



FCC SUBCONTRACTOR QUALITY CONTROL PLAN OUTLINE

1. INTRODUCTION

This Construction Quality Control Plan (QCP) will be implemented by all subcontractors to ensure construction procedures are performed in compliance with the plans and specifications under this contract. This QCP will provide a means to maintain effective quality control at the Site. The quality control measures as presented herein include quality control organization; methods of performing, documenting, and enforcing quality control operations by the subcontractor (including inspection and testing); inspections to be performed; and protocol describing corrective actions. Overall management of the QCP will be the responsibility of the Subcontractor's Quality Control Officer (QCO). The QCO will be responsible for ensuring that all materials and work comply with the contract specifications.

2. IMPLEMENTATION

The QCO will be responsible for implementing the QCP by ensuring that quality materials and supplies are provided for the proposed project, and that good workmanship is provided in all aspects of this contract. The QCO will complete site inspections to ensure compliance with the quality control specifications. Reports will be completed listing all field testing and sampling activities as applicable. The QCO will be responsible for ensuring that all materials and work comply with the contract plans and specifications, and that all performance standards and/or industry standards are met.

3. DOCUMENTING

Subcontractor's QCO will submit confirmation of on site inspections of existing conditions prior to commencing and after completing each phase of its work via email to FCC PM and PX. The email must indicate time and date of each inspection with results noted as "complying" or "corrections to be made as noted"

4. SUBMITTALS

The QCO will follow required procedures concerning submittals, including the use of Procore. The QCO will be responsible for the review and approval of submittals prior to their submittal to Frankoski Construction. This includes reviews of materials and suppliers' catalog cuts, as well as subcontractor submittals. The QCO will review the submittal for completeness and compliance with the contract specifications. The QCO shall ensure that all submittals are approved and signed off on before ordering, fabricated, delivering, or installing material.

The QCO shall submit qualifications and/or certifications for any onsite personnel to demonstrate that they are qualified to perform the work. Upon request, QCO must furnish references listing relevant project experience for each worker to confirm suitability for performing work

5. INSPECTIONS

To ensure that all construction activities comply with the project specifications, the QCO will complete site inspections for each feature of work. These inspections will include the following:

- A. Preparatory Inspections will be performed by subcontractor QCO prior to beginning work on any definable feature of the project and will include:
 - a. Review of submittal requirements and all other Contract requirements with the performance of the work;
 - b. Check to assure that provisions have been made to provide required field quality control testing when applicable
 - c. Examine the work area to ensure that all preceding work has been completed and that substrates are plumb, level, true, and otherwise fit to receive work; This phase inspection is the time to notify Frankoski Construction of any preexisting issues. Any discrepancies relative to work quality must be addressed at this time. Any issues relating to this contractor's work resulting from existing construction issues will not excusable if they are not identified at this stage, and in no case shall the subcontractor "put good work over bad."
 - d. Verify all field dimensions and advise Frankoski Construction of any discrepancies;
 - e. Perform a physical examination of materials and equipment to assure that they conform to approved shop drawings or submittal data and that all required materials and/or equipment are on hand and comply with the Contract requirements. Subsequent to the preparatory inspection and prior to commencement of work, the Contractor shall instruct each applicable worker on the level of workmanship required to meet contract specifications.
- B. Initial phase inspections will be performed as soon as a representative portion of the particular feature of work has been accomplished. Initial inspections include, but are not limited to, examination of the quality of workmanship; review of control testing for compliance with control requirements; and identification of defective or damaged materials, omissions, and dimensional requirements. The initial phase inspection is the time to discuss and agree on the required level of quality associated with a given work activity. Any discrepancies relative to work quality should be addressed at this time.
- C. Follow-up inspections will be performed daily as work progresses to ensure continuing compliance with contract requirements, including control testing, until completion of the particular feature of work. Final follow-up inspections will be conducted and deficiencies corrected prior to beginning new work. The QCO will notify Frankoski Construction at least 2 full working days in advance of any inspections.
- D. When the Project is sufficiently complete, a tour to observe the affected area(s) shall be arranged by the QCO for Frankoski Construction and related parties. Based upon their observations, a Self Performed Punch List will be prepared by the QCO and submitted to Frankoski Construction to indicate any omission of materials, faulty workmanship, and any items to be completed, repaired, removed, or replaced, or further tested. Any omission from

the Punch List/s of incomplete or unsatisfactory items, does not waive the subcontractor's responsibilities to complete all of the Contract Work.

6. FIELD TESTING

When applicable, the subcontractor will conduct field-testing to verify that control measures are adequate to provide a product that conforms to contract requirements. Subcontractor QCO will

- A. Arrange for, schedule, or conduct, field testing in accordance with applicable test parameters (ASTM, etc).
- B. Verify that all tests are documented and submitted as part of quality control system reporting.
- C. Review all test documentation prior to submittal.

7. REVISIONS TO WORK

The subcontractor will be responsible for ensuring total compliance of field work to the project specifications. Should modifications or revisions to the specifications become necessary, the subcontractor will make the request, in writing, to Frankoski Construction. Approval from Frankoski construction must be received prior to allowing the modifications or revisions to be made in the field. The QCO will be informed of and record all such requests in his daily log and on the daily quality control report.

8. DEFECTIVE AND REMEDIAL WORK

Upon discovery of nonconforming or otherwise unsatisfactory work, FCC shall provide the QCO with written notice outlining the nature of defects or cause for rejection. Within 1 working day, the QCO shall provide a written remedial plan noting proposed corrective action(s) and schedule for remedial work. The subcontractor shall be responsible for all material and labor related to this corrective work including overtime costs when applicable to mitigate potential impacts to the overall project schedule.

9. PUNCH LIST

Upon completion of the project, any work by this trade appearing on the Architect/owner/Frankoski Construction's Punchlist shall be overseen by the QCO and completed with one week unless directed otherwise.