



Special Inspections

INFORMATION GUIDELINE

January 2012

City of Concord • Community Development/Building • 1950 Parkside Drive, MS/51 • Concord, CA 94519 • (925) 671-3107 • Fax (925) 680-4877

Special Inspectors

- ◆ A person who has been approved by the building official to perform certain types of inspections.
- ◆ Used for complex installations requiring certain highly developed inspection skills in one or more construction crafts.
- ◆ Monitoring of the materials and workmanship which is critical to the integrity of the building structure.
- ◆ Special Inspections are in *addition* to those conducted by the municipal building inspectors

Duties

- ◆ Acknowledge the testing and inspection agreement, structural tests and inspection schedule
- ◆ Signify presence at jobsite (Notify Contractor of their presence & responsibilities at the jobsite)
- ◆ Observe all work for which they are responsible
- ◆ Separately identify all nonconforming work
- ◆ Provide timely reports (Reports submitted directly to Building Official)
- ◆ Submit a final signed report (Reports submitted directly to Building Official)

Qualifications

- ◆ ICC Certification as a Special Inspector in type of inspection required
- ◆ Building Official may require written or oral examination to verify the inspector's knowledge of jurisdictional procedures and requirements

Special Inspection Types Include: (Per 2010 California Building Code)

- ◆ **Concrete** – during the taking of test specimens and placing of reinforced concrete and pneumatically placed concrete (Exceeding 2500 psi)
- ◆ **Bolts Installed in Concrete** – during installation of bolts and placing of concrete around such bolts
- ◆ **Ductile Moment-resisting Concrete Frames**
- ◆ **Reinforcing Steel and Pre-stressing Steel** – during stressing and grouting of pre-stressed concrete and placing of reinforcing steel, placing of tendons, and pre-stressing steel
- ◆ **Welding** – of ductile moment-resisting steel frames, and for all structural welding
- ◆ **High-strength Bolting** – during all bolt installations and tightening operations
- ◆ **Structural Masonry** – during preparation of masonry wall prisms, sampling and placing of all masonry units, placement of reinforcement, inspection of grout spaces, and during all grouting operations
- ◆ **Reinforced Gypsum Concrete** – when cast-in-place Class B gypsum concrete is being mixed and placed
- ◆ **Insulating Concrete Fill** – during the application of insulating concrete fill when used as part of a structural system
- ◆ **Spray-applied fireproofing** –
- ◆ **Piling, Drilled Piers & Caissons** – during driving and testing of piles and construction of cast-in-place drilled piles or caissons
- ◆ **Shotcrete** – during the taking of test specimens and placing of shotcrete
- ◆ **Special Grading, Excavation and Filling**

