



FIRE PREVENTION MANUAL

EXTINGUISHING SYSTEMS

405.032 GROUP S-2 PARKING GARAGE HOSE CONNECTIONS

EFFECTIVE: JULY 2008

SCOPE

This policy clarifies the Fresno Fire Department (FFD or Department) requirements for the installation of hose connections for Group S-2 Parking Garages within the City of Fresno and contract service areas. These requirements apply to both required and voluntary systems.

PURPOSE

This policy has been established to provide direction for the requirements regarding the installation of hose connections in Group S-2 Parking Garages

BACKGROUND

As noted in the *California Fire Code (CFC)*, the fire code official has the authority to formulate policies they deem necessary based upon local conditions related to hose connection installations.

All S-2 parking structures in excess of 5,000 square feet in area require a fire sprinkler system by local ordinance. The exit access travel distance allowed in an S-2 parking structure can be up to 400 feet to a stairway. A car fire on the top level open parking deck could require the laying of multiple hose bundles to reach the fire from the ground floor or a stairway standpipe outlet and significantly delay fire suppression activity.

REQUIREMENTS

Based upon the need for uniformity in application across the Department's diverse service delivery area, and after careful deliberation, the Department has determined the following:

One and one-half (1½) inch wet standpipe outlets are required to be installed so that all portions of the roof parking area are within 130 feet of a standpipe outlet. The outlets must be located where they will be readily accessible, not blocked by

parked vehicles, and protected from vehicular damage as needed. These outlets may be supplied directly from the fire sprinkler lines or mains on the lower level.

REFERENCES

California Fire Code