

Huei Miin Lim

From: Peik Li Pang
Sent: Thursday, September 26, 2024 5:17 PM
To: Huei Miin Lim
Subject: FW: 2408-120 4227 91ST AVE SE

This is mercerwood 4227. Just save it under deliverable first.

Peik Li Pang, AIA
Architect

5ft2

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From: Mark Jung <mjung@esf-r.org>
Sent: Thursday, September 26, 2024 5:03 PM
To: Peik Li Pang <peikli.pang@5ft2studio.com>
Subject: 2408-120 4227 91ST AVE SE

Hello,

Permit Number 2408-120
Project costs: (last 60 months) \$160,000
Valuation: \$549,871

Address 4227 91st Ave SE

A Fire Plan Review was completed (attached to your permit file and this email) for the proposed alteration/addition. The project cost, when compared to the valuation of the residence is more than 10% but less than 50% (29.10%). In this case we evaluate the proposed project for fire access, grade and water flow. Any deficiency noted within this percentage range requires a monitored household NFPA 72 fire alarm system to be installed. The following deficiencies were noted:

1. Fire flow is less than required (1,367 gpm vs. 1750)
2. Distance from all points to fire access road 186' vs. 150'

Due to these deficiencies the monitored NFPA 72 fire alarm will be required. A **sperate permit** must be obtained and the system must be installed, inspected and finaled prior to the final occupancy status. I have included the link to the Monitored Fire Alarm System Standards for your review. Please let me know if you have any questions. If you already have an installed fire alarm system, the system will need to meet current standards.

Note that this valuation is cumulative over a 60 month period of time. If you are considering a phased approach to additional projects that may exceed the 50% valuation level a fire sprinkler system will be required. Depending on your plans this may be the appropriate time to consider the installation.

AV107.3 Household Fire Alarm

System. *An approved household fire alarm system shall be installed throughout the residence in existing one-family and two-family dwellings (and townhouses) that have deficiencies in fire flow, hydrants or access. This system shall be installed in accordance with NFPA 72 Chapter 29 when undergoing a remodel or addition when the construction value of all additions, alterations or repairs performed within a sixty-month period is within 10% to 50% of the value of the residence. Value shall be determined by a method approved by the fire code official.*

https://www.mercerisland.gov/sites/default/files/fileattachments/community_planning_amp_development/page/24351/household_fire_alarm_standard_-_2022_version.pdf

PLEASE INDICATE THE INTENTION OF INSTALLING A NFPA MONITORED "CHAPTER 29" FIRE ALARM SYSTEM ON THE PLANS. This request will also be made as part of the overall building plan review.

Here are some local companies that have done work on the island (no particular order, or preference)

Fire Alarm Companies

- Audio One LLC
- Audio Plus LLC
- Definitive Audio
- Distinctive Audio and Video
- Elite Audio Video Inc
- Fire Protection Inc
- Froula Alarm systems
- Guardian Security Systems Inc
- Innovative Low Voltage LLC
- Island Security Systems Inc
- Washington Alarm Inc

Please let me know if you have any further questions... I am happy to help.

-Mark

Excellence in Service



Dedication to Community

Mark Jung, CFM (he/him) | **Assistant Fire Marshal**

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