Laramie County Community College
Performing Arts Auditorium Addition

PS-20063
Commissioning Agent
Request for Qualifications

October 15, 2019

By
Laramie County Community College

Submitals Due
November 5, 2019 at 3:00 p.m.
The Laramie County Community College is requesting Statements of Qualification for Professional Commissioning Agent services for the new Performing Arts Auditorium Addition on the LCCC campus in Cheyenne, Wyoming.

SOQ documents are available by logging on to Public Purchase at www.publicpurchase.com

In order to be considered, Statements of Qualification must be received electronically to jspezzano@lccc.wy.edu by 3:00 p.m. November 5, 2019. Selection will be in accord with Wyoming Law (W.S. 9-2-1027 through 9-2-1033). Firms must also comply with W.S. 33-4-101 through 33-4-117 and 33-29-114 through 33-29-139.

LCCC is not obligated by this announcement to award any contract.
PROJEC\v OVERVIEW

The Laramie County Community College (LCCC) proposes to design, construct and equip a new Performing Arts Auditorium on LCCC property in Cheyenne, Wyoming. The facility will consist of a music/theater performance auditorium, art gallery, control booth and lobby areas.

The Auditorium addition will be approximately 12,640 gross square feet. One hundred percent construction documents are available for the project.

1. GENERAL SCOPE OF COMMISSIONING AGENT (Cx) SERVICES

OBJECTIVE

The objective of commissioning is to provide documented confirmation that a facility fulfills the functional and performance requirements of the building owner, occupants and operators. To reach this goal, it is necessary for the commissioning process to establish and document the owner’s criteria for system function, performance and maintainability as well as, to verify and document compliance with these criteria throughout design, construction, start-up and the initial period of operation. In addition, complete Building Systems Manuals, as well as training on system operation, should be provided to the building operators to ensure the value benefit of the commissioning effort is sustained and to ensure that the building continues to operate as intended.

It is the owner’s intent to seek the services of a qualified independent third party commissioning agent to provide services to support the design development, construction documents phase, construction phase, acceptance phase and occupancy of this project, specifically addressing the building systems including the typical mechanical, plumbing, and electrical but also the integrated systems such as fire suppression, fire alarm, security, lighting control, building automation, and communications acoustical and sound systems for the project. The Cx firm will be expected to work with the project team and their representatives in providing professional industry standard commissioning services by providing, but not limited to, the services noted in Section B:

SCOPE OF WORK

The Commissioning Agent (Cx) shall be responsible for carrying out the following tasks. The proposer is free to suggest changes and improvement to the following task list, but for this request it is assumed that these tasks will be completed.

A. SERVICES INCLUDED IN BASIC SCOPE

BID PHASE

1. Respond, in written form, to any questions that are submitted on the Commissioning Program.

2. Attend pre-bid meeting to provide a Commissioning Overview and answer related questions.

CONSTRUCTION PHASE

1. Coordinate and direct the commissioning activities in a logical, sequential and efficient manner using consistent protocols and forms, centralized documentation, clear and regular
communications and consultations with all necessary parties, frequently updated timelines and schedules and technical expertise.

2. Prepare the Construction Phase Commissioning Plan. The plan will be a guide, at a minimum, outlining roles and responsibilities, communication methods, contact names and numbers, and a general overview of the commissioning process. The Commissioning Plan will include written Installation Verification and Start-Up Checklists, Functional Performance Testing Protocols, a Commissioning Schedule that is integrated into the master construction schedule, a Contract Summary and a detailed Training Plan. The initial Commissioning Plan will be prepared within 60 days from the date of authorization to proceed with the Additional Optional Services and submitted to the Owner for review. The approved Commissioning Plan will be used during the Kick-Off Commissioning Meeting. Revise, as necessary, the plan to reflect changes as the project evolves.

3. Installation Verification and Start-Up Checklists. The Commissioning Agent will be responsible for developing the Installation Verification and Start-Up Checklists for all equipment and system components included in the Commissioning Program. The checklists will include a list of elementary component tests and items to inspect and verify proper installation and start-up. The Commissioning Agent will utilize contractor submittal data on manufacturer installation and start-up procedures and their professional experience to develop these checklists. The checklists will be incorporated into the Construction Phase Commissioning Plan.

4. Functional Testing Protocols. The Commissioning Agent will be responsible for developing functional testing protocols to confirm system operation and inter-system operation to demonstrate that the system is performing in accordance with the specified sequence of operations and the basis of design. The format of the functional performance test forms will be submitted to the Owner and Design Professional for review and approval. The Functional Test Protocols shall be incorporated into the Construction Phase Commissioning Plan. At a minimum the functional performance test form will incorporate the following:
   a. List of test participants and witnesses
   b. Calibration Checks of Sensor
   c. Calibration Checks of Control Devices
   d. Test Protocols with step-by-step procedures for checking operational performance in every specified sequence of operation
   e. Test Protocols for checking operation of all safeties
   f. Note section to identify testing deficiencies and comments related to the testing
   g. A place to indicate the outcome of the test and whether retesting will be required

The Commissioning Agent will verify that pre-function checks have been done and systems are ready for Functional Testing.

5. Commissioning Schedule. Coordinate the commissioning work and, with the contractor, ensure that commissioning activities are being scheduled and integrated into the master construction schedule. Approximately two months prior to scheduled Installation Verification and Start-up, the Commissioning Agent will facilitate a meeting with the construction contractors to review the construction progress and integrate commissioning milestones into the construction schedule. During that meeting, the installation contractors will present their equipment start-up plans as required by the contract specifications. At least once monthly, thereafter, the Commissioning Agent will facilitate follow-on meetings to update the milestones.
6. Prepare a Contract Summary. The Contract Summary is a list of tests, certifications, deliverables, warranties, spare parts, etc. required by the plans and specification. Each item on list shall reference a document location (e.g. specification section and page number). The summary is intended to give contractors "heads up" to particular requirements of the project. The Commissioning Agent will coordinate with the Construction Manager to ensure all items in the Contract Summary are incorporated into the Construction Submittal Log.

7. Training Plan. The Commissioning Agent will coordinate with the Owner’s building operators to prepare a detailed training plan. The plan will specify training sessions to cover every aspect of system maintenance and operation. The plan will ensure a comprehensive training program is provided. The Plan will include three tiers of training. The Tier 1 Training is systems overview training provided by the Design Professionals and the Commissioning Agent. Tier 2 training is training provided by the installation contractor. Tier 3 training is training provided by the manufacturer's representative. The Commissioning Agent will coordinate with the Design Professionals in developing the Tier 1 training agenda.

8. Chair Commissioning Meetings. Plan and conduct commissioning meetings as needed and distribute minutes to the commissioning team. The initial Commissioning Kick-Off Meeting will be scheduled within 60 days of the construction award. At a minimum, thereafter monthly commissioning meetings will be held to discuss such issues as system/equipment start-up, outstanding issues from commissioning site visits, schedule coordination, testing documentation, training, deficiencies and problem resolution. The frequency of the commissioning meetings shall increase as construction advances and systems become operational. Commissioning meeting will be scheduled during normally scheduled site observation visits. Commissioning Meeting Minutes will be published and distributed within three (3) business days of the meeting.

9. Review Contractor Submittals. The Commissioning Agent will review Contractor submittals for equipment and systems included in the Commissioning Program. This review will be done concurrent with the Design Professional’s review. Commissioning Agent review comments will be provided to the Design Professional for inclusion in the submittal review comments. The Commissioning Agent shall provide review comments within seven (7) business days of receipt of the submittal.

10. Site Observation Visits. Prior to the commencement of Functional Performance Testing, perform site observation visits, as necessary, to observe component and system installations. Attend selected job-site progress meetings to obtain information on construction progress. Assist in resolving any discrepancies. Conduct Commissioning Meetings as appropriate during the site visit. The scheduling of the visits, when feasible, will coincide with scheduled field testing such as HVAC piping pressure tests, piping flushing and cleaning, duct leakage tests, electrical acceptance tests, etc. Also site visits will be scheduled to witness critical system start-up activities.

The Commissioning Agent will prepare a site visit report after each visit to identify construction activities observed, discussions/decisions made, and issues identified during the visit and status of open issues from previous visits. Site Visit reports will be distributed by the Commissioning Agent within three (3) business days of the visit.
ACCEPTANCE PHASE

1. Functional Performance Testing. Satisfactory completion of functional performance testing (minimum of 14 days continuous operation without a priority alarm) is a requirement for substantial completion. Coordinate witness and document functional performance tests performed by installation contractors. The functional testing shall include operating the system and components through each of the written sequences of operation, and other significant modes and sequences, including start-up, shutdown, unoccupied mode, manual mode, staging, miscellaneous alarms, power failure, security alarm when impacted and interlocks with other systems or equipment. Sensor and actuators shall be calibrated by the Contractor during their Installation Verification and Start-Up Checklist activities, and spot checked by the Commissioning Agent during functional testing. Separate Functional Testing Discrepancy Reports will be issued and distributed by the Commissioning Agent within one (1) business day of the testing.

Testing on environmental systems shall be executed during both the heating and cooling season.

The testing activities should result in repeatable performance and conformance to operational expectations. Some retesting is expected during the acceptance phase. However, significant level of retesting is not considered within the scope of the basic services. For the purposes of this contract, the Commissioning Agent is to assume that partial retesting to confirm correction of deficiencies will be required on all systems.

2. Execution of Training Plan. The Commissioning Agent will assist the Owner and Construction Manager in the scheduling and execution of the Training Plan. The Commissioning Agent will participate in Tier 1 training.

3. Track Commissioning Deficiencies. The Commissioning Agent will track efforts of the Contractor and / or Design Professional in addressing functional test discrepancies to satisfactory closure.

WARRANTY PERIOD

1. Track Commissioning Deficiencies. Continue to monitor the progress in satisfactorily addressing commissioning deficiencies.

2. Perform a limited review of the record drawings and comment on findings

3. Opposite Season Testing. Coordinate and supervise required opposite season or deferred testing. Review and document the Building Automation System trend data during appropriate seasonal conditions and within the 8th and 9th months of the warranty period. Provide documentation and results as a supplement to the Commissioning Record.

4. Compile a Commissioning Record. Within thirty days of the Project Substantial Completion Date, compile a Commissioning Record, that shall include:
   a. An Executive Summary that outlines the Commissioning Program by system. For each system the following should be commented on:
      i. A brief description of the system and the list of system set points
      ii. A summary of test results including dates of testing
      iii. Outstanding issues resulting from both site observation issues and functional performance test discrepancy reports.
      iv. A disposition of the Commissioning Agent regarding the adequacy of the equipment, documentation and training meeting the design documents and the basis of design.
b. As separate Tabs in the report, include the supporting commissioning documentation such as issues log, commissioning plan, progress reports, submittal and O&M manual reviews, training records, installation verification and start-up checks, functional performance test documentation, trend logs and analysis, etc.

c. Include both a hard copy and electronic version of the functional performance testing protocols for use by the Owner for future recommissioning.

5. Systems Concepts and Operations Manual. Within forty-five days of Project Substantial Completion, compile a Systems Concepts and Operations Manual for each system included in the Commissioning Program. At a minimum the individual manuals shall consist of the following:
   a. Owner’s Objectives (by Owner)
   b. Design Narrative and Basis of Design (by Design Professionals)
   c. Single line diagram for the system (by Designer)
   d. Controls drawings, sequences of control (by Contractor)
   e. Table of all set points and implications when changing them (by Commissioning Agent)
   f. Schedules, instructions for operation of equipment for emergencies, seasonal adjustments, start-up and shutdown (by Commissioning Agent)
   g. Instructions for energy savings operations and descriptions of the energy savings strategies (by Commissioning Agent)
   h. Recommendations for recommissioning frequency by equipment type (by Commissioning Agent)
   i. Recommended standard trend logs with a brief description of what to look for in them (by Commissioning Agent)


7. Near End-Of Warranty Site Visit. Upon the Owner’s discretion, return to the site at the 10th month of the Warranty Period to review with facility staff the current building operation and the condition of outstanding issues related to the original and seasonal commissioning. Also interview facility staff and identify problems or concerns they have with operating the building as originally intended. Make suggestions for improvements and for recording these changes in the O&M Manuals. Identify areas that may come under warranty or under the original construction contract. Assist facility staff in developing reports and documents and requests for services to remedy outstanding issues.

B. SYSTEMS TO BE COMMISSIONED

The following systems and assemblies will be commissioned:

HVAC SYSTEMS
   Air Handling Units
   Air Handling Unit Humidifiers
   Supply Fans (Separate from AHU SF’s)
   Return Fans Smoke purge fans (Separate from AHU RF’s)
   VAV Zone Temperature/Humidity Control Systems
   Split AC Units
   Toilet Exhaust Fans
   General Exhaust Fans
   Isolation Exhaust Fans
   Smoke system isolation dampers
   Chilled beam cooling units and process cooling systems
   Chilled water pumps Primary & Secondary
Cabinet Unit heaters
Hot Water Unit Heaters
TAB Verification
Building Automation System
Heat Pipes
Evaporative Cooling Systems
Fan-coil units
Transfer from normal to emergency to normal power
Heating and re-heat coils
Domestic water water systems shop drawing review

LIFE SAFETY SYSTEMS
  Fire Pumps
  Building Fire Protection System
  Building Fire Detection and Alarm System

EMERGENCY POWER AND UPS SYSTEMS
  Emergency Power and Lighting Systems
  Emergency Generator
  Uninterruptible Power Supply
  Automatic Transfer Switches

NORMAL POWER DISTRIBUTION SYSTEMS
  Electrical HV Switchgear and Power Management System
  Automatic Transfer Switches
  Panelboards

LIGHTING CONTROL SYSTEMS
  Lighting Control
  Lighting system (stage/control booth)

COMMUNICATION AND PAGING SYSTEMS
  Sound system

OTHER SYSTEMS
  Building Envelope
  Roof System
  Acoustic systems (auditorium, noise and vibration control)

Instructions to Respondents

In order to be considered, Statements of Qualification must be received via email to jspezzano@lccc.wy.edu by 3:00 p.m. November 5, 2019. Selection will be in accord with Wyoming Law (W.S. 9-2-1027 through 9-2-1033). Firms must also comply with W.S. 33-4-101 through 33-4-117 and 33-29-114 through 33-29-139.

It is the responsibility of the Respondent to ensure that their responses are received as directed about on or before the submission date and time.

Response to any Respondent's inquiries will be made by LCCC Office in a timely manner to all known prospective Respondents. All inquiries must be sent via email to jspezzano@lccc.wy.edu
CLARIFICATIONS OR SUPPLEMENT TO REQUEST FOR QUALIFICATION: In the event that it becomes necessary to revise any part of this RFQ, clarifications will be via Public Purchase and emailed to each Respondent who received the original RFQ. It is the responsibility of respondents, prior to submission date, to inquire as to addenda issued and to ensure their response reflects any and all changes.

INCURRING COSTS: LCCC is not liable for any cost incurred by respondents prior to issuance of a legally executed contract. No property interest, of any nature, shall accrue until a contract is awarded and signed by all concerned parties.

RFQ CANCELLATION: LCCC reserves the right to cancel this Request for Professional Services at any time, without penalty.

MINORITY PARTICIPATION: It is LCCC’s goal to maximize participation of minorities in the process. Accordingly, minority enterprises are to be utilized when possible. By the submission the respondent shall agree to utilize the maximum amount of minority business firms that the respondent finds to be consistent with the efficient performance of any resulting contract.

NON-DISCRIMINATION: The respondent shall comply with all applicable state and federal laws, rules and regulations involving non-discrimination on the basis of race, color, religion, national origin, age, sex, or sexual orientation.

AVAILABILITY OF FUNDS: Financial obligations of LCCC payable after the current fiscal year are contingent upon funds for that purpose being appropriated, budgeted, and otherwise made available. In the event funds are not appropriated, any resulting contract will become null and void, without penalty to the Laramie County Community College.

PREFERRED QUALIFICATIONS
Demonstrate that the designated Commissioning Authority satisfies the following requirement:
- LCCC will require the managing professional/project managers to be licensed or registered in Wyoming prior to execution of a contract. Respondents should provide assurance that each managing team member will be able to expediently secure Wyoming license/registration.
- Acted as the principal commissioning authority for at least five projects of comparable size, type and scope in the past 5 years, including, but not limited to Higher Education Laboratory projects.
- Specialize in commissioning, with the bulk of firm revenue from commissioning for the past 5 years.
- Employ full time mechanical and electrical engineering and technical staff, who will constitute the commissioning team for this project.
- Extensive experience in the operation and troubleshooting of HVAC systems and energy management control systems.
- Extensive field experience. A minimum of five (5) full years in this type of work is required.
- Knowledgeable in building operation and maintenance and O&M training.
- Knowledgeable in national building & fire codes as well as water-based fire extinguishing systems, detection systems and alarms systems.
- Knowledgeable in test and balance of both air and water systems.
- Extensive experience in energy-efficient system design and control strategy optimization.
- Demonstrated experience with total building commissioning approach including building envelope, data and communication systems and other specialty systems.
- Direct experience in monitoring and analyzing system operation using energy management control system trending and stand-alone data logging equipment.
- Excellent verbal and writing communication skills. Highly organized and able to work with both management and trade contractors.
• Experienced in writing commissioning specifications.
• A Wyoming Professional Engineer, registered in a relevant discipline.

The required expertise for this project will be based on the skill and experience set of the full team included in the Statement of Qualifications. A member of the prime firm will be the designated commissioning authority who is the member of the team that will coordinate the commissioning activities from the technical perspective. This party may not necessarily be the team’s overall project or contract manager. The commissioning authority must have significant in-building commissioning experience, including technical and management expertise on projects of similar scope. If the commissioning authority or prime firm does not have sufficient skills to commission a specific system, the prime firm shall subcontract with a qualified party to do so. Subcontractor qualifications shall be included and clearly designated in the response to this scope of work.

STATEMENT OF QUALIFICATIONS

SOQs need not be voluminous, but shall provide sufficient information to allow the owner to evaluate the consultant’s approach, experience, staff and availability. The proposer shall:

1. Limit their SOQ to 20 single-sided pages, including graphics. A letter of introduction, section dividers, detailed resumes and the sample work products are not included in this limit.
2. Have the SOQ signed by an officer of the proposing firm with the authority to commit the firm.
3. Fill out the attached Commissioning Firm Experience form and the Commissioning Task Listing form (Exhibits 1 and 2) for each firm on the team. List no more than four projects in Exhibit 2.
4. List the individual(s) who will serve as the lead CxA for the design phase and for the construction phase of the contract.
5. Provide resumes for key staff and subconsultants. The resumes shall include specific information about expertise in commissioning tasks, (e.g. design reviews, specification writing, commissioning management, troubleshooting, test writing, test execution, energy management, sustainable design, etc.).
6. Briefly describe “relevant” experience (project phasing, life cycle costing, testing, adjusting and balancing, building simulation, IAQ, campus projects, etc.) of the proposer’s team in the following areas. List involvement of key team members.
   a) projects similar to this one
   b) O&M experience
   c) energy-efficient equipment design and control strategy optimization
   d) project and construction management
   e) system design (specify)
   f) troubleshooting
7. Describe your proposed approach to managing the project expertly and efficiently, including distribution of tasks, travel, and duration of which staff will be on site during what periods of time, etc. Describe how you intend to determine the appropriate level of commissioning effort for the various systems and equipment.
8. As an attachment, provide the following work products that members of the proposer’s team developed. List the team member who actually wrote the document and the projects on which they were used. Work from the designated CxA is preferred.
   a) An executed sample commissioning plan
   b) an actual functional test procedure form that was executed
9. Provide a statement of proposer’s liability insurance coverage (type, and dollar amount of coverage). Proof of this insurance will be required prior to the award of this contract.
10. Provide a cost proposal not to exceed amount for proposed CxA services for the project.
EVALUATION

LCCC will evaluate statements of qualifications and performance data of firms considered qualified to perform the required professional services. Consideration in each selection process will be based upon the ability of professional personnel, past performance, willingness to meet time requirements, location, residency, current and projected workloads, the volume of work previously awarded to the firm by LCCC.

The selection of firm or firm(s) for services will be by ranking firms based upon the qualification response and interviews, if required. If reasonable compensation cannot be negotiated with the first ranked firm, then negotiations will be terminated. Negotiations will then begin with the second ranked firm, then the third ranked firm, if necessary.
Exhibit 1: Commissioning Firm Experience
Fill Out A Separate Form For Each Firm On The Team

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Contact Person</th>
<th>Title</th>
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<table>
<thead>
<tr>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>Zip/Postal Code</th>
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<table>
<thead>
<tr>
<th>Telephone</th>
<th>Fax</th>
<th>E-Mail</th>
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Description of Business

Commissioning Activities

Percentage of overall business devoted to commissioning services: ________%
How long has the firm offered commissioning services: ________ years
Average number of commissioning projects performed each year: ________ projects

Number of registered engineers on staff who have directed commissioning projects: ________

The firm has provided commissioning services in the following: (check all that apply)

<table>
<thead>
<tr>
<th>Building Sector</th>
<th>New Construction or Major Renovation</th>
<th>Existing Building Retro/Re</th>
<th>Equipment Replacement</th>
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<tbody>
<tr>
<td>Office or retail</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
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<tr>
<td>Hospitals</td>
<td>☐</td>
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<tr>
<td>Assisted Living</td>
<td>☐</td>
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<tr>
<td>Educational Buildings, K-12</td>
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<tr>
<td>Educational Buildings, Higher Ed</td>
<td>☐</td>
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<tr>
<td>Laboratories</td>
<td>☐</td>
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<tr>
<td>Multi Family</td>
<td>☐</td>
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<tr>
<td>Industrial / Manufacturing</td>
<td>☐</td>
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<tr>
<td>Special purpose–prisons, museums, libraries, etc.</td>
<td>☐</td>
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<tr>
<td>Other; Describe</td>
<td>☐</td>
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</table>
### Exhibit 2: Commissioning Task Experience for Similar Projects
Fill Out A Separate Form For Each Firm On The Team

<table>
<thead>
<tr>
<th>Project</th>
<th>Owner Contact</th>
<th>Name &amp; Role of Persons(s) Assigned to Project by Firm</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Name, Date, Bldg Size, Type, new or existing)</td>
<td>(Title, City, State, Phone &amp; email)</td>
<td>(identify any sub-consultants)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Task</th>
<th>✓</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Developed Owner’s Project Requirements</td>
<td></td>
<td></td>
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<tr>
<td>Wrote commissioning plan</td>
<td></td>
<td></td>
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<tr>
<td>Wrote commissioning specs</td>
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<tr>
<td>Wrote construction checklists</td>
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<tr>
<td>Wrote functional test procedures</td>
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<tr>
<td>Witnessed and documented functional tests</td>
<td></td>
<td></td>
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<tr>
<td>Performed functional tests (hands-on)</td>
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<td>Wrote systems manual</td>
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<td>Used data loggers or EMS trend logs for testing</td>
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<tr>
<td>Developed or approved staff training</td>
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<tr>
<td>Reviewed completed O&amp;M manuals</td>
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</table>
**Management**

- Commissioning provider was part of the firm
- Supervised a sub-consultant commissioning provider to our firm.
- Worked with a commissioning provider hired by others

<table>
<thead>
<tr>
<th><strong>System or Equipment</strong></th>
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<tbody>
<tr>
<td>✓ Central building automation system</td>
</tr>
<tr>
<td>✓ All equipment of the heating, ventilating and air conditioning systems</td>
</tr>
<tr>
<td>✓ Enhanced Filtration Units</td>
</tr>
<tr>
<td>✓ Scheduled or occupancy sensor lighting controls</td>
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<tr>
<td>✓ Daylight dimming controls</td>
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<tr>
<td>✓ Refrigeration systems</td>
</tr>
<tr>
<td>✓ Emergency power generators and automatic transfer switching</td>
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<tr>
<td>✓ Uninterruptible power supply systems</td>
</tr>
<tr>
<td>✓ Life safety systems (fire alarm, egress pressurization, fire protection)</td>
</tr>
<tr>
<td>☐ Electrical (service switchgear, switchboards, distribution panels, transformers, motor control centers, power monitoring and metering, transient voltage surge suppressors, variable speed drives, grounding and ground fault systems, over current protective devices, low voltage bussway, thermographic survey, white sound system).</td>
</tr>
<tr>
<td>☐ Domestic and process water pumping and mixing systems</td>
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<tr>
<td>☐ Equipment sound control systems and testing</td>
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<tr>
<td>☐ Data and communication</td>
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<tr>
<td>☐ Paging systems</td>
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<tr>
<td>☐ Security system</td>
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<td>☐ Irrigation</td>
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<tr>
<td>☐ Plumbing</td>
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<tr>
<td>☐ Vertical transport</td>
</tr>
<tr>
<td>☐ Building envelope including the different types of curtain wall assemblies (specify roofing, windows and doors, construction joints, etc.)</td>
</tr>
<tr>
<td>☐ Sustainability features</td>
</tr>
<tr>
<td>☐ Effluent decontamination systems</td>
</tr>
<tr>
<td>☐ Process instrumentation and controls</td>
</tr>
<tr>
<td>☐ Other: Describe as an attachment to this exhibit</td>
</tr>
</tbody>
</table>