

2016 Plan Review Reminder List - Fire Alarm

Applicable Codes and Standards

CBC 2016, CEC 2016, CFC 2016
NFPA 72 2016

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

<u>CHK</u>	<u>NA</u>	I. Submittal Requirements	
<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] 5
<input type="checkbox"/>	<input type="checkbox"/>	4. Construction documents for fire alarm systems 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, the California Building Code, and relevant laws, ordinances, rules and regulations, as determined by the fire code official.	CFC, Sec. 907.1.1
<u>CHK</u>	<u>NA</u>	II. General Information - Working Plans	
<input type="checkbox"/>	<input type="checkbox"/>	1. Name of owner and occupant	NFPA 72, Sec. 7.4.4 (1)
<input type="checkbox"/>	<input type="checkbox"/>	2. Location, including street address	NFPA 72, Sec. 7.4.4 (3)
<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, Sec. 907.1.1
<input type="checkbox"/>	<input type="checkbox"/>	4. Floor plan indicating location of fire alarm initiating devices	CFC, Sec. 907.1.2, 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 9-907.5.2.3.1	CFC, Sec. 907.1.2, Item 3
<input type="checkbox"/>	<input type="checkbox"/>	6. Type and number of devices on each circuit on each floor	NFPA 72, Sec. 7.4.5 (11)
<input type="checkbox"/>	<input type="checkbox"/>	7. Riser diagram	NFPA 72, Sec. 7.4.6
<input type="checkbox"/>	<input type="checkbox"/>	8. "Point to Point" diagram and wire legend	NFPA 72, Sec. 7.4.7 (4)
<input type="checkbox"/>	<input type="checkbox"/>	9. Wiring diagrams of devices, appliances & indicators	NFPA 72, Sec. 7.4.8
<input type="checkbox"/>	<input type="checkbox"/>	10. Location of partitions and fire/smoke walls (include fire ratings of walls)	NFPA 72, Sec. 7.4.5 (5)
<input type="checkbox"/>	<input type="checkbox"/>	11. Make, model, type, number, and voltage of storage batteries	CFC, Sec. 907.1.2, Item 11
<input type="checkbox"/>	<input type="checkbox"/>	12. Battery calculations	CFC, Sec. 907.1.2, Item 8
<input type="checkbox"/>	<input type="checkbox"/>	13. Voltage drop calculations - See also OSHPD CAN 9-907	CFC, Sec. 907.1.2, Item 10
<input type="checkbox"/>	<input type="checkbox"/>	14. Accurate legend of symbols for all new and existing fire alarm devices	CFC, Sec. 907.1.2, Item 15
<input type="checkbox"/>	<input type="checkbox"/>	15. Elevation detail of manual pull stations	CFC, Sec. 907.1.1
<input type="checkbox"/>	<input type="checkbox"/>	16. Elevation detail of visual alarm signaling devices	CFC, Sec. 907.1.1
<input type="checkbox"/>	<input type="checkbox"/>	17. Type of wiring used, including gauge and wire counts and conduit size	CFC, Sec. 907.1.2, Item 9
<input type="checkbox"/>	<input type="checkbox"/>	18. Design numbers and details of through penetration fire stop systems	CFC, Sec. 907.1.1
<input type="checkbox"/>	<input type="checkbox"/>	19. Floor plan identifying rooms and their uses	CFC, Sec. 907.1.2, 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. 907.1.2, Item 12
<input type="checkbox"/>	<input type="checkbox"/>	21. Location of supply and return air diffusers	CFC, Sec. 907.1.1
<input type="checkbox"/>	<input type="checkbox"/>	22. Details on support and anchorage of any fire alarm equipment weighing more than 20 pounds	CBC, Sec. 1616A.1.18 ASCE 7, Sec. 13.1.4, Exmpt. 3 b. ii.
<input type="checkbox"/>	<input type="checkbox"/>	23. Sequence of operation/events when alarm system is activated	NFPA 72, Sec. 7.4.9
<input type="checkbox"/>	<input type="checkbox"/>	24. Compass direction with north arrow and clearly marked scale	NFPA 72, Sec. 7.4.5 (2) & (3)
<input type="checkbox"/>	<input type="checkbox"/>	25. Location of FACP, annunciators, transponders and notification power supplies	CFC, Sec. 907.1.2, Item 5
<input type="checkbox"/>	<input type="checkbox"/>	26. Location of range hood fire suppression system, if applicable	CFC, Sec. 907.1.2, Item 13
<input type="checkbox"/>	<input type="checkbox"/>	27. Location of fire sprinkler PIV, flow, and tamper supervision, if applicable	CFC, Sec. 907.1.2, Item 13
<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. 907.1.2, Item 7

CHK	NA	II. General Information - Working Plans (Continued)	
<input type="checkbox"/>	<input type="checkbox"/>	30. Location and type of secondary power supply, if applicable	CFC, Sec. 907.1.1
<input type="checkbox"/>	<input type="checkbox"/>	31. Circuit class and survivability level for initiating and notification loops/circuits	CFC, Sec. 907.1.1
<input type="checkbox"/>	<input type="checkbox"/>	32. Indicate location of devices for activation of elevator recall and shut down	CFC, Sec. 907.1.2, Item 13
<input type="checkbox"/>	<input type="checkbox"/>	33. Indicate location of motorized fire/smoke dampers activated by fire alarm devices	CFC, Sec. 907.1.2, Item 13

CHK	NA	III. Additional Information	
<input type="checkbox"/>	<input type="checkbox"/>	1. General Notes	CFC, Sec. 907.1.1
<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, Sec. 907.1.1
<input type="checkbox"/>	<input type="checkbox"/>	3. Indication of applicable editions of NFPA 72, CBC, CEC, CFC & CMC	CFC, Sec. 907.1.1
<input type="checkbox"/>	<input type="checkbox"/>	4. Reference CBC Amendments to NFPA 72 in CBC Chapter 35	CFC, Sec. 907.1.1
<input type="checkbox"/>	<input type="checkbox"/>	5. Reference OSHPD Policy Intent and Code Application Notices	CFC, Sec. 907.1.1
<input type="checkbox"/>	<input type="checkbox"/>	6. Local fire authority fire alarm annunciation approval - OSHPD form available	CFC, Sec. 907.6.4.1.1

CHK	NA	IV. Equipment Submittals	
<input type="checkbox"/>	<input type="checkbox"/>	1. California State Fire Marshal listing sheets indicating expiration date for all listed components	CFC, Sec. 907.1.3
<input type="checkbox"/>	<input type="checkbox"/>	2. Manufacturers specification sheets for all fire alarm equipment	CFC, Sec. 907.1.2, Item 11
<input type="checkbox"/>	<input type="checkbox"/>	3. Monitoring company information including UL listing number and certification	CFC, Sec. 907.1.2, Item 14
<input type="checkbox"/>	<input type="checkbox"/>	4. Anchorage details for fire alarm control panels weighing more than 20 pounds	CBC, Sec. 1616A.1.18 ASCE 7, Sec. 13.1.4, Exmpt. 3 b. ii.

APPLICABLE CODES AND STANDARDS

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

**2016 California Building Code – Part 2, Title 24, CCR
(2015 International Building Code and 2016 California Amendments)**

**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 Fire Code – Part 9, Title 24, CCR
(2015 International Fire Code and 2016 California Amendments)**

**National Fire Protection Association (NFPA)
NFPA 72 *National Fire Alarm and Signaling Code*, 2016 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
 OSHPD Public Use Forms
<http://www.oshpd.ca.gov/FDD/Forms/index.html>