

Proposed Changes to New York City Building Code – Testing



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The CIB is proposing changes to the existing building code to reflect changes in the industry for concrete testing laboratories and the services they provide. The proposed changes include:

- Defining the tests performed on fresh concrete.
- The introduction of the Quality Control Manager at the batch plant.
- Minimum certification requirements for technicians at the laboratory.
- Required tests to be performed by the laboratory during the Cement and Concrete Reference Laboratory tour of inspection.

The proposed changes to the NYC Building Code related to testing follow:

Documentation Section

Revise to read “by concrete testing laboratory or by Batch Plant Quality Control Manager.” This revision conforms to the addition of the Quality Control Manager at the Batch Plant.

Licensed Concrete Testing Laboratories Section

Delete the word “strength” from the first sentence to indicate that the tests performed are not only for strength.

Revise to indicate that it is the NYC Buildings Department that will license the laboratory.

List the tests that are to be performed on fresh concrete as follows: “among other things, test for slump, entrained air content, unit weight, unit water content, air temperature.”

Delete the words “at the Batch Plant or at the job site” to indicate that the Batch Plant will not be a code-required inspection by the laboratory.

Revise to indicate that the Batch Plant Quality Control Manager, as well as the licensed concrete testing laboratory, can perform the tests to ensure the quality of the material and make any required changes due to

jobsite conditions, weather, etc.

Add wording to indicate that testing shall be performed by a certified laboratory technician or strength test technician.

Add reference standards promulgated by the Cement and Concrete Reference Laboratory (CCRL) to ensure that all licensed laboratories satisfactorily show their knowledge of tests on fresh concrete by performing them during CCRL inspection. The Buildings Department will not issue a license to laboratories that cannot perform these tests satisfactorily during the inspection.

Require that technicians performing tests of concrete and aggregates are a minimum of ACI laboratory certified, Level 1 to ensure that people performing tests are qualified to do so.

Require technicians performing strength tests of concrete and cement to possess a minimum of an ACI Strength Test Technician certification to ensure that the person testing concrete cylinders is qualified to do so. ■

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