

C O P Y

City of New York
DEPARTMENT OF BUILDINGS

Controlled Inspection
AC-Title C-Part 11-C26-106.3
AC-Title C-Part 11-C26-107.3

DIRECTIVE NO. 9/1969

TO: Borough Superintendents

DATE: Oct. 15, 1969

FROM: Julius W. Schneider, Director of Special Projects

SUBJECT: Controlled Inspection

The new Building Code requires that certain materials, operations and equipment shall be inspected or tested to verify compliance with code requirements under the provisions of "controlled inspection".

C26-106.3 and C26-107.3 of the code stipulates that all required inspections and tests of such materials and equipment shall be made or witnessed by or under the direct supervision of an architect or engineer employed by the owner and acceptable to the architect or engineer of record.

Moreover, according to C26-110.2 and C26-111.2 all equipment, materials, assemblies, forms, or methods of construction subject to "controlled inspection" are required to be listed on the title sheet or the sheet immediately following of plans submitted with new building or alteration applications.

Attached is a list of those items subject to "controlled inspection".

(signed)

Julius W. Schneider
Director of Special Projects

VII - FOUNDATIONS

1. Inspection of boring operations. C26-1112.2
2. Inspection of piling including load tests, C26-1112.3
3. Inspection of subgrade for footings, foundation piers, and foundation walls (notification to department at least 2 days prior to installation required unless department inspection is waived under C26-120.5), C26-1112.5,
4. Inspection of underpinning operations, construction and excavation of temporary or permanent cofferdams, caissons, braced excavated surfaces and other constructions or excavations affecting support of adjacent properties or buildings. (Plans required), C26-1112.6
5. Evaluation of laboratory field tests for the verification of the magnitude of stabilized overburden pressure, C26-1103.4 (b), (c)
6. Supervision of the placing of controlled fills, C26-1103.5 (a) (1) (Note that where foundation is to rest on, or be underlain by, nominally unsatisfactory bearing materials, a report based on soil tests, foundation analysis (including analysis of undisturbed samples), by architect or engineer is required, C26-1103.5, C26-1103.5 (b) (2)).
7. Inspection of soil load bearing tests, C26-1104.1

VII - FIRE PROTECTION

Inspection of the installation of all required fire stopping, C26-504.7 (c).

IX - MECHANICAL VENTILATION, AIR CONDITIONING, AND REFRIGERATION

1. Inspection and tests of a required ventilating system, C26-1301.2 (a)
2. Inspection and tests of a refrigeration system. (engineer or architect does not have to be in the employ of the owner), C26-1301.4 (a).

X - HEATING AND COMBUSTION EQUIPMENT

1. Final inspections and tests of boilers (such inspections and tests, however, may be made by department inspectors or by insurance company inspectors), C26-1401.1 (a)

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3. Inspection of the tensioning of high strength bolts where stresses in bolts are 50% or more of basic allowable values, Table 10-2.

4. Inspection of the connection of fittings to wire cables, except where proof-loaded to not less than 55% ultimate capacity, Table 10-2.

III - ALUMINUM

1. Inspection of welding operations where stresses in welds are 50% or more of basic allowable values, Table 10-2.

2. Check of welders' licenses or qualifications in accordance with C26-1007.3 (b) (2), C26-1007.3 (b) (4).

IV - WOOD

1. Inspection of the fabrication of glued-laminated assemblies and of plywood components, Table 10-2.

2. Check of sizes of members, of fit, and of gluing operations for glued-laminated assemblies, C26-1006.4.

V - REINFORCED MASONRY (Table 10-2, Article 10 of Building Code)

1. Inspection of fabrication of prefabricated units,
2. Inspection of placement and bedding of units,
3. Check of sizes of members, including thickness of walls and wythes,
4. Check of sizes of columns,
5. Check of sizes and position of reinforcement in place,
6. Inspection for means of protection against freezing.
7. Inspection of provisions for curing.

VI - UNREINFORCED MASONRY (based on structural analysis, RS10-1, Section 4-Table 10-2, Article 10 of Building Code).

1. Inspection of placement and bedding of units.
 2. Check of sizes of members including thickness of walls and wythes.
 3. Check of sizes of columns
 4. Inspection of provisions for curing
 5. Inspection of means of protection against freezing.
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7. Inspection of soil load bearing tests, C26-1104.1

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XI- CHIMNEYS

1. Performance of smoke test (when required by commissioner and applicant does not choose to have test supervised representative of department) C26-1501.1(e)
2. Inspection of the installation of firestepping of spaces between chimneys and weed joists, beams, or headers, C26-1501.12(d), C26-504.7(g)

XII- FIRE EXTINGUISHING EQUIPMENT

1. Inspections and tests of standpipes (subject to controlled inspection if applicant does not choose to have tests witnessed by representative of department), C26-1702.20(c).
2. Inspections and tests of sprinkler systems (subject to controlled inspection if applicant does not choose to have tests witnessed by representative of department), C26-1703.14, C26-1702.20(c).

XIII- MATERIALS, ASSEMBLIES FORMS AND METHODS OF CONSTRUCTION

CODE TEST METHOD Whenever the Building Code prescribes a method of testing such tests shall be made under the supervision of an architect or an engineer; or by a testing service or laboratory acceptable to the commissioner, C26-106.2(a)(1)

XIV- INSPECTIONS DURING PROGRESS OF WORK

The commissioner may accept signed statements by architects and engineers and supporting inspection and test reports without verifying inspection or test by department inspectors, C26-120.5.

XV- FINAL INSPECTION

The architect, engineer, or other person who supervised or superintended the work is required to be present at final inspection by department, C26-120.6.

XVI- HEATING AND COMBUSTION EQUIPMENT

1. Final inspections and tests of boilers (such inspections and tests, however, may be made by department inspectors or by insurance company inspectors), C26-1401.1(a)
2. Application for equipment use permit for heating system to be accompanied by a statement by architect or engineer indicating compliance with code temperature requirements, etc. (C26-117.3)