Approved for Historic Preservation
Certificate of Appropriateness
Date: 06/23/14

Department

colm, Eastern Fire Services

Re: 31 Exchange/46 Market Fire Alarm Scope of Work

The property at 31 Exchange/46 Market is a three story mixed occupancy structure with both commercial and residential spaces. The property is unique in that the second & third floors of the Market st building share a means of egress with 31 Exchange. The new fire alarm system is a performance based design in accordance with the independent code review and life safety evaluation by Fire Risk Management dated 12/11/2013. (see attached)

Both 31 Exchange & 46 Market are equipped with a fully automatic fire sprinkler system. Installation of a new fire alarm system will include a new flow and tamper switch on the sprinkler riser to accommodate monitor points on the fire alarm system for supervision. Other means of initiation are manual means and smoke detection in the second and third floor common corridors per recommendations in the fire protection study.

The new fire alarm system also adds notification throughout all commercial tenant and residential spaces in each building. Residential units are equipped with mini horns that will sound upon any alarm and are placed within the unit at locations intended to achieve the requirement of 75 dB at the pillow. All commercial space is equipped with horns & strobes per NFPA 72. The unoccupied space in the basement and 1st floor of Market St is open as shown on the floor plans and one horn/strobe shall be installed on each level with the intention of expanding upon further renovations. The second floor on the Exchange St side is currently rented by various commercial tenants conducting individual practices. Where each tenant space is a separate practice notification is to be installed throughout, both audible & visual.

Remote annunciators are placed at each main entry, one Market St & one Exchange St. The main entrance to the Market St side is through an entrance on Milk st so verification with the Portland Fire Department is requested to ensure proper response in the event of a fire. A radio master box is to be installed at this location. In the event of an alarm in either building the city box shall ring in as 31 Exchange St. Notification through the central station shall provide detailed information as to what location the alarmed device is located. Initiating devices in the basement & 1st floor of Market St shall ring in as Market St and all remaining devices shall be Exchange St. It should be noted that any sprinkler activation will result in a response to 31 Market St.

Please don't hesitate to contact us with any questions.

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