

CHANGE TYPE: Modification

CHANGE SUMMARY: For enclosed parking garages, the ventilation system must operate continuously or must be automatically controlled for intermittent operation utilizing both carbon monoxide and nitrogen dioxide detectors. The option to detect vehicle operation or occupant presence has been deleted.

2015 CODE: **404.1 Enclosed Parking Garages.** *Where mechanical ventilation systems for enclosed parking garages shall be permitted to operate intermittently, such operation shall be automatic in accordance with Item 1, Item 2 or both, by means of carbon monoxide detectors applied in conjunction with nitrogen dioxide detectors. Such detectors shall be installed in accordance with their manufacturers' recommendations.*

- ~~1. The system shall be arranged to operate automatically upon detection of vehicle operation or the presence of occupants by approved automatic detection devices.~~
- ~~2. The system shall be arranged to operate automatically by means of carbon monoxide detectors applied in conjunction with nitrogen dioxide detectors. Such detectors shall be installed in accordance with their manufacturers' recommendations.~~

CHANGE SIGNIFICANCE: Option 2 in the 2012 code is now the only option because the previous option 1 would cause the ventilation system to operate needlessly whenever a vehicle or person moved within the garage, even though the NO₂ and CO levels were safe. Also, idling vehicles could raise contaminant levels while being undetected by motion sensors.

404.1

Intermittent Operation of Mechanical Ventilation Systems for Enclosed Parking Garages

