



The preparer is legally responsible for signatures whether a graphic, typewritten, or handwritten. Documents may not be restricted by digital signatures or otherwise.

Statement of Special Inspections

County Review Stamp

Permit No. _____
APN: _____
Project Address: _____

Reserved for County Stamp

2019 California Building Code

This form lists aspects of the project that require special inspection and testing as indicated in the 2019 California Building Code Section 1704 and 1705 and defines duties and responsibilities of parties involved in the project.

Form Submittal. The Owner or Owner's Agent, on the advice of the Registered Design Professional In Charge, must complete this form, secure signatures by all parties, and submit the form to the Santa Cruz County Building Division for review.

Duties & Responsibilities. The Owner and Contractor acknowledge assignment of the following duties, responsibilities and conditions applicable to special inspection or testing:

Owner

1. Ensures that construction complies with the approved permit documents and implements the program of special inspections.

Contractor

1. Ensures proper notification to the special inspection or testing agency for items listed herein.
2. Reviews the Building Division approved plans for additional inspection or testing requirements. A pre-construction conference at the job site is recommended to review special inspection procedures.

Special Inspection/Testing Agency

1. Sends copies of all laboratory reports and inspections to the Building Division and Registered Design Professional In Charge on a weekly basis. Only the testing laboratory may take samples and transport them to their laboratory.
2. Submits for the Building Division's approval an Inspector List that shows the names and qualifications of on-site special inspectors who are NOT on the County's pre-approved list.
3. Provides each special inspector with an identification badge that includes:
 - Name and photograph
 - Areas that the inspector is qualified to inspect
 - An authorization signature by the Registered Engineer who is a full-time employee of the agency
4. Provides the Final Report of Special Inspections that documents required special inspections and correction of discrepancies noted in inspections. A copy of this report must be kept at the job site for review by the County Inspector prior to final inspections. *Per CBC section 1704.2.3 this report is required before an occupancy permit can be issued.*

Special Inspectors

1. Must have their badge visible when performing their duties.
2. Must immediately notify the County Building Division upon encountering any concerns or problems.
3. Must use only the County Building Division's approved drawings.

Acknowledgements Please print name, sign, & enter date

Registered Design Professional in Responsible Charge

Name: _____ Signature: _____ Date: _____

Owners' Authorization

Name: _____ Signature: _____ Date: _____

Contractor

Name: _____ Signature: _____ Date: _____

Responsible Employee of the Testing Agency

Name: _____ Signature: _____ Date: _____

Geotechnical Inspector

Name: _____ Signature: _____ Date: _____



Enter firm names, contact information, and area of responsibility.

Special Inspection, Material Testing, and Geotechnical Agencies

Firm Name: _____ Email: _____

Address: _____ Phone: _____

Responsibility: _____

Firm Name: _____ Email: _____

Address: _____ Phone: _____

Responsibility: _____

Firm Name: _____ Email: _____

Address: _____ Phone: _____

Responsibility: _____

Firm Name: _____ Email: _____

Address: _____ Phone: _____

Responsibility: _____

Contractor's Statement: CBC 1704.4

California Building Code (CBC) Section 1704.4 requires the Contractor responsible for the construction of a main wind or seismic force resisting system, designated seismic system, or a wind or seismic resisting components to submit a written statement of responsibility to the Building Official and the Owner prior to the commencement of work on the system or component. **The Contractor hereby acknowledges this responsibility regarding special requirements as described in the Statement of Special Inspections, Structural Tests, Inspection Schedule, and County-approved plans and as prepared by the engineer of record or the registered design professional per the requirements of California Building Code Section 1704.3.**

Acknowledgement Please print name, sign, & enter date

Contractor: California License No. _____ I am aware of the requirements and responsibilities.

Name: _____ Signature: _____ Date: _____

Structural Observations: CBC 1704.6

Does this project include structural observation per CBC 1704.6: Enter Yes or No _____ If yes, complete both acknowledgements below.

Acknowledgements Please print name, sign, & enter date

Engineer: California License No. _____ Licensed design professional shall perform structural observations.

Name: _____ Signature: _____ Date: _____

Contractor: California License No. _____ I am aware of the special inspection requirements.

Name: _____ Signature: _____ Date: _____



Identify special inspections required by CBC chapter 17 for this project. Additional information is provided on the permit documents.

Special Inspection List		
Key: C → Continuous P → Periodic C/P → Continuous/Periodic N → Per Notes	Choose options from dropdown menus	Notes
1704.2.5 – Inspect Fabricator’s Fabrication & Quality Control Procedures	N	
Table 1705.2 – Steel		
1. Material verification of high-strength bolts, nuts, and washers:		
a. Identification markings to conform to ASTM standards specified in the approved construction documents.	P	
b. Manufacturer’s certificate of compliance required.	P	
2. Inspection of high-strength bolting:		
a. Bearing-type connections.	P	
b. Slip-critical connections.	C/P	
3. Material verification of structural steel:		
a. Identification markings to conform to ASTM standards specified in the approved construction documents.	N	
b. Manufacturer’s mill test reports.	N	
4. Material verification of weld filler materials:		
a. Identification markings to conform to AWS designation listed in the WPS.	N	
b. Manufacturer’s certificate of compliance required.	N	
5. Inspection of welding:		
a. Structural steel:		
1) Complete and partial penetration groove welds.	C	
2) Multi-pass fillet welds.	C	
3) Single-pass fillet welds > 5/16”.	C	
4) Plug and slot welds.	C	
5) Single-pass fillet welds ≤ 5/16”.	P	
6) Floor and roof deck welds.	P	
b. Reinforcing steel:		
1) Verification of weldability of reinforcing steel other than ASTM A706.	P	
2) Reinforcing steel-resisting flexural and axial forces in intermediate and special moment frames, and boundary elements of special reinforced concrete shear walls, and shear reinforcement.	C	
3) Shear reinforcement.	C	
4) Other reinforcing steel.	P	
6. Inspection of steel frame joint details for compliance with approved construction documents:		
a. Details such as bracing and stiffening.	P	
b. Member locations.	P	
c. Application of joint details at each connection.	P	
7. Material verification of cold-formed steel deck:		
a. Identification markings to conform to ASTM standards specified in the approved construction documents.	P	
b. Manufacturer’s certified test reports.	P	
Welded Studs when Used for Structural Diaphragms.	P	
Welding of Cold-Formed Sheet Steel Framing Members.	P	
Welding of railing systems at base connection.	P	



Special Inspection List		
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		Notes
Table 1705.3 – Concrete		
1. Inspection of reinforcing steel, including prestressing tendons and placement.	P	
2. Reinforcing bar welding:		
a. Verify weldability of reinforcing bars other than ASTM A706;	P	
b. Inspect single-pass fillet welds, max. 5/16"; and	P	
c. Inspect all other welds.	C	
3. Inspect of anchors cast in concrete.	P	
4. Inspection of anchors post -installed in hardened concrete. (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 work).		
a. Adhesive anchors installed in horizontally or upwardly inclined orientation to resist sustained tension loads.	C	
b. Mechanical anchors and adhesive anchors not defined in 4.a.	P	
5. Verifying use of required design mix.	P	
6. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	C	
7. Inspection of concrete and shotcrete placement for proper application techniques.	C	
8. Inspection for maintenance of specified curing temperature and techniques.	P	
9. Inspection prestressed concrete for:		
a. Application of prestressing forces; and	C	
b. Grouting of bonded prestressing tendons.	C	
10. Inspect erection of precast concrete members.	P	
11. 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.	P	
12. Inspect formwork for shape, location, and dimensions of the concrete member being formed.	P	
1705.4 – Masonry		
Table 1.19.2 TMS 402-11/ACI 530-11/ASCE 5-11 - Level B Masonry Inspections.		
(Risk Category I, II, III structures or IV veneer)		
1. Verify compliance with the approved submittals.	P	
2. As masonry construction begins, verify the following are in compliance:		
a. Proportions of site-prepared mortar	P	
b. Construction of mortar joints.	P	
c. Grade and size of prestressing tendons and anchorages.	P	
d. Location of reinforcement, connectors, and prestressing tendons and anchorages.	P	
e. Prestressing tendons.	P	
f. Properties of thin-bed mortar for AAC masonry:		
1) First 5000 sf. of AAC masonry.	C	
2) After the first 5000 sf	P	
3. Prior to grouting, verify the following are in compliance:		
a. Grout space.	P	
b. Grade, type and size of reinforcement and anchor bolts, and prestressing tendons and anchorages.	P	



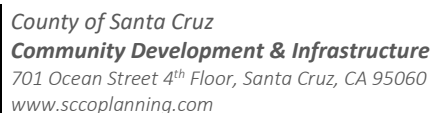
Special Inspection List		
Key: C → Continuous P → Periodic C/P → Continuous/Periodic N → Per Notes		Choose options from dropdown menus
		Notes
c. Placement of reinforcement, connectors, and prestressing grout for bonded tendons.	P	
d. Proportions of site-prepared grout and prestressing grout for bonded tendons.	P	
e. Construction of mortar joints.	P	
4. Verify during construction.		
a. Size and location of structural elements.	P	
b. Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction.	P	
c. Welding of reinforcement.	C	
d. Preparation, construction, and protection of masonry during cold weather (below 40°F) or hot weather (above 90°F).	P	
e. Application and measurement of prestressing force.	C	
f. Placement of grout and prestressing grout for bonded tendons.	C	
g. Placement of ACC masonry units and construction of thin-bed mortar joints.	C/P	
1) First 5000 s.f. of AAC masonry.		
2) After first 5000 s.f.		
5. Observe preparation of grout specimens, mortar specimens, and/or prisms.	P	
Table 1.19.3 TMS 402-11/ACI 530-11/ASCE 5-11 - Level C Masonry Inspections. (Risk Category IV structures)		
1. Verify compliance with the approved submittals	P	
2. Verify that the following are in compliance:		
a. Proportions of site-mixed mortar, grout, and prestressing grout for bonded tendons.	P	
b. Grade, type, and size of reinforcement and anchor bolts, and prestressing tendons and anchorages.		
c. Placement of masonry units and construction of mortar joints.	P	
d. Placement of reinforcement, connectors and prestressing tendons and anchorages.	C	
e. Grout space prior to grouting.	C	
f. Placement of grout and prestressing grout for bonded tendons.	C	
g. Size and location of structural elements.	P	
h. Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames and other construction.	C	
i. Welding of reinforcement.	C	
j. Protection of masonry during cold weather (below 40° F) or hot weather (above 90° F).	P	
k. Application and measurement of prestressing force.	C	
l. Placement of AAC masonry units and construction of thin-bed mortar joints.	C	
m. Properties of thin-bed mortar for AAC masonry.	C	
3. Observe preparation of grout specimens, mortar specimens, and/or prisms.	C	
1705.5 – Wood - Inspect prefabricated wood structural elements and assemblies in accordance with Section 1704.2.5	N	
1705.5.1 – Inspect high-load diaphragms:		
1. Verify grade and thickness of sheathing.	N	
2. Verify nominal size of framing members at adjoining panel edges.	N	



Special Inspection List		
Key: C → Continuous P → Periodic C/P → Continuous/Periodic N → Per Notes	Choose options from dropdown menus	Notes
3. Verify: a. Nail or staple diameter and length, b. Number of fastener lines, c. Spacing between fasteners in each line and at edge margins.	N	
1705.5.2 – Metal-Plate-Connected Wood Trusses Spanning 60 Feet or Greater		
Verify temporary installation of restraint/bracing during construction.	N	
1705.5.2 – Metal-Plate-Connected Wood Trusses with Heights Of 60 Inches or More		
Verify permanent installation of truss member restraint/bracing.	N	
Table 1705.6 – Inspection of Soils		
1. Verify materials below shallow footings are adequate to achieve the designed bearing capacity.	P	
2. Verify excavations are extended to proper depth and have reached proper material.	P	
3. Perform classification and testing of compacted fill materials.	P	
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.	C	
5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.	P	
Table 1705.7 – Driven Deep Foundation Elements		
1. Verify element materials, sizes and lengths comply with the requirements.	C	
2. Determine capacities of test elements and conduct additional load tests, as required.	C	
3. Inspect driving operations and maintain complete and accurate records for each element.	C	
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.	C	
5. For steel elements, perform additional inspections in accordance with Section 1705.2.	N	
6. For concrete elements, perform tests and additional special inspections in accordance with Section 1705.3	N	
7. For specialty elements, perform additional inspections as determined by the registered design professional in responsible charge.	N	
Table 1705.8 – Cast-In-Place Deep Foundation Elements		
1. Inspect drilling operations and maintain complete and accurate records for each element.	C	
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.	C	
3. For concrete elements, perform tests and additional special inspections in accordance with Section 1705.3.	N	
1705.9 – Helical Pile Foundations		
1. Installation, record the following information: a. Installation equipment used b. Pile dimensions c. Tip elevations d. Final depth e. Final installation torque f. Other pertinent installation data as required by the registered design professional	C N	



Special Inspection List		
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1705.12, 1705.13 – Seismic Resistance Inspection & Testing		
1. Structural steel:		
a. Seismic force-resisting system	C	
b. Structural steel elements	C	
2. Structural wood (testing not included):		
a. Field glued elements.	P	
b. Nailing, bolting, anchoring and other fasteners for shear resisting elements for fastener spacing in sheathing 4" or less o.c	C	
3. Cold formed steel (testing not included):		
a. Welding elements.	C	
b. Screws, bolting, anchoring and other fasteners for shear resisting elements for fastener spacing in sheathing 4" or less o.c.	P	
4. Designated seismic systems:		
a. Mechanical.	N	
b. Electrical.	N	
c. Components with hazardous substances.	N	
5. Architectural components:	P	
a. exterior cladding, non-bearing walls, and veneer more than 30' above grade.	P	
b. cladding and veneer weighing more than 5 lbs.	P	
c. Non-bearing walls weighting more than 15 lbs.	P	
Plumbing, Mechanical & Electrical		
1. Electrical equipment anchorage for emergency and standby power systems.	P	
2. Anchorage of electrical equipment in SDC E or F structures.	P	
3. Anchorage of piping carrying hazardous materials and associated mechanical units.	P	
4. Anchorage of ductwork carrying hazardous materials.	P	
5. Anchorage of vibration isolation systems with ¼" or less clearance between equipment and restraint.	P	
6. Minimum 3" clearance of mechanical (including ductwork), electrical, piping systems and their support in fire sprinklered structures when flexible hose fittings are not used.	P	
Storage Rack: Anchorage for racks 8' or more in height.	P	
Seismic Isolation Systems.	P	
Cold-Formed Steel Special Bolted Moment Frames.	P	
1705.14 – Spray Fire-Resistant Materials.		
1. Inspect structural surface.	N	
2. Verify minimum ambient temperature before and after application.	N	
3. Verify ventilation of area during and after application.	N	
4. Measure average thickness per ASTM E 605 and Section 1705.14.4.	N	
5. Verify density of material for conformance with the approved fire-resistant design and ASTM E 605.	N	
6. Test cohesive/adhesive bond strength per Section 1705.14.6.	N	
1705.15 – Mastic & Intumescent Fire-Resistant Coating.	N	
1705.16 - Exterior Insulation & Finish Systems (EIFS).	N	
1705.17 – Fire-Resistant Penetrations & Joints.	N	
1705.18 – Smoke Control System.	N	



Notes: Agencies may not be qualified to perform all aspects of special inspection; and have not been evaluated for geotechnical inspection.
(1) Agencies may have offices in more than one location. (2) Agencies with a "Pending Review" status are recognized. (3) Other agencies may be approved by Santa Cruz County Planning Department's Building Inspection Division.

Key:	RC = Reinforced Concrete	PC = Prestressed Concrete	SM = Structural Masonry	FP = Fireproofing
	HSB = High-Strength Bolting	NDT = Non-destructive Testing	SWC = Structural Wood Construction	SW = Steel Welding

[illegible]



Special Inspection & Testing Agencies Recognized by Santa Cruz County Building Division											
Notes: Agencies may not be qualified to perform all aspects of special inspection; and have not been evaluated for geotechnical inspection. (1) Agencies may have offices in more than one location. (2) Agencies with a "Pending Review" status are recognized. (3) Other agencies may be approved by Santa Cruz County Planning Department's Building Inspection Division.											
Key: RC = Reinforced Concrete PC = Prestressed Concrete SM = Structural Masonry FP = Fireproofing HSB = High-Strength Bolting NDT = Non-destructive Testing SWC = Structural Wood Construction SW = Steel Welding											
Agency Name	Address	Phone/Fax	RC	PC	SM	SW	HSB	NDT	SWC	FP	Expiration
Mid Pacific Engineering, Inc MPE	4200 N. Freeway Blvd., Ste. 5 Sacramento, CA 95834	(916) 927-7000	X	X	X	X	X	X		X	3/12/2023
Moore Twining Associates, Inc.	2527 Fresno Street Fresno, CA 93721	(559) 268-7021 (559) 268-0740	X	X	X	X	X			X	8/8/2021
Nicholas Engineering Consultants	6743 Dublin Boulevard, #15 Dublin, CA 94568	(925) 829-8090 (925) 829-0235	X	X	X	X	X		X	X	5/7/2022
Ninyo & Moore	1956 Webster Street, Ste. 400 Oakland, CA 94612	(510) 633-5640 (510) 633-5646	X	X	X	X	X	X	X	X	5/20/2024
NORCON LLC	1661 Tennessee St. Ste. 201 San Francisco, CA 94107	(415) 710-1155	X	X	X	X	X	X	X	X	9/1/2023
Pacific Crest Engineering, Inc.	444 Airport Blvd, Ste. 106 Watsonville, CA 95076	(831) 722-9446 (831) 722-9158	X		X		X				1/7/2022
Professional Service Industries, Inc.	380 Tennant Ave, Ste. 3 Morgan Hill, CA 95037	(408) 669-5500	X		X	X	X			X	3/26/2022
Quantum Geotechnical	6288 San Ignacio Ave. Ste. D San Jose, CA 95119	(408) 629-3822 (408) 629-3825	X	X	X					X	8/10/2019
RES Engineers, Inc.	1250 Missouri Street, Ste. 207 San Francisco, CA 94107	(415) 822-4625 (415) 822-8925	X	X	X	X	X	X	X	X	6/3/2022
RMA Group	130 Archer Street San Jose, CA 95112	(408) 362-4920 (408) 362-4926	X	X	X	X	X	X	X	X	4/2/2022
Signet Testing Laboratories	3526 Breakwater Court Hayward, CA 94545	(510) 887-8484 (510) 783-4295	X	X	X	X	X	X	X	X	1/11/2025
Smith-Emery Company	Box 880550, Hunters Pt. Shipyard, Bldg. 114, San Francisco, CA 94188	(415) 642-7326 (415) 642-7055	X	X	X	X	X	X	X	X	8/17/2023
Stevens Ferrone & Bailey	1600 Willow Pass Court Concord, CA 94520	(925) 688-1001 (925) 688-1005	X	X	X	X	X		X	X	3/6/2022
Structure Groups	2352 Research Drive Livermore, CA 94550	(925) 447-9900 (925) 447-9901	X	X	X	X	X		X	X	2/2/2021
Summit Associates	2300 Clayton Road, Ste. 1380 Concord, CA 94520	(925) 363-5560 (925) 363-5511	X	X	X	X	X	X	X	X	12/12/2022
Terracon Consultants, Inc	5075 Commercial Circle, Ste. E Concord, CA 94520	(925) 348-9057	X	X	X	X	X	X		X	4/9/2024
Testing Engineers Inc.	2811 Teagarden Street San Leandro, CA 94577	(510) 835-3142 (510) 834-3777	X	X	X	X	X	X	X	X	10/25/2024
Twining	1572 Santa Ana Avenue Sacramento, CA 95838	(916) 649-9000 (916) 921-8532	X	X	X	X	X			X	2/2/2024
Valley Inspection	326 Woodrow Avenue Vallejo, CA 94591	(707) 552-7037 (707) 552-7022				X			X	X	6/6/2025
Wallace-Kuhl & Associates, Inc.	3050 Industrial Blvd West Sacramento, CA 95691	(916) 372-1434 (916) 372-2565	X	X	X	X	X	X		X	8/21/2023