



The Department of Community Development And Sustainability

23 Russell Boulevard, suite 2

Davis, California 95616

(530)757-5610 Fax: (530)757-5660 TDD: (530)757-5666

SPECIAL INSPECTION AND TESTING AGREEMENT

Prior to obtaining the permit, the project owner shall complete, sign, and submit this form to the Building Plan Review Division for approval. A copy of acceptance letter from the selected inspection and / or structural observation agency has to be submitted to BID prior to permit issuance.

Project Address: _____ Permit No. _____

To applicants of projects requiring Special Inspection or Testing per Section 1701.5 of the State of California Building Code, please acknowledge and return this form to the City of Davis. Special Inspection Agencies shall be chosen from the list of approved firms.

BEFORE A PERMIT CAN BE ISSUED: The Owner of his/her representative, on the advice of the responsible Project Engineer or Architect, shall fill out completely, sign and submit two (2) copies of the attached "Structural Tests and Inspection Schedule" to this Department for review and approval.

The Owner and General Contractor and Inspection/Testing Agency, where applicable, shall also acknowledge the following conditions applicable to Special Inspection and/or Testing.

- 1. Inspection/Testing Agency to submit names and qualification of on-site Special Inspectors to the Building Inspection Division for approval PRIOR TO PERMITS BEING ISSUED.
2. All special inspections shall be continuous unless otherwise noted and approved by the Chief Building Official.
3. It is the responsibility of the General Contractor to review City approved plans for additional inspection or testing requirements that may be noted.
4. The General Contractor is responsible for proper notification to the Inspection/Testing Agency for items listed on the back of this form.
5. Testing laboratory personnel only should take samples and transport them to their laboratory.
6. Special Inspectors shall provide detailed weekly reports to the Building Inspection Division of all inspection activities.
7. Copies of all laboratory and inspection reports are to be sent directly to the Building Inspection Division by the Inspection/Testing Agency within a reasonable time to test results.
8. BEFORE A CERTIFICATE OF OCCUPANCY PERMIT CAN BE ISSUED: The Inspection/Testing Agency shall submit a statement that all items requiring testing and inspection have been fulfilled and reported. Those items not tested and/or inspected shall be noted in this statement. A copy of this statement shall be maintained at the job site for the City's Building Inspectors review prior to final inspections.

ACKNOWLEDGEMENTS

Table with 3 columns: Role (Print), Role (Signature), and Date. Rows include Owner, General Contractor, Project Architect or Engineer, Building Official, Structural Observation Agency, Special Inspection/Testing Agency, and Testing Laboratory.

I _____, hereby certify that the Testing/Inspection Agency and/or Structural Observation Agency named above has been engaged to perform structural tests and/or inspections and/or structural observations during construction, as show on the back of this form, to satisfy all applicable portions of the Building Code.

STRUCTURAL TESTS AND INSPECTIONS SCHEDULE
 (See CBC Chapter 17 for Requirements of California Building Code)

PERMIT NO. _____

Whenever any items on this list are ready for sampling, testing, or inspection, it shall be the responsibility of the General Contractor to give timely notice to the Testing/Inspection Agency so that the required services may be performed.

CONCRETE, SHOTCRETE, GROUT AND MORTAR						
CONCRETE	SHOTCRETE	GROUT	MORTAR	CONCRETE STRENGTH (PSI)		
				Aggregate Tests for Designs	Footings fc	
				Suitability of Aggregates	Slab fc	
				Mix Designs	Piers fc	
				Test Panels	Columns fc	
				Batch Plan Inspection	Suspended Slab fc	
				Cement Grab Sample	Light Weight fc	
				Inspect Placing	BLOCK STRENGTH (PSI)	
				Compression Tests		
				Cast Specimens		
				Pick-up Samples	GROUT STRENGTH (PSI)	
				Shrinkage Bars		
				Yield Check	MORTAR STRENGTH (PSI)	
				Air Check		
				Dry Unit Weight		

STRUCTURAL STEEL

- _____ Sample and Test (list specific members above)
- _____ Shop identification and Welding Inspection
- _____ Shop Radiography
- _____ Field Welding Inspection
- _____ Field Bolting Inspection
- _____ Field Ultrasonic Inspection
- _____ Field Radiology
- _____ Metal Deck Welding Inspection

REINFORCING STEEL

- _____ Tensile and Bend, one set per heat per _____ tons
- _____ Inspection of Placement
- _____ Inspection of Welding

PRECAST/POST-TENSIONED CONCRETE

- _____ Reinforcing Tests
- _____ Inspection of Reinforcing Placement
- _____ Tendon Tests
- _____ Inspection of Tendon Placement
- _____ Inspection of Concrete Placing
- _____ Inspection of Concrete Batching
- _____ Inspection of Panel Attach and Inserts
- _____ Inspection of Panel Installation
- _____ Compression Tests
- _____ Inspection of Stressing/Transfer

INSULATING CONCRETE

- _____ Sample and Test
- _____ Unit Weights

ASPHALTIC CONCRETE

- _____ Mix Design
- _____ Inspection of Batch Plant
- _____ Core/Test
- _____ Field Inspection
- _____ Suitability Tests
- _____ Asphalt Content
- _____ Sieve Analysis
- _____ K Factors
- _____ Stabilometer Value
- _____ Steel

UNDERPINNING

- _____ Inspection of Steel Fabrication
- _____ Inspection of Reinforcing and Forms
- _____ Inspection of Concrete Placement
- _____ Inspection of Tiebacks

MASONRY

- _____ Preliminary Acceptance Tests (Masonry Units, Wall Prisms)
- _____ Subsequent Tests (Mortar, Grout, Field Wall Prisms)
- _____ Inspection of Grouting
- _____ Inspection of Placement and Grouting

PILING, CAISSONS, CAPS, TIES

- _____ Inspection of Reinforcing Placement
- _____ Inspection of Concrete Placement
- _____ Inspection of Concrete Batching

FIREPROOFING

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

FILL MATERIAL

- _____ Acceptance Tests
- _____ Moisture Density Determination
- _____ Field Density

STRUCTURAL WOOD

- _____ Inspection of Fabrication
- _____ Inspection of Truss Joist Fab
- _____ Sample/Test Components
- _____ Inspection of Glu Lam Fabrication

ROOFING

- _____ Inspection of Placement
- _____ Sample and Test

OTHER

Additional Instructions or Other Tests and Inspections

Reviewed for the Building Inspection Division by: _____ Date: _____

PERMIT OFFICES

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**APPENDIX A of BID #382
Special Inspection Procedures**

1. The approved special inspection firm shall notify the BID field office prior to the start of inspection duties. Notification shall consist of job address, permit number, name of inspection agency, persons involved with inspection work at the job site, and the type of inspections to be performed.
2. The special inspector shall use plans and specifications approved by BID.
3. Progress reports describing tests and inspections performed, nonconforming work discovered, and any actions taken to correct nonconforming work shall be submitted to BID for documentation and review. All inspection reports shall be signed by the special inspector and the project engineer/ architect if any actions taken by the engineer/ architect are included in the report. All uncorrected deviations from plans or specifications shall be noted on the report. Copies of all laboratory reports shall be available to BID upon request.
4. It shall be the responsibility of the contractor to give timely notice to the inspection agency so that the required services may be performed.
5. Inspections shall be carried out in accordance with all job drawings and specifications. It will be the inspector's responsibility to use adequate and proper methods of testing. BID retains the option of reviewing and rejecting any test procedures it finds insufficient or inaccurate.
6. Only testing laboratory personnel shall take samples and transport them to their laboratory.
7. The special inspector shall consult the Building Official on problems or concerns over the work.
8. Final notification to BID by the special inspection agency shall be submitted stating that all inspection duties as outlined in the "Structural Tests and Inspections Schedules" have been completed and all nonconforming work and resolutions thereof have been addressed. Any required items not inspected shall be noted, accompanied by an explanation as to why such inspections were not performed. This report must be complete and submitted to BID for review before an occupancy permit can be issued. This report shall be wet signed and stamped by the project engineer/ architect of record and also signed by a licensed engineer responsible for the special inspection.

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Approved Special Inspection Firm List

July 2002 (see page 4 for footnotes)

Approved Firms	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Anderson Consulting Group 631 Commerce Drive Roseville, CA 95678 Ph: 786-8883 Fax 786-7891	X	X												
Neil O. Anderson & Associates, Inc. 4221 Northgate Blvd, Ste 6 Sacramento, CA 95834 Ph: 929-9267 Fax: 929-9269	X	X	X		X	X		(4) X	X	X			X	(2) (5)
Blackburn Consulting 3265 Fortune Court Auburn, CA 95602-7847 Phone: (530) 887-1494 Fax: (530) 887-1495	X	X	X	X	X	X	X	X	X	X	X	X	X	(5)
BSK & Associates 3140 Gold Camp Dr., Ste 160 Rancho Cordova, CA 95670 Ph: 853-9293 Fax: 853-9297	X	X	X		X	X	X	X	X	X	X			
Brown & Mills 9940 Business Park Dr., Ste. 140 Sacramento, CA 95827 Ph: 362-5541 Fax 362-3454	X	X	X	X		X	X	X	X	X	X		X	(2) (5)
CAPEX Engineering, Inc. 44356 S. Grimmer Bl. Fremont, CA 94538 Ph: (510) 668-1815 Fax: (510) 490-8690	X		X	X	X	X	X	(4) X	X	X	X	X	X	(2)
Capitol Engineering Labs 631 Commerce Dr., Ste 200 Roseville, CA 95678 Ph: 786-2488 Fax 786-9372			X	X	X	X	X	X	X	X	X		X	(2) (5)
Carlton Engineering Inc. 3932 Ponderosa Rd, Ste 200 Shingle Springs, CA 95682 Ph: (530) 677-5515	X	X	X	X	X	X	X	X	X	X	X			
Consolidated Engineering Labs 201 Harris Ave., Ste. 14 Sacramento, CA 95838 Ph: 568-6700 Fax 568-1212 E-Mail: ART@celsac.com	X	X	X	X	X	X	X	(4) X	X	X	X	X	X	(5)
Construction Testing & Engineering 3628 Madison Ave. Ste 22 North Highlands, CA 95660 Ph: 331-6030 Fax: 331-6037	X	X	X	X	X	X	X	(4) X	X	X	X	X	X	

1 = Pilings, drilled piers, caissons

2 = soil/foundation testing, earth-work

3 = Reinforced concrete (cast in place, pre-cast)

4 = Reinforced concrete (pre-stressed)

5 = Pneumatically placed concrete (gunite)

6 = Reinforcing steel / welding

7 = Pre-stressing steel

8 = Structural steel welding

9 = Structural steel bolting (high strength)

10 = Structural masonry

11 = Insulating concrete

12 = Spray applied fire proofing

13 = Post-tensioning

14 = see notes at end
of this document

Approved Firms	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Construction Testing Services 2142 Rheem Dr., Ste. E Pleasanton, CA 94588 Ph: (925) 462-5151			X	X	X	X	X	(4)X		X		X		
Earthtec Ltd. 1830 Vernon St., Ste. 7 Roseville, CA 95678 Ph: 786-5262 Fax 786-5263	X	X	X								X			
Engeo 2401 Crow Canyon Rd., Ste. 200 San Ramon, CA 94583-1545 Ph: (925) 838-1600	X	X	X	X	X	X	X	(4)X	X	X		X		(5)
Geocon 11375 Sunrise Park Dr, Ste 100 Rancho Cordova, CA 95742 Ph: 852-9118 Fax 852-9132	X	X	X			X		X	X	X	X			(2) (5)
Inspection Consultants, LP 1515 North C St. Sacramento, CA 95814 Ph: 321-5580 Fax 321-5590	X	X	X	X	X	X	X	(4) X	X	X	X	X	X	(1) (5)
J. H. Kleinfelder & Assoc. 3077 Fite Cir. Sacramento, CA 95827 Ph: 366-1701	X	X	X	X	X	X	X	X	X	X	X	X	X	(2) (5)
KC Engineering 895 Cotting Ln, Ste A Vacaville, CA 95688 Ph: (707) 447-4025 Fax: (707) 447-4143	X	X	X	X	X	X	X	X	X	X	X		X	(2)
Kormbacher Engineering, Inc. 480 Preston Ct, Ste B Livermore, CA 94550 Ph: (925) 454-9033 Fax: (925) 454-9564	X	X	X	X	X	X		(4) X	X	X			X	(2) (5)
Krazan & Associates, Inc. 123 Commerce Cr Sacramento, CA 95815 Ph: 564-2200 Fax 564-2222	X	X	X	X	X	X	X	X	X	X	X	X	X	(2) (5)
Matriscope, Inc. 3102 Industrial Blvd West Sacramento, CA 95691 Ph: 375-6700 Fax 375-6702	X	X	X	X	X	X	X	(4) X	X	X	X	X	X	(2) (5)
Pemberton Engineering Mark Pemberton, S.E. 2050 Lyndell Terr. Ste 250 Davis CA 95616 Ph (530) 792-0511 Fax (530) 792-7109														(2) (5)
PSC 4141 Northgate Blvd, Ste. 6 Sacramento, CA 95834 Ph 922-1144 Fax 922-8966			X	X		X		X	X	X	X			(2) (5)
Raney Geotechnical 3140 Beacon Blvd West Sacramento, CA 95691 Ph: 371-0434 Fax 371-1809	X	X	X	X	X	X	X	X	X	X	X	X	X	(2) (5)
Signet Testing Labs 1417 N. Market Bl, Ste. 1 Sacramento, CA 95834 Ph: 568-5858 Fax 568-5813	X	X	X	X	X	X	X	(4) X	X	X	X	X	X	(2) (5)
Smith Emery Company 2527 Del Monte St West Sacramento, CA 95691 Ph: 374-0754 Fax 374-0835	X	X	X	X	X	X	X	X	X	X	X		X	(2) (5)

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- 13 = Post-tensioning
- 14 = see notes at end of this document

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Soil Search Engineering 4088 Bridge St. #9, Fair Oaks, CA 95628 Phone: (916) 966-3902	X	X	X							X				
Testing Engineers, Inc. 2811 Adeline St Oakland, CA 94508 Ph: (510) 835-3142 Fax (510) 834-3777			X	X		X	X	X	X	X	X	X	X	
Twining Laboratories, Inc. 2527 Fresno Street Fresno, CA 93721 Ph: (559) 268-7021 Fax (559) 268-7126	X	X	X	X		X	X	X	X	X	X	X	X	
Wallace-Kuhl & Associates, Inc. 3050 Industrial Blvd West Sacramento, CA 95691 Ph: 372-1434 Fax: 372-2565	X	X	X	X	X	X	X	(4)X	X	X	X	X	X	(2) (5)
Youngdahl Consulting Group, Inc. 1234 Glenhaven Ct El Dorado Hills, CA 95762 Ph: 933-0633 Fax 933-6482	X	X	X	X	X	X	X	X	X	X	X	X	X	(2) (5)

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of this document

Footnotes:

- a. The firms listed in this document have submitted documentation to the Building Inspection Division acknowledging their expertise in the designated areas of Special Inspection and are approved by the City to perform such services.
- b. This list addresses only those inspections required by the Uniform Building Code (UBC) Section 1701. Please contact the firm for a complete listing of inspection services provided.
- c. This list identifies Special Inspection firms approved pursuant to Building Inspection Division Special Inspection Policy.
- d. Where numbers in parenthesis appear on the table, check the following for the designation:
 - (1) Floor flatness testing.
 - (2) Bolts installed in concrete and masonry.
 - (3) Bolts installed in concrete.
 - (4) Including nondestructive testing.
 - (5) Concrete expansion anchors and epoxy or chemical set anchor bolts in existing concrete.
 - (6) Medical gas testing for health care facilities.
 - (7) Reinforced gypsum concrete.
 - (8) Roller compacted concrete.