

**SECTION 01 45 24
STRUCTURAL SPECIAL INSPECTIONS**

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Section summarizes the responsibility of the Contractor and the Special Inspector in the performance of the special inspections required in the Construction Documents.
- B. Neither the observation of the Architect/Structural Engineer in the administration of the contract, nor tests/inspections by the Special Inspector, nor approvals by persons other than the Architect/Structural Engineer shall relieve the Contractor from his obligation to perform the Work in accordance with the Construction Documents.

1.02 RELATED SECTIONS

- A. Section 013324 - Structural Submittals.
- B. Section 014529 – Testing laboratory Services

1.03 REFERENCES

- A. ASTM E329 – Standard Specification for Agencies Engaged in Construction Inspection and/or Testing.
- B. American Council of Independent Laboratories – Recommended Requirements for Independent Laboratories Qualifications.

1.04 SELECTION AND PAYMENT

- A. Contractor will employ and pay for the structural testing/inspection services that are required by the Construction Documents.
- B. Contractor shall pay for any additional structural testing/inspection required for Work or materials not complying with Construction Documents due to negligence or nonconformance.
- C. Contractor shall pay for any additional structural testing/inspection required for his convenience.

1.05 STRUCTURAL TESTING/INSPECTION REQUIREMENT SUMMARY

- A. Refer to the Structural Quality Assurance Plan in the Structural Drawings for the required tests/inspections.

PART 2 - MATERIALS

Not Used.

PART 3 - EXECUTION

3.01 STRUCTURAL PRECONSTRUCTION MEETING

- A. A structural preconstruction meeting may be conducted at the construction site by the Structural Engineer to discuss quality issues. The parties involved may be the Architect, Contractor, Special Inspector, appropriate subcontractors, suppliers, and detailers.

3.02 SPECIAL INSPECTOR'S RESPONSIBILITIES

- A. Cooperate with the Contractor and provide timely service.
- B. Upon arriving at the construction site, sign in and notify the Contractor of presence.
- C. Select the representative samples that are to be tested/inspected.
- D. Perform tests/inspections as outlined in Construction Documents, the applicable codes, and as directed by the Structural Engineer.
- E. Report results of tests/inspections in accordance with the Construction Documents and the Building Code. Work and materials not complying with Construction Documents shall be immediately reported to the Contractor and Structural Engineer.
- F. Leave copies of field notes with the Contractor prior to leaving the construction site. Field notes shall include the message given to the Contractor, date, time of message, name of Contractor's representative informed, type and location of Work or materials tested/inspected, whether the work or materials complies with Construction Documents and name of the Structural Testing/Inspection Agency's representative.
- G. Report and distribute results of tests/inspections promptly in the form of written reports as directed by the Structural Engineer.
- H. Special Inspector shall not alter requirements of Construction Documents, approve or reject any portion of the Work, or perform duties of the Contractor.
- I. Submit written confirmation at end of construction that, to the best of their knowledge, the structural Work conforms to the Construction Documents.

3.03 CONTRACTOR'S RESPONSIBILITIES

- A. Provide copy of Construction Documents to the Special Inspector.
- B. Arrange the preconstruction meeting to discuss quality issues.
- C. Notify the Special Inspector sufficiently in advance of operations to allow assignment of personnel and scheduling of tests.
- D. Cooperate with Special Inspector and provide access to Work.
- E. Provide samples of materials to be tested in required quantities.
- F. Furnish copies of mill test reports when requested.

- G. Provide storage space for Special Inspector's exclusive use, such as for storing and curing concrete testing samples.
- H. Provide labor to assist the Special Inspector in performing tests/inspections.

3.04 OPTIONS

- A. If the Structural Testing/Inspection Agency is located at such a distance from the Project that travel expenses will be a consideration, or if the amount of sampling performed is minor, and by mutual agreement of the Architect/Structural Engineer and Contractor, the Contractor may be requested to take samples and forward them to the Structural Testing/Inspection Agency for testing/inspection.

END OF SECTION