



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 spanning 60 feet or greater.
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: _____



**CONTRA COSTA COUNTY
DEPARTMENT OF CONSERVATION & DEVELOPMENT
BUILDING INSPECTION DIVISION
30 Muir Road
Martinez, CA 94553**

**RECOGNIZED SPECIAL INSPECTION AND TESTING AGENCIES
EFFECTIVE 09/04/18 -09/04/19**

Key **RC**=Reinforced Concrete **PC**=Prestressed/Post-tensioned Concrete **SM**=Structural Masonry
 SS=Structural Steel Welding/Bolting **FP**=Spray-Applied Fireproofing **URM**= Unreinforced Masonry Push/Torque Tests Only
 PDC = Piling, Drilled Piers & Caissons **GEF** = Grading, Excavation, & Filling

Agency Name	HQ Address	Phone/Fax	RC	PC	SM	SS	FP	URM	PDC	GEF
A1 Inspection Services	1754 Mission Street San Francisco, CA 94109	(415) 621-8001 (415) 358-4409	X	X	X	X	X			
Achievement Engineering Corp.	2455 Autmnvale Drive, Unit E San Jose, CA 95131	(408) 217-9174 (408) 217-9632	X	X	X	X	X	X	X	X
Achievement Engineering Corp.	250 King Street, Suite 1108 San Francisco, CA 94107	(800) 653-1397 (408) 217-9632	X	X	X	X	X	X	X	X
Achievement Engineering Corp.	5070 North 6 th Street Fresno, CA	(408) 217-1974 (408) 217-9632	X	X	X	X	X	X	X	X
AECOM Technical Services	300 Lakeside Drive Suite 400 Oakland, CA 94612	(510) 893-3600							X	
AGS Inc.	5 Freelon Street San Francisco, CA 94107	(415) 777-2166 (415) 777-2167	X						X	X
Alan Kropp & Associates, Inc. (Geotechnical Consultants)	2140 Shattuck Avenue, Suite 910 Berkeley, CA 94704	(510) 841-5095 (510) 841-8357							X	X
Alta Vista Solutions	6475 Christie Avenue, Suite 425 Emeryville, CA 94608	(510) 594-0510 (510) 5940511	X	X	X	X	X	X		
Applied Materials & Engineering, Inc.	980 41 st Street Oakland, CA 94608	(510) 420-8190 (510) 420-8186	X	X	X	X	X	X		
B.S.K. Associates	1181 Quarry Lane, #350 Pleasanton, CA 94566	(925) 462-4000	X	X	X	X	X	X		
BAGG	138 Charcot Avenue San Jose, CA 95131	(650) 852-9133 (650) 852-9138	X	X	X	X	X	X	X	X
Berlogar Geotechnical Consultants	5587 Sunol Boulevard Pleasanton, CA 94566	(925) 484-0220 (925) 846-9645	X	X						
Biggs Cardosa Associates, Inc.*	1871 The Alameda, Suite 200 San Jose, CA 95126	(408) 296-5515 (408) 296-8114	X	X	X	X		X		
Cal Engineering & Geology, Inc (CE&G)	1870 Olympic Blvd., Suite 100 Walnut Creek, CA 94596	(925) 935-9771 (925) 935-9773	X						X	
Capex Engineering Inc.	74 Shanico Common Fremont, CA 94539	(510) 668-1815 (510) 490-8690	X	X	X	X	X	X		
Consolidated Engineering Labs	2001 Crow Canyon Rd., Ste 100 San Ramon, CA 94583-5387	(925) 314-7100 (925) 855-7140	X	X	X	X	X	X	X	X
Construction Materials Testing, Inc.	2278-F Pike Court Concord, CA 94520-1252	(925)825-2840 (925)682-7953	X	X	X	X	X	X		
Construction Testing & Engineering, Inc.	242 West Larch Road, Suite F Tracy, CA 95304	(800) 576-2271 (209) 839-2895	X	X	X	X	X	X		
Construction Testing Services	2142 Rheem Drive, Suite E Pleasanton, CA 94588	(925) 462-5151 (925) 462-5183	X	X	X	X	X	X		
Dynamic Consultants, Inc	1300 Space Park Way Mountain View, CA 94043	(650) 967-6982 (650) 967-6955	X	X	X	X	X	X		
Earth Systems Consultants	47853 Warm Springs Blvd. Fremont, CA 94539-7400	(510) 353-0320 (510) 353-0344	X	X	X	X	X	X		
Earthtec Ltd.	1830 Vernon Street, Ste 7 Roseville, CA 95678	(916) 786-5263 (916) 786-5263	X	X	X	X	X	X		
ENGEO Incorporated	Crow Canyon Rd., Suite 200 San Ramon, CA 94583-1545	(925) 838-1600 (925) 838-7425	X	X	X	X	X	X		
ESI (Earthquake & Structures, Inc.)	6355 Telegraph Ave., Ste. 101 Oakland, CA 94609	(510) 601-1065 (510) 601-1808	X	X	X	X			X	

Agencies have not been evaluated for geotechnical special inspection or nondestructive testing. Agencies may not be qualified to perform all aspects of special inspection. Agencies may have offices in more than one location. Chief Building Officials may add and/or remove from this list.
 * Agency Subcontracts Laboratory Services.
 ** Inclusion as a recognized special inspection and testing agency is conditional upon receipt of agreement letter with approved concrete testing laboratory.
 *** Pacific InterWest Building Consultant approved for Shear/Diaphragm Nailing Only.

Agency Name	HQ Address	Phone/Fax	RC	PC	SM	SS	FP	URM	PDC	GEF
Forsythe Engineering Consultants*	1760 Industrial Way Suite 1 Napa, CA 94558	(707) 259-1292 (707) 259-1393				X	X	X		
HP Inspections	690 Sunol Street, Bldg. H San Jose, CA 95123	(408) 288-8460 (408) 271-0902	X	X	X	X	X	X		
Hultgren – Tillis Engineers	2221 Commerce Avenue, Suite A-1 Concord, CA 94520	(925) 685-6300 (925) 685-6768							X	X
Inspection Consultants	1515 North C Street Sacramento, CA 95814	(916) 321-5580 (916) 321-5590	X	X	X	X	X	X		
Inspection Consultants	315 14 th Street, Suite 2 Oakland, CA 94612	(510) 635-9211	X	X	X	X	X	X		
Inspection Services Inc.	1798 University Ave Berkeley CA 94703	(415) 243-3265 (415) 243-3266	X	X	X	X	X	X		
KC Engineering Co.	865 Cotting Lane, Suite A Vacaville, CA 95688	(707) 447-4025 (707) 447-4143	X	X	X	X	X	X	X	X
Kleinfelder Inc.	7133 Koll Center Parkway #100 Pleasanton, CA 94566	(925) 484-1700 (925) 484-2977	X	X	X	X	X	X		
Korbmacher Engineering Inc.	480 Preston Court, Suite B Livermore, CA 94551	(925) 454-9033 (925) 454-9564	X	X	X	X				
Krazan and Associates Inc.	545 Parrott Street San Jose, Ca 95112	(408) 271-2200 (408) 271-2201	X	X	X	X	X	X		
MatriScope, Inc	3102 Industrial Boulevard West Sacramento, CA 95691	(510) 763-3601 (510) 763-1388	X	X	X	X	X	X		
Mid Pacific Engineering, Inc. (MPE)	840 Embarcadero Dr. Ste. 20 West Sacramento, CA 95605	(916) 927-7000 (916) 372-9900	X	X	X	X	X		X	X
Mid Pacific Engineering, Inc. (MPE)	2915 Innsbruck Dr. Ste. A Redding, CA 96003	(530) 246-9499 (530) 246-9527	X	X	X	X	X		X	X
Neil O. Anderson and Associates	902 Industrial Way Lodi, CA 95240	(209) 367-3701 (209) 333-8303	X	X	X	X	X			
Nichols Consulting Engineers	501 Canal Blvd, Suite C Point Richmond, CA 94804	(510) 215-3620 (510) 215-2898							X	
Nichols Engineering Consultants*	6743 Dublin Boulevard, #15 Dublin, CA 94568	(925) 829-8090 (925) 829-0235	X	X	X	X	X	X		
Ninyo & Moore	2020 Challenger Drive, Suite 103 Alameda, CA 94501	(510) 343.3000 (510) 343-3001	X	X	X	X	X			
Ninyo & Moore	2149 O'Toole Ave. Suite 30 San Jose, CA 95131	(408) 435-9000 (408) 435-9006	X	X	X	X	X	X	X	X
Northbay Inspection and Technical Service (NIS)	2089 West F Street Napa, CA 94558	(707) 738-9369	X	X	X	X	X			
Pacific InterWest Building Consultants***	1600 S. Main Street, Suite 380 Walnut Creek, CA 94596	(925) 939-5500 (925) 939-9561								
Paragon Geotechnical, Inc.	1049 Kimi Way Placerville, CA 95667	(530) 642-2281	X						X	X
PJC & Associates**	600 Martin Ave, Suite 210 Rohnert Park, CA 94928	(707) 584-4804 (707) 584-4811	X	X	X	X			X	X
PSI	365 Victor Street, Suite C Salinas, CA 93907	(831) 757-3536 (831) 757-6265	X	X	X	X	X	X		
Quantum Geotechnical, Inc	6288 San Ignacio Avenue Ste D San Jose, CA 95119	(408) 629-3822 (408) 629-3825	X	X		X	X	X	X	X
Quantum Geotechnical, Inc	1110 Burnett Avenue Concord, CA 94520	(925) 788-2751	X	X		X	X	X	X	X
RES Engineers, Inc.	1250 Missouri Street Ste. 207 San Francisco CA 94107	(415) 822-4625 (415) 822-8925	X	X	X	X	X	X		
RMA Group	5075 Commercial Circle, Unit C Concord, CA 94520	(325) 243-6662 (925) 798-1206	X	X	X	X	X			
Salem Engineering Group, Inc	4055 West Shaw Ave., Suite 110 Fresno, CA 93722	(559) 271-9700 (559) 275-0827	X		X	X	X		X	X
Signet Testing Laboratories	3121 Diablo Avenue Hayward, CA 94545	(510) 887-8484 (510) 783-4295	X	X	X	X	X	X	X	X
Smith-Emery Company	PO Box 880550, Hunters Point Shipyard, Bldg. 114 San Francisco, CA 94188	(415) 330-3000 (415) 330-3030	X	X	X	X	X	X		
Stevens, Ferrone & Bailey Engineering Company, Inc.	1600 Willow Pass Court Concord, CA 94520	(925) 688-1001 (925) 688-1005	X	X	X	X	X			
T. Makdissy Consulting, Inc.	6280 San Ignacio Ave., Ste M San Jose, CA 95119	(408) 227-8595 (408) 227-1672	X	X	X		X			

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TEAM Industrial Services, Inc.	4716 East Second Street Benicia, CA 94510	(707) 748-5800 (707) 748-5804	X	X	X	X	X	X	X	X
Terracon Consultants, Inc.	18001 W. 106 th St., Ste 300 Olathe, KS 66061	(925) 609-7224 (925) 609-6324	X	X	X	X	X	X	X	X
Terrasearch Inc.	6840 Via Del Oro, #110 San Jose, CA 95119	(408) 362-4920 (408) 362-4926	X	X	X	X	X	X		
Testing Engineers Inc.	2811 Teagarden Street San Leandro, CA 94577	(510) 835-3142 (510) 834-3777	X	X	X	X	X	X		
Twining Laboratories, Inc.	2527 Fresno Street Fresno, CA 93721	(559) 268-7021 (559) 268-7126	X	X	X	X	X	X		
Valley Inspection Incorporated	326 Woodrow Avenue Vallejo, CA 94591-7302	(707) 552-7037 (707) 552-7022				X				
Wallace Kuhl & Associates, Inc.	3251 Beacon Blvd., Suite 300 3 rd Floor West Sacramento, CA 95691	(916)-372-1434 (916)-372-2565	X	X	X	X	X	X	X	X
Youngdahl Consulting Group, Inc.	1234 Glenhaven Ct. El Dorado Hills, CA 95762	(916) 933-0633 (916) 933-6482	X	X	X	X	X	X	X	X

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Welding/Bolting

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Push/Torque Tests Only