



Community Development
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To: All contractors

Re: Cold Weather Concrete Pour

The following is a list of items regarding the placement of concrete in cold weather. Please adhere to these standard rules:

FOOTINGS

1. Minimum outside temperature of 15°F and rising.
2. Subgrade must be protected from frost mitigation after excavation.
3. Subgrade must be free of ground water and loose clay (muck), prior to concrete pour.
4. Concrete is to be protected to maintain a concrete temperature of 50°F or higher.
5. Protection must remain in place until concrete has reached a minimum of 500 psi (usually 2 days).

FOUNDATION WALLS

1. Minimum outside temperature of 15°F and rising.
2. Forms and reinforcing steel are to be protected from frost prior to placement of concrete.
3. Wood & aluminum forms are to be kept in place for a minimum of 48 hours prior to stripping.
4. Concrete is to be protected to maintain a concrete temperature of 55°F or higher.
5. Protection must remain in place for a minimum of 5 days after pouring to allow adequate curing.
6. Protection for high early strength concrete must remain in place for a minimum of 3 days.

BRACING

1. Foundation walls require a minimum of 10 days after placement before backfilling operations can begin and proper bracing of all foundation walls will be required as needed.

EARTH WORK

1. Minimum outside temperature of 32°F and rising.
2. Subgrade/stone is to be protected from freezing and free of any frost prior to placement.
3. Concrete is to be protected to maintain a concrete temperature of 55°F or higher.
4. Protection must remain in place for a minimum of 5 days after pouring to allow adequate curing.
5. Protection for high early strength concrete must remain in place for a minimum of 3 days.

OTHER NOTES

1. Non-chloride accelerators need to be used due to concerns about corrosion of reinforcing steel.
2. See A.C.I. standards for recommended protection methods.

