



# CITY OF PINOLE

CITY HALL

2131 Pear Street  
Pinole, CA 94564

Phone: (510) 724-9000  
FAX: (510) 724-9826

## **SPECIAL INSPECTION AND TESTING**

To applicants of projects is requiring Special Inspection or Testing per Chapter 17 of the California Building Code.

**BEFORE A PERMIT CAN BE ISSUED:** The owner or his representative, on the advice of the responsible Project Engineer or Architect, shall complete, sign, and submit two (2) copies of this form and the structural tests and inspection schedule to this Division for review and approval.

The owner and his general contractor, where applicable, shall also acknowledge the following conditions applicable to Special Inspection and or/Testing.

1. Contractor is responsible for proper notification to the Inspection or Testing agency for items listed.
2. Only the testing laboratory should take samples and transport them to their laboratory.
3. Copies of all laboratory reports and inspections are to be sent directly to this Division by the Testing agency on a weekly basis.
4. Inspection agency to submit names and qualifications of on-site inspectors to this Division for approval. Submission of qualifications is not required when the agency utilizes the inspectors who are pre-approved by the City. See item #10 below. The agency must provide each special inspector with an identification badge that indicates the following:
  - a. Name of Inspector
  - b. Photo of Inspector
  - c. The specific areas in which the inspector is qualified to inspect
  - d. An authorization signature by the registered engineer who is a full-time employee of the agency
5. The special inspector is responsible to the Chief Building Official for immediate notification of any concerns and/or problems encountered.
6. It is the responsibility of the contractor to review the Building Division approved plans for additional inspection or testing requirements that may be noted. A pre-construction conference at the job site is recommended to review special inspection procedures.
7. The special inspector shall use Building Division approved drawings.
8. **BEFORE OCCUPANCY PERMIT CAN BE ISSUED:** The inspection agency shall submit a statement that all items requiring testing and inspection were fulfilled and reported. Those items not tested and/or inspected shall be noted in this statement. A copy of the statement to be maintained at the job site for Building Inspector's review prior to final inspections.
9. Contractor responsible for the construction shall submit a written statement of responsibility to the Building in Official and the owner per Section 1706.1.
10. Attach a City approved matrix list for all special inspectors showing inspection areas for which they are qualified by experience and appropriate certifications (see enclosed).



## **STRUCTURAL TESTS AND INSPECTIONS SCHEDULE**

(Per California Building Code, Section 1704, 1705 or 1708)

Prior to issuance of a building permit, the Owner on the advice of the Architect of Engineer, shall complete, sign and submit this form to the Building Official.

_____	_____
Project Name	Testing/Inspection Agency
_____	_____
Project Address	Authorized Signature of the Testing Agency
_____	_____
Owner's Name (Print)	(Signature) Date

Hereby certifies that the Testing/Inspection Agency named above has been engaged to perform structural test and inspection during construction, as checked below, to satisfy all applicable portions of the Building Code.

Prior to issuance of an occupancy permit, the Inspection Agency shall submit a statement that all items of designated work performed were reported. Any items check but not tested or inspected will be noted and explained.

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

### **REINFORCING STEEL:**

- \_\_\_\_\_ Tensile & Bend, one set per heat per \_\_\_\_ tons
- \_\_\_\_\_ Inspection of Placement
- \_\_\_\_\_ Inspection of Welding

### **MASONRY:**

- \_\_\_\_\_ Preliminary Acceptance Test (Masonry Units, Wall Prisms)
- \_\_\_\_\_ Subsequent Tests (Mortar, Grout, Field Wall Prisms)
- \_\_\_\_\_ Inspection of Grouting
- \_\_\_\_\_ Inspection of placement of Grouting

**CONCRETE, SHOTCRETE, GROUT & MORTAR**

CONC.	SHOT.	GROUT	MORTAR	
				Aggregate Tests for Design
				Suitability of Aggregates
				Mix Designs
				Test Panel
				Batch Plant Inspection
				Cement Grab Sample
				Inspection Placing
				Compression Tests
				Cast Specimens
				Pick-Up Samples
				Shrinkage Bars
				Yield Check
				Air Check
				Dry Unit Weight

**PILLING, CAISSONS, CAPS, TIES:**

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

**UNDERPINNING:**

- Inspection of Steel Fabrication
- Inspection of Reinforcing & Forms
- Inspection of Concrete Placement
- Inspection of Tiebacks

**PRECAST/POST TENSIONED CONCRETE**

- Reinforcing Tests
- Inspection of Reinforcing Placement
- Tendon Test
- Inspection of Tendon Placement
- Inspection of Concrete Placement
- Inspection of Concrete Batching
- Inspection of Panel Attachment & Inserts
- Compression Tests
- Inspection of Stressing/Transfer

**STRUCTURAL STEEL:**

- Sample & Test (list specific members below)
- Shop Identification & Welding inspection
- Shop Ultrasonic Inspection
- Shop Radiography
- Field Welding Inspection
- Field Bolting Inspection
- Field Ultrasonic Inspection
- Field Radiography
- Metal Deck Welding Inspection

**ASPHALTIC CONCRETE:**

- Mix Designs
- Inspection of Batch Plant
- Core/Test
- Field Inspection
- Suitably Test
- Specific Gravity
- Asphalt Content
- Sieve Analysis
- K Factors
- Stabilometer Valve
- Swell

**INSULATING CONCRETE:**

- Sample & Test
- Unit Weights

**FIREPROFFING:**

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

**Seismic Resisting Elements (Periodic Special Inspection is Required, UON):**

**Structural Wood:**

- Field Gluing (continues inspection)
- Nailing and Bolting
- Anchoring of Other Fastening: Specify Here:

**Cold-formed Steel Framing:**

- Screw Attachment
- Bolting
- Anchoring of Other Fastening: Specify Here:

**Storage Racks and Access Floors**

- Anchorage of Access Floor
- Anchorage of Storage Rack 8 feet or Greater

**Erection & Fastening of Architectural Components: Fastening of Mechanical & Electrical Components**

- |   |  |
|---|--|
| <input type="checkbox"/> Exterior Cladding                      | <input type="checkbox"/> Electrical Equipment for Emergency or Standby Power                       |
| <input type="checkbox"/> Interior and Exterior Nonbearing Walls | <input type="checkbox"/> Anchorage of Other Electrical Equipment in Seismic Design Category E or F |
| <input type="checkbox"/> Interior Exterior Veneer               |  |
| <input type="checkbox"/> Installing of Piping Systems           |  |
| <input type="checkbox"/> Installing of HVAC Duct Work           |  |

***Specify if Other Tests, Inspections or Special Instructions are Required for the Project***

**STRUCTURAL WOOD:**

- Inspection of Fabrication
- Inspection of Truss Joist Fabrication
- Samples & Test Components
- Inspection of Glu Lam Fabrication

**FILL MATERIAL:**

- Acceptance Tests
- Moisture-Density Determination
- Field Density

**ROOFING:**

- Inspection of Placement
- Sample Test

**OTHERS:**

- Epoxy Anchors
- Anchor Bolts Installed in Concrete

**SAMPLE MATRIX**  
**INSPECTOR QUALIFICATIONS MATRIX**

<b>Inspector Name</b>	<b>Date of Hire</b>	<b>RC*</b>	<b>SM*</b>	<b>PC*</b>	<b>SSW</b>	<b>FP</b>
Inspector A	05/04/99	X	X	I-T	I-T	
Inspector B	07/31/98	X	X			
Inspector C	10/01/00	X	X	X	X	
Inspector D	10/01/00	X	X	I-T	I-T	X
Inspector E	10/01/00	X	X	I-T		
Inspector F	08/01/01	X	X		X	
Inspector G	01/11/01				I-T	
Inspector H	06/17/99	X	X		I-T	
Inspector I	09/22/99				I-T	
Inspector J	06/26/00	X	X	I-T	I-T	
Inspector K	10/16/00	X	X		X	

**Legend:**

RC= Reinforced Concrete  
 SM= Structural Masonry  
 PC= Prestressed Concrete

SSW= Structural Steel & Welding  
 FP= Fireproofing

I-T= In-training as lacking certification and/or experience

X= Meets experience and certain certification criteria

\*=American Concrete Institute (ACI) Grade 1- is required

**THIS LIST IS NOT ALL INCLUSIVE**  
**Recognized Special Inspection & Testing Agencies**

Key: RC= Reinforced Concrete  
 SS= Structural Steel Welding/Bolting  
 PC= Pre-stressed/Post-tensioned concrete

FP= Spray-Applied Fireproofing  
 SM= Structural Masonry  
 URM= Unreinforced Masonry Push

Company Name	Address	Phone & Fax	URM	RC	PC	SM	SS	FP	Expiration Date
A1 Inspection Services	1754 Mission Street San Francisco, CA.	(415) 621-8001 (415) 358-4409		X	X	X	X		5/1/2018
Achievement Engineering	434 Camille Circle # 13 San Jose, CA.	(408) 653-1397 (408) 217-9632		X	X	X	X	X	5/1/2018
Applied Materials	980 41 <sup>st</sup> Street Oakland, CA	(510) 420-8090 (510) 420-8186		X	X	X	X	X	5/1/2018
Bear Testing Labs	29350 Union City Blvd Union City, CA 94587	(510) 489-5550 (510) 477-9880	X	X	X	X	X	X	5/1/2018
B.S.K Associates	1181 Quarry Lane # 350 Pleasanton, CA	(925) 462-4000 (925) 462-6283	X	X	X	X	X	X	5/1/2018
BAGG Engineers	130 Charcot Ave. San Jose, CA 95131	(650) 852-9133 (650) 852-9138		X	X	X	X	X	5/1/2018
Berlogar Geotechnical	5587 Sunol Blvd Pleasanton, CA	(925) 484-0220 (925) 846-9645		X	X	X	X	X	5/1/2018
Biggs Cardosa	1871 The Alameda Suite 200	(408) 296-5515 (408) 296-8114	X	X	X	X	X		5/1/2018
Consolidated	2001 Crow Canyon Road Ste. 100	(925) 314-7100 (925) 855-7140		X	X	X	X	X	5/1/2018
Construction Testing	2142 Rheed Drive Pleasanton, CA.	(925) 462-5151 (925) 462-5183	X	X	X	X	X	X	5/1/2018
Earth System Pacific	446 S. Hillview Drive Milpitas, CA	(408) 934-9302 (408) 946-4569	X	X	X	X	X	X	5/1/2018
ENGEO Inc.	2010 Crow Canyon Place Suite 250	(925) 866-9000 (925) 279-2698		X	X	X	X	X	5/1/2018
Inspection Services	Pier 26 Embarcadero San Francisco, CA	(415) 243-3265 (415) 243-3266		X	X	X	X	X	5/1/2018
KC Engineering	865 Cotting Lane Suite A Vacaville, CA	(707) 447-4025 (707) 447-4143		X	X	X	X	X	5/1/2018
Kleinfelder Inc	2601 Barrington Ct. Hayward, CA.	(925) 484-1700 (510) 887-5932		X	X	X	X	X	5/1/2018
MatriScope Engineering	436 14 <sup>th</sup> St. Ste. 1429 Oakland, CA	(510) 763-3601 (510) 763-1388		X	X	X	X	X	5/1/2018
Moore Twinning	5675 Powers Inn Rd. Ste. C. Sacramento	(916) 381-9477 (916) 381-9478		X	X	X	X	X	5/1/2018

MPE	4200 North Freeway Blvd	<b>(916) 927-7000</b>		X	X	X	X	X	5/1/2018
Nicholas Engineering	6743 Dublin Blvd.15 Dublin, CA. 94568	<b>(925) 829-8090</b> <b>(925) 829-0235</b>	X	X	X	X	X	X	5/1/2018
North American	4713 Enterprise Way Modesto, CA	<b>(209) 545-1108</b>		X	X	X	X	X	5/1/2018
PSI	365 Victor St. Ste. C	<b>(831) 757-3536</b> <b>(831) 757-6265</b>		X	X	X	X	X	5/1/2018
RMA Group	3140 Beacon Blvd W. Sacramento, CA	<b>(916) 371-0434</b> <b>(916) 371-1809</b>		X	X	X	X	X	5/1/2018
Salem Engineering	4729 West Jacqueline Avenue	<b>(559) 271-9700</b> <b>(559) 275-0827</b>		X	X	X	X	X	5/1/2018
Stevens, Ferrone & Bailey	1600 Willow Pass Rd Concord, CA	<b>(925) 688-1001</b> <b>(925) 688-1005</b>	X	X	X	X	X	X	5/1/2018
Terracon Consultants	3140 Gold Camp Dr. Ste. 170	<b>(916) 858-1570</b> <b>(916) 858-8277</b>		X	X	X	X	X	5/1/2018
Testing Engineers Inc	2811 Teagarden St. San Leandro, CA.	<b>(510) 835-3142</b> <b>(510) 834-3777</b>		X	X	X	X	X	5/1/2018
Moore Twinning Associates	2527 Fresno St Fresno, CA	<b>(559) 268-7021</b> <b>(559) 268-7126</b>		X	X	X	X	X	5/1/2018
Valley Inspections Inc	326 Woodrow Ave Vallejo, CA	<b>(707) 552-7037</b> <b>(707) 552-7022</b>		X	X	X	X	X	5/1/2018
Wallace Kuhl & Associates	3410 W. Hammer Ln. Stockton, CA.	<b>(209) 234-7722</b> <b>(209) 234-7727</b>		X	X	X	X	X	5/1/2018

**NOTE: In order to be recognized for projects requiring Building Permits, those firms with not listed must submit qualification packets to Building Department and be approved PRIOR to performing required Special Inspections services. The City does not endorse merely prequalify the listed firms.**