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Subject: Cold Weather Concrete Policy

Reference: 2006 IBC & ACI 318-05

References 2006 International Building Code & American Concrete Institute Publication 318-05

(1) Unless concrete is cured in accordance with American Concrete Institute Publication 318-05, section 5.11.3 (Accelerated curing), it shall be maintained above 50 degrees and in a moist condition for at least the first seven days of placement, except that high-early strength concrete shall be so maintained for at least the first three days. Supplementary strength tests in accordance with 2006 International Building Code, Section 1905.6.4 may be required to assure that curing is satisfactory.

(2) Only concrete that is prepared by recognized batch plant where Calcium Chloride, air-entraining or other suitable admixtures and the heating of water and aggregates can be adequately controlled can be placed in weather where the temperatures drop below 40 degrees.

(3) Adequate equipment shall be provided for protecting the concrete during freezing or near-freezing weather. All concrete materials and all reinforcement, forms, fillers and ground with which the concrete is to come in contact shall be free from frost. No frozen material or materials containing ice shall be used.

(4) It will be the responsibility of the Contractor to ascertain the weather forecast for at least three days following the placement of the concrete. When the temperatures are predicted to range below 40 degrees Fahrenheit, a heated enclosure or other approved methods of protection will be arranged with the Building Inspector.

EXCEPTIONS:

a) Footings for single family and duplex residences may be placed providing provision is made for immediately covering the footings with plastic and/or insulation batts, provide a source of heat, if necessary, sufficient to keep the concrete adequately warm even in zero weather.

b) Foundation walls for single family and duplex residences must be protected with plastic and/or insulation, provide a source of heat, if necessary, for a minimum period of three days following placement of the concrete.