



Advertisement for Building Commissioning Services Provider

Project: The Carrington Hall Renew Project
The University of North Carolina at Chapel Hill

Advertised: March 13, 2023

Closing Date for Submittals: April 4, 2023

The University of North Carolina at Chapel Hill is soliciting submittals from firms interested in providing commissioning services for this project.

I. Project Description

The UNC School of Nursing is located in the existing Carrington Hall building with over 700 nursing students calling it home. Originally constructed in 1969 the original building, now referred to as Carrington West, makes up most of the teaching space for the School of Nursing. An addition was added in 2005, commonly referred to as the Carrington East, and encompasses most of the administrative, office and research spaces for the School of Nursing. In this project the Carrington West Building will be razed and replaced with a new building adjacent to the exiting Carrington East Building. The project is targeting LEED Silver Equivalent

The new Carrington West project will be 69,300 GSF. The building will have 8 floors including the penthouse. The construction budget for the project is \$69,000,000. The delivery method for the project will be Single Prime General Contractor. The Designer of Record is Little Diversified Architectural Consulting and Mueller Associates as consulting MEP engineers.

Proposed Project Schedule

The projected project schedule is shown below.

Commissioning Advertisement Phase	Estimated Dates
Advertise RFP	3/13/2023
Proposals Submission	4/3/2023
Selection Committee’s Shortlist - The Week Of	4/10/2023
Interviews – The Week Of	4/17/2023

Proposed Project Phases	Estimated End Dates
50% Construction Documents out for Review	Summer-2023
Construction Documents Complete	September-2023
Bidding Award of Abatement and Demo package	Summer 2023
Construction Start – Abatement and Demo package	Fall-2023
Bidding Award of Building package	Winter 2023
Construction Start – Building package	Summer 2024
Ready for Occupancy	Summer-2026



II. Scope of Services

The Commissioning Provider will be responsible for commissioning the mechanical, electrical, and plumbing to validate that the performance of these systems meet the design intent requirements set forth by the University. Commissioning of the building envelope will be performed however the building enclosure commissioning is not part of this scope of work. The building envelope commissioning provider will be solicited in a separate RFP.

The main mechanical and HVAC equipment to be commission will include.

- Four AHUs about 30,000 cfm each
- 160 VAV terminal units
- 25 FCUs
- Possibly two ERUs with sensible and latent heat wheels, about 18,000 cfm each
- New heating hot water exchanger and pumps serving the new East Carrington
- New secondary chilled water exchanger and pumps serving the new penthouse AHUs 3 and 4.
- One zone will have lab quality terminals, controls and one small lab exhaust fan.

Other equipment to be commissioned include lighting controls and plumbing fixtures and components.

The Commissioning Provider shall provide complete building commissioning services to comply with the Sustainable, Energy Efficient Buildings requirements for public buildings mandated per North Carolina GS 143 – 135.35 through .40 (Article 8C), including:

- Providing and maintaining a commissioning plan and Owner’s Project Requirements (OPR) throughout the project.
- Commissioning services during the various design phases including drawing and specification reviews and providing the project commissioning specifications.
- Commissioning service during the construction phase including site inspections.
- Commissioning services during the project acceptance phase, including performance testing of the building’s systems to verify the design intent has been met.
- Commissioning services during the occupancy and warranty period of the project, assisting as requested in the M&V of the building’s energy performance and providing a final commissioning manual.

The Commissioning Provider (CxP) will be contractually obligated to the Owner and will become a member of the Project Team. The Commission Provider will perform “3rd party” services to the Owner, so no conflict of interest shall exist between the Commissioning Provider and other members of the Project Team.

The contract will be negotiated with the CxP in two parts. Part one of the contract starts at the review of the Design Development Documents and ends upon completion of the project bidding process. After the scope and costs for the project are finalized, a second part of the contract would then be executed for the construction and occupancy phases of commissioning. The contract with the CxP will be in the form of an UNC SCO Design Contract.

III. Experience and Qualifications

The University expects the Commissioning Provider (CxP) to have demonstrated experience in providing commissioning services on similar, large higher education buildings. The CxP should have the following experience and qualifications:

- A. The CxP and assigned lead CxP shall have acted as the principal CxP for at least three similar like projects of over 80,000 square feet.
- B. The Commissioning team members shall have extensive experience in: (1) the operation and troubleshooting of HVAC systems, (2) direct digital control (DDC) systems, (3) testing, adjusting, and balancing (TAB) of HVAC systems. A minimum of five years field experience is required for this type of work and systems.
- C. Team members shall have knowledge and experience in building operations and maintenance.
- D. Team members shall have experience in energy-efficient systems design and control strategy optimization.
- E. The proposer must be licensed as an engineer in the state of North Carolina.



IV. Selection Process

All proposals are due on dates listed on previous page at or before 3:00 PM. A Short-list Committee, consisting of key campus stakeholders will meet to discuss the CxP proposals. The Short-list Committee will then select and contact the design teams that are short listed for the interviews.

Commissioning Provider interviews are proposed for date noted on table on previous page. The Interview Committee will consist of UNC's Facility Planning and Design, Engineering Services and other project stakeholders. The format of the interview will consist of a 20-minute presentation by the commissioning team that is followed by a 10 -minute question and answer session. Each team is expected to have in attendance the person(s) from their firm who will be responsible for the execution of this project. The interviews will be held via Zoom.

V. Submittals

The University of North Carolina at Chapel Hill seeks submittals from firms who have recent experience with similar projects. The submittal should contain sufficient information for the evaluation of the qualifications of all members of the proposed team. The submittal shall include the following descriptions:

1. Background statements to include general business qualifications, including brief background and history of firm, organization, location of the home office and other pertinent offices, and corporate staffing, describing the composition of staff in each office.
2. Comprehensive listing of the CxP previous commissioning experience, including University clients and projects.
3. Detailed descriptions of at least three similar building commissioning projects (description shall as minimum include description of project, dates of project, building square footage, construction cost, commissioning fee, owner contact name/address/phone/email, systems commissioned, phases of commissioning, and which of the firm's personnel were used to commission the project).
4. At least three references with specific points of contact on commissioning projects should be provided.
5. List the key individuals who will be on the CxP team for this contract and provide a description of their relevant commissioning qualifications and commissioning experience.
6. Experience with the North Carolina State Construction Office, and North Carolina State Building Codes including knowledge of the Sustainable, Energy Efficient Buildings requirements for public buildings mandated per GS 143 – 135.35 through .40 (Article 8C).
7. Describe any plans for Historically Underutilized Business (HUB) participation on the proposed team.

To fairly evaluate the submittals and to better utilize the Selection Committee's review time, we request that only pertinent information relating to the specific selection criteria listed above be provided in an Executive Summary with supporting material to follow in the submittals. Please provide a cover letter to the submittal with the main team member's contact information. UNC-CH does not limit the quantity of pages for proposals.

Note: (1) one electronic PDF file of the submittal are required. Electronic copy is to be emailed or submitted through a file share link.

In order that the selection process be as objective as possible, do not contact members of the University or the project team members other than the University's Commissioning Coordinator or Facility Architect/Planning Manager.

All questions and inquiries are to be directed to:

Rod Rabold

Senior Commissioning Engineer
Energy Management
The University of North Carolina at Chapel Hill
CB# 1821, Giles F. Horney Building,

RFP for the Carrington Hall Renewal Project
UNC Chapel Hill
CIP: 20350; SCO #20-22587-02



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Tel. (919) 883-7405
Email: rod.rabold@fac.unc.edu

The project submittal is to be sent to:

Tari Maynor-Brady, AIA
[The University of North Carolina at Chapel Hill](#)
Architect, Facilities Planning & Design
Giles F. Horney Building
103 Airport Drive
Campus Box #1090
Chapel Hill, NC 27599-1090
Phone: (919) 962-7019
Email: Tari.Maynor-Brady@fac.unc.edu