



SPECIAL INSPECTION REQUIREMENTS

(This is intended to be a guide. The registered design professional is still responsible for preparing the statement of special inspections per Section 1704.3)

For this project, list the required inspections for CBC Chapter 17

Permit #:	Project Address:
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CONSTRUCTION TYPE REQUIRING INSPECTION	LIST OF REQUIRED INSPECTIONS
Special Cases (Section 1705.1.1)	<input type="checkbox"/>
Steel Construction (1705.2)	<input type="checkbox"/> Structural steel welding. (Per AISC 360 Tables N5.4-1 thru N5.4-3) <input type="checkbox"/> Structural steel bolting (Per AISC 360 Tables N5-6.1 thru N5.6-3) <input type="checkbox"/> Cold-formed steel deck (Per SDI QA/QC) <input type="checkbox"/> Open-web steel joists and joist girders <input type="checkbox"/> Cold-form steel trusses spanning 60 feet or greater
Concrete Construction (Section 1705.3)	<input type="checkbox"/> Inspect reinforcement, including prestressing tendons, and verify placement. <input type="checkbox"/> Reinforcing bar welding. <input type="checkbox"/> Inspect anchors cast in concrete. <input type="checkbox"/> Inspect epoxy anchors. <input type="checkbox"/> Inspect mechanical anchors. <input type="checkbox"/> Verify use of required design mix. <input type="checkbox"/> Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete. <input type="checkbox"/> Inspect concrete and shotcrete placement for proper application techniques. <input type="checkbox"/> Verify maintenance of specified curing temperature and techniques. <input type="checkbox"/> Inspect prestressed concrete. <input type="checkbox"/> Inspect erection of precast concrete members. <input type="checkbox"/> Verify in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs. <input type="checkbox"/> Inspect formwork for shape, location and dimensions of the concrete member being formed. <input type="checkbox"/> Preconstruction tests for shotcrete (Per 1704.5.4, 1908.5)
Masonry Construction (Section 1705.4)	<input type="checkbox"/> In accordance with the quality assurance program requirements of TMS 402/ACI 530/ASCE 5 and TMS 602/ACI 530.1/ASCE 6
Wood Construction (Section 1705.5)	<input type="checkbox"/> High-load diaphragms. <input type="checkbox"/> Metal-plate-connected wood trusses with minimum 60' span or 60" height.
Soils (Section 1705.6)	<input type="checkbox"/> Verify materials below shallow foundations are adequate to achieve the design bearing capacity. <input type="checkbox"/> Verify excavations are extended to proper depth and have reached proper material. <input type="checkbox"/> Perform classification and testing of compacted fill materials. <input type="checkbox"/> Verify use of proper materials, densities, and lift thicknesses. <input type="checkbox"/> Prior to placement of compacted fill, inspect subgrade, and verify that site has been prepared property.
Driven Deep Foundations (Section 1705.7)	<input type="checkbox"/> Verify element materials, sizes and lengths comply with the requirement. <input type="checkbox"/> Determine capacities of test elements, and conduct additional load tests as required. <input type="checkbox"/> Inspect driving operations and maintain complete and accurate records for each element. <input type="checkbox"/> Verify placement locations, plumbness, type and size of hammer, blows per foot of penetration, and record tip and butt elevations. <input type="checkbox"/> For steel elements, perform additional special inspections in accordance with Section 1705.2. <input type="checkbox"/> For concrete elements and concrete-filled elements, perform tests and additional special inspections in accordance with Section 1705.3. <input type="checkbox"/> For specialty elements, perform additional inspections as determined by the registered design professional in responsible charge.

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Cast-in-place Deep Foundations (Section 1705.8)	<input type="checkbox"/> Inspect drilling operations and maintain complete and accurate records for each element by either a: <input type="checkbox"/> Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable) and adequate end-bearing strata capacity. Record concrete or grout volumes. <input type="checkbox"/> Soils Engineer, Special Inspector (approved for "PDC"), or Engineer of Record (for one and two family dwellings). <input type="checkbox"/> For concrete elements, perform tests and additional special inspections in accordance with Section 1705.3.
Helical Piles (Section 1705.9)	<input type="checkbox"/> Installation of helical pile foundations
Fabricated Items (Section 1705.10)	<input type="checkbox"/> Special inspections of fabricated items shall be performed in accordance with Section 1704.2.5.
Wind Resistance (Section 1705.11)	<input type="checkbox"/> Structural wood <input type="checkbox"/> Cold-formed steel light-frame construction <input type="checkbox"/> Wind-resisting components
Seismic Resistance (Section 1705.12 & 1705.13)	<input type="checkbox"/> Structural steel <input type="checkbox"/> Structural wood <input type="checkbox"/> Cold-formed steel light-frame construction <input type="checkbox"/> Designated seismic systems <input type="checkbox"/> Architectural components <input type="checkbox"/> Plumbing, mechanical, and electrical components <input type="checkbox"/> Storage racks <input type="checkbox"/> Seismic isolation systems <input type="checkbox"/> Cold-formed steel special bolted moment frames
Fire Resistive Construction (Section 1705.14)	<input type="checkbox"/> Spray applied materials (1705.14) <input type="checkbox"/> Mastic and Intumescent coatings (1705.15) <input type="checkbox"/> Penetrations and joints (1705.17)
Exterior Insulation and Finish Systems (EIFS) (Section 1705.16)	<input type="checkbox"/>
Testing For Smoke Control (Section 1705.18)	<input type="checkbox"/>
Structural Observation for seismic resistance	<input type="checkbox"/>

Acknowledgements: (Choose one) *Owner*, *Design Professional*, or *Contractor*

Name: _____ Signature: _____ Date: _____

[Link to Recognized Special Inspection and Testing Agencies](#)