

OSHPD

State of California – Health and Human Services Agency

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT

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TESTING, INSPECTION AND OBSERVATION PROGRAM – 2007 CALIFORNIA BUILDING STANDARDS CODE - OSHPD 1 Page 1 of 13

This program is prepared and submitted for an OSHPD 1 project. OSHPD 1 projects include all construction and remodel projects for general acute-care hospitals and acute psychiatric hospitals. OSHPD 1 projects also include construction and remodel of skilled nursing facilities and/or intermediate care facilities except those of single-story, Type V, wood or light steel-frame construction.

| | | |
|----------|------------------|--------------------|
| A | Facility Name | Project Number |
| | Address – Street | Sub Number |
| | City | Facility ID Number |
| | Title of Project | |

| B | TESTS – DOCUMENTATION / CERTIFICATION REQUIRED | | | CONSTRUCTION VERIFICATION | OFFICE USE ONLY |
|----------|--|--------------------------------|-----|---------------------------|-----------------------|
| | STRUCTURAL TESTS | RESPONSIBLE FIRM OR INDIVIDUAL | TBD | IOR | FDD CONST. ACCEPTANCE |
| | Compact fill CBC 1704A.7 Filled material acceptance test | | | | DSE: |
| | Compact fill CBC 1704A.7 & J107.5 Compaction test | | | | DSE: |
| | Concrete CBC ACI-318 3.1.2 & 3.2 Cement | | | | DSE: |
| | Concrete CBC ACI-318 3.1.2 & 3.3.1 Aggregates/Reactive aggregates | | | | DSE: |
| | Concrete CBC 1704A.4.1, 1903A.5, ACI-318 3.1.2 & 3.6 Admixtures | | | | DSE: |
| | Concrete CBC 1704A.4.1, 1904A, & 1905A.2 Mix design | | | | DSE: |
| | Concrete CBC 1704A.4.1 & 1905A.6 Strength test | | | | DSE: |
| | Concrete CBC 1704A.4.1, 1916A.2 & ACI-318 3.51 Metal reinforcement (incl. welded wire fabric) | | | | DSE: |
| | Concrete CBC 1704A.4.1, 1916A.3 & ACI-318 3.5.5 Prestressing tendons and anchorage | | | | DSE: |
| | Shotcrete CBC 1913A.5 Preconstruction test | | | | DSE: |
| | Shotcrete CBC 1913A.5 Strength test | | | | DSE: |
| | Shotcrete CBC 1704A.15.1 Core test | | | | DSE: |
| | Masonry CBC 2105A.5, ACI-530 1.15 & ACI-530.1.2.1 Material standards tests | | | | DSE: |
| | Masonry CBC 2105A.5 & 2103A.8 Mortar Test, Aggregates | | | | DSE: |
| | Masonry CBC 2103A.4 Grout proportion, Aggregates | | | | DSE: |
| | Masonry CBC 2103A.14 Additives | | | | DSE: |
| | Masonry CBC 2105A.4 Core test | | | | DSE: |
| | Masonry CBC 2105A.2.2 Compressive strength f'm test | | | | DSE: |

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 TBD To Be Determined-The name of the firm or individual to perform this test or special inspection shall be submitted to and approved by the Office prior to proceeding with the work that requires this test or special inspection.

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| Facility Name | Project Number | Sub Number |
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| B | TESTS – DOCUMENTATION / CERTIFICATION REQUIRED | | | CONSTRUCTION VERIFICATION | OFFICE USE ONLY |
|---|--|---------------------------------------|------------|---------------------------|-----------------------------|
| | STRUCTURAL TESTS | RESPONSIBLE FIRM OR INDIVIDUAL | TBD | IOR | FDD CONST ACCEPTANCE |
| | Steel CBC 2203A.1 & 2212A.1 Structural steel & cold formed steel | | | | DSE: |
| | Steel CBC 2212A.2 High strength bolts, nuts and washers | | | | DSE: |
| | Steel CBC 2212A.3 End-welded studs | | | | DSE: |
| | Steel CBC 2205A.4.3, AISC-341 Appendix T Buckling Restrained Brace (Load Test) | | | | DSE: |
| | Steel CBC 1708A.4 & aisc-341 Appendix Q Nondestructive weld test | | | | DSE: |
| | Steel CBC 2212A.4 Beam to column moment connections | | | | DSE: |
| | Miscellaneous CBC 1916A.8 Post-Installed anchors | | | | DSE: |
| | | | | | DSE: |
| | Miscellaneous CBC 1408.2.1 Veneer bond strength test | | | | DSE: |
| | Miscellaneous CBC 1703A.5, 1707A.9 & 1708A.5 Prefabricated items | | | | DSE: |
| | Miscellaneous CBC Appendix Section 104.11 & ACI 224.1R Epoxy injection | | | | DSE: |
| | Structural Design Requirements CBC Appendix Section 104.11 Tests to Support Alternative Designs | | | | DSE: |
| | Base Isolation CBC 1614A.1.21 Isolator unit prototype & production testing | | | | DSE: |
| | ELECTRICAL TESTS | RESPONSIBLE FIRM OR INDIVIDUAL | TBD | IOR | FDD CONST ACCEPTANCE |
| | Ground fault protection CEC 230.95(C) & 517.17(D) Performance test | | | | ACO: |
| | Emergency power CEC 700.4(A) Power failure test NFPA 110-2005 7.13.4.1 | | | | FLSO: |
| | Emergency power CEC 700.4(A) Full load test NFPA 110-2005 7.13.7 | | | | FLSO: |
| | Emergency power CEC 700.4(A) Cycle crank test NFPA 110-2005 7.13.10 | | | | FLSO: |
| | Emergency power CEC 700.4(A) Exit signs, exit lighting & fire alarms NFPA 110-2005 7.13.4.1 | | | | FLSO: |
| | Emergency power CEC 700.4(A) Task lighting, medical gas alarms NFPA 110-2005 7.13.4.1 | | | | ACO: |
| | Emergency power CEC 700.4(A) Receptacle, nurse & staff call NFPA 110-2005 7.13.4.1 | | | | ACO: |
| | Emergency power CEC 700.4(A) Elevators NFPA 110-2005 7.13.4.1 | | | | ACO: |

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| Facility Name | Project Number | Sub Number |
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| B | TESTS – DOCUMENTATION / CERTIFICATION REQUIRED | | | CONSTRUCTION VERIFICATION | OFFICE USE ONLY |
|---|--|--------------------------------|-----|---------------------------|----------------------|
| | MECHANICAL TESTS | RESPONSIBLE FIRM OR INDIVIDUAL | TBD | IOR | FDD CONST ACCEPTANCE |
| | Commercial kitchen hood ventilation CMC511.2.2 Performance test | | | | ACO: |
| | Refrigeration equip. CMC 116.3 & 1123.0 | | | | ACO: |
| | Refrigeration detection & alarm system CMC 1121.4 & CFC 608.8 Acceptance testing | | | | FLSO: |
| | Refrigeration flaring system CMC 1119.3 Safety & effectiveness | | | | ACO: |
| | Steam & hot water boilers CMC 116.3 & 1023.0 | | | | ACO: |
| | Hydronics CMC 1201.2.8 Pressure test of steam & water piping | | | | ACO: |
| | Hydronics CMC 1201.3.6 Pressure test of polybutylene piping | | | | ACO: |
| | Hydronics CMC 1203.2 Pressure test of piping prior to embedding in concrete | | | | ACO: |
| | Process piping CMC 1406.2 Pressure test | | | | ACO: |
| | Ventilation system CMC 407.3.1 Table 4-A areas tested and balanced | | | | ACO: |
| | Airborne Infection Isolation & Protective Environment Rooms CMC 416.4 Alarm system test | | | | ACO: |
| | Airborne Infection Isolation & Protective Environment Rooms CMC 417.0 Mechanical system tested & balanced | | | | ACO: |
| | PLUMBING TESTS | RESPONSIBLE FIRM OR INDIVIDUAL | TBD | IOR | FDD CONST ACCEPTANCE |
| | Potable water installations CPC 609.9.1 thru 609.9.4 Bacteriological examination/water purity test | | | | ACO: |
| | Medical gas and vacuum NFPA 99-2005 Gas and vacuum system performance testing | | | | ACO: |
| | Medical gas and vacuum NFPA 99-2005 Gas and vacuum system verification testing | | | | ACO: |
| | Existing sewers & drains CPC 101.4.1.1.2 Tested for conformance with reqmnts. for new work | | | | ACO: |
| | Water supply system CPC 103.5.1.1 & 609.4 Pressure tested prior to covering or concealment | | | | ACO: |
| | Plumbing or drainage systems CPC 103.5.1.3 & 712.0 Water or air tested prior to use, covering or concealment | | | | ACO: |
| | Building sewer CPC 103.5.1.3 & 723.0 Water or air tested prior to use, covering or concealment | | | | ACO: |
| | Storm drain piping CPC 1109 Water or air tested prior to use, covering or concealment | | | | ACO: |
| | Fuel piping CPC 1204.3.2 Air, CO ₂ or nitrogen tested prior to use, covering or concealment | | | | ACO: |
| | Private sewer disposal system CPC 103.5.1.3 Tested prior to use, covering or concealment | | | | ACO: |

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|---|---|--------------------------------|-----|---------------------------|----------------------|
| | PLUMBING TESTS | RESPONSIBLE FIRM OR INDIVIDUAL | TBD | IOR | FDD CONST ACCEPTANCE |
| | Protectively coated pipe CPC 103.5.3.4 Tested for voids, damage & imperfections | | | | ACO: |
| | Joints and connections CPC 103.5.3.5 Pressure tested for gas and water tightness | | | | ACO: |
| | Defective systems CPC 103.5.5.1 Air test of defective drainage & plumbing systems | | | | ACO: |
| | Moved structures CPC 103.5.5.2 All parts of plumbing systems tested | | | | ACO: |
| | Retesting CPC 103.5.6.2 Retest after corrections | | | | ACO: |
| | Backflow prevention assembly CPC 603.3.3 Assembly tested | | | | ACO: |
| | FIRE PROTECTION EQUIPMENT TESTS | RESPONSIBLE FIRM OR INDIVIDUAL | TBD | IOR | FDD CONST ACCEPTANCE |
| | Fire alarm CFC 907.17, CBC 901.5, NFPA 72-2002 10.4.1 Acceptance and reacceptance testing | | | | FLSO: |
| | Fire & smoke dampers CFC 907.17, CBC 901.5 Acceptance testing | | | | FLSO: |
| | Duct detectors CFC 907.17, CBC 901.5, NFPA 72-2002 10.4.1 Differential pressure test | | | | FLSO: |
| | Smoke control system CFC 907.17, CBC 901.5, CBC 909.18 Acceptance testing | | | | FLSO: |
| | Fire sprinkler CFC 907.17, NFPA 13-2002 Ch. 16 Acceptance testing – Aboveground piping | | | | FLSO: |
| | Fire sprinkler CFC 907.17, NFPA 13-2002 Ch. 16 Acceptance testing – Underground piping | | | | FLSO: |
| | Standpipe system CFC 907.17, NFPA 14-2003 11.1 Acceptance testing – Aboveground piping | | | | FLSO: |
| | Standpipe system CFC 907.17, NFPA 14-2003 11.1, Acceptance testing – Underground piping | | | | FLSO: |
| | Private fire mains CFC 907.17, NFPA 24-2002 Ch. 10 Acceptance testing | | | | FLSO: |
| | Fire pumps CFC 907.17, NFPA 20-2003 CH 14 Acceptance testing | | | | FLSO: |
| | Wet chm extng sys. CFC 907.17, NFPA 17A-2002 Ch. 6, Acceptance testing | | | | FLSO: |
| | Clean agent extng sys. CFC 907.17, NFPA 2001-2004 Acceptance testing | | | | FLSO: |
| | CO ₂ extng system CFC 907.17, NFPA 12-2005 Acceptance testing | | | | FLSO: |
| | Dry chem extng sys CFC 907.17, NFPA 17-2002 Ch. 10 Acceptance testing | | | | FLSO: |
| | Halon 1301 extng sys CFC 907.17, NFPA 12A-2004 – 6.72 Acceptance testing | | | | FLSO: |

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| Facility Name | Project Number | Sub Number |
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| B | TESTS – DOCUMENTATION / CERTIFICATION REQUIRED | | | CONSTRUCTION VERIFICATION | OFFICE USE ONLY |
|---|---|--------------------------------|-----|---------------------------|----------------------|
| | OTHER TESTS | RESPONSIBLE FIRM OR INDIVIDUAL | TBD | IOR | FDD CONST ACCEPTANCE |
| | Underground fuel tank CFC3404.2.12 Pressure testing | | | | FLSO: |
| | Underground fuel storage tank CFC 3404.7.9 Testing of corrosion protection | | | | FLSO: |
| | Liquid fuel piping CFC 3403.6.3 Pressure testing | | | | FLSO: |
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| C | SPECIAL INSPECTIONS – DOCUMENTATION / CERTIFICATION REQUIRED | | | CONSTRUCTION VERIFICATION | OFFICE USE ONLY |
|---|--|------------------------|-----|---------------------------|----------------------|
| | STRUCTURAL INSPECTIONS | RESPONSIBLE INDIVIDUAL | TBD | IOR | FDD CONST ACCEPTANCE |
| | Foundation CBC 1704A.8 Pile Foundation | | | | DSE: |
| | Foundation CBC 1704.A.9 & 1707A.5 Pier Foundation | | | | DSE: |
| | Foundation CBC 1704A.7 Soils | | | | DSE: |
| | Concrete CBC 1704A.4 Placement of concrete | | | | DSE: |
| | Concrete CBC 1704A.4 Bolts installed in concrete | | | | DSE: |
| | Concrete CBC 1704A.4 Reinforcing steel and prestressing steel | | | | DSE: |
| | Concrete CBC 1708A.3 Used for Seismic Resistance | | | | DSE: |
| | Reinforced gypsum concrete CBC 1704A.16 | | | | DSE: |
| | Concrete CBC 1704A.4.3 Batch plant inspection | | | | DSE: |

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| Facility Name | Project Number | Sub Number |
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| C | SPECIAL INSPECTIONS – DOCUMENTATION / CERTIFICATION REQUIRED | | | CONSTRUCTION VERIFICATION | OFFICE USE ONLY |
|---|---|------------------------|-----|---------------------------|----------------------------|
| | STRUCTURAL INSPECTIONS | RESPONSIBLE INDIVIDUAL | TBD | IOR | FDD CONST ACCEPTANCE |
| | Concrete CBC 1704A.4.5 Prestressed concrete | | | | DSE: |
| | Shotcrete CBC 1704A.15 | | | | DSE: |
| | Concrete CBC 1704A.4 & 1704A.13 Insulating concrete | | | | DSE: |
| | Concrete CBC 1704A.4.2 Welding of reinforcing bars | | | | DSE: |
| | Concrete CBC 1704A.4 Precast panels | | | | DSE: |
| | Concrete CBC 1704A13 GFRP panels | | | | DSE: |
| | Masonry CBC 1704A.5 Laying and grouting | | | | DSE: |
| | Masonry CBC 2104A.6.1.1.2 & 2104A.6.1.2.2 Low lift grout | | | | DSE: |
| | Masonry CBC 2104A.6.1.1.3 & 2104A.6.1.2.3 High lift grout | | | | DSE: |
| | Steel CBC 1704A.2.1 & 1704A.3.1 Steel shop fabrication | | | | DSE: |
| | Steel CBC 1704A.3.1.1 Automatic end-welded stud | | | | DSE: |
| | Steel CBC 1704A.3.1.1 Shop and field welding | | | | DSE: |
| | Steel CBC 1704A.3.3 / AISC 341 Appendix Q High strength bolt installation | | | | DSE: |
| | Wood CBC 1704A.6.2 Glue laminated timber | | | | DSE: |
| | Wood CBC 1704A.6.3 Installation of timber connectors | | | | DSE: |
| | Wood CBC 1704A.6.2.2 Manufactured trusses | | | | DSE: |
| | Miscellaneous CBC 1704A.5.1 Veneer | | | | DSE: |
| | Miscellaneous CBC 1704A.4 , 1704A.5 & ICC- ESR Installation of post-installed anchors | | | | DSE: |
| | Miscellaneous CBC 1704A.13 Epoxy injection | | | | DSE: |
| | Miscellaneous CBC 1704A.13 Site work where special hazards exist | | | | FDD: |
| | Base isolation CBC 1707A.10 Isolator unit prototype & production testing | | | | DSE: |
| | Aluminum CBC 2003.1 Inspection | | | | DSE: |

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| Facility Name | Project Number | Sub number |
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| C | SPECIAL INSPECTIONS – DOCUMENTATION / CERTIFICATION REQUIRED | | | CONSTRUCTION VERIFICATION | OFFICE USE ONLY |
|---|---|------------------------|-----|---------------------------|----------------------|
| | MECHANICAL INSPECTIONS | RESPONSIBLE INDIVIDUAL | TBD | IOR | FDD CONST ACCEPTANCE |
| | Visually inspect filter banks for torn media and bypass filter frames CMC 408.1.3 | | | | ACO: |
| | Pressure vessels CMC 1005.5 Welding | | | | ACO: |
| | Process piping CMC 1406.3 Installation | | | | ACO: |
| | PLUMBING INSPECTIONS | RESPONSIBLE INDIVIDUAL | TBD | IOR | FDD CONST ACCEPTANCE |
| | Medical gas CBC 1224.4.6.2, NFPA 99-2005 Ch. 5 Braze and labeling of systems | | | | ACO: |
| | FIRE PROTECTION INSPECTIONS | RESPONSIBLE INDIVIDUAL | TBD | IOR | FDD CONST ACCEPTANCE |
| | Fire resistive materials CBC1704A.10 Spray applied fireproofing | | | | FLSO: |
| | Smoke control systems CBC 1704A.14 Ductwork and operation | | | | FLSO: |
| | Sprinkler system piping CFC 907.17, NFPA 13-2002 Welded pipe and fittings | | | | FLSO: |
| | Standpipe system piping CFC 907.17, NFPA 14-2003 Welded pipe and fittings | | | | FLSO: |
| | OTHER SPECIAL INSPECTIONS | RESPONSIBLE INDIVIDUAL | TBD | IOR | FDD CONST ACCEPTANCE |
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| Facility Name | Project Number | Sub number |
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| D | CONSTRUCTION OBSERVATION AND REPORTING | | | | | | | | | | |
|----------|--|---|--|------|------|------|------|---------|-----|-----------|---------------------|
| | Ref. No. | REQUIRED CONSTRUCTION OBSERVATION (See "PERSONAL KNOWLEDGE" as defined in CAC Section 7-151) | VERIFIED COMPLIANCE REPORT REQUIRED AS INDICATED (OSH-FD-123) | | | | | | | | FOR OFFICE USE ONLY |
| | MILESTONES | GEOR | AOR | SEOR | MEOR | EEOR | CONT | SP INSP | IOR | OSHPD FDD | |
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| | | FINAL VERIFIED COMPLIANCE REPORT AT COMPLETION | | | | | | | | | |

AOR: Architect of Record CONT: Contractor or Owner/Builder IOR: Inspector of Record EEOR: Electrical Engineer of Record MEOR: Mechanical Engineer of Record SEOR: Structural Engineer of Record GEOR: Geotechnical Engineer of Record SP INSP: Special Inspector

NOTE: Construction observation may be scheduled at specific intervals or at project milestones or a combination of both.



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| Facility Name | Project Number | Sub Number |
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| D | CONSTRUCTION OBSERVATION AND REPORTING | | | | | | | | | | |
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| | Ref. No. | REQUIRED CONSTRUCTION OBSERVATION (See "PERSONAL KNOWLEDGE" as defined in CAC Section 7-151) | VERIFIED COMPLIANCE REPORT REQUIRED AS INDICATED (OSH-FD-123) | | | | | | | | FOR OFFICE USE ONLY |
| | INTERVALS | GEOR | AOR | SEOR | MEOR | EEOR | CONT | SP INSP | IOR | OSHPD FDD | |
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| | | FINAL VERIFIED COMPLIANCE REPORT AT COMPLETION | | | | | | | | | |

AOR: Architect of Record CONT: Contractor or Owner/Builder IOR: Inspector of Record EEOR: Electrical Engineer of Record MEOR: Mechanical Engineer of Record SEOR: Structural Engineer of Record GEOR: Geotechnical Engineer of Record SP INSP: Special Inspector

NOTE: Construction observation may be scheduled at specific intervals or at project milestones or a combination of both.

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| Facility Name | Project Number | Sub Number |
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Samples of test and inspection reports are:

- Attached
 - To be provided following determination of responsible firm(s) or individual(s) – Samples shall be submitted to and approved by the Office prior to proceeding with the work that requires tests or special inspections.
 - Not Applicable – Project has no required tests or special inspections.
- Required test and inspection reports shall be prepared and submitted to OSHPD FDD within ___ days of the completion of all tests and inspections. If not designated, all reports shall be submitted to the Office within 15 calendar days.
- In addition to the preprinted tests and special inspections identified on this form, this program includes additional tests and special inspections as indicated:
 - Other Tests
 - Other Special Inspections
 - See Attachment

This program has been prepared and submitted for an OSHPD 1 project. OSHPD 1 projects include all construction and remodel projects for general acute-care hospitals and acute psychiatric hospitals. OSHPD 1 projects also include construction and remodel of skilled nursing facilities and/or intermediate care facilities except those of single-story, Type V, wood or light steel-frame construction.

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| E | SUBMITTED BY: | OSHPD PLAN APPROVAL: |
| | <hr style="border: none; border-top: 1px solid black;"/> <div style="display: flex; justify-content: space-between; font-size: small;"> Architect/Engineer of Record Date </div> | <hr style="border: none; border-top: 1px solid black;"/> <div style="display: flex; justify-content: space-between; font-size: small;"> Name Date </div> |
| | PRINT NAME: | OSHPD FIELD APPROVAL: |
| | <hr style="border: none; border-top: 1px solid black;"/> | <hr style="border: none; border-top: 1px solid black;"/> <div style="display: flex; justify-content: space-between; font-size: small;"> Name Date </div> |

FDD COMMENTS:

FDD STAMP OFFICE USE ONLY

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| Electrical | Date | | | |
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| Fire Marshal | Date | | | |



INSTRUCTIONS FOR TESTING, INSPECTION AND OBSERVATION PROGRAM FORM (Sections A – E)

General Instructions

This form is intended to assist design professionals in organizing the requirements of 2007 California Administrative Code (CAC), (Sections 7-141, 7-145, 7-149, 7-151), in regards to a Testing, Inspection, and Observation (TIO) Program. When approved for a specific project by the Office of Statewide Health Planning and Development (OSHPD), Facilities Development Division (FDD), this TIO Program is considered to be part of the approved construction documents. This generic format may be reproduced and edited, but the essential elements described in CAC, must be maintained. The TIO Program must be made specifically appropriate for either OSHPD 1 (Hospitals) or OSHPD 2 (typically Skilled Nursing Facilities) projects. Tests or inspections not specifically listed in Sections B or C may be added to the appropriate section under OTHER TESTS or OTHER INSPECTIONS.

Before the Building Permit may be approved and issued, OSHPD/FDD must have approved the following documents:

- Construction drawings and specifications
- Inspector(s) of Record (IOR). See 7-141(f)
- A Testing, Inspection, and Observation Program.

Section A

This section identifies the specific project that the TIO Program form applies to:

- FACILITY NAME – As shown on the Facility License issued by the Department of Health Services
- ADDRESS/STREET - The physical location of the construction project
- CITY – The city where the project is located
- TITLE OF PROJECT – As shown on the Application for Plan Review
- PROJECT NUMBER – As assigned by OSHPD
- INCREMENT, PHASE OR SUB NUMBER – As assigned by OSHPD
- FACILITY ID NUMBER – As assigned by OSHPD (a five character ID)

Section B

This section shall identify specific tests required by 2007 California Building Standards Code (CBSC), Parts 2, 3, 4, or 5 for the above project. Many tests required by CBSC are included. Some documents referenced by the designer (pre-approvals, IRs) may require special testing not directly required by Title 24, these must also be referenced and included. Tests may be grouped by subject matter for clarity. OSHPD Plan Review staff will review and approve this list of tests for accuracy and completeness. OSHPD Field Staff will review and approve the firms or individuals conducting the tests prior to issuing the Building Permit or prior to related work commencing. Section B layout shall include the following:

- TESTS COLUMN- A description by the design professional of the required tests grouped by discipline or subject matter. Reference the code section for required tests or reference approved plans or specifications for designer required tests.
- RESPONSIBLE FIRM OR INDIVIDUAL – When a test is required, indicate which firm or individual is responsible to carry out the test. This shall be a testing laboratory or qualified individual. When a testing laboratory or certified inspector is not required by other regulations, the firm or individual may be the contractor or installer. This information must be provided before the commencement of related work.
- TBD COLUMN – If the firm or individual performing the required test(s) has not been determined at the time of preparation of the program, place a check mark or an x in this column.



- CONSTRUCTION VERIFICATION / IOR - Once all tests of this specific kind are satisfactorily completed and documented, the IOR shall verify the completion with an initial and date.
- OFFICE USE ONLY CONSTRUCTION ACCEPTANCE / FDD – Upon completion of required tests, at least one OSHPD field staff; (Area Compliance Officer (ACO), Fire & Life Safety Officer (FLSO), or District Structural Engineer (DSE)) will review for compliance with the TIO program and indicate their acceptance with an initial and date. If no DSE is assigned to a particular project, the ACO shall initial acceptance of a test designated for DSE.

Section C

This section shall identify specific special inspections required by CBSC, Parts 2, 3, 4, or 5 for the above project. Some inspections required by Title 24 are included. Inspections may be grouped by subject matter for clarity. OSHPD Plan Review staff will review and approve this list of inspections for accuracy and completeness. OSHPD Field Staff will also review and approve the individuals conducting the inspections prior to issuing the Building Permit or prior to related work commencing. Section C layout shall include the following:

- INSPECTIONS COLUMN- A description by the design professional of the required inspections grouped by discipline or subject matter. Reference the code section for required inspections or reference approved plans or specifications for designer required inspections.
- RESPONSIBLE INDIVIDUAL – When an inspection is required, indicate which individual is responsible to carry out the inspections. This shall be a qualified individual. This information must be provided before the commencement of related work.
- TBD COLUMN – If the individual performing the required special inspection(s) has not been determined at the time of preparation of the program, place a check mark or an x in this column.
- CONSTRUCTION VERIFICATION / IOR - Once all inspections of this specific kind are satisfactorily completed and documented, the IOR shall verify the completion with an initial and date.
- OFFICE USE ONLY CONSTRUCTION ACCEPTANCE / FDD – Upon completion of required special inspections, at least one OSHPD field staff; (Area Compliance Officer (ACO), Fire & Life Safety Officer (FLSO), or District Structural Engineer (DSE)) will review for compliance with the TIO program and indicate their acceptance with an initial and date. If no DSE is assigned to a particular project, the ACO shall initial acceptance of an inspection designated for DSE.

Section D

The design professional in charge is responsible for fully describing the observations being proposed for OSHPD acceptance and for identifying who shall observe the elements of construction and when they shall be observed. Section D coordinates this effort into a table.

The rows of the table are the individual elements of construction to be observed. The columns of the table are the individuals, who must perform the observations. The required individuals are identified in 2007 California Administrative Code (CAC), and may include: Geotechnical Engineer, Architect, Structural Engineer, Mechanical Engineer, Electrical Engineer, Contractor (or Owner/Builder), Inspector of Record, and all Special Inspectors. Each box marked with an 'X', indicates that a Verified Compliance Report must be filed at the described milestone or interval.

Elements of Construction may include but are not limited to; Construction Preparation, Site Work, Foundation, Concrete, Masonry, Steel, Wood, Roofing, Fire Rated Construction, Above Ceiling Components, Architectural Elements, Equipment Anchorage, Fire Protection Systems, Miscellaneous Systems, Plumbing Systems, Mechanical Systems, Electrical Systems, and Substantial Completion. OSHPD Plan Review must accept this list of observations as complete.

The Inspector of Record shall maintain copies of all Verified Compliance Report forms. Work to be observed shall not be covered, occupied, or used until written acceptance by all individuals identified in the table and the OSHPD field staff has been received.

A MILESTONE method for establishing observations of construction means the project is observed based upon the progress of the work. An INTERVAL method for establishing observations of construction means the project is observed based upon calendar frequency. Section D layout shall include the following:



- REFERENCE NO. (Ref. No.) – A reference number must be included for coordination with the Verified Compliance Report (see form OSH-FD-123).
- REQUIRED CONSTRUCTION OBSERVATION / MILESTONE OR INTERVAL- A complete description of the specific milestone (element or system) or interval to be observed.
- VERIFIED COMPLIANCE REPORT REQUIRED AS INDICATED / OSH-FD-123 - The specified individuals are as required by CAC, Section 7-151. This table identifies which individuals are required to submit the OSHPD Verified Compliance Report form (OSH-FD-123) for each milestone defined by the design professional. This form replaces the discontinued Verified Report Form. The Verified Compliance Report is based upon 'personal knowledge' as defined in Section 7-151. Each box marked with an 'X', indicates that a Verified Compliance Report must be filed.
- FOR OFFICE USE ONLY / OSHPD-FDD – OSHPD field staff may at any time review the accumulated Verified Compliance Reports at the project site, against the required Reports. Field Staff will initial and date lines they verify as in compliance. Projects with Reports not submitted to the field are subject to Stop Work Orders.

NOTE: Final Verified Compliance Reports are required on all projects from all individuals identified in the CAC. At a minimum, a Final Verified Compliance Report is required from the contractor (who may be an owner/builder) and the IOR.

After completion of Section D, the last page includes a location where the Architect or Engineer in responsible charge indicates that either: 1) samples of test and inspection forms required by Section 7-141 (h) have been attached, or 2) submittal of sample reports will be provided following the determination of responsible firm(s) and or individual(s), or 3) samples are not required, because the scope of the project does not require tests or special inspections.

Prior to signing in Section E, the Architect or Engineer in responsible charge shall also indicate the time limit for the submission of required test and inspection reports to OSHPD FDD. If a time limit is not selected, all reports shall be submitted to the office within fifteen (15) calendar days.

A place is provided following Section D for the Architect or Engineer in responsible charge to indicate if additional tests or special inspections are required, and where they have been included in the TIO program.

Section E

This section provides for the signature of the Architect or Engineer in responsible charge of the project. It is this individual who is responsible for submitting the Tests, Inspection and Observation Program to OSHPD. OSHPD FDD staff will sign in this section upon plan approval and building permit approval.

- Architect or Engineer in responsible charge of the project shall sign and date the Tests, Inspection, and Observation Program submittal. Print first and last name and indicate profession license number.
- OSHPD Plan Review shall sign and date, indicating the acceptance and approval of all listed Tests, Inspections, and Observations.
- OSHPD Field Staff shall sign and date, indicating the acceptance and approval of the firms or individuals proposed to perform the tests and special inspections.