



City of San Leandro
Division of Building & Safety Services
835 East 14th Street San Leandro, CA 94577
Main Line:(510) 577-3405
Kiosk: (510) 577-3423 Fax: (510) 577-3418

TO: BUILDING PERMIT APPLICANT

SPECIAL INSPECTION

Our preliminary review of your project located at

Special Inspection is required.

Please read, complete and return the attached forms to the City of San Leandro Building and Safety Division. Before a Building Permit can be issued, the Owner, General Contractor, Project Architect/Engineer and Special Inspector shall acknowledge the required special inspections, testing and conditions by signing this **Special Inspection and Testing Agreement and Schedule**.

Jerome A. Smith Jr.
Building Official

Project Name: _____

Permit No. _____

The following is the revised Section 1701, Special Inspections, as it appears in the 2013 Edition of the California Building Code

Special Inspections

Section 1705 Types of Work. Except as provided in Section 1701.1 the types of work listed below shall be inspected by a special inspector.

1. **Concrete.1705.3** During the taking of test specimens and placing of reinforced concrete. (*See item 12 for shotcrete*).
Exceptions:
 1. Isolated spread concrete footings of building three stories or less above grade plane that are fully supported on earth or rock.
 2. Continuous concrete footing supporting walls of three stories or less above grade plane are fully supported on earth or rock where:
 - 2.1. The footings support walls of light-framed construction;
 - 2.2 The footings are designed in accordance with table 1809.7 or
 - 2.3 The structural design of footing is based on a specified compressive strength, f' , no greater than 2,500 pounds per square inch (psi) (17.2 MPa), regardless of the compressive strength specified in the construction documents or used in the footing construction.
 3. Non-structural concrete slabs supported directly on the ground, including pre-stressed slabs on grade, on grade, including pre-stressed slabs on grade where effective pre-stress in concrete is less than 150 psi (1.03 MPa).
 4. Concrete foundation walls constructed in accordance with table 1807.1.6.2.
 5. Concrete patios, driveways, and sidewalks, on grade
2. **Bolts installed in concrete.** Prior to and during the placement of concrete around bolts when stress increases permitted by **Table 1908.2 and 1908.2A** are utilized.
3. **Special moment-resisting concrete frame.** For moment frames resisting design seismic load in structures within Seismic Zones 3 and 4, the special inspector shall provide reports to the person responsible for the structural design and shall provide continuous inspection of the placement of the reinforcement and concrete.
4. **Reinforcing steel and pre-stressing steel tendons Section 1910.4**
 - 4.1 During all stressing and grouting of tendons in pre-stressed concrete.
 - 4.2 During placing of reinforcing steel and pre-stressing tendons for all concrete required to have special inspection by Item Number 1.
Exception: The special inspector need not be present continuously during placing of reinforcing steel and pre-stressing tendons, provided the special inspector has inspected for conformance to the approved plans prior to the closing of forms or the delivery of concrete to the jobsite.
5. **Structural Welding Table 1705.2.2**
 - 5.1 **General.** During the welding of any member or connection that is designed to resist loads and forces required by this code.
Exceptions:
 1. Welding done in an approved fabricator's shop in accordance with Section 1704.2.5.2
 2. The special inspector need not be continuously present during welding of the following items, provided the materials, qualifications of welding procedures, and welders are

verified prior to the start of work: Periodic inspections are made of work in progress and a visual inspection of all welds is made prior to completion or prior to shipment of shop welding:

- 2.1 Single-pass fillet welds not exceeding 5/16-inch (7.9mm) in size.
 - 2.2 Floor and roof deck welding.
 - 2.3 Welded studs when used for structural diaphragm or composite systems.
 - 2.4 Welded sheet steel for cold-formed steel framing members such as studs and joists.
 - 2.5 Welding of stairs and railing systems.
- 5.2 Special moment-resisting steel frames.** During the welding of special moment-resisting steel frames. In addition to Item Number 5.1 requirements, nondestructive testing as required by **Section 1703** of this code.
- 5.3 Welding of reinforcing steel.** During the welding of reinforcing steel.
Exception: The special inspector need not be continuously present during the welding of ASTM A 706 reinforcing steel not larger than Number 5 bars used for embedments, provided the materials, qualifications of welding procedures, and welders are verified prior to the start of work; periodic inspections are made of work in progress; and a visual inspection of all welds is made prior to completion or prior to shipment of shop welding.
Section 1705.2.2.1
6. **High-strength bolting.** The inspection of high-strength A 325 and A 490 bolts shall be in accordance with approved nationally recognized standards and the requirements of this section.

While the work is in progress, the special inspector shall determine that the requirements for bolts, nuts, washers and paint; bolted parts; and installation and tightening in such standards are met. Such inspections may be performed on a periodic basis in accordance with the requirements of **Section 1703.1.3** The special inspector shall observe the calibration procedures when such procedures are required by the plans or specifications and shall monitor the installation of bolts to determine that all plies of connected materials have been drawn together and that the selected procedure is properly used to tighten all bolts.

7. Structural masonry. Section 1705.4

- 7.1** For masonry, other than fully grouted open-end hollow-unit masonry, during preparation and taking of any required prisms or test specimens, placing of all masonry units, placement of reinforcement, inspection of grout space, immediately prior to closing of cleanouts, and during all grouting operations.
Exception: For hollow-unit masonry where the $f'm$ is no more than 1,500 psi (10.34 MPa) for concrete units or 2,600 psi (17.93 MPa) for clay units, special inspection may be performed as required for fully grouted open-end hollow-unit masonry specified in Item Number 7.2.
- 7.2** For fully grouted open-end hollow-unit masonry during preparation and taking of any required prisms or test specimens, at the start of laying units, after the placement of reinforcing steel, grout space prior to each grouting operation, and during all grouting operations.

Exception: Special inspection as required in Items Number 7.1 and 7.2 above need not be provided when design stresses have been adjusted as specified in Chapter 21 to permit non-continuous inspection.

8. **Reinforced gypsum concrete** When cast-in-place Class B gypsum concrete is being mixed and placed. **Section 1911 and 1911A**

9. **Insulating concrete fill** During the application of insulating concrete fill when used as part of a structural system. **Section 1912 and 1912A**

Exception: The special inspections may be limited to an initial inspection to check the deck surface and placement of reinforcing. The special inspector shall supervise the preparation of compression test specimens during the initial inspection.

10. **Spray-applied fire-resistive materials.** As required by **CBC 1705A.13**

11. **Piling, drilled piers and caissons.** During driving and testing of piles and construction of cast-in-place drilled piles or caissons. See Items Number 1 and 4 for concrete and reinforcing steel inspection. **Table 1705A.3**

12. **Shotcrete.** During the taking of test specimens and placing of all shotcrete and as required by **Section 1910 and 1910A**

Exception: Shotcrete work fully supported on earth, minor repairs and when, in the opinion of the building official, no special hazard exists.

12. **Special grading, excavation and filling.** During earthwork excavations, grading and filling operations, inspection to satisfy requirements of **Chapter 18 and 18A, Appendix J, Chapter 33.**

14. **Smoke-control system Section 1705A.17**

14.1 During erection of ductwork and prior to concealment for the purposes of leakage testing and recording of device location.

14.2 Prior to occupancy and after sufficient completion for the purposes of pressure difference testing, flow measurements, and detection and control verification.

15. **Special cases.** Work, which, in the opinion of the Building Official, involves unusual hazards.

Special Inspection and Testing Agreement

City of San Leandro Building and Safety Division

To permit applicants of projects requiring special inspection and/or testing per Section 1701 of the 2013 California Building Code:

Before a permit can be issued:

- The owner, or the engineer or architect of record acting as the owner's agent, shall complete this agreement and the attached structural tests and inspections schedule including the required acknowledgements.
- Contractor responsible for the construction shall submit a written statement of responsibility to the Building Official and the owner per section 1706.1 prior to the commencement of work.
- A pre-construction conference with the parties involved is required to review the special inspection requirements and procedures.

Approval of special inspectors: Each special inspector shall be approved by the City of San Leandro Building and Safety Division prior to performing any duties. Each special inspector shall submit his/her qualifications to the Building Division and is subject to a personal interview for pre-qualification. Special inspectors shall display approved identification, as stipulated by the City of San Leandro Building and Safety Division, when performing the function of a special inspector.

Special inspection and testing shall meet the minimum requirements of 2013 California Building Code Section 1704 and 1707. The following conditions are also applicable:

A. Duties and Responsibilities of the Special Inspector

1. Observation of work

The special inspector shall observe the work for conformance with the City of San Leandro Building and Safety Division reviewed (stamped) design drawing and specifications and applicable workmanship provisions of the California Building Code. Architect/engineer-reviewed shop drawings, and/or placing drawing may be used only as an aid to inspection.

2. Reporting nonconforming items

The special inspector shall bring nonconforming items to the immediate attention of the contractor and note all such items in the daily report. If any item is not resolved in a timely manner or is about to be incorporated in the work, the special inspector shall immediately notify the City of San Leandro Building and Safety Division by telephone 510-577-3405 or in person, notify the engineer or architect, and post a discrepancy notice.

3. Furnish daily reports

On request, each special inspector shall complete and sign both the special inspection record and the daily report form for each day's inspections to remain at the jobsite with the contractor for review by the Building Division's inspector.

4. Furnish weekly reports

The special inspector or inspection agency shall furnish weekly reports of tests and inspections directly to the City of San Leandro Building and Safety Division, project engineer or architect, and others as designated. These reports must include the following:

- a. Description of daily inspections and tests made with applicable locations;
- b. Listing of all nonconforming items;
- c. Report on how nonconforming items were resolved or unresolved as applicable; and

- d. Itemized changes authorized by the architect, engineer, and the City of San Leandro Building and Safety Division if not included in nonconformance items.

5. Furnish final report

The special inspector or inspection agency shall submit a final signed report to the City of San Leandro Building and Safety Division stating that all items requiring special inspection and testing were fulfilled and reported, to the best of his/her knowledge, in conformance with the reviewed design drawings, specifications, approved change orders and the applicable workmanship provisions of the CBC. Items not in conformance, unresolved items, or any discrepancies in inspection coverage (i.e., missed inspections, periodic inspections when continuous was required, etc.) shall be specifically itemized in this report.

B. Contractor Responsibilities

1. Notify the special inspector

The contractor is responsible for notifying the special inspector or agency regarding individual inspections for items on the attached schedule and as noted on the City of San Leandro Building and Safety Division reviewed plan. Adequate notice shall be provided so that the special inspector has time to become familiar with the project.

2. Provide access to approved plans

The contractor is responsible for providing the special inspector access to the reviewed plans at the jobsite.

3. Retain special inspection records

The contractor is also responsible for retaining at the jobsite all special inspection records submitted by the special inspector, and providing these records for review by the Building Division's inspector upon request.

C. Approved special inspection

1. Approved special inspection

The City of San Leandro Building and Safety Division shall approve all special inspectors and special inspection requirements.

2. Monitor special inspection

Work requiring special inspection and the performance of special inspectors shall be monitored by the Building Division's inspector. His/her approval must be obtained prior to placement of concrete or other similar activities in addition to that of the special inspector.

3. Issue Certificate of Occupancy

The City of San Leandro Building and Safety Division shall issue a Certificate of Occupancy after all special inspection reports and the final report have been submitted and accepted.

Project Name: _____

Permit No. _____

Special Inspection and Testing Schedule

REINFORCED CONCRETE, GUNITE, GROUT AND MORTAR:

Concrete	Gunite	Grout	Mortar	
				Aggregate Tests
				Reinforcing Tests
				Mix Designs
				Reinforcing Placement
				Batch Plant Inspection
				Inspect Placing
				Cast Samples
				Pick-up Samples
				Compression Tests

Piles	Post-Tens	Pre-Tens	Cladding	
				Aggregate Tests
				Reinforcing Tests
				Tendon Tests
				Mix Designs
				Reinforcing Placement
				Insert Placement
				Concrete Batching
				Concrete Placement
				Installation Inspection
				Cast Samples
				Pick-up Samples
				Compression Tests

MASONRY: Section 1705.4

- _____ Special Inspection Stresses Used
- _____ Preliminary Acceptance Tests (Masonry Units, Wall Prisms)
- _____ Subsequent Tests (Mortar, Grout, Field Wall Prisms)
- _____ Placement Inspection of Units

ADDITIONAL INSTRUCTIONS OR OTHER TESTS AND INSPECTIONS: _____

Form completed by: _____ Title: _____
 Telephone Number: _____
 Signature: _____ Date: _____

Project Name: _____ **Permit No.** _____

STRUCTURAL STEEL/WELDING: Section 1705.2

- _____ Sample and Test (list specific members below)
- _____ Shop Material Identification
- _____ Welding Inspection Shop Field
- _____ Ultrasonic Inspection Shop Field
- _____ High-strength Bolting Inspection Shop Field
- A325 A490 N X F
- _____ Metal Deck Welding Inspection
- _____ Reinforcing Steel Welding Inspection
- _____ Metal Stud Welding Inspection
- _____ Concrete Insert Welding Inspection

FIREPROOFING: Section 1705.13

- _____ Placement Inspection
- _____ Density Tests
- _____ Thickness Tests
- _____ Inspect Batching

INSULATING CONCRETE: Section 1705.3

- _____ Acceptance Tests
- _____ Placement Inspection
- _____ Unit Weights

FILL MATERIAL: Section 1912

- _____ Acceptance Tests
- _____ Placement Inspection
- _____ Field Density

STRUCTURAL WOOD: Section 1705.10.1

- _____ Shearwall Nailing Inspection
- _____ Inspection of Glu-lam Fab.
- _____ Inspection of Truss Joist Fab.
- _____ Sample and Test Components

ACKNOWLEDGMENTS

I have read and agree to comply with the terms and conditions of this agreement.

Owner/Owner's Agent: _____

By: _____ Date: _____

Contractor: _____

By: _____ Date: _____

Special Inspector or Inspection Agency: _____

By: _____ Date: _____

Project Engineer or Architect: _____

By: _____ Date: _____

ACCEPTED FOR THE CITY OF SAN LEANDRO BUILDING AND SAFETY DIVISION:

By: _____ Date: _____

Project Name: _____ **Permit No** _____

City of San Leandro
Special Inspectors' Daily Report

Project Name/Address:

Building Permit Number: _____ Inspector: _____ ID#: _____

Inspection type(s)/coverage: Continuous Periodic

Describe inspections made, including locations:

List test made:

List items requiring correction, corrections of previously listed items, and previously listed uncorrected items:

Comments:

To the best of my knowledge, work inspected was in accordance with the City of San Leandro Building Division approved design drawings, specifications, and applicable workmanship provisions of the UBC except as noted above.

Signed: _____ Date: _____

City of San Leandro
Division of Building & Safety
835 East 14th Street San Leandro, CA 94577
PH (510) 577-3405 FAX (510) 577-3418

RECOGNIZED SPECIAL INSPECTION & TESTING AGENCIES

Updated: October 5, 2015

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

<u>Agency Name</u>	<u>Address</u>	<u>Phone/Fax</u>	<u>RC</u>	<u>PC</u>	<u>SM</u>	<u>SW</u>	<u>HSB</u>	<u>NDT</u>	<u>SWC</u>	<u>FP</u>	<u>EXPIRATION DATE</u>
A 1 Inspection Services	1754 Mission Street San Francisco, CA 94109	(415) 621-8001 (415) 358-4409	X	X	X	X	X	X	X	X	8/7/2015
Achievement Engineering Corp.	434 Camille Circle #13 San Jose, CA 95134	(800) 653-1397 (408) 852-0331	X	X	X		X		X	X	7/10/2015
Advanced Testing & Inspection, LLC	540 Brunken Avenue, Suite B Salinas, CA 93901	(831) 422-2272 (831) 597-2004	X	X	X	X	X			X	2/5/2016
Apex Testing Laboratories, Inc.	3450 Third Street, Suite 3E San Francisco, CA 94124	(415) 550-9800 (415) 550-9880	X	X	X	X	X			X	3/6/2015
Applied Materials & Engineering, Inc.	980 41 st Street Oakland, CA 94608	(510) 420-8190 (510) 420-8186	X	X	X	X	X	X	X	X	4/11/2016
BAGG Engineers	847 West Maude Avenue Sunnyvale, CA 94085-2911	(650) 852-9133 (650) 852-9138	X	X	X	X	X	X		X	09/23/2016
Berlogar, Stevens and Associates	5587 Sunol Boulevard Pleasanton, CA 94566	(925) 484-0220 (925) 846-9645	X	X	X	X	X				6/7/2014 Pending
Biggs Cardosa Associates, Inc.	1871 The Alameda, Suite 200 San Jose, CA 95126	(408) 296-5515 (408) 296-8114	X	X	X	X	X				3/4/2017
B.S.K. Associates	324 Earhart Way Livermore, CA 94551	(925) 315-3151 (925) 315-3152	X	X	X	X	X	X		X	10/2/2015
Capex Engineering Inc.	571 Seville Place Fremont, CA 94539	(510) 668-1815 (510) 490-8690	X	X	X	X	X		X	X	4/3/2015
Consolidated Engineering Labs	2001 Crow Canyon Rd, Suite 100 San Ramon, CA 94583	(925) 314-7100 (925) 855-7140	X	X	X	X	X	X	X	X	8/14/2018
Construction Materials Testing, Inc.	2278-F Pike Court Concord, CA 94520-1252	(925) 825-2840 (925) 682-7953	X	X	X	X	X			X	3/14/2016
Construction Testing Services	2174 Rheem Drive, Suite A Pleasanton, CA 94588	(925) 462-5151 (925) 462-5183	X	X	X	X	X	X	X	X	4/25/2016
Construction Testing & Engineering, Inc.	242 West Larch Road, Suite F Tracy, CA 95304	(209) 839-2890 (209) 839-2895	X	X	X	X	X			X	6/5/2017
Earth System Pacific	780 Montague Expy Suite 205 San Jose, CA 95131	(408) 934-9302 (408) 946-4569	X	X	X	X	X			X	4/3/2015
EARTHTEC, Inc	1830 Vernon Street, Suite 7 Roseville, CA 95678	(916) 786-5262 (916) 786-5263	X	X	X	X	X			X	6/1/2013
ENGEO Incorporated	2010 Crow Canyon Pl., Suite 250 San Ramon, CA 94583-1545	(925) 866-9000 (888) 279-2698	X	X	X	X	X	X	X	X	3/6/2015
Geocon Consultants, Inc.	6671 Brisa Street Livermore, CA 94550	(925) 371-5900 (925) 371-5915	X	X	X		X			X	5/10/2015
Holdrege & Kull	792 Searls Ave Nevada City, CA 95959	(530) 478-1305 (530) 478-1019	X	X	X	X	X	X		X	8/6/2015
HP Inspections	690 Sunol Street, Bldg. H San Jose, CA 95126	(408) 288-8460 (408) 271-0902	X	X	X	X	X	X		X	8/25/2017
Inspection Consultants, Inc.	1515 North C Street Sacramento, CA 95814	(916) 321-5580 (916) 321-5590	X	X	X	X	X			X	10/2/2015

<u>Agency Name</u>	<u>Address</u>	<u>Phone/Fax</u>	<u>RC</u>	<u>PC</u>	<u>SM</u>	<u>SW</u>	<u>HSB</u>	<u>NDT</u>	<u>SWC</u>	<u>FP</u>	<u>EXPIRATION DATE</u>
Inspection Services Inc.	1798 University Avenue Berkeley, CA 94703	(415) 243-3265 (415) 243-3266	X	X	X	X	X	X	X	X	10/2/2015
KC Engineering Co.	865 Cotting Lane, Suite A Vacaville, CA 95688	(707) 447-4025 (707) 447-4143	X	X	X	X	X			X	12/6/2014
Kleinfelder Inc.	21330 Broadway, Suite 1200 Oakland, CA 94612	(510) 628-9000 (510) 628-9009	X	X	X	X	X	X	X	X	10/2/2015
Korbmacher Engineering Inc.	480 Preston Court, Suite B Livermore, CA 94551	(925) 454-9033 (925) 454-9564	X	X	X	X	X		X	X	1/27/2015
Krazan and Associates Inc.	6711 Sierra Court, Suite B Dublin, CA	(925) 307-1160 (925) 307-1161	X	X	X	X	X			X	5/1/2017
MatriScope Engineering Laboratories, Inc	436 14 th Street, Suite 1429 Oakland, CA 94612	(510) 763-3601 (510) 763-1388	X	X	X	X	X	X	X	X	9/24/2015
Moore Twining Associates, Inc.	2527 Fresno Street Fresno, CA 93721	(559) 268-7021 (559) 268-0740	X	X	X	X	X			X	Expired 8/11/2012 Pending Review
Neil O. Anderson and Associates	50 Goldenland Ct., #100 Sacramento, CA 95834	(916) 928-4690 (916) 928-4697	X	X	X	X	X		X	X	4/17/2015
Nicholas Engineering Consultants	6743 Dublin Boulevard, #15 Dublin, CA 94568	(925) 829-8090 (925) 829-0235	X	X	X	X	X		X	X	8/21/2015
Ninyo & Moore	1956 Webster Street, Suite 400 Oakland, CA 94612	(510) 633-5640 (510) 633-5646	X	X	X	X	X			X	7/9/2016
Purcell, Rhoades & Associates, Inc.	1041 Hook Avenue Pleasant Hill, CA 94523	(925) 932-1177 (925) 932-2795	X		X						Expired 10/7/2011
Professional Service Industries, Inc.	365 Victor Street, Suite C Salinas, CA 93907	(831) 757-3536 (831) 757-6265	X		X	X	X			X	5/6/2017
Raney Geotechnical, Inc	3140 Beacon Blvd. West Sacramento, CA 95691	(916) 371-0434 (916) 371-1809	X	X	X	X	X			X	1/28/2017
RES Engineers, Inc.	1250 Missouri Street, Suite 207 San Francisco, CA 94107	(415) 822-4625 (415) 822-8925	X	X	X	X	X	X	X	X	03/08/2017
RMA Group	6293 San Ignacio Ave, Suite A San Jose, CA 95119	(408) 362-4920 (408) 362-4926	X	X	X	X	X			X	02/03/2018
Salem Engineering Group, Inc.	4055 W. Shaw Ave, Suite 110 Fresno, CA 93722	(559) 271-9700 (559) 275-0827	X	X	X	X	X	X			07/24/2018
Signet Testing Laboratories	3121 Diablo Avenue Hayward, CA 94545	(510) 887-8484 (510) 783-4295	X	X	X	X	X			X	7/30/2017
Smith-Emery Company	P.O. Box 880550, Hunters Point Shipyards, Building 114 San Francisco, CA 94188	(415) 642-7326 (415) 642-7055	X	X	X	X	X	X	X	X	1/9/2016
Stevens Ferrone & Bailey	1600 Willow Pass Court Concord, CA 94520	(925) 688-1001 (925) 688-1005	X	X	X	X	X		X	X	7/5/2014 Pending Review
Summit Associates	2300 Clayton Road, Suite 1380 Concord, CA 94520	(925) 363-5560 (925) 363-5511	X		X	X	X	X	X	X	3/6/2015
T. Makdissy Consulting, Inc.	23 Las Colinas Lane, Suite 106 San Jose, CA 95119	(408) 227-8595 (408) 227-1672	X	X	X	X				X	1/29/2016
Testing Engineers Inc.	2811 Teagarden Street San Leandro, CA 94577	(510) 835-3142 (510) 834-3777	X	X	X	X	X	X	X	X	11/20/2017
Twining	1572 Santa Ana Avenue Sacramento, CA 95838	(916) 649-9000 (916) 921-8532	X	X	X	X	X			X	4/3/2015
Valley Inspection	326 Woodrow Avenue Vallejo, CA 94591	(707) 552-7037 (707) 552-7022				X			X	X	2/7/2015
Wallace-Kuhl & Associates, Inc.	3050 Industrial Boulevard West Sacramento, CA 95691	(916) 372-1434 (916) 372-2565	X	X	X	X	X	X		X	4/19/2016
Youngdahl Consulting Group, Inc.	1234 Glenhaven Court El Dorado Hills, CA 95762	(916) 933-0633 (916) 933-6482	X	X	X	X	X	X	X	X	8/17/2015

Agencies may have offices in more than one location.

Agencies with a "Pending Review" status are recognized

Other agencies may be approved by local jurisdictions.