

Sprinkler Systems, Inc.

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Maine State Fire Marshal's Office

Attn: Gerald Leach

10-11-2013

Re: Bath Fitter Fit-up

Pine Tree Shopping Center

1064 Brighton Avenue

Portland, Maine

Gerald,

I recently visited the Bath Fitter Fit-up, Pine Tree Shopping Center, 1064 Brighton Avenue, Portland, Maine. Originally this section of the building where the owner plans to do their renovations was part of a former retail space tenant, which was predominantly an Ordinary Hazard Group 2 Occupancy. This area is protected by a wet, hydraulically calculated (existing), tree sprinkler system consisting of feed mains ranging in size from 3" to 4", feeding branch lines 2" and smaller. There will be 40 existing sprinklers relocated to meet new ceiling and partition layouts. This system is fed by city water. Sprinkler heads will be a combination of new Quick Response Pendants and Uprights. This new area that is being created will be mercantile retail space, which will be rated at Ordinary Hazard Group 2 Occupancy.

Basically, we are going to demo 16 arm-overs currently in the space in the front retail area and replace them with new arm-overs fitting the new ceiling layout, changing the sprinklers to new 155 Degree 1/2" x 1/2" Quick Response Recessed White Pendants. In the back storage area, we will be replacing 10 existing uprights with new 200 Degree 1/2" x 1/2" Quick Response Brass Uprights, and we will be turning 14 existing 1" outlets up and installing new 200 Degree 1/2" x 1/2" Quick Response Brass Uprights on new 1" x 1'-6" sprigs. The existing piping layout will remain intact. The only changes being made are sprinkler head locations, which will require installing armovers and sprig-ups. Please feel free to contact me with any questions. Thank you.

Sincerely,

Scott E. Garland, SET, RMS
System Designer