Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 10/25/17

Elk's Lodge

(2017 Renovation and New Storage Addition)

1945 Congress Street
Portland, Me. 04102

Re: Fire Sprinkler System Work Description Date: 8/10/2017

This existing 12,400 Sq Ft Elk's lodge in Portland Maine has an existing wet pipe schedule fire sprinkler system throughout the building. We will be reworking this system to meet the new wall and ceiling layout as well as replacing the existing pendent sprinklers with new concealed pendent sprinklers. There will be a new 10'-0" x 76'-0" (760 Sq Ft) addition built on the backside of the building for storage space, walk-in cooler & freezer, liquor storage and electrical room. We will install a new line of sprinklers to protect these spaces, using dry type sidewall sprinklers to protect both the cooler and freezer. The new line will be sized based on ordinary hazard group I pipe schedule method and will connect to an existing line of proper size.

This project will be completed in two phases. The first phase will be a total of (48) existing sprinklers to be relocated with new concealed type sprinklers and (4) new concealed sprinklers added to protect spaces created by new walls. The second phase will be a total of (33) existing sprinklers to be relocated with new concealed type sprinklers, (10) new sprinklers added for the new storage addition in the back of the building, including the dry sidewalls, and (2) new concealed sprinklers added to protect spaces created by new walls.

Extra Notes:
The existing building is a steel beam and purlin structure.
The existing fire sprinkler valve riser is a 4" wet alarm valve (1968).
Static water pressure= 85 psi, Residual water pressure= 75 psi.

Residential Fire Protection