

EXHIBIT A



STATE OF CALIFORNIA DEPARTMENT OF GENERAL SERVICES

DIVISION OF THE STATE ARCHITECT

FORM
DSA-103

INCREMENT #

DSA File No.:
Application No.:

7-C1

01-111139

Statement of Structural Tests and Special Inspections

Date Submitted:

Revised:
Revised:

School Name	DIABLO VALLEY COLLEGE	District	CONTRA COSTA COMMUNITY COLLEGE DISTRICT
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IMPORTANT: This form is only a summary list of the tests and special inspections required on the project. The actual tests and inspections must be performed as detailed on the approved plans and specifications. 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.

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.**

COMPILE Note: All references to the California Building Code (CBC) are to the 2007 edition.

	TEST OR SPECIAL INSPECTION	TYPE**	PERFORMED BY**	CODE REFERENCE AND NOTES
-	SOILS			
-	1. General:			2007 CBC, Table 1704A.7
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 qualified representative.
-	2. Compacted Fills:			2007 CBC, Table 1704A.7
X	a. Perform qualification testing of controlled fill materials.	Test	Lab*	* Under the supervision of a geotechnical engineer
X	b. Verify use of proper materials and inspect lift thicknesses, placement, and compaction during placement of controlled fill.	Continuous	GE*	* By geotechnical engineer or qualified representative.
X	c. Test compaction of controlled fill.	Test	Lab*	* Under the supervision of the geotechnical engineer.
-	4. Pier Foundations:			2007 CBC, Table 1704A.9
X	a. Inspect drilling operations and maintain complete and accurate records for each pier.	Continuous	GE*	* By geotechnical engineer or qualified representative.
X	b. Verify locations of piers.	Continuous	Project	
X	c. Confirm pier diameters, plumbness, bell diameters (if applicable), lengths, and embedment into bedrock (if applicable).	Continuous	GE*	* By geotechnical engineer or qualified representative.
X	e. Concrete piers.	Provide tests and inspections per CONCRETE section below.		
-	5. Retaining Walls:			
X	a. Placement of soil reinforcement, drainage devices, and backfill.	Continuous	GE*	* Placement, compaction and inspection of backfill per Section 1704A.7.1 for fills supporting foundations (see Section 2 above).
X	c. Concrete retaining walls.	Provide tests and inspections per CONCRETE section below.		
-	CONCRETE			(based on 2007 CBC, Table 1704A.4)
-	7. Cast in Place Concrete			
Material Verification and Testing:				
X	a. Verify use of required design mix.	Periodic	*	* To be performed by batch-plant special inspector and project inspector.



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X	b. Test reinforcing steel.	Test	Lab	1916A.2; (see 1916A.4 for waiver). ASTM A370-06.
X	c. Perform slump test, determine the temperature of the concrete, and (where required) perform air content test.	Test	Lab	ASTM C172-04, ASTM C31-98.
X	d. Test concrete (compression test).	Test	Lab	1905A.6. ASTM C39-05.
Inspection:				
X	e. Inspect batching of concrete.	Continuous	Special	1704A.4.3; (see 1704A.4.4 for waiver).
X	f. Inspect placement of formwork, reinforcing steel, embedded items and concrete. Inspect curing and form removal.	Continuous	Project*	* May be performed by a special inspector when specifically approved by DSA.
X	g. Welding of reinforcing steel.	Provide special inspection per STEEL, category 18.4, below.		
X	h. Verify in-situ concrete strength prior to removal of shores and forms from beams and structural slabs.	N/A	Project*	* Project inspector to verify concrete strength test reports prior to removal of shores or formwork.
-	11. Post-installed Anchors:			
X	a. Inspect installation of post-installed anchors	Continuous	Project	Table 1704A.4
X	b. Test post-installed anchors.	Test	Lab	1916A.8
-	MASONRY (based on 2007 CBC, Table 1704A.5.3)			
-	13. Structural Masonry: Check one: f'm = 1500psi <input checked="" type="checkbox"/> 2500psi <input type="checkbox"/>			
Material Verification and testing:				
X	a. Test reinforcing steel.	Test	Lab	1916A.2. ASTM A370-06.
X	b. Test masonry units, mortar and grout (unit strength method).	Test	Lab	1708A.1.4, 2105A.2.2.1 and 2105A.5. ASTM C140-06, C1586-05 & C1019-03.
X	d. Verify proportions of site-prepared mortar and grout and/or verify certification of premixed mortar and plant batched grout.	Periodic	Special	ASTM C780-06.
X	e. Test core-drilled samples in compression and shear.	Test	Lab	2105A.4.
Inspection:				
X	g. Verify size, location and condition of all dowels, construction supporting masonry, etc.	Periodic	Special	
X	h. Verify specified size, grade, and type of reinforcement.	Periodic	Special	
X	j. Inspect placement of reinforcement, connectors, masonry units and construction of mortar joints.	Periodic	Special	
X	k. Verify protection of masonry during cold weather (temperature below 40 degrees F) or hot weather (temperature above 90 degrees).	Periodic	Special	
X	l. Inspect type, size, and location of anchors and all other items to be embedded in masonry including other details of anchorage of masonry to structural members, frames and other construction.	Continuous	Special	
X	m. Inspect grout space prior to grouting and placement of grout.	Continuous	Special	
-	STEEL			
-	17. Structural Steel			
Material Verification:				
X	a. Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements.	Periodic	.	* By special inspector when performed off-site; by project inspector for steel shipped directly to project site without welding or fabrication.
X	b. Test unidentified materials	Test	Lab	2212A.1. ASTM A370-06.
X	c. Examine seam welds of structural tubes and pipes	Periodic	Special*	* See DSA IR 17-3.



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Inspection:				
X	d. Verify member locations, bracing and all details constructed in the field.	Continuous	Project	
X	e. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop.	Periodic	Special	
-	18. High Strength Bolts:			
Material Verification of High-Strength Bolts, Nuts, and Washers:				
X	a. Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA approved documents.	Periodic	Special	
X	b. Test high-strength bolts, nuts and washers.	Test	Lab	2212A.2. ASTM F606-02, A370-07
Inspection of High-Strength Bolt Installation:				
X	c. Bearing-type ("snug tight") connections.	Periodic	Special*	* May be performed by the project inspector when approved by DSA.
-	19. Welding: DSA IR 17-3. AWS D1.1-06.			
Verification of Materials, Equipment, Welders, etc:				
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	Special	
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	Special	
X	c. Verify WPS, welder qualifications and equipment.	Periodic	Special	See DSA IR 17-3
-	19.1 Shop Welding:			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	Special	Per AISC 360 (and AISC 341 as applicable).
X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	Special	Per AISC 360 (and AISC 341 as applicable).
X	c. Inspect welding of stairs and railing systems.	Periodic	Special	Per AISC 360 (and AISC 341 as applicable).
-	19.2 Field Welding:			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	Special	Per AISC 360 (and AISC 341 as applicable).
X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	Special	Per AISC 360 (and AISC 341 as applicable).
X	c. Inspect end-welded studs (ASTM A-108) installation (including bend test)	Periodic	Special	Per AISC 360 (and AISC 341 as applicable).
X	d. Inspect floor and roof deck welds	Periodic	Special	Per AISC 360 (and AISC 341 as applicable).
X	f. Inspect welding of stairs and railing systems	Periodic	Special*	* May be performed by the project inspector when approved by DSA.
X	g. Verification of reinforcing steel weldability	Periodic	Special	1704A.4.2 Verifies carbon equivalent reported on mill certificates.
X	h. Inspect welding of reinforcing steel.	Continuous	Special	Table 1704A.3 Item 5b. AWS D1.4-05
-	19.3 Non-destructive Testing:			
X	a. Non-destructive testing.	Test	Lab	AWS D1.1-06. ANSI/ASNT CP-189 & SNT-TC-1A. ASTM E543-04.
-	21. Spray Applied Fire-Proofing:			
X	a. Examine structural steel surface conditions, inspect application, take samples, measure thickness, and verify compliance of all aspects of application with DSA approved documents.	Continuous	Special	1704A.10.1, 1704A.10.2, and 1704A.10.3. ASTM E605-00.
X	b. Test bond strength.	Test	Lab	1704A.10.5. ASTM E736-00.



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X	c. Test density.	Test	Lab	1704A.10.4. ASTM E605-00.
-	22. Shop Fabrication:			
X	a. Verify fabricator's fabrication and quality control procedures.	Periodic	Special	* 2007 CBC, Section 1704A.2.1
X	b. Verify all aspects of shop fabrication including member locations, dimensional layout of all parts and pieces, all welding, bolting, etc.	Continuous	Special	
+	WOOD			
-	OTHER			
X	26. Skylight Load Test	Test	Lab	
X	27. Installation of Soil Anchors	Continuous	GE*	* By geotechnical engineer or qualified representative
X	28. Soil Anchors - Performance and Proof Testing	Test	Lab	* Under the supervision of geotechnical engineer and per Post-tensioning Institute (PTI)
X	29. Compressive Strength of Grout for Soil Anchors	Test	Lab	ASTM C109



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Summary of Verified Reports Required:

Note: Project inspector, contractor, architect and engineer verified reports are always required (Form DSA-6 or DSA 6A/E as applicable).

- 1 Soils testing and Inspection: Geotechnical Verified Report - Form DSA-293
- 2 All Structural Testing: Laboratory Verified Report - Form DSA-291
- 3 Concrete Batch Plant Inspection: Special Inspection Verified Report - Form DSA-292
- 4 Masonry Inspection: Special Inspection Verified Report - Form DSA-292
- 5 Shop Welding Inspection: Special Inspection Verified Report - Form DSA-292
- 6 Field Welding Inspection: Special Inspection Verified Report - Form DSA-292
- 7 HS Bolt Installation Inspection: Special Inspection Verified Report - Form DSA-292
- 8 Fire-Proofing Application Inspection: Special Inspection Verified Report - Form DSA-292
- 9 Shop Fabrication Inspection: Special Inspection Verified Report - Form DSA-292

KEY to Columns

** Type -

Continuous -- Indicates that a continuous special inspection is required

Periodic -- Indicates that a periodic special inspection is required

Test -- Indicates that a test is required

(Note: The difference between "tests" and "special inspections" is addressed in IR 17-B)

** Performed By -

GE -- Indicates that the special inspection is to be performed by a registered geotechnical engineer or his or her authorized representative

Lab -- Indicates that the test is to be performed by a testing laboratory accepted in the DSA laboratory Evaluation and Acceptance (LEA) Program

Project -- Indicates that the special inspection is to be performed by the project inspector

Special -- Indicates that the special inspection is to be performed by a special inspector

(Note that reassignment of responsibility is permitted only with the written approval of DSA)

Name of Architect or Engineer in general responsible charge

David Bleiman

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

11-16-10

Signature of Architect or Structural Engineer

date



stamp

IDENTIFICATION STAMP			
DIV OF THE STATE ARCHITECT			
APP. #	01-111139		
AC	N/A	F/LS	N/A
		SS	<i>man</i>
DATE	NOV 22 2010		

DOCUMENTS REQUIRED FOR PROJECT CERTIFICATION- ORS-6

John
11/16/2010

Project Name: DIABLO VALLEY COLLEGE-STUDENT SERVICES, CULINARY ARTS, FOOD SERVICES & COMMONS

File No.: 7-C1 Application No.: 01-111139 Name of A/E: STEINBERG ARCHITECTS

Project Information

Req'd	Received	Not Received	Item	Comments
X			Form DSA-5 (Project/Site)	For Project/Site Inspector(s)
			Form DSA-5 (In-Plant)	For Relocatable Buildings Only
X			Form DSA-102	Contract Information

Final Verified Report (Form DSA-6A/E)

Req'd	Received	Not Received	Final Verified Reports (Form DSA-6 A/E)	Comments
X			Architect	
X			Structural Engineer	
X			Mechanical Engineer	
X			Electrical Engineer	

Final Verified Report (Form DSA-6)

Req'd	Received	Not Received	Final Verified Reports (Form DSA-6)	Comments
X			Project/Site Inspector(s)	
X			Contractor	From Each Contractor
			In-Plant Inspector	For Relocatable Building Only
X			Special Inspector(s)	WELDING, MASONRY, HIGH STRENGTH BOLTS

Other Final Verified Reports/Affidavits

Req'd	Received	Not Received	Final Verified Reports/Affidavits	Comments
X			Laboratory (Form DSA-291)	Signed by LEA Lab Professional Engineer
X			Shop Welding & Fabrication (Form DSA-292)	Signed by AWS/CWI Welding Inspector
X			Field Welding (Form DSA-292)	Signed by AWS/CWI Welding Inspector
X			High Strength Bolt Installation (Form DSA-292)	
			Glulam Fabrication (Form DSA-292)	
			Manufactured Trusses	
X			Masonry Inspection (Form DSA-292)	
X			Engineered Fill (Form DSA-293)	Signed by Geotechnical Engineer
X			Drilled Pier Soil Inspection (Form DSA-293)	Signed by Geotechnical Engineer
X			SOIL ANCHORS	
X			MASONRY CORE TEST	

Other Documents

Req'd	Received	Not Received	Items	Comments
			Further Fees	See Attached Invoice
X			Notice of Completion	Signed by School District/Owner
X			Automatic Sprinkler System D.A.	Deferred Approval Item
X			Precast Panel Cladding D.A.	Deferred Approval Item
X			Elevator Guidrails and Support Brackets D.A.	Deferred Approval Item
X			Curtainwalls D.A.	Deferred Approval Item
X			Fire Suppression System D.A.	Deferred Approval Item
X			Skylights D.A.	Deferred Approval Item
			Change Orders:	
			Form DSA-102 For all fees and/or reimbursable charges paid to the Construction Managers	
X			Test Reports: <input checked="" type="checkbox"/> Expansion Anchors, <input type="checkbox"/> Grouted Anchors, <input type="checkbox"/> Screw Anchors	
			Electrical Grounding Test Report	
			Checklist for Site Inspector of Relocatable Bldgs.	
			Record Set of Drawings and Specifications approved by DSA during plan check but were not copied to DSA	
			Other:	

Signature of A/E: *Thomas A. McCallister* Date: 11/16/10

For 90 Day Letter Preparation By: _____ Date: _____
(Rev. 5/07)