2016 Field/Fire Life Safety Construction Reminder List

I. Scope
1. The inspector shall have personal knowledge, obtained by continuous inspection of all parts of the work of construction. CAC, Sec. 7-145 (a) 1.
2. The office shall make such observation as in its judgment is necessary or proper for enforcement of all applicable parts of the California Building Standards Code.
3. The architect or engineer in responsible charge of the work shall prepare and administer a testing, inspection and observation program. CAC, Sec. 7-141 (d)

II. Egress During Construction

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1. Means of egress from occupied spaces assured CFC, Sec. 3311.2
2. Reduction in required exit width approved CFC, Sec. 3311.2
3. Reduction in number of means of egress approved CFC, Sec. 3311.2
4. Temporary means of egress approved CFC, Sec. 3311.2
5. Modifications to existing means of egress approved CFC, Sec. 3311.2
6. Temporary exit signs provided CBC, Sec. 1013
7. Emergency planning information provided CFC, Sec. 3308.2

III. Fire Safety During Construction

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1. Fire rated separations maintained CFC, Sec. 3303.1 & 703.2
2. Temporary construction barriers provided. See OSHPD CAN 9-3301
3. Temporary standpipes provided during construction CFC, Sec. 3313.1
4. Existing fire alarm notification devices maintained CFC, Sec. 3308.4
5. Access to existing manual fire alarm pull stations maintained CFC, Sec. 3308.4
6. Access to existing fire extinguishers maintained CFC, Sec. 3308.4
7. Existing automatic fire sprinkler system maintained CFC, Sec. 3308.4
8. Fire extinguishers provided during construction CFC, Sec. 3315.1
9. Interruptions of fire life safety systems require advanced notice CFC, Sec. 901.7.4
10. Interruptions to fire alarm/fire sprinkler systems require fire watch. See OSHPD PIN 4 CFC, Sec. 901.7
11. Fire watch required for hot work. See OSHPD PIN 4 CFC, Sec. 3504.2
12. Fire watch procedures in accordance with fire authority. See OSHPD PIN 4 CFC, Sec. 3304.5

IV. Performance of Construction

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1. Building permit required prior to work beginning CAC, Sec. 7-135
2. Approved construction documents available on site CAC, Sec. 7-145 (a) 4.
3. Approved fire sprinkler drawings on site prior to installation CAC, Sec. 7-145 (a) 4.
4. Approved fire alarm drawings on site prior to installation - Note that fire alarm work is permitted to commence when location of devices is included with approved plans CAC, Sec. 7-145 (a) 4.
V. Tests and Inspections

1. Inspection of fire mains, hydrants, control valves and methods of restraint prior to burial
2. Hydrostatic testing of underground fire system piping
3. Inspection of sprinkler and standpipe piping, valves, hangers, braces, anchorage and heads
4. Testing of anchors for hangers and braces
5. Hydrostatic testing of aboveground fire sprinkler and standpipe system piping
6. Inspection of fire alarm control panels, circuits, initiation, supervisory and notification devices
7. Test fire alarm system performance of all initiating and notification devices. See OSHPD PIN 63
8. Test activation of automatic fire doors, elevator recall, shut down of HVAC, elevator shunt trip and interconnection of automatic extinguishing systems.
9. Inspection and operation of fire dampers, smoke-fire dampers, fire assemblies, smoke-and-draft control assemblies, delayed egress systems and access control systems
10. Inspection and testing of smoke control systems including pressurized stair enclosures
11. Construction of fire rated construction and fire rated separations
12. Inspection and testing of spray applied fireproofing
13. Inspection of mastic & intumescent fire-resistant coatings
14. Inspection of fire stop systems, head of wall systems, edge of slab systems and expansion joint systems
15. Inspection and testing of emergency generator
16. Inspection and testing of emergency power for egress lighting, exit signs, fire alarm systems, medical gas alarm systems, elevators, public address systems
17. Inspection and testing of underground fuel storage and piping. See OSHPD PIN 2
18. Inspection of aboveground fuel storage, spill control, secondary containment and testing of piping system.
19. Inspection and testing of refrigeration leak detection, emergency ventilation and alarm system
20. Inspection and testing of medical gas system piping, valves and alarm panels
21. Installation and location of exit signs, tactile exit signs, stairway identification signs, emergency evacuation signs, elevator signs, occupant load/room capacity signs
22. Location and installation of fire extinguishers

Installation details required for fire dampers, smoke-fire dampers, fire stop systems, head of wall systems, edge of slab systems, expansion joint systems, spray applied fireproofing, duct detectors, in-duct detectors

CBC, Sec. 10.10
NFPA 24, Sec. 10.10
NFPA 13, Sec. 25.2
CBC, Sec. 1910A
NFPA 13, Sec. 25.2
NFPA 72, Sec. 14.4
NFPA 72, Sec. 14.4
NFPA 72, Sec. 14.4
CBC, Sec. 110.1
CBC, Sec. 1705A.18
CBC, Sec. 110.1
CBC, Sec. 1705A.14
CBC, Sec. 1705A.15
CBC, Sec. 1705A.17
NFPA 110, Sec. 7.13
CBC, Sec. 110.1
CFC, Sec. 5704.2.12
CFC, Sec. 5703.6.3 & CFC, Sec. 106.2
CMC, Sec. 1108.4
NFPA 99, Sec. 5.1.12
CBC, Sec. 110.1
CFC, Sec. 906
APPLICABLE CODES AND STANDARDS

2016 California Administrative Code - Part 1, Title 24, CCR

2016 California Building Code – Part 2, Title 24, CCR

2016 California Electrical Code – Part 3, Title 24, CCR
(2014 National Electrical Code and 2016 California Amendments)

2016 California Mechanical Code - Part 4, Title 24, CCR
(2015 Uniform Mechanical Code and 2016 California Amendments)

2016 California Plumbing Code - Part 4, Title 24, CCR
(2015 Uniform Plumbing Code and 2016 California Amendments)

2016 California Fire Code – Part 9, Title 24, CCR

National Fire Protection Association (NFPA)

NFPA 13 Installation of Sprinkler Systems, 2016 Edition
NFPA 24 Installation of Private Fire Service Mains, 2016 Edition
NFPA 72 National Fire Alarm and Signaling Code, 2016 Edition

http://www.oshpd.ca.gov/FDD/Regulations/CANs/index.html
OSHPD Project Review Status
http://www.oshpd.ca.gov/FDD/project_status/index.asp
OSHPD Public Use Forms
http://www.oshpd.ca.gov/FDD/Forms/index.html