

City of Montebello Fire Department Community Risk Reduction Division

Fire Department Notes – Fire Sprinkler Installation – NFPA 13 (2016)

1. Sprinkler plans shall be approved prior to the commencement of any work. A set of approved plans shall be maintained at all times at the construction site.
2. This automatic fire protection system shall be designed, fabricated, and installed in accordance with NFPA 13 and any applicable City of Montebello ordinance.
3. All materials used in this installation shall be listed by a nationally recognized testing laboratory for service in a fire protection system.
4. Only new listed fire sprinklers shall be installed in the fire sprinkler system.
5. Penetrations of rated corridors, walls and assemblies shall be protected and sealed in accordance with the current adopted versions of the California Fire code and the California Building code.
6. A stock of spare fire sprinklers of each style, type and temperature rating along with a sprinkler wrench shall be placed in a spare sprinkler box mounted at the main system riser or other approved location.
7. All valves connected the fire sprinkler system shall have a permanently affixed sign indicating function, area and building protected.
8. All underground mains and lead in connections shall be flushed in accordance with NFPA 13 and NFPA 24 prior to connection to the overhead system and shall be witnessed by the City of Torrance Fire Department.
9. The installer shall perform all required acceptance tests in the presence of the city of Torrance fire department.
10. All system piping shall be hydrostatically tested at 200 psi for two hours.
11. Fire department connections (FDC) shall be installed and properly identified by signage per approved City of Torrance Fire Department specifications.
12. Double check valve detector assemblies (DCDA) shall be monitored and chained, secured by breakaway locks.
13. All existing fire department connections shall be visible, accessible, have NST female outlets, and have protective caps.
14. Automatic sprinkler systems shall be supervised by a listed/approved central, proprietary or remote supervising station or the protected premise at a constantly attended location in accordance with NFPA 72. The supervising station shall be listed as either UUFx (Central station) or UUIs (remote & proprietary) by Underwriters Laboratory, Inc. (ul) or shall comply with requirements of standard FM 3011.
15. The design of the hydraulically calculated fire sprinkler systems shall not exceed 90% of the water supply capacity.
16. Contractor's Material and Test Certificate for the underground and aboveground piping shall be furnished to the City of Montebello Fire Department prior to final approval.
17. A rough-in underground, thrust block, rough-in overhead and final inspection shall be required prior to approval of the fire protection system.
18. Where modification is made to an existing system affecting more than 20 sprinklers, the new portion shall be isolated and tested at not less than 200 psi (13.8 bar) for 2 hours.

19. Modifications that cannot be isolated, such as relocated drops, shall require testing at system working pressure.
20. Fire Protection water shall not be engineered or designed to enter into the Municipal Storm Drain or Sanitary Sewer System without an appropriate permit.
21. Contact the City of Montebello Fire Department, Community Risk Reduction Division to schedule inspection appointments at (323) 887-4507