



DSA-103 rev 12/20/13

**Statement of Structural Tests & Special Inspections - 2013 CBC**

INCREMENT #

DSA File No.:

7-36

Application No.:

01-115082

Date Submitted:

Revised:

Revised:

<b>School Name</b>	Willow Cove ES	<b>District</b>	Pittsburg USD
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**IMPORTANT:** This form is only a summary list of structural tests and special inspections required for the project. The actual tests and inspections must be performed as detailed on the DSA approved documents. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A.  
**NOTE:** This form is also available for projects submitted for review under the 2007 and 2010 CBC.

**INSTRUCTIONS:** Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. An "X" before a listed test or inspection indicates it is a mandatory requirement. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be clicked indicating your selection of that test. Note: A minus (-) on a category or subcategory heading indicates that it can be collapsed. However, any selections you may have made will be cleared. Click on the "COMPILE" button to show only the tests finally selected. For more information on use of this form, see DSA-103.INSTR.

Note: References are to the 2013 edition of the California Building Code (CBC) unless otherwise noted.

	TEST OR SPECIAL INSPECTION	TYPE <sup>1</sup>	PERFORMED BY <sup>2</sup>	CODE REFERENCE AND NOTES
-	<b>SOILS</b>			
	<b>1. GENERAL:</b>			Table 1705A.6
X	a. Verify that: • site has been prepared properly prior to placement of controlled fill and/or excavations for foundations, • foundation excavations are extended to proper depth and have reached proper material, and • materials below footings are adequate to achieve the design bearing capacity.	Periodic	GE*	* By geotechnical engineer or his or her qualified representative.
-	<b>2. COMPACTED FILLS:</b>			Table 1705A.6
X	a. Perform qualification testing of fill materials.	Test	Lab*	* Under the supervision of the geotechnical engineer.
X	b. Verify use of proper materials and inspect lift thicknesses, placement, and compaction during placement of fill.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
X	c. Test compaction of fill.	Test	Lab*	* Under the supervision of the geotechnical engineer.
+	<b>3. DRIVEN DEEP FOUNDATIONS (PILES):</b>			Table 1705A.7
+	<b>4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS):</b>			Table 1705A.7
+	<b>5. RETAINING WALLS:</b>			
+	<b>6. OTHER SOILS:</b>			
-	<b>CONCRETE</b>			Table 1705A.3
-	<b>7. CAST IN PLACE CONCRETE</b>			
	<b>Material Verification and Testing:</b>			
X	a. Verify use of required design mix.	Periodic	SI & PI*	* To be performed by batch-plant special inspector and project inspector.
X	b. Test reinforcing steel.	Test	Lab	1913A.2 (1913.2.6*), ASTM A370. DSA IR 17-10



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X	c. Perform slump, temperature, and (where required) air content tests.	Test	Lab	ASTM C172, ASTM C31.
X	d. Test concrete (compression).	Test	Lab	ACI 318 Section 5.6 and 1905A.1.2 (1913.3.1*). ASTM C39.
<b>Inspection:</b>				
X	e. Batch plant inspection	Continuous	SI	1705A.3.2: If approved by DSA, batch plant inspection may be reduced to periodic if plant complies with 1705A.3.3, Item 1, and requires first batch inspection, weighmaster, and batch tickets.
	f. Batch plant inspection – design complies with 1705A.3.3 item 2	Periodic	SI	1705A.3.3, Item 2. Requires first batch inspection, weighmaster, and batch tickets.
X	g. Inspect placement of formwork, reinforcing steel, embedded items and concrete. Inspect curing and form removal.	Continuous	PI*	* May be performed by a special inspector when specifically approved by DSA.
	h. Welding of reinforcing steel.	Provide special inspection per STEEL, category 19.1(d) & (e) and/or 19.2(g) & (h) below.		
	i. Verify in-situ concrete strength prior to removal of shores and forms from beams and structural slabs.	N/A	PI*	* Project inspector to verify concrete strength test reports prior to removal of shores or formwork.
+	<b>8. PRESTRESSED CONCRETE (in addition to Cast in Place Concrete tests and inspections):</b>			
+	<b>9. PRECAST CONCRETE (in addition to Cast in Place Concrete tests and inspections):</b>			
+	<b>10. SHOTCRETE (in addition to Cast in Place Concrete tests and inspections):</b>			
-	<b>11. POST-INSTALLED ANCHORS:</b>			
X	a. Inspect installation of post-installed anchors	Continuous	SI	Table 1705A.3 * May be performed by the project inspector when specifically approved by DSA.
X	b. Test post-installed anchors.	Test	Lab	1913A.7 (1913.2.11*).
+	<b>12. OTHER CONCRETE:</b>			
+	<b>MASONRY</b>	TMS 402-11/ACI 530-11/ASCE 5-11 Table 1.19.3		
+	<b>STEEL</b>	Table 1705A.2.1		
-	<b>WOOD</b>			
-	<b>24. PREFABRICATED WOOD STRUCTURAL ELEMENTS:</b>		Section 1705A.5	
X	a. Inspect fabrication of structural glued-laminated timber.*	Continuous	SI	* see 1705A.5.4 for exceptions
	b. Inspect fabrication of manufactured open-web trusses.	Continuous	SI	1705A.5.5 and DSA IR 23-4
	c. Inspect fabrication of manufactured metal plate connected trusses.	Continuous	SI	1705A.5 and DSA IR 23-8
+	<b>25. OTHER WOOD:</b>			
+	<b>OTHER</b>			



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**KEY to Columns**

1 Type -	2 Performed By -
<b>Continuous</b> - Indicates that a continuous special inspection is required	<b>GE</b> - Indicates that the special inspection is to be performed by a registered geotechnical engineer or his or her authorized representative
<b>Periodic</b> - Indicates that a periodic special inspection is required	<b>Lab</b> - Indicates that the test or inspection is to be performed by a testing laboratory accepted in the DSA laboratory Evaluation and Acceptance (LEA) Program. See section 4-335, 2013 CCR Title 24, Part 1.
<b>Test</b> - Indicates that a test is required	<b>PI</b> - Indicates that the special inspection is to be performed by the project inspector
	<b>SI</b> - Indicates that the special inspection is to be performed by a special inspector
<b>COMPILE</b>	<b>PRINT</b>

RUP CHAND

Name of Architect or Engineer in general responsible charge

Name of Structural Engineer (When structural design has been delegated)

[Signature]

Signature of Architect or Structural Engineer

2/9/16  
date

IDENTIFICATION STAMP  
 DIV OF THE STATE ARCHITECT  
 APP. # \_\_\_\_\_

AC N/A F/LS N/A SS LH

DATE FEB 09 2016