

Sprinkler Systems, Inc.

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Maine State Fire Marshal's Office

Attn: Gerald Leach

4-16-2014

Re: Burns & McDonnell

2nd Floor Fit-up

27 Pearl Street

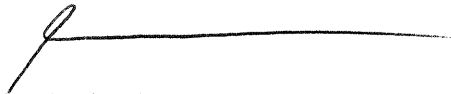
Portland, Maine

Gerald,

I recently visited the Burns & McDonnell Project, 2nd Floor Fit-up, 27 Pearl Street, Portland, Maine. Originally this floor of the building where the owner plans to do their renovations was part of another office space tenant, which was predominantly a Light Hazard Occupancy. This area is protected by a wet, hydraulically calculated (existing), tree sprinkler system consisting of feed mains ranging in size from 2" to 3", feeding branch lines 2" and smaller. This system is fed by a city water supply. Phase 1 consists of converting 39 existing pendants to new 155 Degree, quick-response uprights on new 1" x 2'-0" sprig-ups in an area where the existing suspended tile ceiling will be removed, exposing the open steel bar joists with a concrete deck above. Phase 2 consists of relocating 46 existing pendant sprinklers to meet new ceiling and partition layouts. Sprinkler heads will be new, 155 Degree, quick-response concealed pendants below the new ceilings. This new area that is being created will be office space, which will be rated at Light Hazard Occupancy.

Basically, we are going to turn-up the existing branch lines in areas without suspended ceilings and demo the arm-overs currently in the space with a suspended tile ceiling and replace them with new arm-overs fitting the new ceiling layout. The existing piping layout will remain intact. The only changes being made are sprinkler head locations, which will require installing new sprig-ups or new armovers. Please feel free to contact me with any questions. Thank you.

Sincerely,



Scott E. Garland, SET, RMS
System Designer