



S T U R M A N
A R C H I T E C T S

Date: April 24, 2024

To: City of Mercer Island – Fire Department

From: Kati Eitzman
Sturman Architects

Re: Asdourian Residence
5300 Butterworth Rd
Mercer Island, WA 98040
Permit # 2312-032

Subj.: FIRE CODE ALTERNATE SUBMITTAL – 1

This letter is submitted as our request for a fire code alternate based on the Fire Review completed as part of the building permit review. The project being reviewed is a new two-story single-family residence built on a concrete slab on grade, with an attached three-car garage.

The following deficiencies were noted during the Fire Review of our project:

1. Nearest Hydrant is a 2-port hydrant (500 gpm)
2. Distance from access to rear of residence exceeds 150' (195')
3. Roadway width is less than 26' (12') -CODE ALT REQUIRED
4. No Turn-Around

For these deficiencies, we propose the following fire code alternates:

1. Monitored Household Fire Alarm System, per NFPA 72, Chapter 29.
2. Upgrade to NFPA 13R sprinkler system
3. Installation of 1-hr rated gypsum in all areas
4. Provide solid core or fire rated doors

We believe the proposed is equal to or better than the code requirement.

Sincerely,
Kati Eitzman
Sturman Architects