



# CITY OF SANTA CLARITA BUILDING & SAFETY

## PRESCRIPTIVE FOUNDATION REQUIREMENTS

Effective: 6/1/2008

When a geotechnical report is not required for a project, the following minimum foundation requirements shall apply:

- Continuous wall footings shall have the following minimum dimensions:

	One-Story		Two-Story	
	Exterior Walls	Interior Bearing Walls	Exterior Walls	Interior Bearing walls
Footing Width	12"	12"	15"	15"
Footing Depth Below Grade*	24"	18"	24"	18"

\* For raised floor foundations, depth shall be measured below the foundation wall crawl hole.

- Footings shall be reinforced with four continuous # 4 bars; two 4" from the bottom and two 4" from the top of the footing. Maintain 3" clear to earth.
- Pads and piers must be connected by grade beams in two directions:  
 Exceptions:
  1. Piles or piers supporting a single raised floor.
  2. Pad footings located under a reinforced slab within the confines of a perimeter footing.
  3. Pad footings supporting unenclosed structures.
- Floor slabs shall be 3-1/2" thick reinforced with # 3 bars at 18" o.c. each way, or 2 layers of 6 x 6/10 x 10 welded wire fabric or one layer of 6 x 6/6 x 6 welded wire fabric. Slabs shall be placed over two layers of 2" sand with a 10 mil thick plastic moisture barrier between the sand layers.
- Slabs must be connected to perimeter footings by # 3 dowels at 24" o.c. bent 24" into the slabs. These dowels may be omitted where the floor is designed as an independent "floating" slab (such as a garage).
- Soil should be saturated 18" deep before placement of the concrete slab.
- When exposed to sulfates, concrete shall be made with type V cement and have a 28 day compressive strength of 4500 psi.