6/1/2021

RE: 7002 78th Ave SE Mercer Island, WA 98040 (ADU20-010)

To: Jeromy Hicks,

We have decided to get “13D fire sprinkler system” for our ADU Project. I have attached original email context of our conversation below.

I received plans for your ADU and I see that the drawings call out for a NFPA 13R system and fire coating in the attic and crawlspace.  In the original review it was determined that a 13d and Monitored Fire Alarm system would be required … since this is a change I wanted to make sure that was your intent, or this may be a mistake.

If I am correct we will need you to apply for a code alternative requesting the NFPA13R and Fire Coating in place of 13d and Monitored Fire Alarm.

From my perspective, both are acceptable and provide early notification to the occupant and dispatch center.

Here are some considerations….

The 13d system is less expensive (not by much) and requires a monitored fire alarm system (NFPA 72 Household) that will have ongoing costs for monitoring, but will monitor both Fire Flow and Smoke.  The 13d sprinkler system requires a 1” meter and 1” supply line.

The 13r system is a bit more expensive but does provide a higher level of sprinkler coverage.  This system will also need to be monitored for water flow, but not smoke detection.  I an unsure of the cost of fire coating, but it will benefit you from a fire spread perspective in the attic and crawl space…  The 13r system does require a minimum of 1.5” meter and 2” supply line (if you don’t have this already it can be expensive).

Let me know which option you would like to go with.. I can assist with either process.

<https://www.mercerisland.gov/sites/default/files/fileattachments/community_planning_amp_development/page/24371/codealternateinformationsheet.pdf>

Jeromy

Regards,

Chung Youn

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