



This bulletin is being provided to ensure clarity and consistency around when and where protection is required on fire sprinkler heads.

The NFPA standards that identify the criteria for the installation of sprinklers NFPA 13, 13R & 13D do not provide for or address the protection of sprinkler heads in all situations. The standards are more concerned with the blockage of sprinkler spray patterns than head activation due to unintentional contact. Based on the potential property damage due to a sprinkler head being activated based on incidental contact the City feels it appropriate to install additional safe guards to minimize – as much as practical – the potential for this to occur.

As this is the case the following criteria will be required and applied to the installation of all sprinkler heads installed within Maple Ridge;

1. Good industry practice requires sprinkler heads located closer than 2.1m to the floor be protected with cages or be of the recessed type to prevent unintentional activation.
2. All sprinkler heads located within the “**Area of Protection**” are required to be fitted with safety cages designed for this use or are to be of the concealed variety.
3. All sprinkler heads located over shelving are required to be fitted with safety cages designed for this use or are to be of the concealed variety regardless of their height above the shelf.
4. The installation of safety cages will be verified by the sprinkler inspector at time of final inspection for the sprinkler system.
5. Should shelving not be installed at the time of final inspection for the sprinkler system this information is to be indicated on the sprinkler inspector’s inspection report and will constitute a failure of the final inspection. A re-inspection will be required by sprinkler inspector prior to building permit final inspections to ensure the sprinkler installation complies with the regulation.

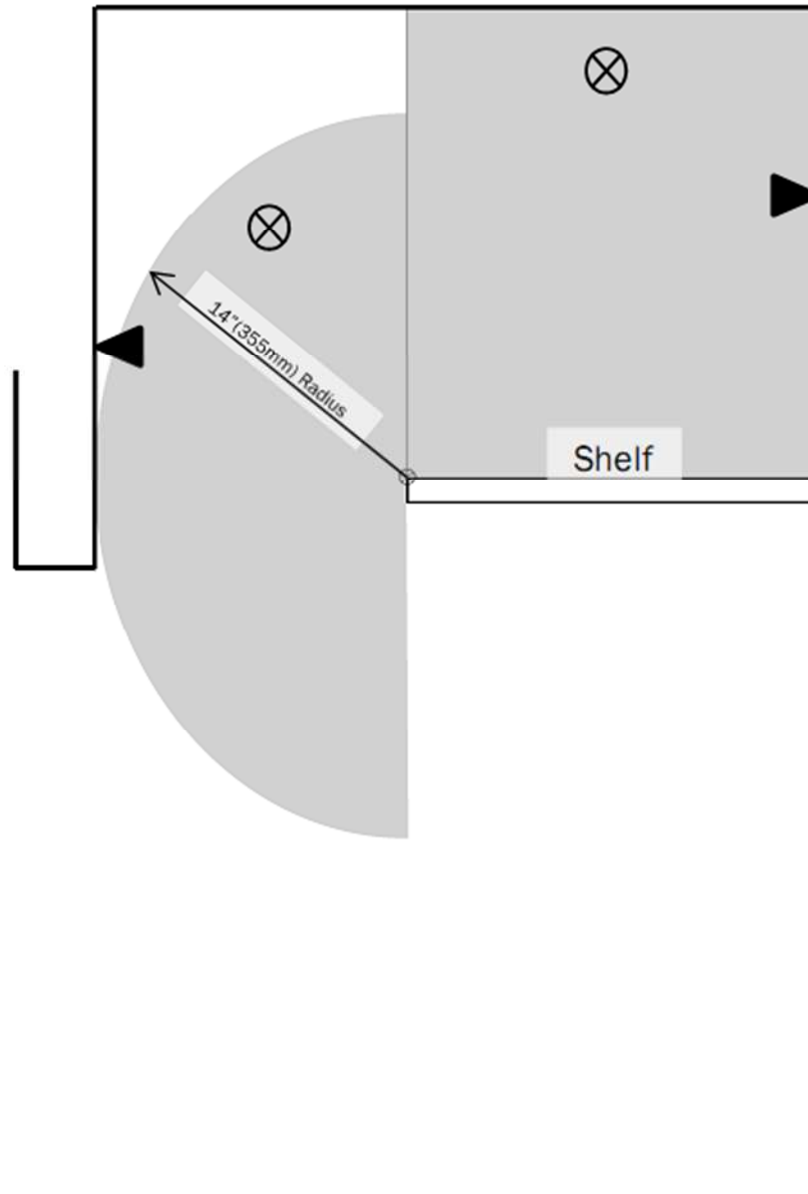
Definition:

Area of Protection means the area within the arc of a line with a radius of 355mm (14”) measured from the outer edge of the uppermost shelves located within closets and storage areas (see graphic below).

"This information is provided for convenience only and is not a substitution of applicable City Bylaws, Provincial or Federal Codes or Laws. You must satisfy yourself that any existing or proposed construction or other works complies with such Bylaws, Codes or other laws."

Area of Protection:

Shaded area



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