

TESTING AND INSPECTION REQUIREMENTS
FOR
SCHOOL CONSTRUCTION

SCHOOL, HOSPITALS AND ESSENTIAL SERVICES BUILDINGS
TITLE 24, PART 2, CHAPTER 19
(1997 UBC AND 1998 CALIFORNIA BUILDING CODE)

TESTS

The Owner will select an independent testing laboratory to conduct the tests. Selection of the material required to be tested shall be by the laboratory or the Owner's representative and not by the Contractor.

The Contractor shall notify the Owner's representative a sufficient time in advance of the material to be tested to be furnished by the Contractor. Documents, which must be furnished to the testing laboratory, in order that the Owner may arrange for the testing of same at the source of supply.

Any material shipped by the Contractor from the source of supply prior to having satisfactorily passed such testing and inspection or prior to the receipt of notice from said representative that such testing and inspection will not be required shall not be incorporated in the job.

The Owner will select and pay testing laboratory costs for all tests and inspections, but may be reimbursed by the Contractor for such costs under the Contract documents.

TESTS REPORTS

One copy of all test reports shall be forwarded to the Division of the State Architect by the testing agency. Reports shall include all the tests made, regardless of whether the tests were passed or failed. Reports of special sampling operations as required shall also be reported. Reports shall show that the material or materials were sampled and tested in accordance with the requirements of Title 24 and with the approved specifications. Test reports shall show the specified design strength. They shall also state definitively whether or not the material or materials tested comply with requirements.

VERIFICATION OF TEST REPORTS

Each testing agency shall submit to the Division of the State Architect a verified report in duplicate covering all the tests which are required to be made by that agency during the progress of the project. Such report shall be furnished each time that work on the project is suspended, covering the tests up to that time, and at the completion of the project, covering all tests.

INSPECTION BY THE OWNER

The Owner and his representatives shall at all times have access for the purpose of inspection to all parts of the work and to the shops wherein the work is in preparation, and the Contractor shall at all times maintain proper facilities and provide safe access for such inspection.

TESTING AND INSPECTION

The Owner shall have the right to reject materials and workmanship which are defective, or to require their correction. Rejected workmanship shall be satisfactorily corrected and rejected materials shall be removed from the premises without charge to the Owner. If the Contractor does not correct such rejected work within a reasonable time, fixed by written notice, the Owner may correct same and charge the expense to the Contractor.

Should it be considered necessary or advisable by the Owner at any time before final acceptance of the entire work to make an examination of the work already completed by removing or tearing out the same, the Contractor shall on request promptly furnish all necessary facilities, labor and materials. If such work is found to be defective in any respect due to the fault of the Contractor or his subcontractor, he shall defray all expenses of such examinations and of satisfactory reconstruction. If, however, such work is found to be satisfactory, the contractor shall defray all expenses of such examinations and of satisfactory reconstruction. The examination and replacement shall be allowed the Contractor.

INSPECTOR - OWNER'S

An Inspector employed by the Owner in accordance with the requirements of the California Code of Regulations, Title 24, will be assigned to the work. His duties are specifically defined in Title 24, Part I, Sec. 4-342.

The work of construction in all stages of progress shall be subject to the personal continuous observation of the Inspector. He shall have free access to any or all parts of the work at any time. The Contractor shall furnish the Inspector reasonable facilities for obtaining such information as may be necessary to keep him fully informed respecting the progress and manner of the work and the character of the materials. Inspection of the work shall not relieve the Contractor from any obligation to fulfill this contract.

INSPECTOR - OWNER - FIELD OFFICE

The Contractor shall provide for the use of the Owner's Inspector a temporary office to be located as directed by the Inspector and to be maintained until removal is authorized by the Owner. This office shall be of substantial character and shall be equipped with a telephone, a table satisfactory for the study of plans and two chairs shall be provided by the Contractor. The Contractor shall provide and pay for adequate electric lights, private local telephone service with a loud exterior bell, and adequate heat for this field office until the completion of the contract.

Tests and inspection for the following will be required:

III. CONCRETE - STATE CHAPTER 19

A. MATERIALS

- 1. Portland Cement Tests - 1905 A.2, 1929 A.1
- 2. Concrete Aggregates - 1905 A.3
- 4. Reinforcing Bars - 1905 A.5, 1929 A.2

6. Batch Plant Inspection - 1929 A.4

7. Waiver of Batch Plant Inspection and Tests - 1928 A.5, 6

D. CONCRETE QUALITY

- 1. Proportions or Concrete - 1904 A, 1905 A.1 thru 5
- 2. Strength Tests of Concrete - 1905 A.6

C. CONCRETE INSPECTION

- 1. Job Site Inspection - 1905 A.7
- 2. Batch Plant or Weightmaster Inspection - 1929 A.4

TESTING & INSPECTION

C. CONCRETE INSPECTION (ctd.)

5. Reinforcing Bar Welding Inspection - 1929 A.12

IV. STEEL - STATE CHAPTER 20

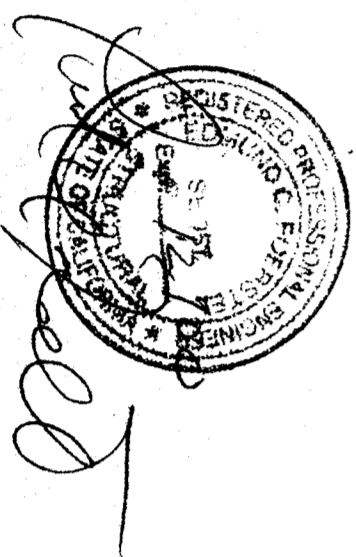
A. MATERIALS

- 1. Structural Steel, Cold Formed Steel - 2202 A.2, 2212 A.1
- 2. Material Identification - 2203 A

B. INSPECTION AND TESTS OF STRUCTURAL STEEL

- 1. Tests of Structural & Cold Formed Steel - 2231 A.1
- 2. Tests of High Strength Bolts, Nuts, Washers - 2212 A.2
- 4. Shop Fabrication Inspection - 2231 A.4
- 5. Welding Inspection - 2231 A.5
- 7. High Strength Bolt Inspection - 2231 A.6

VII. EXCAVATIONS, FOUNDATIONS & RETAINING WALLS - STATE CHAPTER A. EARTH FILL CONSTRUCTION - 1902 A



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JOB LOCATION

CUSTOMER

SCHOOL SHADE STRUCTURE
STATE OF CALIF. STD.
PC-249

IDENTIFICATION STAMP
NO. 106039
APPROVED BY: [Signature]
DATE: 10/15/99

IDENTIFICATION STAMP
NO. 106505
APPROVED BY: [Signature]
DATE: 10/15/99

3 OF 3 SHEETS