

2010 Helistops - Heliports Reminder List

Applicable Codes and Standards

CBC 2010, CFC 2010, NFPA 418 - 2006 edition

SCOPE

1. Building Code requirements for heliports and helistops are not applicable to facilities located on grade. NFPA 418 requirements are not applicable to temporary landing sites and emergency evacuation facilities.

**CBC, Sec. 412.7
& NFPA 418,
Sec. 1.1.4**

CHK

N/A

I. Helistops/Heliports Located on Hospital Buildings

- | | | | |
|--------------------------|--------------------------|--|--|
| <input type="checkbox"/> | <input type="checkbox"/> | 1. All landing areas located on buildings or structures shall have at least two means of egress. | |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. Exits must be remotely located from each other. | |
| <input type="checkbox"/> | <input type="checkbox"/> | 3. When landing platforms or roof areas are less than 60' in length or less than 2,000 sq. ft. in area, the second means of egress may be a fire escape, alternating tread device or ladder leading to the floor below. | |
| <input type="checkbox"/> | <input type="checkbox"/> | 4. Two access points are required for fire fighting. Access by way of landing area egress is permitted. Compliance with this requirement should be verified with the local fire authority. | |
| <input type="checkbox"/> | <input type="checkbox"/> | 5. The landing area for helicopters less than 3,500 pounds shall be not less than 20 feet in length and width. The landing area shall be surrounded on all sides by a clear area having a minimum average width at roof level of 15 feet but with no width less than 5 feet. | |
| <input type="checkbox"/> | <input type="checkbox"/> | 6. The landing area requirements for helicopters of 3,500 pounds or larger are enforced by the Federal Aviation Administration, Department of Transportation. See FAA A/C 150/5390-2A Heliport Design Circular, September 30, 2004, for additional information. | |
| <input type="checkbox"/> | <input type="checkbox"/> | 7. An approved access to the building's interior shall be provided through each required exit stairway that extends to the roof. | |
| <input type="checkbox"/> | <input type="checkbox"/> | 8. Landing areas shall be designed to confine fuel spills to the landing area and shall drain away from exits, stairways or from a structure housing such exit or stairway. A fuel/water separator or another approved method shall be provided to contain a fuel spill. | |
| <input type="checkbox"/> | <input type="checkbox"/> | 9. The rooftop landing pad shall be pitched to provide drainage at a slope of 0.5% to 2% in order to protect the means of egress, passenger holding area, firefighting access points and fire protection activation systems. | |
| <input type="checkbox"/> | <input type="checkbox"/> | 10. Drainage flow from the rooftop landing pad shall not penetrate alternate egress points, stairways, ramps, hatches and other openings not designed for drainage. | |
| <input type="checkbox"/> | <input type="checkbox"/> | 11. Helicopter landing areas and the supports thereof on the roof of a building shall be noncombustible construction. | |
| <input type="checkbox"/> | <input type="checkbox"/> | 12. Main structural support members that could be exposed to a fuel spill shall be 2-hour rated fire resistant construction. | |
| <input type="checkbox"/> | <input type="checkbox"/> | 13. The rooftop landing surface shall be constructed of approved noncombustible, nonporous materials. | |
| <input type="checkbox"/> | <input type="checkbox"/> | 14. The contiguous building roof covering within 50 feet of the landing pad edge shall have a Class A rating. | |

**CBC, Sec.
412.7.3
CBC, Sec.
1015.2.1 & NFPA
418, Sec. 5.5**

**CBC, Sec.
412.7.3**

**NFPA 418,
Sec. 5.6.1**

**CBC, Sec.
412.7.1**

**NFPA 418, Sec.
4.2**

**NFPA 418,
Sec. 5.6.3
CFC, Sec.
1107.3 & CBC,
Sec. 412.7.2**

**NFPA 418, Sec.
5.3 & Sec. 5.3.1**

**NFPA 418, Sec.
5.3.2**

**CBC, Sec.
412.7.2
NFPA 418, Sec.
5.2**

**NFPA 418, Sec.
5.4.1**

**NFPA 418, Sec.
5.4.2**

- | | | | |
|--------------------------|--------------------------|---|--|
| <input type="checkbox"/> | <input type="checkbox"/> | 15. Where guardrails are required for roof, guardrail height may require greater platform height. | CBC Sec. 1013.1 |
| <input type="checkbox"/> | <input type="checkbox"/> | 16. At least one portable fire extinguisher having a minimum 80-B:C rating shall be provided at each helistop. | CFC Sec. 1107.7 |
| <input type="checkbox"/> | <input type="checkbox"/> | 17. A Class I or III standpipe (2-1/2" outlet) is required when the building is equipped with a standpipe system. All areas of a helistop or heliport area shall be located within 150 feet of the hose outlet. | CFC Sec. 1107.5 |
| <input type="checkbox"/> | <input type="checkbox"/> | 18. Foam fire-protection capabilities shall be provided for rooftop heliports . Such systems shall be designed, installed and maintained in accordance with the applicable provisions of CFC Sections 903, 904 and 905. | CFC Sec. 1107.6 |
| <input type="checkbox"/> | <input type="checkbox"/> | 19. Fire alarm pull stations are required at roof exits. | NFPA 418, Sec. 5.8.1 |
| <input type="checkbox"/> | <input type="checkbox"/> | 20. A means of communication shall be provided from the roof area to notify the fire department of emergencies. | NFPA 418, Sec. 5.8 |
| <input type="checkbox"/> | <input type="checkbox"/> | 21. No smoking shall be permitted within 50 feet of the landing pad edge. NO SMOKING signs shall be provided at access and egress locations. | NFPA 418, Sec. 4.6.1 & Sec. 4.6.2 |
| <input type="checkbox"/> | <input type="checkbox"/> | 22. FAA and California Department of Transportation (CALTRANS) approval is required. | CFC Sec. 1107.8 |

**2010 California Building Code – Part 2, Title 24, CCR
(2009 International Building Code and 2010 California Amendments)**

**2010 California Fire Code – Part 9, Title 24, CCR
(2009 International Fire Code and 2010 California Amendments)**

**National Fire Protection Association (NFPA)
NFPA 418 *Standard for Heliports*, 2006 Edition**

NOTE

Compliance with all items on this list does not necessarily assure compliance with all provisions of the applicable codes and standards. This reminder list should be used only by persons with a comprehensive knowledge of the applicable codes and standards.

OSHPD Policy Intent Notices and Code Application Notices.

<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>