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*(Revised)*

## SPRINKLER EXEMPTIONS

(One and Two Family Dwellings & Row Housing Projects)

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This bulletin is intended to clarify the intent of Sentence 3.2.5.13.(6) of Division B of the Vancouver Building By-Law with respect to one and two family dwellings and row housing projects conforming to Clauses 3.2.5.13.(3)(a) to (e). Sentence 3.2.5.13.(6) requires automatic sprinkler protection to be provided in all rooms or closets located in the storey immediately below a roof assembly regardless of permitted exemptions provided in the NFPA standards referenced in Sentences 3.2.5.13.(1), (2) and (3).

Sentence 3.2.5.13.(3) of the Vancouver Building By-Law permits the use of NFPA 13D, "Standard for the Installation of Sprinkler systems in One and Two Family Dwellings and Mobile Homes," (2002 Edition) for the design, construction, installation and testing of an automatic sprinkler system installed in residential buildings containing not more than 2 dwelling units or row housing conforming to Clauses 3.2.5.13.(3)(a) to (e).

Section 4-6 of NFPA 13D, "Standard for the Installation of Sprinkler systems in One and Two Family Dwellings and Mobile Homes," does not require sprinklers in bathrooms and closets which meet the dimension requirements outlined in Section 4-6.

The National Research Council has confirmed that the objective of Sentence 3.2.5.13.(6) is to maintain full sprinkler coverage below a roof for which the fire-resistance rating has been waived due to the presence of sprinklers. Therefore, sprinklers may be eliminated from the closets and bathrooms of one and two family dwellings and row housing projects conforming to Clauses 3.2.5.13.(3) (a) to (e) where the bathroom and/or closet is located below a roof assembly which is not required to provide a fire-resistance rating.

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