

FOUNDATION REQUIREMENTS	
SECTION	IBC/CBC SECTION
Allowable soil bearing values	1804
Footings and foundations	1805, 1805.4
Footings	1805.4
Foundation walls	1805.5
General requirements for pier and pile foundations	1808
Pile foundations	1809 - 1811
Pier foundations	1812

A foundation soils investigation is required where required by Section 1802.2 unless the building official determines that a soils investigation is not required in accordance with the exception.

11. Excavation, grading and fill.

Requirements for excavation, grading and fill related to foundation construction are covered in Section 1803. General requirements for site grading are covered in Appendix J.

12. Flood design data.

If required by Section 1612.5, buildings located in flood hazard areas established in Section 1612.3 are required to provide documentation that includes the following information regardless of whether flood loads govern the design of the building:

1. In flood hazard areas not subject to high-velocity wave action, the elevation of the proposed lowest floor, including the basement.
2. In flood hazard areas not subject to high-velocity wave action, the elevation to which any nonresidential building will be dry floodproofed.
3. In flood hazard areas subject to high-velocity wave action, the proposed elevation of the bottom of the lowest horizontal structural member of the lowest floor, including the basement.

13. Special inspection, special testing and structural observation.

Where special inspection, special inspection for seismic resistance or structural testing for seismic resistance is required by Section 1704, 1707 or 1708, the registered design professional in responsible charge shall prepare a statement of special inspections in accordance with Section 1705 for submittal by the permit applicant in accordance with Section 106.1 as a condition for permit issuance. A statement of special inspections is not required for structures designed and constructed in accordance with the conventional construction provisions of Section 2308. The statement of special inspections is permitted to be prepared by a qualified person approved by the building official for construction not designed by a registered design professional.

SPECIAL INSPECTION REQUIREMENTS		
TYPE OF SPECIAL INSPECTION	APPLICABLE SECTION	REQUIRED VERIFICATION AND INSPECTION
Steel construction	1704.3	Table 1704.3
Concrete construction	1704.4	Table 1704.4
Masonry construction	1704.5	Table 1704.5.1 Table 1704.5.3
Wood construction	1704.6	—
Site and foundation soils	1704.7	Table 1704.7
Pile foundations	1704.8	Table 1704.8
Pier foundations	1704.9	Table 1704.9
Sprayed fire resistant materials	1704.10	—
Mastic and intumescent fire resistive coatings	1704.11	—
Exterior insulation and finish (EIFS) systems	1704.12	—
Special cases	1704.13	—
Smoke control systems	1704.14	—

Where required by the provisions of Section 1709.2 or 1709.3, the owner shall employ a registered design professional to perform structural observations as defined in Section 1702. At the conclusion of the work included in the permit, the structural observer shall submit a written statement to the building official that identifies any reported deficiencies that have not been resolved.