

From: Mike Matthy <fireinspector@NewLondon.NH.gov>

Sent: Wednesday, March 17, 2021 4:29 PM

To: Adam Ricker <planning@nl-nh.com>

Cc: Jason Lyon <nlfd@tds.net>

Subject: Peter Christian's Pavillion

Adam,

Here is the requirement from NFPA 13, 2013 ed. Standard for the Installation of Fire Sprinkler Systems :

8.15.7 * Exterior Projections.

8.15.7.1

Unless the requirements of [8.15.7.2](#), [8.15.7.3](#), or [8.15.7.4](#) are met, sprinklers shall be installed under exterior projections exceeding 4 ft (1.2 m) in width.

8.15.7.2 *

Sprinklers shall be permitted to be omitted where the exterior projections are constructed with materials that are noncombustible, limited-combustible, or fire retardant-treated wood as defined in [NFPA 703](#).

8.15.7.3

Sprinklers shall be permitted to be omitted from below the exterior projections of combustible construction, provided the exposed finish material on the exterior projections are noncombustible, limited-combustible, or fire retardant-treated wood as defined in [NFPA 703](#), and the exterior projections contain only sprinklered concealed spaces or any of the following unsprinklered combustible concealed spaces:

1. (1)

Combustible concealed spaces filled entirely with noncombustible insulation

2. (2)

Light or ordinary hazard occupancies where noncombustible or limited-combustible ceilings are directly attached to the bottom of solid wood joists so as to create enclosed joist spaces 160 ft³ (4.5 m³) or less in volume, including space below insulation that is laid directly on top or within the ceiling joists in an otherwise sprinklered attic [see [11.2.3.1.4\(4\)\(d\)](#)]

3. (3)

Concealed spaces over isolated small exterior projections not exceeding 55 ft² (5.1 m²) in area

8.15.7.4

Sprinklers shall be permitted to be omitted from exterior exit corridors when the exterior walls of the corridor are at least 50 percent open and when the corridor is entirely of noncombustible construction.

Based on these requirements, the options would be 1) non-combustible or limited combustible construction, 2) Install a sidewall fire sprinkler head in the connector, (the State Fire Marshal's Office would be using the IBC which requires protection for all fire areas), or 3) do not use a connector. The simplest method would be to not use the connector and the separation distance from the main building would be sufficient.

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