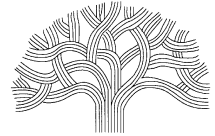


CITY OF OAKLAND



OAKLAND FIRE DEPARTMENT
FIRE PREVENTION BUREAU
250 Frank H. Ogawa Plaza • Suite 3341 • Oakland, California 94612-2033

Date: 5/11/2020

(510) 238-3854
FAX (510) 238-6739
TDD (510) 238- 3254

DTRAC CHECKLIST

This is a checklist for Oakland Fire Department (OFD) DTRAC

General

1. Local amendments to CFC may be found at Ch. 15.12
https://library.municode.com/ca/oakland/codes/code_of_ordinances
2. These requirements are based on the 2019 California Fire Code. OFD reserves the right to enforce provisions effective at the time an application for building permit per CBC 1.1.9
3. Design shall comply with all CFC and CBC with Oakland Amendments

Fire Department Access

4. Minimum 75,000 pounds' fire apparatus load is accommodated
5. At least one of the required access routes meeting this condition shall be located within a minimum of 15 feet (4572 mm) and a maximum of 30 feet (9144 mm) from the building, and shall be positioned parallel to one entire side of the building per CFC App D
6. The utility and power lines shall not obstruct aerial fire apparatus access between the roadway and the proposed buildings per CFC D105. Undergrounding of utilities and power lines is an acceptable means to meet this condition.
7. Maximum Fire Access grade is 10% per CFC App D 103.2; in the WUI, 18% max grade with 150 ft max length is allowed with alternate material and methods request; see Oakland App D Figures for more info
8. Fire apparatus access roads shall have an unobstructed vertical clearance of not less than 13 feet 6 inches (4115 mm) per CFC 503.2.1
9. Dead ends longer than 150' require a turnaround with diameter of 100ft (70ft in WUI) or approved turnaround per CFC App D 105 Figures
10. Dead end roads are 600ft max
11. One 8'x30' turnout is provided on dead end roads greater than 150 ft per CFC App D per Oakland Amendments
12. Single gates are 20ft and gates on divided roadway are 12ft wide per CFC App D 103.5

Fire Access Width

13. All street frontages shall have a minimum 20 ft clear road width for fire apparatus access road the CFC Appendix D as amended by City Ordinance and CFC 503.2.1. In the event of Public Works Agency road

design standard is more restrictive, the more restrictive provision/standard shall prevail. In the event of conflicts, the minimum road width shall not be less than 20 feet clear. (Each side of parking is considered to reduce the street clear by 8ft) See #14, 15, 16, 17 for more information

14. 26ft clear width for 20ft on each side of hydrants per CFC App D Fig D103.1
15. 26ft clear at buildings over 30 ft. to the eave of a pitched roof, the intersection of the roof to the exterior wall, or the top of parapet walls, whichever is greater per CFC App D D105.1
16. One or more of the required aerial access routes shall be located not less than 15 feet (4572 mm) and not greater than 30 feet (9144 mm) from the building, and shall be positioned parallel to one entire side of the building. The side of the building on which the aerial fire apparatus access road is positioned shall be approved by the fire code official. Ref: CFC Appendix D
17. Applicant to submit AMMR if the existing clear road width does not meet the required minimum clear road width.

Number of Fire Access Roads

18. Buildings or facilities exceeding 30 feet (9144 mm) or three stories in height shall have not fewer than two means of fire apparatus access for each structure Ref: CFC Appendix D
19. Two separate access road required if buildings have area greater than 62,000 sq ft or 124,000 sq ft if sprinklered Ref: CFC Appendix D
20. Developments of one- or two-family dwellings where the number of dwelling units exceeds 30 shall be provided with two separate and approved fire apparatus access roads. Ref: CFC Appendix D
21. Where there are more than 30 dwelling units on a single public or private fire apparatus access road and all dwelling units are equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1, 903.3.1.2 or 903.3.1.3 of the California Fire Code, access from two directions shall not be required. Ref: CFC Appendix D
22. The number of dwelling units on a single fire apparatus access road shall not be increased unless fire apparatus access roads will connect with future development, as determined by the fire code official. Ref: CFC Appendix D
23. If two access roads are required, they shall be placed a distance apart equal to not less than one half of the length of the maximum overall diagonal dimension of the lot or area to be served, measured in a straight line between accesses. Ref: CFC Appendix D

Water Supply

24. Fire hydrants shall be provided along all fire department access roads with a maximum travel distance of 150 (250 for residential) feet to the buildings, or 300 (500 for residential) feet hydrant to hydrant as required in 2019 CFC Appendix C and City Ordinance amended CFC 507.5.1.
25. Fire hydrants located on a public or private street, or on-site, shall have an unobstructed clearance of not less than 30 feet (9,144 mm), with 15 feet (4,572 mm) on either side of the hydrant in accordance with California Vehicle Code (CVC) §22514. Hydrants must be visible and accessible to the fire crew.
26. Provide 2-1/2 inches Fire Department Connections at street frontage of each proposed building on site. When the fire department connection is located within 10 feet of the corner of a building adjacent to the fire department access, the fire department connection shall service both streets. Ref.: City Ord. amendment to CFC Chapter 80 adoption 2016 NFPA 13 Section 8.17.2.4.6.
27. Fire Department Connections attached to building walls and/or ground-supported FDC's shall be within 100 feet of existing or new hydrants on building with standpipes. Ref.: 2016 NFPA 14.

Other features

28. Provide fire command center (FCC) per CFC 508.1 as required for high rises or mid-rises per Oakland Amendments. FCC shall be located at the main entrance lobby. The main entrance, stairs, and elevator lobby shall be visible from the FCC. *High rises and all buildings four (4) or more stories in height with 45,000 square feet or more total building area*
29. Provide rescue openings and access to rescue openings per CFC 504.1 and 1030
30. Clearance and means for manual ladder deployment shall be provided per NFPA 1932