



**PLAN CHECK CORRECTION SHEET  
FOR NFPA 14 2019**

This is intended to provide uniform application of the codes by the plan check staff and to help the public apply the codes correctly.

Section: **Mechanical Plan Check**

Plan Check/PCIS Application No.: \_\_\_\_\_ Date:

Job Address:

Applicant Name:

Address: \_\_\_\_\_ Phone:

City/State/Zip: \_\_\_\_\_ E-mail:

Plan Check Engineer: \_\_\_\_\_

Telephone: \_\_\_\_\_ E-mail: *firstname.lastname@lacity.org*

Your feedback is important; please visit our website to complete a Customer Survey at [www.ladbs.org/LADBSWeb/customer-survey.jsf](http://www.ladbs.org/LADBSWeb/customer-survey.jsf).

If you have any questions or need clarification on any plan check matters, please contact a plan check supervisor or call our Customer Hotline at (213) 482-0056.

Your plans have been examined and the issuance of a permit is withheld for the reasons set forth. The approval of plans and specifications does not permit the violation of any section of the Code, or other local ordinance or state law.

**INSTRUCTIONS:**

- Corrections with circled item numbers apply to this plan check.
- Additional corrections are at the end of the list.
- Incomplete or non-legible drawings or calculations will not be accepted.
- Incorporate all comments as marked on the checked set of plans and calculations and this correction sheet.
- For each correction indicate the sheet number and detail or note number on the plans where the corrections are made.
- **WHEN YOU HAVE COMPLIED WITH ALL CORRECTIONS, CALL OR EMAIL THE PLAN CHECK ENGINEER TO MAKE AN APPOINTMENT FOR VERIFICATION**
- **PLEASE BRING THE MARKED-UP PLANS AND THE CORRECTIONS SHEET TO THE VERIFICATION APPOINTMENT**

**SEE MARKED UP PLANS FOR CLARIFICATIONS OF CORRECTIONS.**

## **CLASS I STANDPIPES (NFPA 14 -2019)**

### **GENERAL**

1. Plans shall bear the registration or license number and signature of an architect, contractor, or engineer, registered by the State of California in the appropriate discipline (State of California Business and Professional Code Div. 3, Chap. 7, Art. 3, Sec. 6735.4; LAPC 101.5.2).
2. Indicate the job address on each page of the plan (NFPA 14 Sec. 8.1.2(2)).
3. Provide an approved modification letter to allow plans at a scale smaller than 1/8 inch per foot (LAPC 101.5.4).
4. Indicate on the plans the scope of the work to be done (LAPC 103.2.2).
5. Provide site piping plans (NFPA 14 Sec 8.1.3).
6. Provide lot subdivision. No fire protection system shall be located on any other lot than the lot which is the site of the building served by that system. (LAPC 2005.0).
7. State piping materials (NFPA 14 sect. 8.1.2 (9))
8. The riser diagram shall show pipe sizes, Fire Department connection, meter, eventual reduced pressure principle backflow device, check valves, control valves, pressure regulators, fire departments outlets, drain lines, inspector test, flow switches, pressure regulators, back flow prevention devices, and water meter. (LAPC 101.5.3; NFPA 14 Sec. 8.1.2 (10); 8.1.2 (13); 8.1.2 (16); 8.1.2 (21); 8.1.2 (24); 8.1.2 (25); 8.1.2 (26); 8.1.2 (27))

### **FDC**

9. Provide \_\_\_ 2 ½ inch fire department connections. (NFPA 14 sect. 4.8.2; 7.12.1; 7.12.3)
10. The Fire Department connection shall be on the address side of the building. (LABC 912.2.1)

11. Have the location of the Fire Department connection approved by the Fire Department. (LABC 912.2)
12. The Fire Department connection shall be a minimum of 4" diameter. (NFPA 13 sect.16.12.4)
13. There shall be no shut off valve in the Fire Department connection piping. (NFPA 14 sect. 6.3.6.1.1; 6.4.1)
14. A listed check valve shall be installed in each Fire Department connection. (NFPA 14 sect. 6.4.2; NFPA 13 sect.16.12.6.1)
15. The Fire Department connection shall not be connected on the suction side of a fire pump. (NFPA 14 sect. 6.4.3.1; NFPA 13 sect. 16.12.5.9)

### **LOCATION AND INSTALLATION REQUIREMENTS**

16. Provide a stand pipe for each required stairway (NFPA 14 sect. 7.4; LABC 905.4)
17. Install 2 ½" hose outlets at every intermediate landing between stories. (LABC 905.4)
18. In stairways that do not access the roof, a hose connection shall be provided on the roof. NFPA-14 sect. 7.3.2.9
19. Where the roof has a slope less than four units vertical in 12 units horizontal ( 33.3-percent slope\_, a hose connection shall be located to serve the roof or at the highest landing of an interior exit stairway with access to the roof provided in accordance with section 1011.12. LABC 905.4 (5)
20. Install control valves to allow isolation of each standpipe, without interrupting the supply to other standpipes. (NFPA 14 sect. 6.3.2)
21. Interconnect all standpipes (LABC 905.4.2; NFPA 14 sect. 7.5.1)

22. Standpipes shall be at least 4" in size. (NFPA 14 sect. 7.6.1)
23. Install a check valve and control valve at each connection from a standpipe supplying the sprinkler system (NFPA 14 sect. 6.3.5.1)
24. Provide hydraulic calculations: each standpipe shall be based on providing 250 gpm at the two hydraulically most remote hose connections on the standpipe and at the topmost outlet of each of the other standpipes, up to 1000 gpm, at the minimum residual pressure of 100 psi, while not exceeding 175 psi in any portion of the pipe. (NFPA 14 Sect. 7.8.1.2; 7.10.1.2.1)

7.8.1.2 Manual standpipe systems shall be designed to provide 100 psi at the outlet of the hydraulically most 2 ½" hose connection valve with the calculations terminating at the fire department connection.

7.10.1.2 Hydraulic calculations and pipe sizes for each standpipe shall be based on providing 250 gpm at the two hydraulically most remote hose connections on the standpipe and at the connection point of each of the other standpipes at the minimum residual pressure required by section 7.8.