

01020 Testing Laboratory Services**Index**

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01020-1 General**1.1 Description**

This section establishes general requirements for testing to be performed by testing laboratory designated by the Engineer.

1.2 Related Requirements Specified Elsewhere

Particular requirements for inspection and testing are specified under various specification sections.

1.3 Appointment, Payment and Requirements**1.3.1 Owner and Exceptions**

The Owner will appoint and pay for services of a testing laboratory except for the following:

1. Inspection and testing required by laws, ordinances, rules regulations or orders of public authorities.
2. Inspection and testing performed exclusively for Contractor's convenience.
3. Testing, adjustment and balancing of conveying systems, mechanical and electrical equipment and systems.
4. Mill tests and certificates of compliance.
5. Tests specified to be carried out by Contractor under the supervision of the Engineer.
6. Additional tests specified in Subsection 1.3.2 *Additional Tests*.

1.3.2 Additional Tests

Where tests or inspections by designated testing laboratory reveal work not in accordance with contract requirements, the Contractor shall pay costs for additional tests or inspections as Engineer may require to verify acceptability of corrected work. Costs for additional testing will be deducted from Contractor's monthly payment certificates.

1.4 Measurement for Payment

No separate measurement to be made for work this section, work is incidental to project costs.

01020-2 Execution**2.1 Contractor's Responsibilities**

1. Furnish labour and facilities to:
 - a. Provide access to work to be inspected and tested.
 - b. Facilitate inspections and tests.
 - c. Make good work disturbed by inspection and test.
 - d. Provide storage on-site for laboratory's exclusive use to store equipment and cure test samples.
2. Notify the Engineer sufficiently in advance of operations to allow for assignment of laboratory personnel and scheduling tests.
3. Where materials are specified to be tested, deliver representative samples in required quantity to testing laboratory.
4. Pay costs for uncovering and making good work that is covered before required inspection or testing is completed and approved by the Engineer.

2.2 Frequency and Evaluation of Testing

When not specified separately, frequency of testing to be as directed by the Engineer.

Where not specified separately, the Contractor shall cease operation until corrections to his production process are corrected if any of the following criteria are not met:

1. Average of all tests to equal or exceed specification.
2. Not more than 10% of all tests to be below specification.
3. Average of 3 consecutive tests to equal or exceed specification.
4. Individual test result to equal or exceed 90% of specification.

End of Specification 01020