



QUICK RESPONSE

Saving life and property through effective licensing, plan review, and inspection of fire protection systems.

November 2012

HORIZONTAL SIDEWALL SPRINKLER IN LINTELS AND SOFFITS

Horizontal sidewall sprinklers installed in a lintel or soffit shall be installed where the distance from the bottom of the lintel or soffit is within 4-inches (**Exhibit 1**).

When installed under a lintel or soffit, both the minimum distance from the bottom of the lintel or soffit to the sprinkler deflector **and** the maximum distance from the upper ceiling to the sprinkler deflector shall be maintained (**Exhibit 2**).

As pictured in **Exhibit 3**, where soffits used for the installation of **horizontal sidewall sprinklers** exceed 8-inches in depth or projection from the wall, additional sprinklers shall be installed below the soffit. Evaluation of a **horizontal sidewall sprinkler** includes its ability to project water to the back wall area of a soffit and wall. This ability decreases as the depth of the soffit increases. The 8-inch maximum soffit is viewed as the maximum practical depth.

When **horizontal sidewall sprinklers** are installed in a back-to-back configuration (**Exhibit 4**), additional sprinklers are not required below the soffit when the width of the soffit does not exceed 16-inches.

