

KENTFIELD FIRE PROTECTION DISTRICT



Developed by
Jim Galli, Battalion Chief
Approved by
Paul Smith, Fire Chief

Fire Protection Standard 200

Planning Dept. Review Comments Sheet

Date: 1-1-04

Revision: _____

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This standard is promulgated for the use of advising the Kentfield Fire Protection District or County of Marin Planning Department and thereby the Planning Commission and applicant of conditions required by the Kentfield Fire Protection District for project approval.

To: _____, Planning Dept.

From: Forrest Craig, Fire Marshal

Subject: Planning Department Item Number(s)

Requirements: Please note that the following comments are those that can be used for most projects in the protection area of the Kentfield Fire Protection District. Only those items checked are applicable to this particular project.

- 1. This project has been reviewed as the following occupancy type:
 - A-1 B-1 E-2 H-4 R-1
 - A-2 B-2 E-3 H-5 R-3
 - A-2.1 B-3 H-1 I-1
 - A-3 B-4 H-2 I-2
 - A-4 E-1 H-3 I-3

- 2. Some of the uses permitted by the zoning ordinance in the _____ zone are more hazardous from the occupancy type in 1 above from a fire and life safety standpoint and will require further review by this District and may require additional private or public fire protection features.

- 3. The required fire flow per fire prevention standard no. 500 is _____ gallons per minute.

- 4. Because the required fire flow exceeds 1500 gallons per minute, a fully supervised fire alarm system is required. See fire prevention standard no. 300 for additional information. Although it is not required, the developer is urged to consider the possible savings that can be realized through the installation of an automatic fire system which may also increase the marketability of the building.

- 5. A fully supervised automatic fire sprinkler system is required because:

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- a. The required fire flow exceeds 2,240 gallons per minute.
- b. Of Uniform Building Code requirements
- c. Of the limited access to all sides of the building

Contact the Fire Marshal for additional information

- 6. The corrected required fire flow per fire prevention standard no. 500 is _____ gallons per minute. The change from item 3 above is due to your addition of the fire protection in items 4 or 5 above.
- 7. The existing water system is capable of providing _____ gallons per minute. This estimate is based on actual flow tests conducted on _____ at hydrants located at _____ from your project.
- 8. Because the required fire flow as indicated in items 3 or 6 above exceeds the available fire flow in item 7 above, additional mitigation measures will be required to assure adequate fire protection. Contact the Fire Marshal for additional information.
- 9. The building as proposed appears to exceed Uniform Building Code area limitations. This apparent problem can either be resolved at this time or at the time of building plan review.
- 10. The building as proposed appears to have exiting problems. These problems can either be resolved at this time or at the time of building plan review.
- 11. Additional fire hydrant(s) is/are required. _____ is/are to be in the street right of way and _____ required onsite as shown on the Fire District copy of your plans. All fire hydrants to have "blue dot" highway reflector installed on the adjacent street or driveway to clearly identify the fire hydrant location.
- 12. If combustible building materials are used (including framing) the water supply (including mains and hydrants) shall be designed, installed, tested and approved by the Water district and/or Fire District prior to the stockpiling of large quantities of or the installation of any of the combustible building materials. Water supply systems for staged construction shall provide required fire flows at all stages.
- 13. An automatic fire extinguishing system is required for the protection of all hood, duct, plenum, and cooking surfaces. This system must comply with the Fire

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Marshal ???????

- 14. It is highly recommended that any computer room be provided with a halon fixed fire extinguishing system.
- 15. Plans for any fire protection system as listed in items 4, 5, 13 or 14 above shall be submitted to and reviewed by the Fire Marshal prior to installation.
- 16. Hand portable fire extinguishers are required to be installed prior to occupancy. For further information, contact the Fire Marshal.
- 17. Single-station smoke detectors are required per Uniform Building Code and National Fire Protection Association Standards.
- 18. Every sleeping room below the fourth story shall have at least one exterior opening for rescue purposes. The opening shall be a minimum of 5.7 square feet and 20" wide by 24" high. The finished sill height of the opening shall be no higher than 44" from the floor. Ladder access shall be provided for buildings over the first floor.
- 19. The site plan, as drawn, does not allow for adequate or proper ingress to the project for the following reasons:
 - A. Excessive dead-end length
 - B. Excessive grade for fire apparatus
 - C. Inadequate turning radius
 - D. Inadequate width of roadway
 - E. Inadequate roadway base for all weather driving surface for fire apparatus

For further information, contact the Fire Marshal

- 20. "No Parking/Fire Lane" signs are required to be installed along interior access roadways in locations where vehicle parking would encroach on a 20' clear width of roadway. Locations are shown on the Fire District copy of your plans. For further information, contact the Fire Marshal.
- 21. If combustible building materials are used (including framing) all required access roadways shall be completed to a minimum 20' width capable of supporting (in all

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weather) the imposed loads of fire apparatus to within 150' of all stockpiles and all sides of buildings with combustible construction. Said access roadways to be posted "No Parking/Fire Lanes" and shall not be used for storage of materials.

- 22. Due to limited width of on-site drive areas, it is required that no landscaping (trees or high growing shrubs) shall be closer than 6' from any of the required access drives. This requirement shall be put in the covenants, conditions, and restrictions associated with this development.
- 23. If security gates are desired at any entrances to the project, they shall be provided with a Fire District approved entry system. For further information, see Fire Prevention Standard No. 202.
- 24. A key box as approved by the Fire District is required for this project. For further information, see Fire Prevention Standard No. 202.
- 25. Approved numbers or addresses shall be placed on all buildings in such a position as to be clearly visible and legible from the street associated with the numbers. For further information, contact the Fire Marshal.
- 26. Large trash receptacles, commonly known as dumpsters, that are placed adjacent to structures or in areas with heavy accumulations of vegetation extending over the top shall be protected by at least one automatic fire sprinkler head. If the building is not equipped with a fire sprinkler system the dumpster head may be supplied by the domestic water system.
- 27. All meetings and inspections require a minimum 24 hour advance request.
- 28.

~~Forrest Craig, Fire Marshal~~