



City of Sonoma

Building Department Informational Handout

Statement of Special Inspections

Handout No: 7
Revised 1/17/2014

Building Permit No.: _____

Project Name: _____

Project Address: _____

For building permit applications of projects requiring special inspection, structural observation and/or testing per Chapter 17 of the California Building Code (CBC) 2013 Edition. This Statement of Special Inspections is submitted in conformance with the requirements of CBC Chapter 17. Included are:

- Schedule of Special Inspections and tests applicable to this project: (check if applicable)
 - Special inspections required per CBC Sections 1704 and 1705
 - Special inspections for Seismic Resistance required per CBC Section 1704.3.2
 - Special inspections for Wind Resistance required per CBC Section 1704.3.3
 - Structural observations for Seismic Resistance required per CBC Section 1704.5.1 apply
 - Designer specified special inspections or structural observations apply
- List of the Testing Agencies and other special inspectors that will be retained to conduct the tests and inspections

1. OVERVIEW:

- a. **Purpose.** The Statement of Special Inspections summarizes the special inspections and tests required. The special inspections shown on the approved plans and checked on this Statement of Special Inspections are required for this project. The employment of special inspectors is the direct responsibility of the owner or the engineer/architect of record acting as the owner's representative. These special inspections are required in addition to the called inspections performed by the Building Department.
- b. **Before a Permit can be issued.** The engineer or architect of record, acting as the owner's agent, must submit two (2) copies of this form including the required acknowledgments. The completed statement of Special Inspections shall become a part of the approved construction documents.
- c. **Approval of Special Inspector.** Each special inspector, special inspection agency and testing agency shall be listed and/or approved by the Building Department prior to approval of the plans and performing of any special inspection services. Any unauthorized personnel changes will result in a "Stop Work Order" and possible permit revocation.
- d. **Structural Observation.** In addition or in lieu of other special inspection requirements, the engineer or architect shall provide structural observation when required by section 1704.5 of the 2013 California Building Code. The scope and frequency for structural observation shall be clearly noted on the plans.

Building Department Acceptance

ACKNOWLEDGMENTS

The undersigned have read and agree to comply with the terms and conditions of this Statement and Schedule of Special Inspections.

2. RESPONSIBILITIES OF REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE

- a. **Preparation of Statement of Special Inspection.** Where special inspection and/or testing is required by CBC Chapter 17, the registered design professional in responsible charge shall prepare a Statement of Special Inspections in accordance with CBC Section 1705 for submittal by the permit applicant. The Statement of Special Inspection shall identify the following:
 - 1) The materials, systems, components and work required to have special inspection or testing by the building official or by the registered design professional responsible for each portion of the work;
 - 2) The type and extent of each special inspection;
 - 3) The type and extent of each test;
 - 4) Additional requirements for special inspection or testing for seismic or wind resistance as specified in Section 1705.10, 1705.11, and 1705.12;
 - 5) For each type of special inspection, identification as to whether it will be continuous special inspection or periodic special inspection.
- b. **Acknowledgements.** Obtain all acknowledgements indicated on the Statement of Special Inspection form.

Registered Design Professional Acknowledgement of Responsibilities:

<i>Registered Design Professional in Responsible Charge (please type or print)</i>	<i>Phone</i>
<i>Registered Design Professional E-Mail Address</i>	
<i>Signature</i>	<i>Date</i>

3. CONTRACTOR RESPONSIBILITIES:

- a. **Quality Control.** The contractor is responsible for the quality of the work performed.
- b. **Wind- and Seismic-Force-Resisting Components.** The Contractor responsible for the construction of the main wind- or seismic-force-resisting system, designated seismic system or the wind- or seismic-resisting component listed in the Statement of Special Inspections recognizes his or her responsibility to ensure that special requirements contained in the Statement of Special Inspection are complied with.
- c. **Inspector Notification.** The contractor shall provide sufficient notice to the special inspector prior to performing any work that requires special inspection.
- d. **Access to Plans.** The contractor is responsible for providing the special inspector access to the approved plans and specifications at the job site.
- e. **Building Department Inspection.** The Contractor acknowledges that special inspections are *in addition to* the inspections required by the Building Department. If work is inspected and approved by the Special Inspector and subsequently covered by the Contractor without inspection by the Building Department, it may be necessary to remove materials as determined by the Building Inspector.
- f. **Retain Special Inspection Records.** The contractor is a responsible for retaining all special inspection records submitted by the special inspector at the job site for Building Inspector review upon request.
- g. **Final Inspection.** The final inspection may not be scheduled until all interim and final reports documenting the special inspection work have been submitted and approved by the Building Department.

Contractor's Acknowledgement of Responsibilities:

<i>Contractor Name (please type or print)</i>	<i>Phone</i>
<i>Signature</i>	<i>Date</i>

4. OWNER'S RESPONSIBILITIES

- a. **Hiring Special Inspector.** The owner or the registered design professional in responsible charge acting as the owner's agent shall employ one or more approved special inspection and/or testing agencies to perform special inspections or testing during construction where required under CBC Section 1705 and further listed herein.
- b. **Hiring Design Professional for Structural Observation.** Where required by the provisions of CBC Sections 1704.5.1 or 1704.5.2, the owner shall employ a registered design professional to perform structural observations as defined in CBC Section 202.
- c. **Implementation of Special Inspection Program.** The Owner shall ensure that this program of special inspections is implemented and that all construction complies with the approved permit documents.

Owner's Authorization and Acknowledgement of Responsibilities:

<i>Owner Name (please type or print)</i>	<i>Phone</i>
<i>Signature</i>	<i>Date</i>

5. SPECIAL INSPECTOR RESPONSIBILITIES:

- a. **Compliance with Building Code.** Work performed under special inspection and testing shall meet the minimum requirements of the applicable provisions of the California Building Code. The special inspector shall observe the work and bring nonconformance issues to the immediate attention of the contractor and note all such issues in interim reports. Any item not satisfactorily resolved shall be immediately reported to the Building Department by the special inspector.
- b. **Special Inspection Requirements.** Special inspections and testing shall be performed in accordance with the approved plans and specifications, this statement and CBC Chapter 17.
- c. **Interim Reports.** Interim reports will be submitted to the Building Official and the registered design professional in responsible charge in accordance with CBC Section 1704.2.4.
- d. **Final Report.** Prior to issuance of a Certificate of Use and Occupancy, a Final Report of Special Inspections and Testing shall be submitted to the Building Department from each special inspection or testing agency stating the outcome of the inspections and any discrepancies in inspection coverage (i.e., missed inspections, periodic inspections when continuous was required, etc.).

List Special Inspection and Testing Agencies for the Project (please type or print)

The following are the testing agencies and special inspectors that will be retained to conduct tests and inspection on this project.

Responsibility and Type of Testing or Special Inspection (where applicable)	Firm Name	Phone and E-Mail Address:
Geotechnical		
Special Inspections Type:		
Special Inspections Type:		
Special Inspections Type:		
Materials Testing Type:		
Structural Observation		
Other (describe)		

Seismic Requirements (CBC Section 1704.3.2)

Description of seismic-force-resisting system and designated seismic systems subject to special inspections per CBC 1705.11 or 1705.12:

The extent of the seismic-force-resisting system is defined in more detail in the construction documents.

Wind Requirements (CBC Section 1704.3.3.)

Description of wind-force-resisting system and designated wind resisting components subject to special inspections as per CBC Section 1705.10:

The extent of the seismic-force-resisting system is defined in more detail in the construction documents.

Schedule of Special Inspections

Notations Used in the Following Table:

Column headers:

C	Indicates continuous inspection is required.
P	Indicates periodic inspections are required.
NOTES	Clarify periodic inspection requirements and indicate plan sheets for further clarification.

Box entries:

●	Denotes either "C" continuous or "P" periodic inspections.
○	Denotes an activity that is either a one-time activity or one whose frequency is on a random basis or is defined in some other manner.
☒	Entered by the registered design professional in responsible charge to indicate the required special inspections.

Additional detail regarding inspections and tests are provided in the project specifications or notes on the drawings.

Verification and Inspection	C	P	<input checked="" type="checkbox"/> when req'd	Notes/References
1704.2.5.1 – Inspect fabricator's fabrication and quality control procedures.		<input type="radio"/>	<input type="checkbox"/>	
CBC 1705.2 - Required Verification and Inspection for Structural Steel Construction (AISC 360 and AISC 341.)				
1. Fabricator and erector documents (Verify reports and certificates as listed in AISC 360, chapter N, paragraph 3.2 for compliance with construction documents).		<input type="radio"/>	<input type="checkbox"/>	
2. Material verification of structural steel.		●	<input type="checkbox"/>	
3. Embedments (Verify diameter, grade, type, length, embedment. See 1705.3 for anchors).		●	<input type="checkbox"/>	
4. Verify member locations, braces, stiffeners, and application of joint details at each connection comply with construction documents.		●	<input type="checkbox"/>	
5. Structural steel welding:			<input type="checkbox"/>	
a. Inspection tasks Prior to Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 360, Table N5.4-1).		<input type="radio"/>	<input type="checkbox"/>	
b. Inspection tasks During Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 360, Table N5.4-2).		<input type="radio"/>	<input type="checkbox"/>	
c. Inspection tasks After Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 360, Table N5.4-3).		<input type="radio"/>	<input type="checkbox"/>	
d. Nondestructive testing (NDT) of welded joints:			<input type="checkbox"/>	EXCEPTION: NDT of welds completed in an approved fabricator's shop. See AISC 360, N7.
1) Complete penetration groove welds 5/16" or greater in risk category III or IV.		●	<input type="checkbox"/>	
2) Complete penetration groove welds 5/16" or greater in risk category II.		●	<input type="checkbox"/>	
3) Thermally cut surfaces of access holes when material t > 2".		●	<input type="checkbox"/>	
4) Welded joints subject to fatigue when required by AISC 360, Appendix 3, Table A-3.1.		●	<input type="checkbox"/>	
5) Fabricator's NDT reports when fabricator performs NDT.		<input type="radio"/>	<input type="checkbox"/>	
6. Structural steel bolting:		<input type="radio"/>	<input type="checkbox"/>	
a. Inspection tasks Prior to Bolting (Observe, or perform tasks for each bolted connection, in accordance with QA tasks listed in AISC 360, Table N5.6-1).		<input type="radio"/>	<input type="checkbox"/>	
b. Inspection tasks During Bolting (Observe the QA tasks listed in AISC 360, Table N5.6-2).		<input type="radio"/>	<input type="checkbox"/>	
1) Pre-tensioned and slip-critical joints.		●	<input type="checkbox"/>	
2) Snug-tight joints.		●	<input type="checkbox"/>	
c. Inspection tasks After Bolting (Perform tasks for each bolted connection in accordance with QA tasks listed in AISC 360, Table N5.6-3).		<input type="radio"/>	<input type="checkbox"/>	
7. Inspection of steel elements of composite construction prior to concrete placement in accordance with QA tasks listed in AISC 360, Table N6.1.		<input type="radio"/>	<input type="checkbox"/>	

Verification and Inspection	C	P	<input checked="" type="checkbox"/> when req'd	Notes/References
CBC Table 1705.2.2 - Verification of Steel Construction other than Structural Steel				
1. Material verification of cold-formed steel deck:			<input type="checkbox"/>	
a. Identification markings to conform to ASTM standards specified in the approved construction documents.		●	<input type="checkbox"/>	Applicable ASTM material standards.
b. Manufacturer's certified test reports.		●	<input type="checkbox"/>	
2. Inspection of welding:			<input type="checkbox"/>	
a. Cold-formed steel deck:			<input type="checkbox"/>	v
1) Floor and roof deck welds.		●	<input type="checkbox"/>	AWS D1.3.
b. Reinforcing steel:			<input type="checkbox"/>	
1) Verification of weldability of reinforcing steel other than ASTM A 706.		●	<input type="checkbox"/>	AWS D1.4, ACI 318: Section 3.5.2
2) Reinforcing steel resisting flexural and axial forces in intermediate and special moment frames, and boundary elements of special structural walls of concrete and shear reinforcement.	●		<input type="checkbox"/>	AWS D1.4, ACI 318: Section 3.5.2
3) Shear reinforcement.	●		<input type="checkbox"/>	AWS D1.4, ACI 318: Section 3.5.2
4) Other reinforcing steel.		●	<input type="checkbox"/>	AWS D1.4, ACI 318: Section 3.5.2
CBC Table 1705.3 - Required Verification and Inspection for Concrete Construction				
1. Inspection of reinforcing steel, including prestressing tendons and placement.		●	<input type="checkbox"/>	ACI 318: 3.5,7.1-7.7; CBC 1910.4
2. Inspection of reinforcing steel welding in accordance with Table 1705.2.2 Item 2b.		○	<input type="checkbox"/>	AWS D1.4; ACI 318: 3.5.2
3. Inspection of anchors cast in concrete where allowable loads have been increased or where strength design is used..		●	<input type="checkbox"/>	ACI 318: 8.1.3, 21.2.8; CBC 1908.5 and 1909.1
4. Inspection of anchors post-installed in hardened concrete members ¹ .		●	<input type="checkbox"/>	ACI 318: 3.8.6,8.1.3,21.2.8; CBC 1909.1.
5. Verifying use of required design mix.		●	<input type="checkbox"/>	ACI 318: Ch. 4. 5.2-5.4; CBC 1904.2, 1910.2, 1910.3
6. At time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests and determine the temperature of the concrete.	●		<input type="checkbox"/>	ASTM C 172; ASTM C 31; ACI 318: 5.6. 5.8; CBC 1910.10
7. Inspection of concrete and shotcrete placement for proper application techniques.	●		<input type="checkbox"/>	ACI 318: 5.9,5.10; CBC 1910.6, 1910.7, 1910.8
8. Inspection for maintenance of specified curing temperature and techniques.		●	<input type="checkbox"/>	ACI 318: 5.11-5.13; CBC 1910.9
9. Inspection of prestressed concrete.			<input type="checkbox"/>	
a. Application of prestressing forces.	●		<input type="checkbox"/>	ACI 318: 18.20.
b. Grouting of bonded prestressing tendons in the seismic force-resisting system.	●		<input type="checkbox"/>	ACI 318: 18.18.4
10. Erection of precast concrete members.		●	<input type="checkbox"/>	ACI 318: Ch. 16
11. Verification of in-situ concrete strength, prior to stressing of tendons in postensioned concrete and prior to removal of shores and forms from beams and structural slabs.		●	<input type="checkbox"/>	ACI 318: 6.2
12. Inspect formwork for shape, location, and dimensions of the concrete member being formed.		●	<input type="checkbox"/>	ACI 318: 6.1.1

¹ Specific requirements for special inspection shall be included in the research report for the anchor issued by an approved source in accordance with ACI 355.2 or other qualification procedures. Where specific requirements are not provided, special inspection requirements shall be specified by the registered design professional and shall be approved by the building official prior to the commencement of the work.

Verification and Inspection	C	P	<input checked="" type="checkbox"/> when req'd	Notes/References
1705.4 - Required Verification and Inspection for Masonry (TMS 402/ACI 530/ASCE 5 and TMS 602/ACI 530.1/ASCE 6)				
1. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified.		●	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6: Art.1.5
2. Verification of f'_m and f'_{AAC} prior to construction except where specifically exempted by the code.		●	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6: Art.1.4B.
3. Verification of slump flow and VSI as delivered to the site for self-consolidating grout.	●		<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6: Art.1.5B.1.b.3
4. As masonry construction begins, the following shall be verified to ensure compliance:			<input type="checkbox"/>	
a. Proportions of site-prepared mortar.		●	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6: Art.2.6A.
b. Construction of mortar joints.		●	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6: Art.3.3B .
c. Location of reinforcement, connectors, prestressing tendons, and anchorages.		●	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6: Art.3.4, 3.6A .
d. Prestressing technique.		●	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6: Art.3.6B.
e. Grade and size of prestressing tendons and anchorages.		●	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6: Art.2.4B, 2.4H.
5. During construction verify:			<input type="checkbox"/>	
a. Size and location of structural elements.		●	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6: Art.3.3F .
b. Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames, etc.		●	<input type="checkbox"/>	TMS 402/ACI 530/ASCE 5: Sec. 1.2.2(e), 1.16.1
c. Specified size, grade, and type of reinforcement.		●	<input type="checkbox"/>	TMS 402/ACI 530/ASCE 5: Sec. 1.15 TMS 602/ACI 530.1/ASCE 6: Art.2.4, 3.4.
d. Welding of reinforcing bars.	●		<input type="checkbox"/>	TMS 402/ACI 530.1/ASCE 5: Sec. 2.1.9.7.2, 3.3.3.4(b) .
e. Protection of masonry during cold weather (temperature below 40 degrees F) or hot weather (temperature above 90 degrees F)		●	<input type="checkbox"/>	CBC 2104.3, 2104.4; TMS 602/ACI 530.1/ASCE 6: Art.1.8C, 1.8D
f. Application and measurement of prestressing force.		●	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6: Art.3.6B.
6. Prior to grouting verify the following:			<input type="checkbox"/>	
a. Grout space is clean.		●	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6: Art.3.2B.
b. Placement of reinforcement and connectors and prestressing tendons and anchorages.		●	<input type="checkbox"/>	TMS 402/ACI 530/ASCE 5: Sec. 1.13; TMS 602/ACI 530.1/ASCE 6: Art.3.4
c. Proportions of site-prepared grout and prestressing grout for bonded tendons.		●	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6: Art.2.6B
d. Construction of mortar joints.		●	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6: Art.3.3B
7. Verify grout placement to ensure compliance with code and construction document provisions.	●		<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6: Art.3.5.
a. Observe grouting of prestressing bonded tendons.	●		<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6: : Art.3.6C.

Verification and Inspection	C	P	<input checked="" type="checkbox"/> when req'd	Notes/References
8. Observe preparation of required grout specimens, mortar specimens, and/or prisms.	●		<input type="checkbox"/>	CBC 2105.2.2, 2105.3; TMS 602/ACI 530.1/ASCE 6: Art.1.4
9. Verify compliance with required inspection provisions of the construction documents and the approved submittals.		●	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6
10. Additional levels of masonry inspection are required as otherwise noted on the plans.			<input type="checkbox"/>	
CBC 1705.5 - Required Verification and Inspection for Wood Construction				
1. Inspect prefabricated wood structural elements and assemblies in accordance with Section 1704.2.5		○	<input type="checkbox"/>	
2. Inspect site built assemblies.			<input type="checkbox"/>	
a. Inspect high-load diaphragms:			<input type="checkbox"/>	
1) Verify grade and thickness of structural panel sheathing.		○	<input type="checkbox"/>	
2) Verify nominal size of framing members at adjoining panel edges. Verify nail or staple diameter and length, number of fastener lines, and pacing between fasteners in each line and at edge margins.		○	<input type="checkbox"/>	
b. Metal-plate-connected wood trusses spanning 60 feet or greater:			<input type="checkbox"/>	
1) Verify that the temporary installation restraint bracing and the permanent individual truss member restraint bracing are installed in accordance with the approved truss submittal package.		○	<input type="checkbox"/>	
CBC Table 1705.6 - Required Verification and Inspection of Soils				
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.		●	<input type="checkbox"/>	
2. Verify excavations are extended to proper depth and have reached proper material.		●	<input type="checkbox"/>	
3. Perform classification and testing of compacted fill materials.		●	<input type="checkbox"/>	
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill	●		<input type="checkbox"/>	
5. Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly.		●	<input type="checkbox"/>	
CBC Table 1705.7 - Required Verification and Inspection for Driven Deep Foundation Elements				
1. Verify element materials, sizes and lengths comply with the requirements.	●		<input type="checkbox"/>	
2. Determine capacities of test elements and conduct additional load tests, as required.	●		<input type="checkbox"/>	
3. Observe driving operations and maintain complete and accurate records for each element.	●		<input type="checkbox"/>	
4. Verify placement locations and plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and document any damage to foundation element.	●		<input type="checkbox"/>	
5. For steel elements, perform additional inspections in accordance with CBC Section 1705.2.		○	<input type="checkbox"/>	
6. For concrete elements and concrete-filled elements, perform additional inspections in accordance with CBC Section 1705.3.		○	<input type="checkbox"/>	

Verification and Inspection	C	P	<input checked="" type="checkbox"/> when req'd	Notes/References
7. For specialty elements, perform additional inspections as determined by the registered design professional in responsible charge.	●		<input type="checkbox"/>	
CBC Table 1705.8 - Required Verification and Inspection for Cast-In-Place Deep Foundation Elements				
1. Observe drilling operations and maintain complete and accurate records for each element.	●		<input type="checkbox"/>	
2. 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"/>	
3. For concrete elements, perform additional inspections in accordance with CBC Section 1705.3.		○	<input type="checkbox"/>	
CBC 1705.9 - Required Verification and Inspection for Helical Pile Foundations				
1. Record installation equipment used, pile dimensions, tip elevations, final depth, final installation torque, and other pertinent data.	●		<input type="checkbox"/>	
CBC 1705.10 - Required Verification and Inspection for Wind Resistance (Not Applicable in Sonoma)				
CBC 1705.11 - Required Verification and Inspection for Seismic Resistance				
1. Structural Steel Special Inspections for Seismic Resistance:			<input type="checkbox"/>	CBC 1705.11.1
a. Inspection of structural steel in accordance with AISC 341		○	<input type="checkbox"/>	AISC 341
2. Structural Wood Special Inspections for Seismic Resistance:			<input type="checkbox"/>	CBC 1705.11.2
a. Inspection of field gluing operations of elements of the seismic-force resisting system.	●		<input type="checkbox"/>	
b. Inspection of nailing, bolting, anchoring and other fastening of components within the seismic-force-resisting system.		●	<input type="checkbox"/>	
3. Cold-formed Steel Light-Frame Construction Special Inspections for Seismic Resistance:			<input type="checkbox"/>	CBC 1705.11.3
a. Inspection during welding operations of elements of the seismic-force-resisting system.		●	<input type="checkbox"/>	
b. Inspections for screw attachment, bolting, anchoring and other fastening of components within the seismic-force-resisting system.		●	<input type="checkbox"/>	
4. Designated Seismic Systems Verification:			<input type="checkbox"/>	CBC 1705.11.4
a. Inspect and verify that that the component label, anchorage or mounting conforms to the certificate of compliance in accordance with Section 1705.12.3.		●	<input type="checkbox"/>	
5. Architectural Components Special Inspections for Seismic Resistance:			<input type="checkbox"/>	1705.11.5
a. Inspection during the erection and fastening of exterior cladding and interior and exterior veneer.		●	<input type="checkbox"/>	
b. Inspection during the erection and fastening of interior and exterior nonbearing walls.		●	<input type="checkbox"/>	
c. Inspection during anchorage of access floors.		●	<input type="checkbox"/>	

Verification and Inspection	C	P	☒ when req'd	Notes/References
6. Mechanical and Electrical Components Special Inspections for Seismic Resistance:			<input type="checkbox"/>	CBC 1705.11.6
a. Inspection during the anchorage of electrical equipment for emergency or standby power systems.		●	<input type="checkbox"/>	
b. Inspection during the anchorage of other electrical equipment.		●	<input type="checkbox"/>	
c. Inspection during installation and anchorage of piping systems designed to carry hazardous materials, and their associated mechanical units.		●	<input type="checkbox"/>	
d. Inspection during the installation and anchorage of HVAC ductwork that will contain hazardous materials.		●	<input type="checkbox"/>	
e. Inspection during the installation and anchorage of vibration isolation systems.		●	<input type="checkbox"/>	
7. Storage Racks Special Inspections for Seismic Resistance:			<input type="checkbox"/>	CBC 1705.11.7
a. Inspection during the anchorage of storage racks 8 feet or greater in height		●	<input type="checkbox"/>	
8. Seismic Isolation Systems:			<input type="checkbox"/>	CBC 1705.11.8
a. Inspection during the fabrication and installation of isolator units and energy dissipation devices used as part of the seismic isolation system.		●	<input type="checkbox"/>	
CBC 1705.12 – Testing and Qualification for Seismic Resistance				
1. Concrete Reinforcement Testing and Qualification for Seismic Resistance:			<input type="checkbox"/>	CBC 1705.12.1
a. Review certified mill test reports for each shipment of reinforcement used to resist earthquake-induced flexural and axial forces in reinforced concrete special moment frames, special structural walls, and coupling beams connecting special structural walls.		○	<input type="checkbox"/>	
b. Verify reinforcement weldability of ASTM A615 reinforcement used to resist earthquake-induced flexural and axial forces in reinforced concrete special moment frames, special structural walls, and coupling beams connecting special structural walls.		○	<input type="checkbox"/>	
2. Structural Steel Testing and Qualification for Seismic Resistance:			<input type="checkbox"/>	1705.12.2
a. Test in accordance with the quality assurance requirements of AISC 341.		○	<input type="checkbox"/>	AISC 341
3. Seismic Certification of Nonstructural Components:			<input type="checkbox"/>	CBC 1705.12.3
a. Review certificate of compliance for designated seismic system components.		○	<input type="checkbox"/>	
4. Seismic Isolation Systems:			<input type="checkbox"/>	CBC 1705.12.4
a. Test seismic isolation system in accordance with ASCE 7 Section 17.8.		○	<input type="checkbox"/>	ASCE 7 Section 17.8

Verification and Inspection	C	P	<input checked="" type="checkbox"/> when req'd	Notes/References
CBC 1705.13 – Required Verification and Inspection for Sprayed Applied Fire-Resistant Materials				
1. Verify surface condition preparation of structural members.		●	<input type="checkbox"/>	
2. Verify application of sprayed fire-resistant materials.		●	<input type="checkbox"/>	
3. Verify average thickness of sprayed fire-resistant materials applied to structural members.		●	<input type="checkbox"/>	
4. Verify density of the sprayed fire-resistant material complies with approved fire-resistant design.		○	<input type="checkbox"/>	CBC 1705.13.5
5. Verify the cohesive/adhesive bond strength of the cured sprayed fire-resistant material.		○	<input type="checkbox"/>	CBC 1705.13.6
CBC 1705.14 – Required Verification and Inspection for Mastic and Intumescent Fire-Resistant Coatings				
1. Inspect mastic and intumescent fire-resistant coatings applied to structural elements and decks.		●	<input type="checkbox"/>	
CBC 1705.15 – Required Verification and Inspection for Exterior Insulation and Finish Systems (EIFS)				
1. Verify materials, details and installations are per the approved construction documents.		●	<input type="checkbox"/>	
2. Inspection of water-resistive barrier over sheathing substrate.		●	<input type="checkbox"/>	
CBC 1705.16 – Required Verification and Field Testing for Fire-Resistant Penetrations and Joints				
1. Inspect penetration firestop systems.		○	<input type="checkbox"/>	ASTM E2174
2. Inspect fire-resistant joint systems.		○	<input type="checkbox"/>	ASTM E2393
CBC 1705.17 – Required Verification and Field Testing for Smoke Control Systems				
1. Leakage testing and recording of device locations prior to concealment.		●	<input type="checkbox"/>	
2. Prior to occupancy and after sufficient completion, pressure difference testing, flow measurements, and detection and control.		●	<input type="checkbox"/>	
Designer Specified Verification, Inspection or Field Testing				
Other – Designer specified:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

NOTE: If the provisions of CBC 1706 - Design Strength of Materials, 1707 Alternative Test Procedure, 1708 – Test Safe Load, 1709 - In-Situ Load Tests or 1710 - Preconstruction Load Tests are required by the Building Official, the requirements will be listed on a separate sheet.