

SECTION 01400

QUALITY CONTROL

PART 1. GENERAL

1.01 SECTION INCLUDES

- A. Quality Assurance and Control of Installation
- B. References
- C. Field Samples
- D. Mock-Up
- E. Inspection and Testing Laboratory Services
- F. Manufacturers' Field Services and Reports

1.02 RELATED SECTIONS

- A. Section 01300 - Submittals: Submission of Manufacturers' Instructions and Certificates.
- B. Section 01600 - Material and Equipment: Requirements for Material and Product Quality.

1.03 QUALITY ASSURANCE/CONTROL OF INSTALLATION

- A. Monitor quality control over suppliers, manufacturers, products, services, site conditions, and workmanship to produce Work of specified quality.
- B. Comply fully with manufacturers' instructions including each step in sequence.
- C. Should manufacturers' instructions conflict with Contract Documents, request clarification from Authority before proceeding.
- D. Comply with specified standards as a minimum quality for the Work except when more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.
- E. Perform work by persons qualified to produce workmanship of specified quality.
- F. Secure products in place with positive anchorage devices designed and sized to withstand stresses, vibration, physical distortion or disfigurement.

1.04 REFERENCES

- A. Conform to reference standard by date of issue current on date for receiving bids.
- B. Obtain copies of standards when required by Contract Documents.
- A. Should specified reference standards conflict with Contract Documents, request clarification from Authority before proceeding.
- B. The contractual relationship of the parties to the Contract shall not be altered from the Contract Documents by mention or inference otherwise in any reference document.

1.05 FIELD SAMPLES

- A. Install field samples at the site as required by individual specifications Sections for review.
- B. Acceptable samples represent a quality level for the Work.
- C. Where field sample is specified in individual Sections to be removed, clear area after the field sample has been accepted by Authority.

1.06 MOCK-UP

- A. None.

1.07 INSPECTION AND TESTING LABORATORY SERVICES

- A. Authority will appoint, employ, and pay for services of Engineer to perform inspection and witness testing.
- B. The Contractor shall perform tests and other services specified in individual specification Sections and as required by the Authority.
- C. Reports will be submitted to the Authority in duplicate indicating observations and results of tests and indicating compliance or non-compliance with Contract Documents.
- D. Cooperate with Authority; furnish samples of materials, design mix, equipment, tools, storage and assistance as requested.
 - 1. Notify Authority 24 hours prior to expected time for operations requiring services.
 - 2. Make arrangements with independent firm and pay for additional samples and tests required for Contractor's use.
- E. Retesting required because of non-conformance to specified requirements shall be performed by an independent firm on instructions by the Authority. Payment for retesting will be charged to the Contractor by deducting inspection or testing charges from the Contract Sum/Price.

1.08 MANUFACTURERS' FIELD SERVICES AND REPORTS

- A. When specified in individual specification Sections, require material or product suppliers or manufacturers to provide qualified staff personnel to observe site conditions, conditions of surfaces and installation, quality of workmanship, start-up of equipment, test, adjust, and balance of equipment as applicable, and to initiate instructions when necessary.
- B. Individuals to report observations and site decisions or instructions given to applicators or installers that are supplemental or contrary to manufacturers' written instructions.
- C. Submit report in duplicate within 14 days of observation to Authority for review.

END OF SECTION