

STANDARD SPECIFICATIONS
SECTION 01450
QUALITY CONTROL

PART 1 GENERAL

1.1 DESCRIPTION

- A. Section includes general requirements relating to responsibility for quality control involving inspections, tests, certificates, and reports.

1.2 INSPECTIONS

- A. Engineer will provide 24 hours notice and may inspect materials and equipment at all stages of development or fabrication, and is allowed access to Contractor's and Supplier's shops.
 - 1. Notify Engineer of shift and production schedules and changes by manufacturer.
 - 2. On-site work may be subject to continual inspection.
 - 3. Inspection by Engineer will not release Contractor from responsibility or liability for material or equipment.
- B. When local codes or laws require approval and inspection of Work by other agencies or organizations before installation or operation, give Engineer 3 working days notice of readiness.
 - 1. Obtain required certificates of inspection, testing or approval and submit 1 signed original and 3 copies to Engineer.
- C. Engineer will inspect, before installation, Commission and Contractor furnished materials delivered directly to work sites and mark;
 - 1. Materials without inconsistencies or discrepancies with the Commission's logo.
 - 2. Materials not accepted "Rejected".
 - 3. At plant, Engineer witnessed and inspected Contractor furnished materials with in plant testing following above procedures.
- D. Engineer will not mark or remove previously marked logo on material with noncorrectable damages or deficiencies and deemed not suitable for work.
 - 1. Remove or repair non-accepted and damaged materials at Engineer's direction.

1.3 TESTING

- A. Shop or Factory Test: When material or equipment testing is required of manufacturer before shipment to Contract site, give Engineer minimum of 10 days written notice of appropriate time for required test.
 - 1. Ensure test site is safe, accessible, dry, ventilated and well lighted.

2. Do not proceed with installation of equipment until Engineer approves required test results.
- B. Field and Laboratory.
1. Provide field and laboratory testing facilities and personnel to perform required testing, including the following periodic inspections, engineering, and associated services.
 - a. Soils.
 - 1) Inspect and test for excavation suitability, placement, and compaction.
 - 2) Inspect subgrades and foundations.
 - b. Masonry.
 - 1) Sample and test mortar, bricks, and grout.
 - 2) Inspect brick and block samples.
 - 3) Sample wall panels.
 - 4) Inspect placement of reinforcement and grouting.
 - c. Concrete: Following Section 03300 to make cylinder samples and perform test on specimen cylinders.
 2. Provide 24 hours notice before specified testing.
 3. Engage laboratory testing facilities, where specified in Contract Documents, which have performed previous satisfactory work for the Commission, or are certified by the following, and are approved by Engineer before their use.
 - a. NIST National Voluntary Laboratory Accreditation Program (telephone: 301-975-4016).
 - b. Washington Area Council of Engineering Laboratories, Inc. (telephone: 301-652-7925).
- C. Equipment: Coordinated and demonstrated following procedures specified in Contract Documents.
- D. Pipeline and Other Testing: Following test procedures and requirements specified in appropriate Specification Sections.

1.4 REPORTS

- A. Certified Test Reports: Where Contract Documents require transcripts or certified test reports, meet the following requirements.
1. Before delivery of materials submit required transcripts, certified test reports required in referenced specifications or specified in Contract Documents and obtain Engineers approval of these documents.
 - a. Testing: Performed in approved independent or manufacturer's laboratory, within 1 year of submittal for approval.
 - b. Transcripts or test reports: Supplied with notarized letter signed by officer or authorized representative of manufacturer or supplier certifying that tested material meets specified requirements and is of specified type, quality, manufacture, and make.
 2. Reference to supplier's certification is limited to its fabricated materials.

B. Certificate of Compliance.

1. At Engineer's option or where specified, Contractor may submit for approval, notarized (notarization date to be within 12 months of submittal date) Certificate of Compliance from manufacturer or supplier, instead of specified tests and other tests required in reference documents.
 - a. Manufacturer or supplier has performed all required tests.
 - b. Materials to be supplied meet all test requirements.
 - c. Tests have been performed within 1 year of Certificate submittal.
 - d. Tested materials are of same type, quality, manufacture, and make as those specified in Contract Documents.
 - e. Identification of materials tested.
2. Certificate signed by officer or authorized representative of manufacturer or supplier.
 - a. Reference to supplier's certification is limited to its fabricated materials.
 - b. Do not deliver materials until receipt of Certificate approval.

C. Manufacturer's Certificates: Submitted for installation of items of equipment listed in Special Conditions.

1. It has been installed under either continuous or periodic supervision of manufacturer's authorized representative.
2. It has been adjusted and initially operated in presence of manufacturer's authorized representative
3. It is operating following specified requirements.

D. Materials List Furnished by Commission:

1. Submit completed Materials List for items to be used.

1.5 MANUFACTURER SERVICES

- A. Manufacturer services, when required, are specified in appropriate Specification Sections.

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

NOT USED

PART 4 MEASUREMENT AND PAYMENT

- 4.1 Providing for and complying with requirements in this Section will not be measured for payment, but cost will be considered incidental to Contract.

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