

TOWN OF CLARENCE BUILDING DEPARTMENT

Date: March 9, 2004

To: All applicants for Building Permits for residential construction

From: Joseph D. Latona, P.E., Town Engineer
Building Department Head

Re: Concrete testing and cold weather concreting in association with the Residential Code of New York State

This requirement is applicable to all construction in association with building permits that are filed after February 13, 2004.

Concrete cylinder testing will be required from November 1 to April 1 along with "batch tickets." From April 1 to November 1 "batch tickets" indicating concrete strength along with an indication of pumped concrete, if used, will be required.

The Residential Code of New York State (the Residential Code) requires the specified compressive strength of concrete, including weathering potential, to meet certain minimum standards. Those standards can be found in Section R402.2 and Table R402.2 of Residential Code. The standards are applicable to the following groups:

1. Basement wall, foundations and other concrete not exposed to the weather
2. Basement slabs and interior slabs on grade, except garage floor slabs
3. Basement walls, foundation walls, exterior walls and other vertical concrete work exposed to the weather
4. Porches, carport slabs and steps exposed to the weather, and garage floor slabs

For groups 1 and 3 mentioned above,

The Town of Clarence Building Department is requiring a minimum of one (1) cylinder for seven (7) day and one (1) cylinder for twenty-eight (28) day compressive strength for both the footing and the wall to be tested. Concrete subject to freezing and thawing during construction shall be air-entrained concrete in accordance with Table R402.2.

For groups 1 through 4, this department shall be provided with "batch tickets" from the concrete supplier and for groups 1 and 3 test cylinder results directly from the acceptable testing agency. This procedure will be followed for each instance where concrete has been installed at a job site.

Until this department receives the test results, "batch tickets", and compliance with applicable code requirements has been determined, this department will not issue a Certificate of Occupancy or a Certificate of Compliance for the work that was performed in association with an issued permit.

If the test results indicate noncompliance with applicable code or construction requirements, an acceptable code compliant resolution of the problem will need to be achieved. This may involve the removal and replacement of the unacceptable concrete or a variance may need to be obtained from the New York State Department of State.

Test results and batch tickets shall be provided to this office as soon as possible after the concrete has been installed. If a problem is noted with respect to the test results or the batch tickets, you will need additional time to provide a solution to the problem prior to the issuance of a Certificate of Occupancy or a Certificate of Compliance.

In cold weather, care must be taken that foundations are not placed on frozen soil, nor shall such foundations be placed in freezing weather unless a method of ensuring that the underlying soil is free of frost is employed and the foundations are properly protected against the weather.