
Section 17. NFPA 1/Fire Department Standards

NFPA 1/Fire Department Standards

The proposed building will be sprinkled in accordance with NFPA guidelines. Furthermore, the site has been designed to meet the requirements of NFPA 1, Chapter 18 more specifically:

Section 18.2 Fire Department Access

The site provides a minimum of 20' wide of clear paved accessed access to entire developed portion of the property with most of the accesses being 24' wide including the main access road. T-turnarounds have been provided at the parking area access off the main access road and the delivery area/dumpster area to the rear of the building. With radii of 30' and 35', these locations provide ample room for maneuvers of the City's fire fighting apparatus.

The porte-cochere at the entrance to the building will provide clear vertical clearance in excess of 13' 6".

Section 18.3 Water Supplies

The project will connect to the existing 12" water main on Ocean Avenue and extend an 8" main to the building for fire protection and domestic flows. Because of the height differential of the site and the exiting capacity of the 12" water main, a booster pump system will be constructed at the project's to provide the necessary flows/pressures during the higher flows necessary for fire protection.

Section 18.4 Fire Flow Requirements for Buildings

The proposed booster pump system will provide 1,900 gpm at adequate pressure which equates to the required fire flow for a sprinkled, IBC Type V-A building construction and the peak domestic flow for the project.

Section 18.5 Fire Hydrants

A fire hydrant is provided off the northeast corner of building along the front access road. A fire department connection will be provided within 50' of the fire hydrant as shown on the proposed Utility Plan.