This policy is promulgated in accordance with Section 104.1 of the 2015 International Fire Code and is an official interpretation of Section 8.15.7 of the 2013 edition of NFPA 13 and Section 903.3.1.2.1 of the 2015 International Fire Code.

**The following shall apply to sprinkler coverage underneath exterior roofs, canopies, & porte-cochères:**

Section 8.15.7 of the 2013 edition of NFPA 13 allows for the omission of sprinklers under non-combustible or limited combustible, but requires sprinklers to be present if combustible materials are stored or handled. It is the opinion of the Fire Marshal that the presence of combustibles underneath these structures is inevitable. Additionally, the 903.3.1.2.1 of the 2015 IFC requires sprinklers to be provided for exterior balconies, decks, and ground floor patios of dwelling units where the building is of Type V construction. It is the opinion of the Fire Marshal that a properly located sidewall sprinkler, underneath a horizontal projection, will provide the exterior wall with protection even if the sprinkler would be activated through radiant heating. The following is the Des Moines Fire Prevention Bureau’s policy on when sprinklers shall be provided underneath exterior roofs, canopies, and porte-cochères as well as exterior balconies, decks, and ground floor patios:

1.) Due to the difficulty in enforcing combustible storage requirements under unsprinklered exterior roofs, canopies, and porte-cochères; sprinklers SHALL be required underneath ALL exterior roofs, canopies, and porte-cochères that are larger than 4’ in both dimensions, regardless of construction type.

2.) In addition to sprinklers being provided for all exterior roofs, canopies, and porte-cochères larger than 4’x4’, sprinklers SHALL be required for ALL exterior balconies, decks, and ground floor patios of dwelling units where the building is of Type V construction and an overhead horizontal projection exists. This requirement does NOT apply to NFPA 13D systems.

3.) Fabric canopies and canopies constructed a minimum of 4’ from a sprinklered building shall not be required to adhere to this policy. However, compliance with the building and fire codes is required.

Any comments or questions regarding the above information may be submitted to:

Office of the Fire Protection Engineer  
City of Des Moines Fire Department  
Fire Prevention Bureau  
2715 Dean Avenue  
Des Moines, Iowa 50317  
Office: (515) 237-1316  
Fax: (515) 283-4907  
Email: firedept@dmgov.org