

EXHIBIT B CONTRACTOR QUALITY CONTROL PLAN

CQC.01 Description. This work consists of obtaining and performing tests for Contractor quality control testing, compliance with plans and specifications, craftsmanship, providing inspection of Subcontractor work, and exercising management control to ensure that work conforms to the contract and code requirements.

CQC.02 Contractor Quality Control Plan (CQCP). The CQCP shall be provided by the Contractor and should be appropriately scaled to the project considering complexity, detail, size, safety, quality, and contractual obligations. Excessive testing is not anticipated. The Contractor is responsible for all work coordination, initial submittal evaluations, and third-party testing. A written CQCP shall be submitted to the Architect/Engineer at the pre-construction conference. The plan should include all required and suggested testing; Contractor inspections of quality compliance for installed work; critical work associated with operability, reliability, maintenance; life safety, and documentation to maintain the project schedule (such as: timely procurement, operational commissioning, administration reviews, and alike). Do not begin the work until the Quality Control Plan covering that work is accepted by the Architect/Engineer.

Submit the following with the Quality Control Plan:

- (A) Process Control Testing. List required and suggested testing, third-party test consultants, to be conducted, and the frequency of testing.
- (B) Inspection/Control Procedures. Address each of the following subjects in each phase of construction:
 - a. Preparatory Phase.
 - i. Review all contract requirements.
 - ii. Ensure compliance of component material to the contract requirements as may be required.
 - iii. Coordinate all submittals including certifications as may be required.
 - iv. Ensure capability of Contractor and Subcontractor equipment and personnel to comply with the contract requirements.
 - v. Ensure capability of Contractor and Subcontractor equipment and personnel to comply with the contract requirements.
 - vi. Ensure preliminary testing, as may be required, is accomplished.
 - vii. Coordinate surveying and staking of the work.
 - b. Start-Up Phase.
 - i. Review the contract requirements with Contractor and Subcontractor personnel who will perform the work.
 - ii. Inspect start-up of work.

- iii. Establish standards of workmanship.
 - iv. Provide on-the-job training, as may be required.
 - v. Establish detailed testing scheduled based on the work schedule.
- c. Construction Phase.
- i. Contractor shall conduct intermittent or continuous inspection during construction to identify and correct deficiencies.
 - ii. Inspect completed work before scheduled Architect/Engineer review and acceptance.
 - iii. Provide feedback and system changes to prevent repeated deficiencies.
- (C) Description of Records. List the records to be maintained.
- (D) Personnel Qualifications. The Contractor shall provide sufficient numbers of qualified personnel to perform all required CQCP efforts as required by the contract provisions. The Contractor shall furnish to the Architect/Engineer the name, authority, relevant experience, and qualifications of the person with overall responsibility for the Contractor inspection system.
- (E) Subcontractors. Include the work of all Subcontractors. If a Subcontractor is to perform work under this Section, detail how that Subcontractor will interface with the Contractor's and/or other Subcontractor's organization.
- (F) Modifications or additions may be required to any part of the plan that is not adequately covered. Supplement the plan as work progresses and whenever quality control or quality control personnel changes are made. Approval of the Quality Control Plan will be based on the inclusion of the required information. Approval does not imply any warranty by the Architect/Engineer that the plan will result in consistent contract compliance. It remains the responsibility of the Contractor to demonstrate such compliance.

CQC.03 Control Documentation and Record Keeping. The Contractor shall maintain documentation for all items requiring Contractor acceptance testing. The documentation shall identify the following:

- Project number;
- Contract item number;
- Test parameter(s);
- Upper and/or lower specification limit for each test parameter;
- Test results.

Documentation format, which is anticipated to be normally utilized company forms, shall be approved by the Architect/Engineer. The Contractor shall keep the testing and Contractor inspection schedules current.

The Contractor is responsible to maintain complete testing and inspection records and make them available to the Architect/Engineer and Owner. The documentation shall include the following certification signed by the person with overall responsibility for the Contractor inspection system:

'It is hereby certified that the information contained in this record is accurate and that all work documented herein complies with the requirements of the contract. Any exceptions to this certification are documented as a part of this record.'

Submit the record and certification to the Architect/Engineer within one working day of the work being performed. If the record is incomplete, in error, or otherwise misleading, a copy of the record will be returned to the Contractor with corrections noted. When chronic or missions occur, the Contractor is responsible to correct the procedures by which the records are produced.

CQC.04 Acceptance. The Architect/Engineer shall rely upon the Contractor's documentation related to testing, Contractor's inspection declarations, and provided documentation as to being correct and coordinated. If the Architect/Engineer identifies deficiencies in the Contractor's quality control system, they shall notification in writing to the Contractor and the Contractor shall provide their suggested actions to improve or correct the CQCP.

Work found by Architect/Engineer to be out of compliance with the project documentation (during or after construction), the CQCP, or the building code shall be noticed to the Contractor. The Contractor shall, at the earliest convenience, provide a plan of correction of the non-compliance, for the Architect/Engineer and Owner to approve.

CQC.05 Cost/Expense. Contractor quality control is a part of the work and is not optional.

- (A) The cost for the following is all part of the Contractor's fee:
- a. Obtaining samples
 - b. Performing testing
 - c. Providing inspection
 - d. Exercising management control
 - e. Reviewing and maintaining quality of Subcontractor work
 - f. Submitting a written Control Quality Plan
 - g. Maintaining applicable documentation/reports
 - h. Submitting the records and certifications
 - i. Labor, materials, tools, equipment, and incidentals

END OF SECTION