



CITY OF GRASS VALLEY

BUILDING DEPARTMENT

125 EAST MAIN ST., GRASS VALLEY, CA 95945

BUILDING: (530) 274-4340

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Special Inspection and Testing Procedure

To Building Permit Applicant(s) for projects requiring special inspection and/or testing per Chapter 17 of the 2022 California Building Code:

Project Name: _____

Project Address: _____

APN: _____

Plan Review/Permit Number: _____

Owner's Name: _____

Before a permit can be issued

If special inspection is required, the owner, engineer or architect of record acting as the owner's agent shall read and be familiar with this policy and complete two (2) copies of the Special Inspection Acknowledgment form. The completed form shall become a part of the approved construction documents. A preconstruction meeting may be required prior to the permit being issued. A copy of this policy, the Special Inspection Procedure Acknowledgment form, and the Special Inspection Requirement form will be attached to the approved plan set.

Approval of Special Inspector

Each special inspection agency, testing facility, and special inspector shall be recognized by the Building Official prior to performing any duties. Each special inspection agency must submit to the Building Official, a company profile including resumes of all employees, their certifications, and a list of the type of work for which recognition is requested. Special inspectors shall carry approved identification when performing the functions of a special inspector. Identification cards shall follow the criteria set by the California Council of Testing and Inspection Agencies. No personnel changes shall be made without first obtaining the approval of the Building Official. Any unauthorized personnel changes may result in a "Stop Work Order" and possible permit revocation.

Approved Fabricators

Each fabricator shall be approved by the Building Official. Qualifications of approved fabricators shall be in compliance with 1704 of the California Building Code, 2022 edition. The approved fabricator shall submit a Certificate of Compliance that the work was performed in accordance with the approved plans and specification to the Building Official and the engineer or architect of record. *Note: Fabricator approval may be revoked by the Building Official for just cause.*

Structural Observation

In addition to or in lieu of other special inspection requirements, the engineer or architect of record shall provide structural observation per Section 1704.6 of the California Building Code, 2022 edition when required by the Building Official. This requirement and frequency of inspection shall be per the County of Nevada Special Inspection and Testing Procedure determined prior to permit issuance, at the time of the pre-construction

meeting, or during construction if the Building Official deems structural compliance with the approved plans cannot be reasonably assured without special inspection.

Special Inspection and Testing shall meet the minimum requirements of the California Building Code, Chapter 17. The following conditions are also applicable:

Duties and responsibilities of the Special Inspector and/or Architect or Engineer of Record – Limit of Authority:

The Special Inspector and/or Architect or Engineer of record is NOT AUTHORIZED to do any of the following:

1. To inspect or approve any work for which the building permit has not been issued.
2. Direct any work to commence before the Construction Inspection Section has completed its inspection. Deviations from this procedure must be requested in writing from the Building Official. *Exception: Prefabrication components per Section 1704 of the California Building Code.*
3. To inspect or approve any work other than that for which they are specifically certified.
4. To approve alternative materials, structural changes, or revisions to plans without prior approval of the Building Official.

Observe work

The special Inspector shall observe the work assigned for conformance to the approved design drawings and specifications and the applicable workmanship provisions of the Code. Architect or Engineer reviewed shop drawings may be used only as an aid to inspection. All discrepancies shall be brought to the immediate attention of the contractor for correction, then, if uncorrected, to the proper design authority and to the Building Official. California Building Code Section 1704 states that **Continuous Special Inspection** means that the special inspector is on site at all times observing the work requiring special inspection. California Building Code Section 1704, **Periodic Special Inspection** means that some inspections may be made on a periodic basis and satisfy the requirements of continuous inspection, provided this periodic inspection schedule is performed as outlined in the project plans and specifications and approved by the Building Official.

Report Non-conforming items

The special inspector, or architect or engineer of record, shall bring non-conformance 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 Building Official by telephone or in person, and notify the engineer or architect of record. Any work performed by the contractor or subcontractors following notification by the special inspector is "at risk" and will require subsequent approval by the Building Official.

Furnish daily reports

Each special inspector shall complete and sign the daily report form for each day's inspection. These records are to remain at the job site with the contractor for review by the Building Official. Additionally, the special inspector shall complete the "Special Inspection Record" form attached to the job card each time the special inspector visits the jobsite and makes an inspection. This Special Inspection Record includes information regarding: Inspection type, name of special inspector, identification number, date, notes, and arrival/departure times.

Furnish weekly reports

The special inspector or inspection agency shall furnish a weekly report of tests and inspections directly to the

Building Official, project engineer or architect, and others as designated. These reports include the following:

1. A description of daily inspections and tests made with applicable locations;
2. A listing of all non-conforming items;
3. A report of how non-conforming items were resolved or unresolved as applicable.

Furnish final report

The special inspector or quality control firm shall submit a signed final report to the Building Official, pursuant to Section 1704. Items 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. Any unresolved items must be approved by the Building Official. The report must be signed and stamped by appropriate professional(s), licensed by the State of California. **Final inspection of the structure will not be scheduled until the final report has been reviewed and approved by the Building Official.**

Contractor Responsibilities

- a. **Quality control and Code Compliance.** The contractor is primarily responsible for quality of the work performed and compliance with code requirements.
- b. **Inspector notification.** The contractor shall notify the special inspector at least 24 hours prior to performing any work that requires special inspection and shall provide sufficient lead time for the special inspector at the job site to review the construction documents and perform preparatory work.
- c. **Provide access to plans.** The contractor is responsible for providing the special inspector access to **approved** plans and specifications at the job site.
- d. **Retain special inspection records.** The contractor is also responsible for retaining at the job site all special inspection records submitted by the special inspector and providing these records for review by the Building Inspector upon request.
- e. **Inspection and approval of work.** The contractor shall not perform any work that requires special inspection without the presence of the inspector (s) during the performance of that work. **Work performed without special inspection is to be removed.**
- f. **Final Inspection.** The final inspection may not be scheduled until all reports documenting the special inspection work have been submitted and approved by the Building Official.
- g. **Construction Inspection Section Approval.** Approval of work by the special inspector does not relieve the contractor from obtaining Construction Inspection Section approval for inspections required per Section 110 of the California Building Code.

Owner's Responsibilities

- a. **Special Inspector Employment.** The owner or their agents shall employ a sufficient number of qualified special inspectors to assure inspection without hindering the quality assurance of the work.
- b. **Inspection Continuity.** It is recommended that the owner employ the same special inspection agencies throughout the job to assure continuity. All substitutions of special inspection agencies must have prior approval of the Building Official.
- c. **Final Report.** The owner or their agents are responsible for submittal of a final signed report before a final inspection can be scheduled, per Section 1704 of the California Building Code.
- d. **Preconstruction Meeting.** If required by the Building Official, the owner, contractor, architect, or engineer of record agrees to attend a preconstruction meeting with a representative of the Construction Inspection

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	Grade Beams	Pretension	Precast	Aggregate Tests
				Reinforcing Tests
				Tendon Test
				Mix Designs
				Reinforcing Placement
				Insert Placement
				Concrete Batching
				Installation Inspection
				Cast Samples
				Pick-up Samples
				Compression Tests

Structural Observation by Architect or Engineer

	Foundation Observation
	Framing Observation
	Final Observation
	General Conformance Letters

Masonry

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

Additional Instructions/Other Tests & Inspections

Plans Examiner _____
Requirement specified by (Architect/Engineer of record) _____
Contractor _____
Owner _____

Date _____
Date _____
Date _____
Date _____

Embedded Bolts, Rebar or Inserts

	Bolt/Insert/Rebar Placement Inspection	%
	Bolt/Insert/Rebar Tension Test	%
	Bolt/Insert/Rebar Shear Test	%
	Epoxy Mix & Placement Observation	%

Structural Steel / Welding

	Sample & Test (list specific members below)
	Shop Material Identification
	Welding Inspection: _____ Shop _____ Field
	Ultra Sonic Inspection: _____ Shop _____ Field
	High-Stress Bolting Inspection: _____ A325 _____ Shop _____ Field _____ A490 _____ N _____ X _____ F
	Metal Deck Welding Inspection
	Reinforcing Steel Welding Inspection
	Metal Stud Welding Inspection
	Concrete Insert Welding Inspection

Structural Wood

	Horizontal Diaphragms
	Shear Wall Nailing Inspection
	Inspection of Glu-lam Fabrication
	Inspection of Truss Joint Fabrication
	Sample and Test Components

Geotechnical/Foundation

	Soils Engineer Plan Review Acceptance Letter
	Foundation Excavation
	Pier Holes
	Site Drainage
	Fill Material
	Placement Inspection
	Field Density
	Acceptance Letter

Fireproofing

	Placement Inspection
	Density Tests
	Thickness Tests
	Inspect Batching

RC = Reinforced Concrete
SS = Structural Steel Welding/Bolting

PC = Pre-stressed/Post-tensioned Concrete
G = Geotechnical

SM = Structural Masonry
FP = Spray Applied Fire Proofing

The firms listed here have submitted a statement of qualifications to the County of Nevada Building Inspection Department. This office does not specifically recommend any of these firms but we do recognize them as qualified to perform the special inspections within their field of expertise. We will accept other firms as they submit the proper packet of qualifications.

Agency Name	Address	Phone/Fax	RC	PC	SM	SS	G	FP
Wallace- Kuhl & Associates, Inc.	3050 Industrial Blvd. West Sacramento, CA. 95691	(916) 372-1434 (916) 372-2565(fax)	X	X	X	X	X	X
Youngdahl Consulting Group, Inc.	1234 Glenhaven Court El Dorado Hills, CA 95762	(916) 933-0633 (916) 933-6482(fax)	X	X	X	X	X	X
CGI Technical Services, Inc.	1612 Wedding Way Redding, CA 96003	(530) 244-6277 (530) 244-6276(fax)	X	X	X	X	X	X
Lumos and Associates, Inc.	3259 Esplanade, Suite 102 Chico, CA 95973	(530) 899-9503 (530) 899-9649(fax)	X	X	X	X	X	
An NV5 Company	792 Searls Ave Nevada City, CA 95959	(530) 478-1305 (530) 478-1019(fax)	X	X	X	X	X	X
Kleinfelder West, Inc.	3077 Fite Circle Sacramento, CA 95827	(916) 366-1701 (916) 366-7013(fax)	X	X	X	X	X	X
BSK Associates Engineers & Laboratories	324 Earhart Way Livermore, CA 94551	(925) 315-3151 (925) 315-3152(fax)	X	X	X	X	X	X
SALEM Engineering Group, Inc.	4729 West Jacquelyn Avenue Fresno, CA 93722	(559) 271-9700 (559) 275-0827(fax)	X	X	X	X	X	X
Applied Testing Consultants	3060 Thorntree Drive, Suite 10 Chico, CA 95973	(530) 891-6625 (530) 891-4243(fax)	X	X	X	X	X	X
Moore Twining Associates, Inc.	5675 Power Inn Road, Suite C Sacramento, CA 95824	(916) 381-9477	X	X	X	X	X	X
Valley Inspection Incorporated	326 Woodrow Avenue Vallejo, CA 94591	(707) 552-7037 (707) 552-7022(fax)				X		
Gulf Shore Construction Services	3383 Fitzgerald Road, Suite A Rancho Cordova, CA 95742	(916) 939-4117 (916) 939-4114(fax)	X	X	X	X	X	
ASC Profiles LLC (<i>Approved Fabricator</i>)	10905 Beech Avenue Fontana, CA 92337	(909) 429-6721 (253) 896-8431(fax)				X		
Mid Pacific Engineering (MPE), Inc.	840 Embarcadero Drive, Suite 20 West Sacramento, CA 95605	(916) 927-7000 (916) 372-9900(fax)	X	X	X	X	X	X
James S. Pawluk	4070 Weise Road Carson City, NV 89703	(775) 882-9524				X		
A+ Welding Inspection/Qualification	373 Shannon Road Yuba City, CA 95991	(530) 306-0822				X		
Gularte & Associates, Inc.	1049 Nichols Drive Rocklin, CA 95765	(916) 626-5577 (916) 626-5533(fax)	X	X			X	
CTE Cal, Inc.	3628 Madison Avenue, Suite 22 Sacramento, CA 95660	(916) 331-6030 (916) 331-6037(fax)	X	X	X	X	X	X
Terracon	50 Goldenland Court, Suite 100 Sacramento, CA 95834	(916) 928-4690	X	X	X	X	X	X
Arrow to Tail Welding Inspections	1860 Volley Road Meadow Vista, CA 95722	(530) 329-1184				X		
Construction Testing Services, Inc.	4770 Duckhorn Dr. Sacramento, CA 95834	(916) 419-4747 (916) 419-4774(fax)	X	X	X	X	X	X
Black Eagle Consulting	1345 Capital Boulevard, Suite A Reno, Nevada 89502	(775)-359-6600	X	X	X	X	X	X
ACE Quality Control	1050 Melody Ln, Ste 160 Roseville, CA 95678	(916) 742-5096 (916) 899-5739 fax	X	X	X	X	X	X
Lincoln & Long Engineering Inc.	538 E. Main St. Grass Valley, CA 95945	(530) 273-0503					X	
CTC Testing and Consulting Services	3144 Venture Dr, Suite 100 Lincoln, California 95648	(916)-434-0195	X	X	X	X	X	X
Advanced Special Inspections, Inc	148 Maple Street, Suite D Auburn, CA 95603	(888) 801-0053	X	X	X	X		X

Agency Name	Address	Phone/Fax	RC	PC	SM	SS	G	FP
Norcon LLC	1661 Tennessee St # 201 San Francisco, CA 94107	(415) 710-1155	X	X	X	X	X	X
Kips Engineering Inc.	142 N. Milpitas Blvd #443, Milpitas CA95035	(530) 633-7388	X	X	X	X	X	X
Krazan	4320 Orange Grove Ave, Suite E & F Sacramento CA 95841	(916) 564-2200	X	X	X	X	X	X
American River Welding	11265 Gold Circle, Suite O Rancho Cordova, CA 95742	(916) 804-0874				X		
ECO Foundation Systems Inc*	3104 "O" Street # 415 Sacramento CA, 95816	(916) 709-2551	*					
Matriscope Engineering	601 Burcut Drive Sacramento, CA 95811	(916) 375-6700	X	X	X	X	X	X
Blackburn Consulting	11521 Blocker Drive, Suite 110 Auburn, CA 95603	(530) 887-1494	X		X	X	X	X
Richard Lovelace	3305 Deer Foot Ln. Reno, NV. 89506	(775) 971-9215				X		
The McEdwards Group	14054 Sugar Loaf Grass Valley, CA 95949	(707) 354-4618					X	
Al Almendorf	687 Lillycross Dr. Roseville CA. 95678	(916)784-2422				X		
Geosite Locators	2036 Nevada City Hwy Grass Valley, CA 95945	(805) 844-3401	X		X	X	**	
Raney Geotechnical Inc.	3140 Beacon Boulevard West Sacramento, CA 95691	(916) 371-0434	X	X	X	X	X	X
Nortech	300 Western Road, #3 Reno Nevada 89506	(775) 852-7475	X	X	X	X	X	
Nason's Scanning Service LLC**	1187 Rancho Mirage Dr Sparks, NV 89436	(775) 626-8883						
Consolidated Engineering Laboratories	2001 Crow Canyon Road, Suite 200 San Ramon, CA 945833	(925) 314-7100	X	X	X	X	X	X

*Provides inspection and associated testing of Eco Foundation Systems ground screw anchors only

* *Provides ground penetrating radar services