

Testing, Inspection and Observation Program
2019 California Building Standards Code – OSHPD 1

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, acute psychiatric hospitals, and general acute care hospitals providing only acute medical rehabilitation center services.

SECTION A		PROJECT INFORMATION	
Facility #:	Facility Name:	Project #:	Sub #:
Street Address:			
City:	County:		
Record Name (Scope of Project):			
Abbreviations:			
CAC: California Administrative Code	AAMA: American Architectural Manufacturers Association		
CBC: California Building Code	NFPA: National Fire Protection Association		
CEC: California Electrical Code	FM: FM Approval Standards		
CMC: California Mechanical Code	DPOR: Design Professional of Record		
			Version: R03.7.1

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SECTION B		NOTE: Approved agencies, individuals, and all changes to the TIO program shall be identified, evaluated by the DPOR and approved by OSHPD prior to proceeding with the related work.			
Facility #:	Facility Name:	Project #:	Sub #:		
Index #	REQUIRED (Select)	TESTS	RESPONSIBLE APPROVED AGENCY AND/OR INDIVIDUAL	COMPLIANCE VERIFICATION BY IOR (Initial/Date)	OSHPD/FDD USE (Initial/Date)

STRUCTURAL TESTS

Foundation

B-F1		Soil fill CBC 1705A.6 Fill material acceptance test			DSE:
B-F2		Soil fill CBC 1705A.6 Compaction test			DSE:
B-F3		Soil and rock anchors CBC 1811A Load test			DSE:
B-F4		Deep foundation elements CBC 1810A.3.3.1.2, 1810A.3.1.5.1, 1810A.3.3.1.5, 1810A.3.3.2, & 1810A.3.10.4 Load test			DSE:
B-F5		Shoring CBC 1812A Tie-Back Anchors			DSE:
B-F6		Vibro Stone Columns (VSC) CBC 1813A Acceptance Test			DSE:
B-F7					
B-F8					

Concrete

B-C1		Concrete CBC 1705A.3, 1903A.6 & 1910A.1; ACI-318 1.9.1 & 26.4 Cementitious materials			DSE:
B-C2		Concrete CBC 1705A.3, 1903A.5; ACI-318 1.9.1 & 26.4 Aggregates/Reactive aggregates			DSE:
B-C3		Concrete CBC 1705A.3, ACI-318 26.4.1.3, ASTM C1602 Water			DSE:
B-C4		Concrete CBC 1705A.3 & 1905A.1.15; ACI-318 26.12 Strength test			DSE:
B-C5		Concrete CBC 1705A.3 & 1910A.2 & ACI-318 20.2, 25.4.5.1 & 26.6.1.2 Metal reinforcement (including welded wire fabric and headed rebar)			DSE:
B-C6		Concrete CBC 1705A.3, 1901A.3 & ACI-318 20.4 Headed studs and headed stud assemblies			DSE:
B-C7		Concrete CBC Table 1705A.3, 1903A.8 Weldability of reinforcing bars			DSE:
B-C8		Concrete CBC 1705A.3 & 1910A.3; ACI-318 20.3, 25.8 & 26.6.1.2 Prestressing tendons and anchorage			DSE:
B-C9		Concrete CBC 1911A.2; ACI-503.7 Crack repair by epoxy injection			DSE:

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B-C10		Concrete CBC 1911A.3; ICC-ES AC 178 Sec. 9 Strengthening by externally bonded FRP			DSE:		
B-C11		Shotcrete CBC 1908A.5 Preconstruction test			DSE:		
B-C12		Shotcrete CBC 1908A.10 Strength test			DSE:		
B-C13		Shotcrete CBC 1705A.19.1 Core test			DSE:		
B-C14		Post-installed anchors CBC 1910A.5 Installation verification test			DSE:		
B-C15		Existing post-installed anchors CBC 1708A and CAC Chapter 6, Section 11.3 Direct tension test			DSE:		
B-C16							
B-C17							
Masonry							
B-MA1		Masonry CBC 2105A.2; TMS 602 1.4.B.3 Material standards tests			DSE:		
B-MA2		Masonry CBC 2105A.3 Mortar test			DSE:		
B-MA3		Masonry CBC 2105A.3 Grout test			DSE:		
B-MA4		Masonry CBC 2105A.2; TMS 602 1.4.B.3 Compressive strength f'm - prism test			DSE:		
B-MA5		Masonry CBC 2105A.4 Core test			DSE:		
B-MA6		Masonry CBC 1705A.4 Masonry anchors			DSE:		
B-MA7		Veneer CBC 1410.2 Veneer bond strength test			DSE:		
B-MA8		Architectural Cast Stone CBC 2103A.1 Strength of stone anchorage ASTM C1354			DSE:		
B-MA9							

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B-MA10							
Steel							
B-S1		Steel CBC 2202A.1 Identification test for structural steel and cold formed steel				DSE:	
B-S2		Steel CBC 2213A.1 & 1705A.13.1 High strength bolts, nuts, and washers				DSE:	
B-S3		Steel CBC 2213A.2 & 1705A.13.1 End-welded studs				DSE:	
B-S4		Steel CBC 1705A.2.1 & 1705A.13.1.2 Nondestructive testing of welds				DSE:	
B-S5		Steel 1705A.13.1.2 & AISC-341 K3 Buckling restrained brace load test				DSE:	
B-S6		Steel 2205A.4, 1705A.12.1 & AISC-341 K2 Beam to Column Moment Connections				DSE:	
B-S7							
B-S8							
Other Structural Materials							
B-OM1		Structural Sealant Glazing CBC 2410.1.2 Structural sealant tests - Exterior glass curtain walls				DSE:	
B-OM2		Structural Sealant Glazing CBC 2410.1.2 AAMA 501.4 & 501.6 tests - Exterior glass curtain walls				DSE:	
B-OM3							
B-OM4							
Alternative Systems							
B-AS1		Seismic Isolators CBC 1705A.13.4 Prototype and production test				DSE:	
B-AS2		Dampers CBC 1705A.13.4 Prototype and production test				DSE:	
B-AS3		Structural Design Criteria CBC 104.11 Tests to support alternative system				DSE:	
B-AS4		Wind tunnel testing CBC 1609A.1.1; ASCE 49 and Sec. 31.4 and 31.5 of ASCE 7 Wind tunnel testing				DSE:	

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B-AS5							
B-AS6							
Nonstructural Components, Supports and Attachments							
B-N1		Nonstructural components CBC 1705A.13.2 FM 1950 Seismic Bracing				DSE:	
B-N2		Special Seismic Certification CBC 1705A.13.3 Shake Table test				DSE:	
B-N3							
B-N4							
ELECTRICAL TESTS							
B-E1		Ground fault protection CEC 230.95(C) & 517.17(D) Performance test				CO:	
B-E2		Emergency generator tests CEC 700.3(A) & NFPA 110-2016 § 7.13				FLSO:	
B-E3		Wet procedure location 2018 NFPA 99 6.3.2.3				CO:	
B-E4		Grounding system in patient care spaces 2018 NFPA 99 6.3.3.1				CO:	
B-E5		Line isolation monitor test 2018 NFPA 99 6.3.3.3.2				CO:	
B-E6		Hospital grade receptacles 2018 NFPA 99 6.3.3.2.5				CO:	
B-E7		Insulation Testing CEC 110.7, 2018 NFPA 99 6.7.4.1.2.2				CO:	
B-E8		Medium Voltage Outdoor Systems CEC 225.56 Inspections and Test				CO:	
B-E9		Temporary Installation Grounding CEC 590.6				CO:	
B-E10		Isolate Power Systems – Impedance of Isolated Wiring Test 2018 NFPA 99 6.3.2.9.2.1				CO:	
B-E11		Medium Voltage Cable Testing CEC 328.14 & ANSI/NECA/NCSCB 600-2014				CO:	
B-E12		Emergency Stored Electrical Energy System Test NFPA 111-2016 Section 7.6				CO:	

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B-E13		Torque Electrical Connections CEC 110.3(B) & 110.14(D)			CO:
B-E14		Fire Pump Coordination Study and Testing CEC 620.62			CO:
B-E15		Nurse call system CEC 517.123			CO:
B-E16		Arc Energy Reduction CEC 240.67 & 240.87			CO:
B-E17		Short-Circuit Current Calculations CEC 110.24(A), 409.22, 430.99, 440.10(B)			CO:
B-E18		Essential Electrical System Coordination Study CEC 517.31(G) & 700.32			CO:
B-E19		Elevator Selective Coordination Study CEC 620.62			CO:
B-E20					CO:
B-E21					
B-E22					

MECHANICAL TESTS

B-ME1		Listed hood assemblies CMC 508.2			CO:
B-ME2		Commercial kitchen hood ventilation CMC 511.2.2.1 Performance test			CO:
B-ME3		Refrigeration equipment CMC 1116.0			CO:
B-ME4		Refrigeration detection and alarm system CMC 1108.4 & CFC 605.6 Acceptance testing			CO:
B-ME5		Refrigeration flaring system CMC 1114.3 Safety and effectiveness			CO:
B-ME6		Steam and hot water boilers CMC 1013.0			CO:
B-ME7		Hydronics CMC 1205.2, 1220.2.6 & 1221.3 Pressure test of steam and water piping			CO:
B-ME8		Process piping CMC 1405.2 Pressure test			CO:

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B-ME9		Existing System Air Balance CMC 407.3 Pre-demolition Air Flow Test and Report			CO:		
B-ME10		Existing System Air Balance CMC-407.3 Post-demolition Air Flow Test and Report			CO:		
B-ME11		Ventilation system CMC 407.3.1 & Table 4-A Areas tested and balanced			CO:		
B-ME12		Airborne Infection Isolation Rooms and Protective Environment Rooms CMC 416.4 Alarm system test			CO:		
B-ME13		Airborne Infection Isolation Rooms and Protective Environment Rooms CMC 417.0 Mechanical system tested and balanced			CO:		

PLUMBING TESTS

B-P1		Disinfection of potable water systems CPC 609.9			CO:
B-P2		Medical gas and vacuum NFPA 99-2018 § 5.1.12 Gas and vacuum system performance testing			CO:
B-P3		Medical gas and vacuum NFPA 99-2018 § 5.1.12 Gas and vacuum system verification testing			CO:
B-P4		Existing sewers and drains CPC 102.4.1, 105.3 & 712.0 Tested for conformance with requirements for new work			CO:
B-P5		Water supply system CPC 105.3 & 609.4 Pressure tested prior to covering or concealment			CO:
B-P6		Plumbing, drainage, and venting systems CPC 105.3 & 712.0 Water or air tested prior to use, covering or concealment			CO:
B-P7		Building sewer CPC 105.3, 712.0 & 723.0 Water or air tested prior to use, covering or concealment			CO:
B-P8		Storm drain piping CPC 1107.1 Water or air tested prior to use, covering or concealment			CO:
B-P9		Fuel piping CPC 1213.0 Air, CO2 or nitrogen tested prior to use, covering or concealment			CO:
B-P10		Private sewer disposal system CPC 105.0 & H1001.0 Tested prior to use, covering or concealment			CO:

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B-P11		Protectively coated pipe CPC 312.5 Tested for voids, damage and imperfections			CO:		
B-P12		Defective systems CPC 105.3.1 Air test of defective drainage and plumbing systems			CO:		
B-P13		Moved structures CPC 102.7 All parts of plumbing systems tested			CO:		
B-P14		Retesting CPC 105.3.2 Retest after corrections			CO:		
B-P15		Shower receptors CPC 408.7.5			CO:		
B-P16		Backflow prevention devices and assemblies CPC 603.2 & 603.4.2 Assembly tested			CO:		
B-P17		Nonpotable water CPC 1502.0 Inspection and testing			CO:		
B-P18		Reclaimed (recycled) water systems CPC 1505.5 & 1505.13 Initial cross-connection test, inspection and testing			CO:		
B-P19		On-site treated nonpotable gray water systems CPC 1506.5 & 1506.12 Initial cross-connection test, inspection and testing			CO:		
B-P20							
B-P21							
FIRE PROTECTION EQUIPMENT TESTS							
B-FP1		Fire Alarm CFC 901.5 & CFC 907.7 NFPA 72-2016 §14.4 Acceptance and Reacceptance Testing			FLSO:		
B-FP2		Fire and smoke dampers CFC 901.5 & CFC 907.8 Acceptance testing			FLSO:		
B-FP3		Duct Detectors CFC 901.5, NFPA 72-2016 §14.4 Differential Pressure Test			FLSO:		
B-FP4		Smoke control system CFC 901.5, CFC 909.18 & CBC 1705.18 and 1705A.8 Acceptance testing			FLSO:		
B-FP5		Fire sprinkler CFC 901.5 & NFPA 13-2016 Chapter 25 Acceptance testing – Aboveground piping			FLSO:		
B-FP6		Fire sprinkler CFC 901.5 & NFPA 13-2016 Chapter 25 Acceptance testing – Underground piping			FLSO:		
B-FP7		Standpipe system CFC 901.5 & NFPA 14-2016 Chapter 11 Acceptance testing – Aboveground piping			FLSO:		

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B-FP8		Standpipe system CFC 901.5 & NFPA 14-2016 Chapter 11 Acceptance testing – Underground piping			FLSO:		
B-FP9		Private fire mains CFC 901.5 & NFPA 24-2016 § 10.10 Acceptance testing			FLSO:		
B-FP10		Fire pumps CFC 901.5 & NFPA 20-2016 § 14.1 & 14.2 Acceptance testing			FLSO:		
B-FP11		Fire protection water tank CFC 901.5 & NFPA 22-2018 Chapter 17 Acceptance testing			FLSO:		
B-FP12		Wet chemical extinguishing system CFC 901.5 & NFPA 17A-2017 § 6.4 Acceptance testing			FLSO:		
B-FP13		Clean agent extinguishing system CFC 901.5 & NFPA 2001-2015 § 7.7 Acceptance testing			FLSO:		
B-FP14		CO2 extinguishing system CFC 901.5 & NFPA 12-2015 § 4.4.3 & 4.4.4 Acceptance testing			FLSO:		
B-FP15		Dry chemical extinguishing system CFC 901.5 & NFPA 17-2017 § 10.4 Acceptance testing			FLSO:		
B-FP16		Halon 1301 extinguishing system CFC 901.5 & NFPA 12A-2015 § 6.7 Acceptance testing			FLSO:		
B-FP17		Underground fuel storage tank CFC 5704.2.12 & NFPA 30-2018 § 21.5.1 Initial testing			FLSO:		
B-FP18		Underground fuel storage tank CFC 5704.2.12 & NFPA 30-2018 § 21.5.2 Tightness testing			FLSO:		
B-FP19		Flammable and combustible liquid fuel piping CFC 5703.6.3 Pressure testing			FLSO:		
B-FP20		Emergency Responder Radio Coverage CFC 510.5.3 Acceptance test procedure			FLSO:		
B-FP21					FLSO:		
B-FP22					FLSO:		
OTHER TESTS							
B-OT1		Radiation Shielding Barriers CBC 1705A.1.1 and 3102C Radiation shielding barrier test			CO:		
B-OT2							
B-OT3							

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Facility #:	Facility Name:	Project #:	Sub #:		
Index #	REQUIRED (Select)	ON-SITE SPECIAL INSPECTIONS	RESPONSIBLE APPROVED AGENCY AND/OR INDIVIDUAL (IDENTIFY SPECIAL INSPECTOR)	COMPLIANCE VERIFICATION BY IOR (Initial/Date)	OSHDP/FDD USE (Initial/Date)

STRUCTURAL SPECIAL INSPECTIONS

Foundation

C-F1	Soils CBC 1705A.6 Soil fill			DSE:
C-F2	Foundation CBC 1705A.7 Driven deep foundations			DSE:
C-F3	Foundation CBC 1705A.8 Cast-in-place deep foundations			DSE:
C-F4	Foundation CBC 1705A.9 Helical pile foundations			DSE:
C-F5	Shoring CBC 1812A Shoring			DSE:
C-F6	Vibro Stone Columns (VSC) CBC 1813A Vibro Stone Columns			DSE:
C-F7	Prestressed soil and rock anchors CBC 1705A.3, 1811A & 1812A Installation and testing			DSE:
C-F8				
C-F9				

Concrete

C-C1	Concrete CBC 1705A.3; ACI-318 26.5.2 & 26.13 Placement of concrete			DSE:
C-C2	Concrete CBC 1705A.3; ACI-318 26.4.1.5 Admixtures			DSE:
C-C3	Concrete CBC 1705A.3; ACI-318 26.4 Mix Design			DSE:
C-C4	Concrete CBC 1705A.3; ACI-318 26.13 Reinforcing steel & prestressing steel			DSE:
C-C5	Concrete CBC 1705A.3 CIP & Post-installed anchors			DSE:
C-C6	Concrete CBC Table 1705A.3 Adhesive anchors in horizontal and upwardly inclined positions			DSE:

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C-C7		Concrete CBC 1705A.3; ACI-318 26.13 Specialty inserts, Stud rails, Rebar mechanical conn., Headed rebar			DSE:
C-C8		Concrete CBC 1705A.3.3 Batch plant inspection			DSE:
C-C9		Concrete CBC 1705A.3.4; ACI-318 26.13 Prestressed concrete			DSE:
C-C10		Concrete CBC 1705A.3 & 1705A.12.5 Precast concrete fabrication & precast panels			DSE:
C-C11		Concrete CBC 1705A.3 Precast concrete erection			DSE:
C-C12		Shotcrete CBC 1705A.19 & 1908A Installation			DSE:
C-C13		Concrete CBC 1705A.3 Insulating concrete			DSE:
C-C14		Concrete CBC 1705A.3, 1705A.3.1 & 1903A.8 Welding of reinforcing bars			DSE:
C-C15		Concrete CBC 1705A.12.5 GFRC panels			DSE:
C-C16		Concrete CBC 1911A.2; ACI-503.7 Crack repair by epoxy injection			DSE:
C-C17		Concrete CBC 1911A.3, ICC AC178 Sec. 3 to 8 Strengthening by externally bonded FRP			DSE:
C-C18					
C-C19					
Masonry					
C-MA1		Masonry CBC 1705A.4 Laying and grouting			DSE:
C-MA2		Masonry CBC 2104A.1.3 Low lift grout			DSE:
C-MA3		Masonry CBC 2104A.1.3 High lift grout			DSE:

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C-MA4	Masonry CBC 1705A.4 Masonry anchors					DSE:	
C-MA5							
C-MA6							
Steel							
C-S1	Steel CBC 1705A.2 & 1705A.12.1 Steel shop fabrication					DSE:	
C-S2	Steel CBC 1705A.2.5 & 1705A.12.1 Automatic end-welded studs					DSE:	
C-S3	Steel CBC 1705A.2.5 & 1705A.12.1 Shop and field welding					DSE:	
C-S4	Steel AWS D1.1 3 & 4 and AWS D1.8 6.1 Shop and field welding - WPS / WPQR					DSE:	
C-S5	Steel CBC 1705A.2 & 1705A.12.1 High strength bolt installation					DSE:	
C-S6	Steel CBC 1705A.2, 1705A.11.2 & 1705A.12.3 Cold-formed steel light frame construction					DSE:	
C-S7							
C-S8							
Wood							
C-W1	Wood CBC 1705A.5, 1705A.5.4, 1705A.11.1 & 1705A.12.2 Glue laminated timber					CO:	
C-W2	Wood CBC 1705A.5.6, 1705A.11.1 & 1705A.12.2 Installation of timber connectors					CO:	
C-W3	Wood CBC 1705A.5 & 1705A.5.5 Manufactured trusses					CO:	
C-W4	Wood CBC 1705A.11.1 & 1705A.12.2 Nailing, screw attachment, bolting, anchoring, field gluing operations and other fastening					CO:	

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C-W5					
C-W6					
Other Structural Materials					
C-OM1	Aluminum CBC 2003.1 Testing and Inspection				DSE:
C-OM2	Structural Sealant Glazing CBC 2410.1.2 Structural sealants for exterior glass curtain walls				DSE:
C-OM3					
C-OM4					
Alternative Systems					
C-AS1	Alternative system CBC 1705A.1.1 Construction materials and methods for alternative system				CO:
C-AS2	Seismic isolation and damping system CBC 1705A.12.8 Fabrication, installation, prototype, and production testing				DSE:
C-AS3					
C-AS4					
Nonstructural components, supports and attachments					
C-N1	Architectural components CBC 1705A.12.5 & 1705A.16 Cladding, nonbearing walls and veneer				CO:
C-N2	Ceiling CBC 1705A.12.5 Suspended ceiling systems and their anchorage				CO:
C-N3	Access floors CBC 1705A.12.5.1 Anchorage of access floor systems				CO:
C-N4	Storage racks 8' or taller CBC 1705A.12.7 Anchorage				CO:
C-N5	Plumbing, mechanical and electrical components CBC 1705A.12.6 Anchorage, bracing, and vibration isolators				CO:

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Facility #:		Facility Name:		Project #:	
Index #	REQUIRED (Select)	ON-SITE SPECIAL INSPECTIONS	RESPONSIBLE APPROVED AGENCY AND/OR INDIVIDUAL (IDENTIFY SPECIAL INSPECTOR)	COMPLIANCE VERIFICATION BY IOR (Initial/Date)	OSHPD/FDD USE (Initial/Date)
C-N6	Special Seismic Certification CBC 1705A.12.4 Special Seismic Certification label, anchorage and mounting				
C-N7					
C-N8					
ELECTRICAL SPECIAL INSPECTIONS					
C-E1	Available Fault and Short-Circuit Current Field Marking CEC 110.16(B), 110.24(A), 620.51(D)(1), 700.5(E)				CO:
C-E2					
C-E3					
MECHANICAL SPECIAL INSPECTIONS					
C-M1					
C-M2					
PLUMBING SPECIAL INSPECTIONS					
C-P1					
C-P2					
FIRE PROTECTION SPECIAL INSPECTIONS					
C-FP1	Sprayed fire-resistant materials CBC 1705A.14 Spray-applied fireproofing				FLSO:
C-FP2	Mastic and intumescent fire-resistant coatings CBC 1705.15 & 1705A.15 In accordance with AWCI 12-B				FLSO:
C-FP3	Penetration firestops CBC 1705.17.1 & 1705A.17.1 Penetration firestop systems that are tested and listed				FLSO:
C-FP4	Fire-resistant joint systems CBC 1705.17.2 & 1705A.17.2 Fire-resistant joint systems that are tested and listed				FLSO:
C-FP5	Smoke control systems CFC 909.18.8 & CBC 170.17 & 1705A.18 Ductwork and operation				FLSO:

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SECTION C		NOTE: Approved agencies, individuals, and all changes to the TIO program shall be identified, evaluated by the DPOR and approved by OSHPD prior to proceeding with the related work.				
Facility #:		Facility Name:		Project #:	Sub #:	
Index #	REQUIRED (Select)	ON-SITE SPECIAL INSPECTIONS		RESPONSIBLE APPROVED AGENCY AND/OR INDIVIDUAL (IDENTIFY SPECIAL INSPECTOR)	COMPLIANCE VERIFICATION BY IOR (Initial/Date)	OSHPD/FDD USE (Initial/Date)
C-FP6		Sprinkler system piping NFPA 13-2016 § 6.5.2 Welded pipe and fittings				FLSO:
C-FP7		Standpipe system piping NFPA 14-2016 § 4.4.2 Welded pipe and fittings				FLSO:
C-FP8						
C-FP9						
OTHER SPECIAL INSPECTIONS						
C-OT1		Exterior insulation and finish systems (EIFS). CBC 1705A.16 EIFS applications				CO:
C-OT2		Water-resistive barrier coating CBC 1705A.16.1 ASTM E2570 Barrier coating when installed over a sheathing substrate.				CO:
C-OT3						
C-OT4						

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SECTION D		NOTE: Approved agencies, individuals, and all changes to the TIO program shall be identified, evaluated by the DPOR and approved by OSHPD prior to proceeding with the related work.			
Facility #:	Facility Name:	Project #:	Sub #:		
Index #	REQUIRED (Select)	OFF-SITE SPECIAL INSPECTIONS	RESPONSIBLE APPROVED AGENCY AND/OR INDIVIDUAL (IDENTIFY SPECIAL INSPECTOR)	COMPLIANCE VERIFICATION BY IOR (Initial/Date)	OSHPD/FDD USE (Initial/Date)

STRUCTURAL SPECIAL INSPECTIONS

Concrete					
Index #	REQUIRED (Select)	DESCRIPTION	RESPONSIBLE APPROVED AGENCY AND/OR INDIVIDUAL (IDENTIFY SPECIAL INSPECTOR)	COMPLIANCE VERIFICATION BY IOR (Initial/Date)	DSE:
D-C1		Concrete CBC 1705A.3; ACI-318 26.5.2 & 26.13 Placement of concrete			
D-C2		Concrete CBC 1705A.3; ACI-318 26.4.1.5 Admixtures			
D-C3		Concrete CBC 1705A.3; ACI-318 26.4 Mix Design			
D-C4		Concrete CBC 1705A.3; ACI-318 26.13 Reinforcing steel & prestressing steel			
D-C5		Concrete CBC 1705A.3 CIP & Post-installed anchors			
D-C6		Concrete CBC Table 1705A.3 Adhesive anchors in horizontal and upwardly inclined positions			
D-C7		Concrete CBC 1705A.3; ACI-318 26.13 Specialty inserts, Stud rails, Rebar mechanical conn., Headed rebar			
D-C8		Concrete CBC 1705A.3.3 Batch plant inspection			
D-C9		Concrete CBC 1705A.3.4; ACI-318 26.13 Prestressed concrete			
D-C10		Concrete CBC 1705A.3 & 1705A.12.5 Precast concrete fabrication & precast panels			
D-C11		Concrete CBC 1705A.3 Insulating concrete			
D-C12		Concrete CBC 1705A.3, 1705A.3.1 & 1903A.8 Welding of reinforcing bars			
D-C13		Concrete CBC 1705A.12.5 GFRC panels			
D-C14		Concrete CBC 1911A.3, ICC AC178 Sec. 3 to 8 Strengthening by externally bonded FRP			
D-C15					
D-C16					

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SECTION D		NOTE: Approved agencies, individuals, and all changes to the TIO program shall be identified, evaluated by the DPOR and approved by OSHPD prior to proceeding with the related work.				
Facility #:		Facility Name:		Project #:		
Sub #:						
Index #	REQUIRED (Select)	OFF-SITE SPECIAL INSPECTIONS		RESPONSIBLE APPROVED AGENCY AND/OR INDIVIDUAL (IDENTIFY SPECIAL INSPECTOR)	COMPLIANCE VERIFICATION BY IOR (Initial/Date)	OSHPD/FDD USE (Initial/Date)
Masonry						
D-MA1		Masonry CBC 1705A.4 Masonry anchors				DSE:
D-MA2						
D-MA3						
Steel						
D-S1		Steel CBC 1705A.2 & 1705A.12.1 Steel shop fabrication				DSE:
D-S2		Steel CBC 1705A.2.5 & 1705A.12.1 Automatic end-welded studs				DSE:
D-S3		Steel CBC 1705A.2.5 & 1705A.12.1 Shop and field welding				DSE:
D-S4		Steel AWS D1.1 3 & 4 and AWS D1.8 6.1 Shop and field welding - WPS / WPQR				DSE:
D-S5		Steel CBC 1705A.2 & 1705A.12.1 High strength bolt installation				DSE:
D-S6		Steel CBC 1705A.2, 1705A.11.2 & 1705A.12.3 Cold-formed steel light frame construction				DSE:
D-S7						
D-S8						
Wood						
D-W1		Wood CBC 1705A.5, 1705A.5.4, 1705A.11.1 & 1705A.12.2 Glue laminated timber				CO:
D-W2		Wood CBC 1705A.5.6, 1705A.11.1 & 1705A.12.2 Installation of timber connectors				CO:
D-W3		Wood CBC 1705A.5 & 1705A.5.5 Manufactured trusses				CO:
D-W4		Wood CBC 1705A.11.1 & 1705A.12.2 Nailing, screw attachment, bolting, anchoring, field gluing operations and other fastening				CO:

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SECTION D		NOTE: Approved agencies, individuals, and all changes to the TIO program shall be identified, evaluated by the DPOR and approved by OSHPD prior to proceeding with the related work.			
Facility #:		Facility Name:		Project #:	Sub #:
Index #	REQUIRED (Select)	OFF-SITE SPECIAL INSPECTIONS	RESPONSIBLE APPROVED AGENCY AND/OR INDIVIDUAL (IDENTIFY SPECIAL INSPECTOR)	COMPLIANCE VERIFICATION BY IOR (Initial/Date)	OSHDP/FDD USE (Initial/Date)
D-W5					
D-W6					
Other Structural Materials					
D-OM1	Aluminum CBC 2003.1 Inspection				DSE:
D-OM2					
D-OM3					
Alternative Systems					
D-AS1	Alternative system CBC 1705A.1.1 Construction materials and methods for alternative system				CO:
D-AS2	Seismic isolation and damping system CBC 1705A.12.8 Fabrication, installation, prototype, and production testing				DSE:
D-AS3					
D-AS4					
Nonstructural components, supports and attachments					
D-N1	Architectural components CBC 1705A.12.5 & 1705A.16 Cladding, nonbearing walls and veneer				CO:
D-N2	Ceiling CBC 1705A.12.5 Suspended ceiling systems and their anchorage				CO:
D-N3	Access floors CBC 1705A.12.5.1 Anchorage of access floor systems				CO:
D-N4	Storage racks 8' or taller CBC 1705A.12.7 Anchorage				CO:
D-N5	Plumbing, mechanical and electrical components CBC 1705A.12.6 Anchorage, bracing, and vibration isolators				CO:

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SECTION D		NOTE: Approved agencies, individuals, and all changes to the TIO program shall be identified, evaluated by the DPOR and approved by OSHPD prior to proceeding with the related work.			
Facility #:	Facility Name:	Project #:	Sub #:		
Index #	REQUIRED (Select)	OFF-SITE SPECIAL INSPECTIONS	RESPONSIBLE APPROVED AGENCY AND/OR INDIVIDUAL (IDENTIFY SPECIAL INSPECTOR)	COMPLIANCE VERIFICATION BY IOR (Initial/Date)	OSHPD/FDD USE (Initial/Date)
D-N6		Special Seismic Certification CBC 1705A.12.4 Special Seismic Certification label, anchorage and mounting			DSE:
D-N7					
D-N8					
MECHANICAL SPECIAL INSPECTIONS					
D-M1					
D-M2					
PLUMBING SPECIAL INSPECTIONS					
D-P1					
D-P2					
FIRE PROTECTION SPECIAL INSPECTIONS					
D-FP1		Sprayed fire-resistant materials CBC 1705A.14 Spray-applied fireproofing			FLSO:
D-FP2		Mastic and intumescent fire-resistant coatings CBC 1705.15 & 1705A.15 In accordance with AWCI 12-B			FLSO:
D-FP3		Penetration firestops CBC 1705.17.1 & 1705A.17.1 Penetration firestop systems that are tested and listed			FLSO:
D-FP4		Fire-resistant joint systems CBC 1705.17.2 & 1705A.17.2 Fire-resistant joint systems that are tested and listed			FLSO:
D-FP5		Smoke control systems CFC 909.18.8 & CBC 170.17 & 1705A.18 Ductwork and operation			FLSO:
D-FP6		Sprinkler system piping NFPA 13-2016 § 6.5.2 Welded pipe and fittings			FLSO:
D-FP7		Standpipe system piping NFPA 14-2016 § 4.4.2 Welded pipe and fittings			FLSO:
D-FP8					

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SECTION D		NOTE: Approved agencies, individuals, and all changes to the TIO program shall be identified, evaluated by the DPOR and approved by OSHPD prior to proceeding with the related work.			
Facility #:		Facility Name:		Project #:	Sub #:
Index #	REQUIRED (Select)	OFF-SITE SPECIAL INSPECTIONS	RESPONSIBLE APPROVED AGENCY AND/OR INDIVIDUAL (IDENTIFY SPECIAL INSPECTOR)	COMPLIANCE VERIFICATION BY IOR (Initial/Date)	OSHPD/FDD USE (Initial/Date)
D-FP9					
OTHER SPECIAL INSPECTIONS					
D-OT1		Exterior insulation and finish systems (EIFS). CBC 1705A.16 EIFS applications			CO:
D-OT2		Water-resistive barrier coating CBC 1705A.16.1 ASTM E2570 Barrier coating when installed over a sheathing substrate.			CO:
D-OT3					
D-OT4					

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SECTION E		REQUIRED COMPLIANCE FORMS				
Facility #:		Facility Name:		Project #:		Sub #:
FORM #	REQUIRED (Select)	DOCUMENT NAME	RESPONSIBLE DESIGNER OR INSTALLING CONTRACTOR	COMPLIANCE VERIFICATION BY IOR (Initial/Date)	OSHPD/FDD USE (Initial/Date)	

CALIFORNIA ENERGY CODE

NON-RESIDENTIAL CERTIFICATE OF INSTALLATION (NRCI)

NRCIENV-01-E		ENVELOPE			
NRCIMCH-01-E		MECHANICAL			
NRCIPLB-01-E		PLUMBING			
NRCILLTI-01-E		INDOOR LIGHTING <i>(conditioned, processed spaces)</i>			
NRCILLTI-02-E		ENERGY MANAGEMENT CONTROL SYSTEM OR LIGHTING CONTROL SYSTEM <i>(conditioned, processed spaces)</i>			
NRCILLTI-04-E		TWO INTERLOCKED LIGHTING SYSTEMS <i>(conditioned, processed spaces)</i>			

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SECTION E		REQUIRED COMPLIANCE FORMS			
Facility #:		Facility Name:		Project #:	
FORM #	REQUIRED (Select)	DOCUMENT NAME	RESPONSIBLE DESIGNER OR INSTALLING CONTRACTOR	COMPLIANCE VERIFICATION BY IOR (Initial/Date)	OSHPD/FDD USE (Initial/Date)
NRCI-LTI-05-E		ENERGY MANAGEMENT CONTROL SYSTEM OR LIGHTING CONTROL SYSTEM <i>(conditioned, processed spaces)</i>			
NRCI-LTI-06-E		VIDEO CONFERENCE STUDIO LIGHTING <i>(conditioned, processed spaces)</i>			
NRCI-LTI-01-E		INDOOR LIGHTING <i>(conditioned, processed spaces)</i>			
NRCI-LTI-02-E		ENERGY MANAGEMENT CONTROL SYSTEM OR LIGHTING CONTROL SYSTEM <i>(conditioned, processed spaces)</i>			
NRCI-LTI-05-E		ENERGY MANAGEMENT CONTROL SYSTEM OR LIGHTING CONTROL SYSTEM <i>(conditioned, processed spaces)</i>			
NRCI-LTO-01-E		OUTDOOR LIGHTING			

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SECTION E		REQUIRED COMPLIANCE FORMS				
Facility #:		Facility Name:		Project #:		Sub #:
FORM #	REQUIRED (Select)	DOCUMENT NAME	RESPONSIBLE DESIGNER OR INSTALLING CONTRACTOR	COMPLIANCE VERIFICATION BY IOR (Initial/Date)	OSHPD/FDD USE (Initial/Date)	
NRCI-LTO-02-E		ENERGY MANAGEMENT CONTROL SYSTEM OR LIGHTING CONTROL SYSTEM <i>(outdoor lighting)</i>				
NRCI-ELC-01-E		ELECTRICAL POWER DISTRIBUTION				
NRCI-PRC-01-E		COVERED PROCESSES <i>(commercial refrigeration)</i>				
NRCI-PRC-01-E		COVERED PROCESSES <i>(parking garage)</i>				
NRCI-PRC-01-E		COVERED PROCESSES <i>(process boilers greater than 2.5 MM Btu/h)</i>				
NRCI-LTS-01-E		SIGN LIGHTING <i>(indoor and outdoor)</i>				
NON-RESIDENTIAL CERTIFICATE OF ACCEPTANCE (NRCA)						

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SECTION E		REQUIRED COMPLIANCE FORMS				
Facility #:		Facility Name:		Project #:		Sub #:
FORM #	REQUIRED (Select)	DOCUMENT NAME	RESPONSIBLE DESIGNER OR INSTALLING CONTRACTOR	COMPLIANCE VERIFICATION BY IOR (Initial/Date)	OSHPD/FDD USE (Initial/Date)	
NRCA-ENV-02-F		FENESTRATION ACCEPTANCE				

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SECTION H	PLAN REVIEW APPROVAL		
Facility #:	Facility Name:	Project #:	Sub #:
<p>NOTE: When a structural engineer has been delegated responsibility for a portion of this project his or her signature is also required. For testing, Inspection and Observation Program Instructions visit: https://oshpd.ca.gov/construction-finance/resources/forms-applications-reminder-lists/#TIO</p>			
Submitted By			
<p>I have reviewed the approved construction documents for this project and all tests and special inspections required by Code are marked as "required" on this form.</p>			
Architect/Engineer of Record (Print Name)		Architect/Engineer of Record (Signature)	Date
Structural Engineer of Record (Print Name)		Structural Engineer of Record (Signature)	Date
FOR OSHPD USE			
OSHPD Plan Approval:			
		<input type="checkbox"/> APPROVED <input type="checkbox"/> APPROVED WITH COMMENTS <input type="checkbox"/> DENIED	
Signature	Date		
Comments (If AC or D is checked the following comments shall be resolved by the designer prior to proceeding with the related construction):			

Testing, Inspection and Observation Program
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SECTION I		BUILDING PERMIT APPROVAL	
Facility #:	Facility Name:	Project #:	Sub #:
NOTE: For testing, Inspection and Observation Program Instructions visit: www.oshpd.ca.gov			
<p>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.</p> <p>Samples of Test and Inspection Reports are: (NOT required for test performed by laboratories approved through OPAA Program) <i>Testing agency qualification for approval or approval of testing agencies shall be through OSHPDs OPAA program.</i></p>			
<p><input type="checkbox"/> OPAA PROGRAM (Provide copy of OPAA program approval for OPAA approved laboratories and testing agencies) .</p> <p><input type="checkbox"/> <i>The qualifications, certifications, experience and independence of the approved agencies and individuals named on this form have been evaluated and accepted by the undersigned in accordance with CAC Section 7-141, 7-144 & 7-149; CBC 1703A.1.1 & 1704A.2.1; and ISO 17025 Section 4.1.4 as applicable. Approved agencies and individuals named for structural tests and special inspections have been evaluated and accepted by the structural engineer delegated responsibility for the design and administration of construction of the structural aspects (when such delegation has been made).</i></p> <p><input type="checkbox"/> <i>Samples of Test and Inspection reports to be provided following determination of the responsible firm(s) or individuals. Samples shall be submitted to and approved by the Office prior to proceeding with the work that requires test or special inspections.</i></p> <p><input type="checkbox"/> <i>Samples attached.</i></p> <p><input type="checkbox"/> <i>Not applicable. Project has no required test or special inspections.</i></p>			
<p>All test and special inspection reports shall be submitted to the IOR, hospital owner, architect in responsible charge, and the structural engineer by the testing agency per CAC 7-149(a) within seven (7) calendar days of the test or special inspection.</p> <p>Verified compliance reports shall be signed by the individual who performed the special inspection(s) as outlined in CAC 7-151 (c).</p> <p>All reports shall clearly state whether the tests or special inspections were performed in accordance with the OSHPD stamped approved documents and whether the results indicate compliance with those documents per CAC 7-149 (a). All IORs performing special inspections shall hold the appropriate certification and equipment and shall obtain approval from OSHPD prior to perform such work.</p>			
Architect/Engineer of Record (Print Name)	Professional License #	Architect/Engineer of Record (Signature)	Date
FOR OSHPD USE			
OSHPD TI&O Program Approval:			
		<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <input style="width: 30px; height: 30px; border: 1px solid black;" type="checkbox"/> APPROVED </div> <div style="text-align: center;"> <input style="width: 30px; height: 30px; border: 1px solid black;" type="checkbox"/> APPROVED WITH COMMENTS </div> <div style="text-align: center;"> <input style="width: 30px; height: 30px; border: 1px solid black;" type="checkbox"/> DENIED </div> </div>	
Signature	Date		
<p>Comments (If Approved with comments or Denied is checked the following comments shall be resolved by the designer prior to proceeding with the related construction):</p> <div style="border: 1px solid black; height: 100px; width: 100%;"></div>			

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SECTION J		SUMMARY OF CHANGES TO THE TIO PROGRAM			
		NOTE: Note all changes shall be approved as amended construction documents per CAC 7-153, or "concurred with" as non-material alterations per CAC 7-153(b), by OSHPD prior to proceeding with the related work.			
Facility #:	Facility Name:			Project #:	Sub #:
TESTING, INSPECTION, OBSERVATION PROGRAM NON-MATERIALLY ALTER CHANGES BY THE ARCHITECT OF RECORD / ENGINEER OF RECORD IN RESPONSIBLE CHARGE					OSHPD FDD CONCURRENCE (Initial/date)
A signature in column F and/or G indicates the indicated DPOR has verified the acceptance statements in Section G of this Form are applicable to any approved agencies/testing laboratories and special inspectors added.					
REVISION NUMBER	SYNOPSIS OF CHANGE	Architect/Engineer of Record Signature (Initial/date)	Structural Engineer of Record Signature (Initial/date)	DATE of Effective Change	