

## 2007 Plan Review Reminder List - Fire Alarm

### Applicable Codes and Standards

CBC 2007, CEC 2007, CFC 2007

NFPA 72 2007

**Instructions:** The following items are to be verified for completeness prior to submitting to OSHPD for plan review.

<b>CHK</b>	<b>NA</b>	<b>I. Submittal Requirements</b>	
<input type="checkbox"/>	<input type="checkbox"/>	1. Two (2) sets of plans and calculations.	CAC, Sec. 7-113. (a) 2.C.
<input type="checkbox"/>	<input type="checkbox"/>	2. Two (2) sets of equipment submittals (cut sheets, CSFM listing and product information).	CAC, Sec. 7-113. (a) 2.C.
<input type="checkbox"/>	<input type="checkbox"/>	3. Transmittal letter with name, address, phone, email, fax and license number of fire alarm contractor.	CAC, Sec. 7-115 [c]
<input type="checkbox"/>	<input type="checkbox"/>	4. Construction documents shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of the California Fire Code, and relevant laws, ordinances, rules and regulations, as determined by the fire code official.	CFC, Appdx. Sec. 105.4.2
<b>CHK</b>	<b>NA</b>	<b>II. General Information - Working Plans</b>	
<input type="checkbox"/>	<input type="checkbox"/>	1. Name of owner and occupant.	NFPA 72, Sec. A.4.5.1.1 (1)
<input type="checkbox"/>	<input type="checkbox"/>	2. Location, including street address.	NFPA 72, Sec. A.4.5.1.1 (2)
<input type="checkbox"/>	<input type="checkbox"/>	3. Scope of work. Indicate if part of a remodel or new building project or a separate fire alarm project.	CFC, Appdx. Sec. 105.4.2
<input type="checkbox"/>	<input type="checkbox"/>	4. Floor plan indicating location of fire alarm initiating devices.	CFC, Sec. 907.1.1, Item 2
<input type="checkbox"/>	<input type="checkbox"/>	5. Floor plan indicating location of notification devices including candela rating for visible alarm devices - See also OSHPD CAN 9-907.	CFC, Sec. 907.1.1, Item 2
<input type="checkbox"/>	<input type="checkbox"/>	6. Type and number of devices on each circuit on each floor.	NFPA 72, Sec. A.4.5.1.1 (4)
<input type="checkbox"/>	<input type="checkbox"/>	7. Riser diagram.	NFPA 72, Sec. A.4.5.1.1
<input type="checkbox"/>	<input type="checkbox"/>	8. "Point to Point" diagram and wire legend.	NFPA 72, Sec. A.4.5.1.1
<input type="checkbox"/>	<input type="checkbox"/>	9. Wiring diagrams of devices, appliances & indicators.	NFPA 72, Sec. A.4.5.1.1
<input type="checkbox"/>	<input type="checkbox"/>	10. Location of partitions and fire/smoke walls (include fire ratings of walls).	NFPA 72, Sec. A.4.5.1.1 (4)
<input type="checkbox"/>	<input type="checkbox"/>	11. Make, model, type, number, and voltage of storage batteries.	CFC, Sec. 907.1.1, Item 9
<input type="checkbox"/>	<input type="checkbox"/>	12. Battery calculations.	CFC, Sec. 907.1.1, Item 6
<input type="checkbox"/>	<input type="checkbox"/>	13. Voltage drop calculations - See also OSHPD CAN 9-907.	CFC, Sec. 907.1.1, Item 8
<input type="checkbox"/>	<input type="checkbox"/>	14. Accurate legend of symbols for all new and existing fire alarm devices.	NFPA 72, Sec. A.4.5.1.1 (3)
<input type="checkbox"/>	<input type="checkbox"/>	15. Elevation detail of manual pull stations.	CFC, Appdx. Sec. 105.4.2
<input type="checkbox"/>	<input type="checkbox"/>	16. Elevation detail of visual alarm signaling devices.	CFC, Appdx. Sec. 105.4.2
<input type="checkbox"/>	<input type="checkbox"/>	17. Type of wiring used, including gauge and wire counts and conduit size.	CFC, Sec. 907.1.1, Item 7
<input type="checkbox"/>	<input type="checkbox"/>	18. Design numbers and details of through penetration fire stop systems.	CFC, Appdx. Sec. 105.4.2
<input type="checkbox"/>	<input type="checkbox"/>	19. Floor plan identifying rooms and their uses.	CFC, Sec. 907.1.1, Item 1
<input type="checkbox"/>	<input type="checkbox"/>	20. Ceiling details, reflected ceiling plans and interior elevations depicting irregular ceilings and identifying ceiling heights.	CFC, Sec. 907.1.1, Item 10
<input type="checkbox"/>	<input type="checkbox"/>	21. Location of supply and return air diffusers.	CFC, Appdx. Sec. 105.4.2
<input type="checkbox"/>	<input type="checkbox"/>	22. Details on support and anchorage of any fire alarm equipment weighing more than 20 pounds.	CAC, Sec. 7-125 [c] L. Exception 5
<input type="checkbox"/>	<input type="checkbox"/>	23. Sequence of operation/events when alarm system is activated.	NFPA 72, Sec. 4.5.1.1
<input type="checkbox"/>	<input type="checkbox"/>	24. Compass direction with north arrow and clearly marked scale.	NFPA 72, Sec. A.4.5.1.1 (2) & (3)
<input type="checkbox"/>	<input type="checkbox"/>	25. Location of FACP, annunciators, transponders and notification power supplies.	CFC, Sec. 907.1.1, Item 3
<input type="checkbox"/>	<input type="checkbox"/>	26. Location of range hood fire suppression system, if applicable.	CFC, Sec. 907.1.1, Item 11
<input type="checkbox"/>	<input type="checkbox"/>	27. Location of fire sprinkler PIV, flow, and tamper supervision, if applicable.	CFC, Sec. 907.1.1, Item 11
<input type="checkbox"/>	<input type="checkbox"/>	28. Stamp and signature of the designer in responsible charge, if applicable.	CAC, Sec. 7-115 (a) & (b)
<input type="checkbox"/>	<input type="checkbox"/>	29. Location of primary power for fire alarm panel. Breakers shall be locked open and marked "Fire Alarm".	CFC, Sec. 907.1.1, Item 5
<input type="checkbox"/>	<input type="checkbox"/>	30. Location and type of secondary power supply, if applicable.	CFC, Appdx. Sec. 105.4.2
<input type="checkbox"/>	<input type="checkbox"/>	31. Circuit class, style and survivability level for initiating and notification loops/circuits.	CFC, Appdx. Sec. 105.4.2
<input type="checkbox"/>	<input type="checkbox"/>	32. Indicate location of devices for activation of elevator recall and shut down.	CFC, Sec. 907.1.1, Item 11
<input type="checkbox"/>	<input type="checkbox"/>	33. Indicate location of motorized fire/smoke dampers activated by fire alarm devices.	CFC, Sec. 907.1.1, Item 11

<b><u>CHK</u></b>	<b><u>NA</u></b>	<b>III. Additional Information</b>	
<input type="checkbox"/>	<input type="checkbox"/>	1. General Notes.	CFC, Appdx. Sec. 105.4.2
<input type="checkbox"/>	<input type="checkbox"/>	2. Basic building information including occupancy group, type of construction, number of stories, floor area and presence of fire sprinkler protection.	CFC, Appdx. Sec. 105.4.2
<input type="checkbox"/>	<input type="checkbox"/>	3. Indication of applicable editions of NFPA 72, CBC, CEC, CFC & CMC.	CFC, Appdx. Sec. 105.4.2
<input type="checkbox"/>	<input type="checkbox"/>	4. Reference CBC Amendments to NFPA 72 in CBC Chapter 35.	CFC, Appdx. Sec. 105.4.2
<input type="checkbox"/>	<input type="checkbox"/>	5. Reference OSHPD Policy Intent and Code Application Notices.	CFC, Appdx. Sec. 105.4.2
<input type="checkbox"/>	<input type="checkbox"/>	6. Local fire authority fire alarm annunciation approval - OSHPD form available.	CFC, Sec. 907.9.2
<b><u>CHK</u></b>	<b><u>NA</u></b>	<b>IV. Equipment Submittals</b>	
<input type="checkbox"/>	<input type="checkbox"/>	1. California State Fire Marshal listing sheets indicating expiration date for all listed components.	CFC, Sec. 907.1.2
<input type="checkbox"/>	<input type="checkbox"/>	2. Manufacturers specification sheets for all fire alarm equipment.	CFC, Sec. 907.1.1, Item 9
<input type="checkbox"/>	<input type="checkbox"/>	3. Monitoring company information including UL listing number and certification.	CFC, Appdx. Sec. 105.4.2
<input type="checkbox"/>	<input type="checkbox"/>	4. Anchorage details for fire alarm control panels weighing more than 20 pounds.	CAC, Sec. 7-125 [c] L. Exception 5

**APPLICABLE CODES AND STANDARDS**

**2007 California Administrative Code - Part 1, Title 24, CCR**

**2007 California Building Code – Part 2, Title 24, CCR  
(2006 International Building Code and 2007 California Amendments)**

**2007 California Electrical Code – Part 3, Title 24, CCR  
(2005 National Electrical Code and 2007 California Amendments)**

**2007 California Mechanical Code - Part 4, Title 24, CCR  
(2006 Uniform Mechanical Code and 2007 California Amendments)**

**2007 California Fire Code – Part 9, Title 24, CCR  
(2006 International Fire Code and 2007 California Amendments)**

**National Fire Protection Association (NFPA)  
NFPA 72 *National Fire Alarm and Signaling Code*, 2007 Edition**

**OSHPD Reference Material Available on the Internet**

- OSHPD Fire and Life Safety Forms  
<http://www.oshpd.ca.gov/FDD/Regulations/CANs/index.html>
- OSHPD Project Review Status  
[http://www.oshpd.ca.gov/FDD/project\\_status/index.asp](http://www.oshpd.ca.gov/FDD/project_status/index.asp)
- OSHPD Public Use Forms  
<http://www.oshpd.ca.gov/FDD/Forms/index.html>