

Concrete Paving Applications

Sec. 18-69.1 Additions to the International Building Code.

(1) Installation and Placement of Steel Reinforcement:

- a. A minimum of number three (#3) steel reinforcement bar shall be installed in all concrete paving. [Recommended] Bars shall be placed at a maximum distance of sixteen (16) inches on center, or less, in all directions dependent upon application. Plastic or metal supports shall be utilized so that the steel reinforcement bars are located in the center third of the concrete. The use of welded wire fabric (wire mesh) and fiber reinforcement shall be prohibited unless approved by the code official.
- b. Isolation (expansion) joints, with sleeved steel dowel bars spaced at a maximum distance of eighteen (18) inches on center, shall be placed at designed locations or a maximum distance of twenty (20) feet on center to allow relative movement in three (3) directions and avoid formation of cracks elsewhere in the concrete.
- c. Thickness and compression strength of the concrete shall be dependent upon the application for which it is designed. Concrete paved driveways and sidewalks shall be constructed to a minimum thickness of four (4) inches.

(2) Permits and Inspections:

- a. Permits and inspections shall not be required for private residential concrete paving that is not used by the public if the concrete paving application is less than fifty (50) square feet.
- b. Permits and inspections shall be required for all other concrete paving applications.