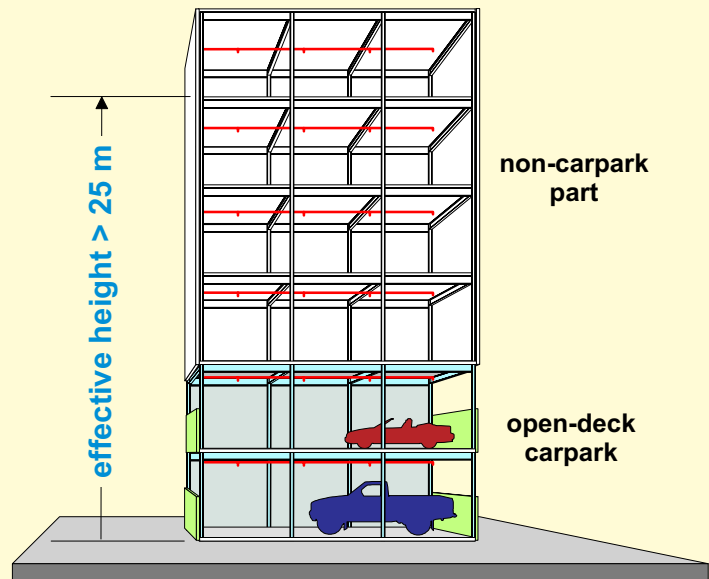


# When are Sprinklers Required?

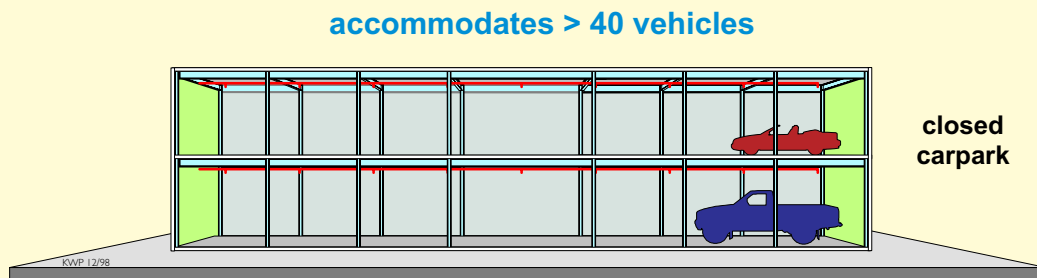
## OPEN-DECK

When an open-deck carpark is constructed within a *multiclassified* building, the BCA requires the building to be sprinklered if its effective height is more than 25 m (BCA Table E1.5).



## CLOSED

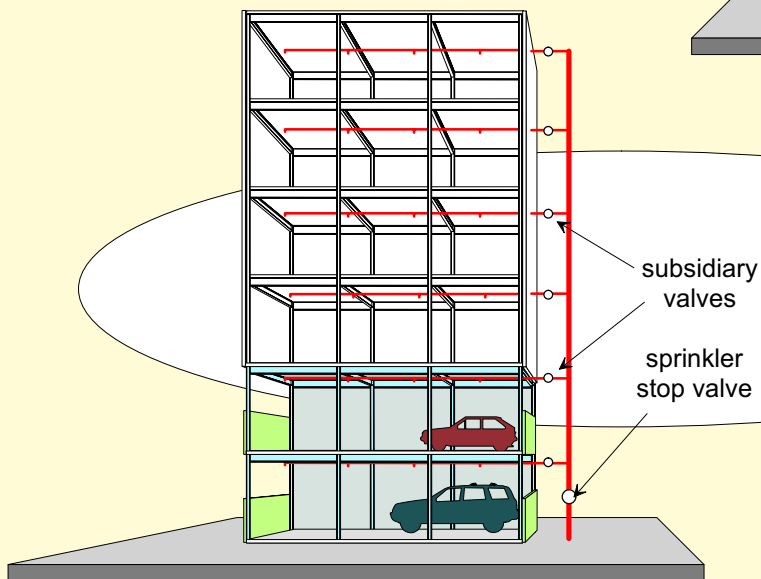
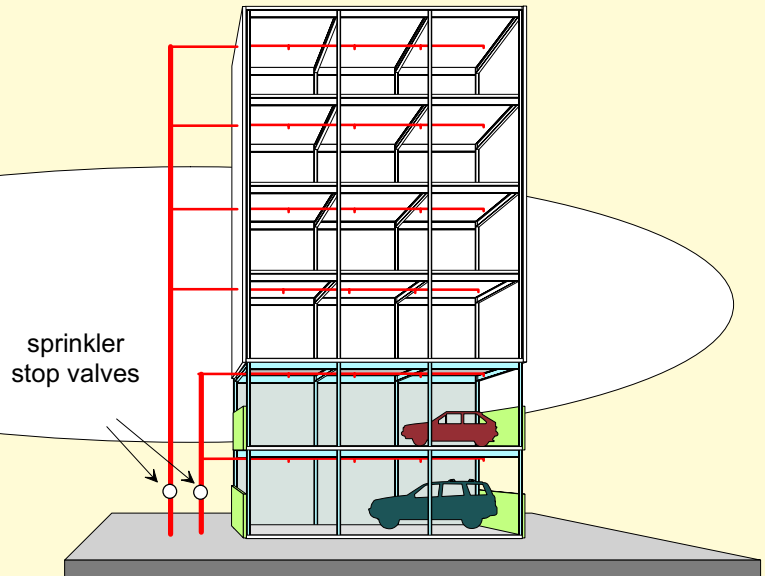
The BCA requires a closed carpark to be sprinklered if its effective height is more than 25 m; or if it accommodates more than 40 vehicles (BCA Table E1.5).



# Sprinkler Requirements

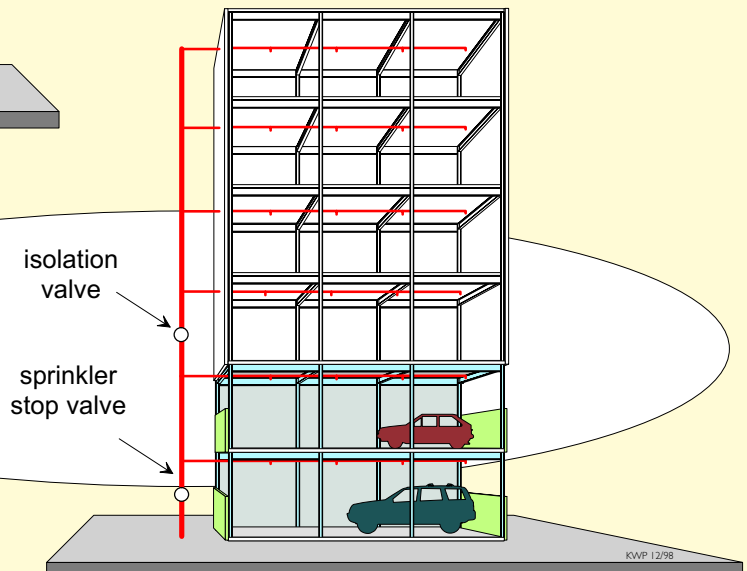
The sprinklers must be installed in accordance with AS2118.1—1999 [4]. In buildings of Type A construction, the BCA requires the sprinkler system to be designed such that the non-carpark part of the building can be isolated separately to the carpark part of the building (BCA Specification E1.5, Clause 11). There are several ways of achieving this and these are shown schematically below.

*Alternative 1*



*Alternative 2*

*Alternative 3*



# ECONOMICAL CARPARKS

## A Guide to Fire Safety





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