, size and complexity healthcare buildings or hospitals in California, and any other relevant project experiences. Include project name, owner and general contractor, project role, phases of involvement (programming, design, AOR, etc.), years involved, specific project description, size (in GSF and construction cost), project delivery method and current status. If the project listed is performed with previous employer, please list the firm's name.
6. Identify if individual worked on the 3 submitted comparable projects.
7. Relevant project experience with Design-Build delivery method and fast track design packages.
8. Relevant project experience with Integrated Project Delivery (Design-Build, CMAR, IFOA or GMP Construction contract), and Lean project tools. Include project name, owner and general contractor, project role and years involved, project description, size (in GSF and construction cost), project delivery method and current status. If the project listed is performed with previous employer, please list the firm's name.
9. Relevant project experiences with projects having been executed in a collaborative environment such as a "Big Room" co-located project organization structure -- throughout all phases of the project. Include project name, owner and general contractor, project role and years involved, project description, size (in GSF and construction cost), project delivery method and current status. If the project listed is performed with previous employer, please list the firm's name.
10. Relevant project experiences with Target Value Design (TVD) throughout all phases of the project. Include project name, owner and general contractor, project role and years involved, project description, size (in GSF and construction cost), project delivery method and current status. If the project listed is performed with previous employer, please list the firm's name.
11. Relevant project experience with a congested urban site and adjacencies to existing, operating and occupied facilities.

4. Relevant Projects Project Team (Page Limit is (2) 8.5"x11" pages per project.)

- a) List two to three (2-3) relevant projects within the past ten (10) years that demonstrates past experience with similar project size, type and complexity to the CUP Expansion project. Demonstrate experience with UC Davis Health, HCAI 1 projects, and design-build or progressive design-build projects located in the Sacramento area.
- b) At a minimum, include the following information about each relevant project:
 - a. Project name
 - b. Project description
 - c. Project size (square feet)
 - d. Construction value
 - e. Project duration
 - f. Project delivery approach
 - g. Consultant's role on the project
 - h. Consultant's years of involvement
 - i. Project owner with current address and telephone number

5. **Technical Approach (Page Limit is (4) 8.5"x11" pages)**
 - a) Respond to Screening Criteria Item III.2

6. **Target Value Design (TVD) Approach (Page Limit is (4) 8.5"x11" pages)**
 - a) Respond to Screening Criteria Item III.3

7. **Project Emphasis (LEAN Methodology) (Page Limit is (4) 8.5"x11" pages)**
 - a) Respond to Screening Criteria Item III.4

End.



**REQUEST FOR
STATEMENT OF QUALIFICATIONS**

FOR

**MECHANICAL & PLUMBING
ENGINEERING SERVICES**

FOR

**PROJECT NO. 9557660
CENTRAL UTILITY PLANT EXPANSION**

**JULY 21, 2023
AUGUST 3, 2023 - REVISED**

**RUDOLPH & SLETTEN
1504 EUREKA ROAD, SUITE 200
ROSEVILLE, CA 95661
(916) 781-8001
<https://www.rsconstruction.com>**

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ATTACHMENTS:

Attachment A – Supporting Documents:

- UC Davis Health Central Utility Plant Expansion Pre-CEQA Investigation Study dated December 12, 2022 (85 pages)
- UC Davis Health Utility Master Plan Update Report dated April 29, 2022 (415 pages)
- UC Davis Health Central Plant NPC Study dated August 10, 2022 (10 pages)
- UCDH CUP Utility Upgrade and Expansion Geotechnical Engineering and Geologic Hazards Report dated January 10, 2023 (200 pages)
- UCDH CUP Generator Controls Phasing Concept dated March 16, 2023 (5 pages)
- CUP Expansion Notice of Preparation Environmental Impact Report dated May 23, 2023 (15 pages)
- Preliminary BIM Executed Plan dated July 20, 2023 (66 pages)

Attachment B – DBIA 540 Documents Standard Form of Agreement Between Design-Builder and Design Consultant with Addendum

I. BACKGROUND:

Project Description:

UC Davis Health (UCDH), located in Sacramento, has a 50-year history of providing high-quality patient care across the greater Sacramento region and the 33 counties it serves. UC Davis Health's 142-acre campus is served by central heating and cooling plant ("Central Plant") built in 1998 and is nearly at its utility capacity and requires an upgrade.

Starting in 2019, UC Davis Health undertook a comprehensive utilities master planning effort to outline the infrastructure and facilities needed to address future healthcare, education, research, and teaching needs on the Sacramento campus and in the greater Sacramento region. The Utility Master Planning Team identified a critical need for UC Davis Health to upgrade utility services and expand the infrastructure to support current and upcoming utility operations.

The Central Utility Plan (CUP) Expansion addresses the utility requirements for the new buildings at UC Davis Health's Sacramento campus. The upgrade and expansion is currently a baseline program of a +40,000 (gsf) new annex building and 9,000 (gsf) of renovations within the existing CUP, Department of Health Care Access and Information (HCAI) Level-1 utility space, diesel generators, electrical rooms and administrative support space to facilitate campus operations. This project will support the California Tower and other projects with site and building utility infrastructure upgrades. Scopes will be both HCAI and Non-HCAI.

The CUP master plan and underground distribution is divided into three (3) phases, with the Central Utility Plant Expansion included in this project scope.

- **48X Complex** - Current project that consists of limited upgrades and extending utilities from the Central Plant to serve the 48X Complex only. Project is estimated to be completed by 2025.
- **Central Utility Plant Expansion** – *This project will expand the Central Plant capacity to support the California Tower and additional future projects.*
- **Central Plant Modernization** - Future project to expand the capabilities of the Central Plant by converting the Campus to an All-Electric operating Central Plant.

The CUP Expansion Project involves upgrades to the existing CUP, construction of the new CUP Annex building and associated underground utility distribution as well as other campus upgrades and equipment testing to support the new and future projects on UC Davis Health campus. Work for CUP Expansion will occur concurrently with the construction of California Tower and 48X Complex. These projects will be constructed by a separate entity but will be supported by this project. In addition, other make-ready work for the campus will be in process on nearby sites. As such, construction activities, including but not limited to utility tie-ins access and laydown areas, will need to be carefully planned and coordinated.

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II. PROFESSIONAL SERVICES REQUESTED:

1. Mechanical and Plumbing engineering services to be the project’s Mechanical and Plumbing Engineer of Record.
2. Assist AOR and design team to develop Owner Project Requirements and Specifications for mechanical and plumbing systems.
3. Support validation phase by providing various mechanical and plumbing systems to advise AOR during development of various schemes during validation that look at meeting the required program as well as the target budget.
4. Provide all Mechanical & Plumbing engineering services necessary to provide a coordinated mechanical & plumbing engineering design that meets or exceeds Basis of Design, UC Davis Health Requirements, best practice industry standards, and is approved by all applicable regulatory Agencies but meets or is less than the Project’s Target Budget values.
5. Assist AOR with maintaining an energy model throughout design. Utilize energy model early to advise AOR on schemes during validation.
6. Contract under AOR for end of Program Validation through Schematic Design.
7. Contract under Design-Builder (R&S) from end of Program Validation through Schematic Design via DBIA 540 and DBIA Addendum. See Attachment B for reference.
8. Provide initial design and criteria for design-build subcontractor.
9. Contract under mechanical & plumbing design-build contractor from Design Development Documents through Construction Administration Services.
10. Provide site mechanical and plumbing design within the existing CUP and CUP Annex property and to street. Site mechanical and plumbing design beyond the street will be by Civil Engineer.
11. Provide field investigation and research of as-builts to develop new design for the renovation and expansion areas.

12. Timely design development to ensure team meets incremental budget deliverables for two Board of Regents funding meetings.
13. Coordinate with associated design-build contractor to provide complete as-builts.
14. Collaborate early on the commissioning scope and timing of the mechanical and plumbing systems.

Generally, Professional Services will also include, but are not limited to:

- a) Development of a Basis of Design.
- b) Program validation and updates to site master plan (as required).
- c) Document, design, analyze and calculate to support development of Schematic Design and Design Development documents as generally defined by the latest AIA document, California Codes and UC Policies.
- d) Document, design, analyze and calculate to support development of Construction Document as generally defined by the latest AIA document but phased packaging based on schedule requirements, Agency Requirements, California Codes and UC Policies.
- e) All required Agency reviews and permits.
- f) Construction Administration.
- g) Robust quality control and quality assurance during design and construction to ensure that the project meets design intent and quality levels required by UCDH.
- h) Utilize BIM tools and conform to the team's BIM Execution Plan. Contribute where necessary to the development of the BIM Execution Plan.
- i) Design Coordination with the AOR, other design consultants, Design-Builder and Design-Builder's Design-Assist Subcontractors and Design-Build Subcontractors, and Owner-provided Consultants, coordination includes elimination of redundancies and gaps between design disciplines.
- j) Incorporation of UCDH's standards and advising on suggested deviations with respect to cost, schedule, durability etc.
- k) Gain approval of the trade partners and team for all cost related design decisions.
- l) Presentation Materials required to communicate, solicit feedback, obtain approval from University Stakeholder's, UC Regents, or outside agencies.
- m) Serve as Engineer of Record for those design disciplines required to be named per HCAI requirements.
- n) Incorporate Peer Review comments or advise/justify on Peer Review comments not being incorporated.
- o) Field investigate existing conditions to incorporate into new design thereby minimizing field unknowns and providing predictability for the new work that occurs in existing conditions.
- p) Adhere to Target Value Design philosophies and methodologies.
- q) Support life cycle cost analysis.
- r) Incorporate LEAN philosophies, tools, and methodologies into design and all project phases, including but not limited to: Target Value Design, Set-Based Design, Pull-Scheduling, A3 reports, and Last Planner.
- s) Coordinate design to support Design-Builder's Logistics and Phasing plans.
- t) Provide design that supports modular construction and other time savings and quality improvement initiatives.
- u) Support developing Sustainability design, goals and features, including documentation as required with Agencies.
- v) This is a progressive design-build project with key meetings occurring on many days in the Big Room on a weekly basis. The schedule is yet to be determined, but the expectation is for onsite meetings with the various cluster groups and project leadership. You will be expected to attend these key meetings in person.

The Design-Builder anticipates utilizing an incremental design deliverable process with various authorities having jurisdiction (i.e., UCDH, UCDH Fire Marshal, HCAI). It is incumbent upon the various design consultants to meet HCAI incremental submittal requirements.

BASIS FOR SELECTION

The basis for selection will be heavily weighted on the strength of the proposer's assigned personnel, their availability, demonstrated similar past experience with the delivery method/project type, and their ability to demonstrate the required skills and attitude to contribute as a team member to make the Project successful. We recommend avoiding excessive research or ideation on design concepts specific to the project requirements. Spend your time focused on the questions below to demonstrate these capabilities and characteristics.

Consultants will be selected based on firm experience, team experience, approach, and best "fit", value-added to team as we build a strong, flexible, and LEAN team to deliver this world-class facility for UC Davis Health.

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1. **Statement of Qualifications:** Demonstrate interest in the project and past experience with similar size, type and complexity to the CUP Expansion project. Provide 2-3 examples. Demonstrate experience with UC Davis Health, HCAI 1 projects, and design-build or progressive design-build projects located in the Sacramento area. Provide organization chart with clear and appropriate definition of roles, including the main point of contact. Availability of staff over the course of the project. Provide brief resumes which list education, industry certifications and experience of personnel proposed. Identify experience working on progressive design-build or design-build projects particularly in collaboration with R&S, N&L, UC Davis Health, and/or HCAI. See Content of Statement of Qualifications below for details and page limit. **Points: 50 (Firm Experience:10 Points, Project Examples: 15 Points, Key Team Members: 25 Points).**
2. **Technical Approach:** Describe your proposed approach that demonstrates your firm's understanding of the information within this RFQ. Identify three critical constraints of the project and how your firm plans to provide a collaborative and productive effort to address them. Page Limit: Four (4) pages. **Points: 30**
3. **Target Value Design (TVD) Approach:** Demonstrate experience in reviewing proposed project changes in scope and how your team collaboratively analyzed design, budget and schedule factors to quickly provide stakeholders with feedback to maintain the project's target value. Page Limit: Four (4) pages. **Points: 10**
4. **Project Emphasis (LEAN Methodology):** Based on your experience, describe your team's top three recommended Lean Methods & Tools besides TVD to be utilized throughout the project, and specifically describe how each tool has helped your team deliver past successful projects. (Only projects with design or construction occurring within the past ten (10) years shall be utilized). Page Limit: Four (4) pages. **Points: 10**

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After review of the Submittal, R&S and Nacht & Lewis may request clarifying information. The Submittal must be complete and address all the stated requirements. Responses such as "N/A" are not acceptable. If not applicable, state "Not Applicable" and explain why. If none, state "NONE".

Consultants selected for shortlist interviews or supplemental written technical Q&A will be notified in writing, and will specify the confirmed date, time, and location of their interviews, outline the interview process or process for written technical Q&A. R&S reserves the right to re-open the qualification process if they determine that there are insufficient qualified consultants to support the RFQ process.

V. SUBMITTAL REQUIREMENTS:

Statements of Qualifications and Responses to Screening Criteria shall be as brief and concise as possible. Please indicate lead in-house person(s). Provide attachments as appropriate to respond directly to the screening criteria. Submittal should be specifically tailored to this project. Boiler plate or generic pages are not desired. **All material shall be in size 8 1/2" x 11", page limits will be based on single sided.**

No hard copies will be accepted. Statements of qualifications and Responses to Screening Criteria must be submitted **electronically** (in pdf format) to Box no later than **4 p.m., Wednesday, August 9, 2023**, to the link provided below:

Interested firms must contact Jessica Rinn at jessica.rinn@rsconst.com before 4 p.m., Wednesday August 9, 2023, to request an upload link.

Proposers shall assume full responsibility for timely electronic submission of the Statement of Qualifications and Responses to Screening Criteria. ORAL, TELEPHONIC, FACSIMILE, TELEGRAPHIC, OR EMAILED SUBMITTALS ARE INVALID AND WILL NOT BE ACCEPTED. NO SUBMITTALS WILL BE ACCEPTED AFTER THE DUE DATE AND TIME STIPULATED ABOVE. SUPPLEMENTAL DATA OR ADDITIONAL PROJECT INFORMATION WILL NOT BE ACCEPTED AFTER THE DUE DATE AND TIME UNLESS SPECIFICALLY REQUESTED BY RUDOLPH & SLETTEN.

The UC Davis Health, R&S and N&L are not responsible for any costs that Proposers may incur to complete the qualification process. **SUBMITTALS FAILING TO CLEARLY PRESENT ALL OF THE REQUESTED INFORMATION, OR THAT ARE NOT IN THE FORMAT REQUESTED MAY BE CONSIDERED NON-RESPONSIVE AND REJECTED ON THAT BASIS.** Each copy of the submittal must be complete and fully responsive to the requirements of this RFQ.

Questions should be directed via email with the Subject Line (UCDH CUPx RFQ) to:

Jessica Rinn
Project Manager
Rudolph & Sletten
jessica.rinn@rsconst.com

Content Of Statement of Qualifications Submissions:

1. Cover Letter (Limit-1 page)

Provide a cover letter that summarizes and demonstrates your understanding of the CUP Expansion project and the focus on the patient experience, as well as the ability of your proposed project team to deliver a design which supports UC Davis Health project goals. The cover letter must be signed by the Project Principal(s) authorized to make contractual commitments for the firm proposing and holding either a current California license by the applicable California Licensing Board or professional engineering license by California Department of Consumer Affairs Board for Professional Engineers, Land Surveyors, and Geologists.

2. Proposed Firm (Limit- 1 page)

Each Firm, Joint Venture and/or Partner must provide the following information:

- a) Name of firm, address and number of years in the business (Include previous names, if changed within the past five (5) years.)
- b) Name, title, telephone number and e-mail address of key licensed Principal(s) to contact.
- c) Location of the main office and that of all other offices. Identify the office that will support the design services being performed at the UC Davis Health Big Room on/near the Sacramento Campus.
- d) Work volume of the firm and, separately, for the project office supporting the design services performed at the UC Davis Health Big Room. Provide the number of current projects and the total annual volume of work (construction cost and fee) for HCAI 1 and non-healthcare work.
- e) Firm Staff: For the firm and the project office supporting the design services performed at the UC Davis Health Big Room, provide number of full-time staff. Identify number of staff with HCAI 1 experience.

3. Project Team (Limit 3 Pages for Non-Resume Material) and Resume Page Limit is Max of 2 Pages single sided, 8.5"x11" for each resume, limit resumes to key staff members/positions).

Each Firm must provide the following proposed Project Team information:

- a) List all key staff of the Proposer's Team:
Provide an organization chart showing proposed roles and responsibilities. Firm must commit key staff for the duration of the project, with all work to be performed at the UC Davis Health Big Room and with key staff located at the UC Davis Health Big Room during all normal work hours (Monday through Friday). Relevant and required experience must have been performed by those key staff being proposed for the CUP Expansion.

Proposers are advised that, after the selection, no changes in the composition of the project team personnel or their roles and responsibilities can be made without the written approval of UCDH and R&S.

- b) Resumes of Key Staff:
Provide a resume of each of the key staff members for the proposed project team and identified in the organization chart. The resumes of each team member should address their respective experience with the following:
 1. Full name, position in the firm, years with the firm and current location (if a multi-office firm). If less than five years with the firm, provide the name of previous firm.

2. Project role and responsibilities.
3. Location where staff member works or principal office.
4. Education - list all degrees, including institution and year received; CA license information.
5. Relevant project experience working on similar scope, size and complexity healthcare buildings or hospitals in California, and any other relevant project experiences. Include project name, owner and general contractor, project role, phases of involvement (programming, design, AOR, etc.), years involved, specific project description, size (in GSF and construction cost), project delivery method and current status. If the project listed is performed with previous employer, please list the firm's name.
6. Identify if individual worked on the 3 submitted comparable projects.
7. Relevant project experience with Design-Build delivery method and fast track design packages.
8. Relevant project experience with Integrated Project Delivery (Design-Build, CMAR, IFOA or GMP Construction contract), and Lean project tools. Include project name, owner and general contractor, project role and years involved, project description, size (in GSF and construction cost), project delivery method and current status. If the project listed is performed with previous employer, please list the firm's name.
9. Relevant project experiences with projects having been executed in a collaborative environment such as a "Big Room" co-located project organization structure -- throughout all phases of the project. Include project name, owner and general contractor, project role and years involved, project description, size (in GSF and construction cost), project delivery method and current status. If the project listed is performed with previous employer, please list the firm's name.
10. Relevant project experiences with Target Value Design (TVD) throughout all phases of the project. Include project name, owner and general contractor, project role and years involved, project description, size (in GSF and construction cost), project delivery method and current status. If the project listed is performed with previous employer, please list the firm's name.
11. Relevant project experience with a congested urban site and adjacencies to existing, operating and occupied facilities.

4. Relevant Projects Project Team (Page Limit is (2) 8.5"x11" pages per project.)

- a) List two to three (2-3) relevant projects within the past ten (10) years that demonstrates past experience with similar project size, type and complexity to the CUP Expansion project. Demonstrate experience with UC Davis Health, HCAI 1 projects, and design-build or progressive design-build projects located in the Sacramento area.
- b) At a minimum, include the following information about each relevant project:
 - a. Project name
 - b. Project description
 - c. Project size (square feet)
 - d. Construction value
 - e. Project duration
 - f. Project delivery approach
 - g. Consultant's role on the project
 - h. Consultant's years of involvement
 - i. Project owner with current address and telephone number

5. Technical Approach (Page Limit is (4) 8.5"x11" pages)

- a) Respond to Screening Criteria Item III.2

6. **Target Value Design (TVD) Approach (Page Limit is (4) 8.5"x11" pages)**
 - a) Respond to Screening Criteria Item III.3

7. **Project Emphasis (LEAN Methodology) (Page Limit is (4) 8.5"x11" pages)**
 - a) Respond to Screening Criteria Item III.4

End.



**REQUEST FOR
STATEMENT OF QUALIFICATIONS

FOR

STRUCTURAL ENGINEERING SERVICES

FOR

PROJECT NO. 9557660
CENTRAL UTILITY PLANT EXPANSION**

**JULY 21, 2023
AUGUST 3, 2023 - REVISED**

**RUDOLPH & SLETTEN
1504 EUREKA ROAD, SUITE 200
ROSEVILLE, CA 95661
(916) 781-8001
<https://www.rsconstruction.com>**

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ATTACHMENTS:

Attachment A – Supporting Documents:

- UC Davis Health Central Utility Plant Expansion Pre-CEQA Investigation Study dated December 12, 2022 (85 pages)
- UC Davis Health Utility Master Plan Update Report dated April 29, 2022 (415 pages)
- UC Davis Health Central Plant NPC Study dated August 10, 2022 (10 pages)
- UCDH CUP Utility Upgrade and Expansion Geotechnical Engineering and Geologic Hazards Report dated January 10, 2023 (200 pages)
- UCDH CUP Generator Controls Phasing Concept dated March 16, 2023 (5 pages)
- CUP Expansion Notice of Preparation Environmental Impact Report dated May 23, 2023 (15 pages)
- Preliminary BIM Executed Plan dated July 20, 2023 (66 pages)

Attachment B – AIA Documents C441-2014 Standard Form of Agreement Between Architect and Consultant for a Design-Build Project Sample

I. BACKGROUND:

Project Description:

UC Davis Health (UCDH), located in Sacramento, has a 50-year history of providing high-quality patient care across the greater Sacramento region and the 33 counties it serves. UC Davis Health's 142-acre campus is served by central heating and cooling plant ("Central Plant") built in 1998 and is nearly at its utility capacity and requires an upgrade.

Starting in 2019, UC Davis Health undertook a comprehensive utilities master planning effort to outline the infrastructure and facilities needed to address future healthcare, education, research, and teaching needs on the Sacramento campus and in the greater Sacramento region. The Utility Master Planning Team identified a critical need for UC Davis Health to upgrade utility services and expand the infrastructure to support current and upcoming utility operations.

The Central Utility Plan (CUP) Expansion addresses the utility requirements for the new buildings at UC Davis Health's Sacramento campus. The upgrade and expansion is currently a baseline program of a +40,000 (gsf) new annex building and 9,000 (gsf) of renovations within the existing CUP, Department of Health Care Access and Information (HCAI) Level-1 utility space, diesel generators, electrical rooms and administrative support space to facilitate campus operations. This project will support the California Tower and other projects with site and building utility infrastructure upgrades. Scopes will be both HCAI and Non-HCAI.

The CUP master plan and underground distribution is divided into three (3) phases, with the Central Utility Plant Expansion included in this project scope.

- **48X Complex** - Current project that consists of limited upgrades and extending utilities from the Central Plant to serve the 48X Complex only. Project is estimated to be completed by 2025.
- **Central Utility Plant Expansion** – *This project will expand the Central Plant capacity to support the California Tower and additional future projects.*
- **Central Plant Modernization** - Future project to expand the capabilities of the Central Plant by converting the Campus to an All-Electric operating Central Plant.

The CUP Expansion Project involves upgrades to the existing CUP, construction of the new CUP Annex building and associated underground utility distribution as well as other campus upgrades and equipment testing to support the new and future projects on UC Davis Health campus. Work for CUP Expansion will occur concurrently with the construction of California Tower and 48X Complex. These projects will be constructed by a separate entity but will be supported by this project. In addition, other make-ready work for the campus will be in process on nearby sites. As such, construction activities, including but not limited to utility tie-ins access and laydown areas, will need to be carefully planned and coordinated.

The existing CUP will be seismically upgraded to meet the SB1953 program and interior layouts will be adjusted to account for its' Control Room expansion. In the CUP Hazardous Materials Yard, walls will be demolished and rebuilt to provide space for a new UCDH electrical utility yard to be fed from SMUD's east substation. Additionally, new diesel tanks, a new water well, and supporting site infrastructure will be adjusted to maintain proper access and safety.

The CUP Annex will be a +40,000 (gsf) building located between the existing CUP and the Facility Support Services Building (FSSB). The project layout and site improvements will need to be coordinated with the Parking Structure 6 (PS6) improvements located south of FSSB and will require access during construction and completion of the CUP Expansion project. The project will include demolishing a portion of FSSB and hardscape, adjusting FSSB's interior layout to accommodate the removed spaces, relocating utilities serving FSSB around the CUP Annex, and relocating PS6's entrance and exit. Remote terminal units in the California Tower will also need to be installed and commissioned with the CUP Expansion.

This project will include generators, normal and emergency power distribution, transformers, hot water boilers, CUP administration and support space, future hoist space, PBX Operators space, parking with landscaped area, and routing of new underground CUP utilities including hot water (from boilers), electrical service (SMUD, campus distribution, and building power & lighting), low voltage (PBX, CUP Controls, building systems), fire and life safety, diesel fuel, water, sewer, and fire water.

A new ductbank system (normal power, emergency power, and communications) is required from the new CUP Annex to connect to in-progress and future projects. Additionally, new hydronic piping will be installed along 45th Street and X Street to serve the campus with a portion being completed by the CUP Expansion project. These activities should minimize crossings and construction activities that would impact these utility loops.

The CUP Annex will be designed to maintain the existing CUP's reputation for uninterrupted service to the hospital campus and provide flexibility to accept future technologies as they are developed to provide longevity and resiliency. The planning and design of the CUP Expansion Project must meet the Target Value Cost for the project and the project team must follow the Target Value Design approach. The project must also hit critical milestone dates to ensure that the California Tower and 48X Complex can open fully operational on time.

Project Delivery:

The CUP Expansion project is a Progressive Design-Build delivery model in which the University has selected the Design-Builder as Rudolph & Sletten (R&S) and the Architect of Record (AOR) as Nacht & Lewis (N&L). The University, R&S and N&L will select the most qualified design consultant in accordance with this RFQ. Other design disciplines will be selected utilizing a similar RFQ process. Future design-build and design-assist subcontractors will be selected in accordance with UC procurement requirements in which certain design consultant disciplines will have an opportunity to participate with those selections. The goal is to create an integrated, high performing, LEAN design team that will deliver the best-in-class project outcome for UC Davis Health.

The CUP Expansion Project will require intensive and close collaboration between the Design-Builder, the Architect, all consultants, UCDH staff, HCAI, the State Fire Marshal, Design-Build and Design Assist subcontractors, all other subcontractors, and many other project participants. Key meetings will occur in a Big Room on a weekly basis. The schedule is yet to be determined, but the expectation is for onsite meetings with the various cluster groups and project leadership. You will be expected to attend these key meetings in person.

Project Timing:

This Project will proceed in the following phases:

- Phase 1A: Program Validation & Site Master Planning
Make Ready Work and Infrastructure Schematic Design and Design Development
- Phase 1B: HCAI CUP Annex Expansion and CUP Renovations Schematic Design, and Design Development
- Phase 2: Construction Documents
- Phase 3A: Construction – Make-Ready and Annex Substantial Completion
- Phase 3B: Construction – Completion of the Annex Building and Central Plant Renovations

Program validation began in June 2023 and design is planned to commence in September 2023 with an overall target completion date in 2029. The Milestone Schedule currently shows 26 months for the completion of Phases 1 and 2, and 48 months for Phase 3 including Commissioning. These milestones are still being finalized but are approximately:

- Program Validation and Site Master Planning Complete 10/26/2023
- Phase 1A MR Work & Infrastructure Budget Submitted to Board of Regents (BOR) 10/26/2023
- Schematic Design Complete 02/16/2024
- Phase 1B HCAI Increments Budget Submitted to BOR 04/02/2024
- Phase 1 & Design Development Complete 06/14/2024
- Phase 2 Construction Documents Started 06/03/2024
- Phase 2 Construction Documents Completed 08/20/2025
- Phase 3A Make-Ready and Annex Substantial Completion Completed 01/04/2027
- Phase 3B Annex Building and Central Plant Renovations Completed 02/28/2029

There are many intricacies, including make-ready work, HCAI increment negotiation and work in the existing CUP and California Hospital Tower in 2028 – 2029, to be finalized with the consultants and trade partners. We will be pull-planning these activities as a team using V-Planner.

Project Contractual Arrangements:

The following table describes the contractual relationship that each design discipline will be arranged under:

Design Discipline	Contracted to R&S	Contracted to AOR	Contracted to Design-Build Trade Partner
Geotechnical	X		
Civil/Landscape		X	
Structural		X	
Mechanical/Plumbing	Validation/Programming through SD		DD through CA
Electrical/Low Voltage	Validation/Programming through SD		DD through CA

II. PROFESSIONAL SERVICES REQUESTED:

1. Structural Engineering services to be the project’s Structural Engineer of Record.
2. Assist AOR and design team to develop Owner Project Requirements and Specifications for structural systems.
3. Support validation phase by providing various structural systems to advise AOR during development of various schemes during validation that look at meeting the required program as well as the target budget.
4. Provide all Structural Engineering services necessary to provide a coordinated structural engineering design that meets or exceeds Basis of Design, UC Davis Health Requirements, best practice industry standards, and is approved by all applicable regulatory Agencies but meets or is less than the Project’s Target Budget values.
5. Contract under Architect of Record. See Attachment B for reference.
6. Provide initial design and criteria for design-assist trade partner.
7. Timely design development to ensure team meets incremental budget deliverables for two Board of Regents funding meetings.
8. Coordinate with associated design-build trade partner to provide complete as-builts.
9. Seismic upgrades to the existing CUP to be in compliance with SB1953 program.
10. Develop 3D model of existing CUP’s new seismic upgrades, new CUP and FSSB alterations that will be incorporated into BIM Coordinated model. Attend BIM coordination meetings as needed.

Generally, Professional Services will also include, but are not limited to:

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After review of the Submittal, R&S and Nacht & Lewis may request clarifying information. The Submittal must be complete and address all the stated requirements. Responses such as "N/A" are not acceptable. If not applicable, state "Not Applicable" and explain why. If none, state "NONE".

Consultants selected for shortlist interviews or supplemental written technical Q&A will be notified in writing, and will specify the confirmed date, time, and location of their interviews, outline the interview process or process for written technical Q&A. R&S reserves the right to re-open the qualification process if they determine that there are insufficient qualified consultants to support the RFQ process.

V. SUBMITTAL REQUIREMENTS:

Statements of Qualifications and Responses to Screening Criteria shall be as brief and concise as possible. Please indicate lead in-house person(s). Provide attachments as appropriate to respond directly to the screening criteria. Submittal should be specifically tailored to this project. Boiler plate or generic pages are not desired. **All material shall be in size 8 1/2" x 11", page limits will be based on single sided.**

No hard copies will be accepted. Statements of qualifications and Responses to Screening Criteria must be submitted **electronically** (in pdf format) to Box no later than **4 p.m. Wednesday, August 9, 2023**, to the link provided below:

Interested firms must contact Jessica Rinn at jessica.rinn@rsconst.com before 4 p.m., Wednesday August 9, 2023, to request an upload link.

Proposers shall assume full responsibility for timely electronic submission of the Statement of Qualifications and Responses to Screening Criteria. ORAL, TELEPHONIC, FACSIMILE, TELEGRAPHIC, OR EMAILED SUBMITTALS ARE INVALID AND WILL NOT BE ACCEPTED. NO SUBMITTALS WILL BE ACCEPTED AFTER THE DUE DATE AND TIME STIPULATED ABOVE. SUPPLEMENTAL DATA OR ADDITIONAL PROJECT INFORMATION WILL NOT BE ACCEPTED AFTER THE DUE DATE AND TIME UNLESS SPECIFICALLY REQUESTED BY RUDOLPH & SLETTEN.

The UC Davis Health, R&S and N&L are not responsible for any costs that Proposers may incur to complete the qualification process. **SUBMITTALS FAILING TO CLEARLY PRESENT ALL OF THE REQUESTED INFORMATION, OR THAT ARE NOT IN THE FORMAT REQUESTED MAY BE CONSIDERED NON-RESPONSIVE AND REJECTED ON THAT BASIS.** Each copy of the submittal must be complete and fully responsive to the requirements of this RFQ.

Questions should be directed via email with the Subject Line (UCDH CUPx RFQ) to:

Jessica Rinn
Project Manager
Rudolph & Sletten
jessica.rinn@rsconst.com

Content Of Statement of Qualifications Submissions:

1. Cover Letter (Limit-1 page)

Provide a cover letter that summarizes and demonstrates your understanding of the CUP Expansion project and the focus on the patient experience, as well as the ability of your proposed project team to deliver a design which supports UC Davis Health project goals. The cover letter must be signed by the Project Principal(s) authorized to make contractual commitments for the firm proposing and holding either a current California license by the applicable California Licensing Board or professional engineering license by California Department of Consumer Affairs Board for Professional Engineers, Land Surveyors, and Geologists.

2. Proposed Firm (Limit- 1 page)

Each Firm, Joint Venture and/or Partner must provide the following information:

- a) Name of firm, address and number of years in the business (Include previous names, if changed within the past five (5) years.)
- b) Name, title, telephone number and e-mail address of key licensed Principal(s) to contact.
- c) Location of the main office and that of all other offices. Identify the office that will support the design services being performed at the UC Davis Health Big Room on/near the Sacramento Campus.
- d) Work volume of the firm and, separately, for the project office supporting the design services performed at the UC Davis Health Big Room. Provide the number of current projects and the total annual volume of work (construction cost and fee) for HCAI 1 and non-healthcare work.
- e) Firm Staff: For the firm and the project office supporting the design services performed at the UC Davis Health Big Room, provide number of full-time staff. Identify number of staff with HCAI 1 experience.

3. Project Team (Limit 3 Pages for Non-Resume Material) and Resume Page Limit is Max of 2 Pages single sided, 8.5"x11" for each resume, limit resumes to key staff members/positions).

Each Firm must provide the following proposed Project Team information:

- a) List all key staff of the Proposer's Team:
Provide an organization chart showing proposed roles and responsibilities. Firm must commit key staff for the duration of the project, with all work to be performed at the UC Davis Health Big Room and with key staff located at the UC Davis Health Big Room during all normal work hours (Monday through Friday). Relevant and required experience must have been performed by those key staff being proposed for the CUP Expansion.

Proposers are advised that, after the selection, no changes in the composition of the project team personnel or their roles and responsibilities can be made without the written approval of UCDH and R&S.

- b) Resumes of Key Staff:
Provide a resume of each of the key staff members for the proposed project team and identified in the organization chart. The resumes of each team member should address their respective experience with the following:
 1. Full name, position in the firm, years with the firm and current location (if a multi-office firm). If less than five years with the firm, provide the name of previous firm.
 2. Project role and responsibilities.

3. Location where staff member works or principal office.
4. Education - list all degrees, including institution and year received; CA license information.
5. Relevant project experience working on similar scope, size and complexity healthcare buildings or hospitals in California, and any other relevant project experiences. Include project name, owner and general contractor, project role, phases of involvement (programming, design, AOR, etc.), years involved, specific project description, size (in GSF and construction cost), project delivery method and current status. If the project listed is performed with previous employer, please list the firm's name.
6. Identify if individual worked on the 3 submitted comparable projects.
7. Relevant project experience with Design-Build delivery method and fast track design packages.
8. Relevant project experience with Integrated Project Delivery (Design-Build, CMAR, IFOA or GMP Construction contract), and Lean project tools. Include project name, owner and general contractor, project role and years involved, project description, size (in GSF and construction cost), project delivery method and current status. If the project listed is performed with previous employer, please list the firm's name.
9. Relevant project experiences with projects having been executed in a collaborative environment such as a "Big Room" co-located project organization structure -- throughout all phases of the project. Include project name, owner and general contractor, project role and years involved, project description, size (in GSF and construction cost), project delivery method and current status. If the project listed is performed with previous employer, please list the firm's name.
10. Relevant project experiences with Target Value Design (TVD) throughout all phases of the project. Include project name, owner and general contractor, project role and years involved, project description, size (in GSF and construction cost), project delivery method and current status. If the project listed is performed with previous employer, please list the firm's name.
11. Relevant project experience with a congested urban site and adjacencies to existing, operating and occupied facilities.

4. Relevant Projects Project Team (Page Limit is (2) 8.5"x11" pages per project.)

- a) List two to three (2-3) relevant projects within the past ten (10) years that demonstrates past experience with similar project size, type and complexity to the CUP Expansion project. Demonstrate experience with UC Davis Health, HCAI 1 projects, and design-build or progressive design-build projects located in the Sacramento area.
- b) At a minimum, include the following information about each relevant project:
 - a. Project name
 - b. Project description
 - c. Project size (square feet)
 - d. Construction value
 - e. Project duration
 - f. Project delivery approach
 - g. Consultant's role on the project
 - h. Consultant's years of involvement
 - i. Project owner with current address and telephone number

5. Technical Approach (Page Limit is (4) 8.5"x11" pages)

- a) Respond to Screening Criteria Item III.2

6. Target Value Design (TVD) Approach (Page Limit is (4) 8.5"x11" pages)

- a) Respond to Screening Criteria Item III.3

7. Project Emphasis (LEAN Methodology) (Page Limit is (4) 8.5"x11" pages)

- a) Respond to Screening Criteria Item III.4

End.