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DSA-103 Statement of Structural Tests & Special Inspections - 2013 CBC

DSR File No.: [] Application No.: []

Date Submitted: [] Revised: []

School Name: [] District: []

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

| TEST OR SPECIAL INSPECTION | PERFORMED BY | PERIODIC | TEST | LAB | CODE REFERENCE AND NOTES |
|--|--|------------|------|--|---|
| SOILS | | | | | |
| CONCRETE | | | | | Table 1708A.3 |
| MASONRY | | | | | TMS 402-11ACI 830-11/ABCE 5-11 Table 1.18.3 |
| STEEL | | | | | Table 1706A.2.1 |
| 17. STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES | | | | | |
| Material Verification: | | | | | |
| X | a. Verify that all materials are appropriately marked and that: | Periodic | | | * By special inspector when performed off-site; by project inspector for steel shipped directly to project site without welding or fabrication. |
| | - Mill certificates indicate material properties that comply with requirements. | | | | |
| | - Material sizes, types and grades comply with requirements. | | | | |
| X | b. Test unidentified materials | Test | Lab | 2202A.1 (2202.1), ASTM A370 | |
| | Inspection: | | | | |
| X | d. Verify member locations, bracing and all details constructed in the field | Continuous | PI | | |
| X | e. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop. | Periodic | SI | | |
| 19. WELDING: | | | | | |
| 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 | SI | | |
| X | b. Verify weld filler material manufacturer's certificate of compliance. | Periodic | SI | | |
| X | c. Verify WPS, welder qualifications and equipment. | Periodic | SI | DSA IR 17-3 | |
| 19.1 SHOP WELDING: | | | | | |
| X | a. Inspect single-pass fillet welds $\geq 5/16"$ | Periodic | SI | Per AISC 360 (and AISC 341 as applicable), DSA IR 17-3 | |
| X | b. Inspect double-pass fillet welds $\geq 5/16"$ | Periodic | SI | Per AISC 360 (and AISC 341 as applicable), DSA IR 17-3 | |
| X | c. Inspect welding of stairs and railing systems. | Periodic | SI | 1706A.2.2.4 Per AISC 360 (and AISC 341 as applicable), DSA IR 17-3 | |
| WOOD | | | | | |
| OTHER | | | | | |

KEY to Columns

| | |
|---|--|
| 1 Type - | 2 Performed By - |
| Continuous - Indicates that a continuous special inspection is required | GE - Indicates that the special inspection is to be performed by a registered geotechnical engineer or his or her authorized representative |
| Periodic - Indicates that a periodic special inspection is required | Lab - 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. |
| Test - Indicates that a test is required | PI - Indicates that the special inspection is to be performed by the project inspector |
| | SI - Indicates that the special inspection is to be performed by a special inspector |

COMPILE PRINT

Name of Architect or Engineer in general responsible charge: []

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

Signature of Architect or Structural Engineer: []

DATE: []

TMP SERVICES
 2929 KANSAS AVE.
 RIVERSIDE, CA 92507
 (951) 213-3900
 FAX (951) 213-3997

PC 04-113584
 ACCESSIBLE RAMPS/
 LANDINGS/STAIRS

STATE OF CALIFORNIA -
 2012 IBC/2013 CBC

NOTES:

LOADS:

- RAMP LIVE LOAD = 100 PSF
- NO SNOW LOADING
- NO FLOOD LOADING
- WIND:
 WIND SPEED = 130 MPH
 RISK CATEGORY = II
 EXPOSURE = C
 Kz = 1.0
 WIND DESIGN PER ASCE 7-10 CHAPTER 29
- SEISMIC:
 RISK CATEGORY = II
 I_e = 1.25
 S_s = 3.73
 S₁ = 1.30
 SITE CLASS = D
 S_{DS} = 2.487
 C_s = 0.932 (ASCE 7-10 EQUATION 15.4-5)
 R = 3.25 (ASCE 7-10 TABLE 15.4-1)

ALLOWABLE SOIL BEARING = 1000 PSF

CODES: (TITLE 24 CODES)

- 2013 CALIFORNIA ADMINISTRATIVE CODE (CAC)...(PART 1, TITLE 24, CCR)
- 2013 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 AND 2 (PART 2, TITLE 24, CCR) (2012 EDITION INTERNATIONAL BUILDING CODE WITH 2013 CALIFORNIA AMENDMENTS)
- 2013 CALIFORNIA FIRE CODE (CFC), (PART 9, TITLE 24, CCR) (2012 EDITION INTERNATIONAL FIRE CODE WITH 2013 CALIFORNIA AMENDMENTS)
- 2013 CALIFORNIA GREEN CODE (CFC), (PART 9, TITLE 24, CCR)
- 2013 CALIFORNIA REFERENCED CODE, (PART 12, TITLE 24, CCR)
 NFPA 13 2013
 NFPA 72 2013
- 2013 CODE SECTIONS FOR APPLICABLE STANDARDS
 2013 CBC, CHAPTER 35
 2013 CFC, CHAPTER 45

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-113584
 REVIEWED FOR
 SS FLS ACS
 DATE: 07 05 2014

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APP: 04-113584
 REVIEWED FOR
 DATE: 07 05 2014
 AG: R. MULLEN
 FLS: R. MULLEN
 SS: GARY LAN FOR K. ROBERTS

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MEMBER
 STRUCTURAL ENGINEERS
 ASSOCIATION OF CALIFORNIA
 AMERICAN CONCRETE
 INSTITUTE

"CONSTRUCTION OF" AND "STOCKPILE OF" EXAMPLE DSA 103 FORM (DSA 103 FORM NOT REQUIRED FOR RELOCATION OF CERTIFIED RAMP & LANDING).
 THE EXAMPLE FORM DSA-103 SHOWN ON THIS SHEET IS FOR ILLUSTRATION PURPOSES ONLY TO ASSIST IN THE COMPLETION OF FUTURE PROJECT-SPECIFIC FORM DSA-103'S. A FORM DSA-103 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND THE EXAMPLE FORM DSA-103 IS TO BE CROSSED OUT ON THIS DRAWING.

REVISIONS

| NO. | DESCRIPTION | DATE | BY |
|-----|-------------|------|----|
| | | | |
| | | | |
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| | | | |
| | | | |

PRE-CHECK (FC) DOCUMENT
 CODE: 2013 CBC
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-3902
 REVIEWED FOR
 SS FLS ACS
 DATE: JUL 28 2014
 LICENSE EXPIRES 6-30-2016

COVER SHEET
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STATE OF CALIFORNIA
 PC 04-113584-2013 CBC

DATE
 28 JULY 2014
SCALE
JOB NO.
 1
OF 8 SHEETS

SCANNED