



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

**Date:** September 10, 2025

**To:** City of Mercer Island – Fire Department

**From:** Brad Sturman  
Sturman Architects

**Re:** RKK 73<sup>rd</sup> Residence  
2434 73<sup>rd</sup> Ave. S.E.  
Mercer Island, WA 98040

**Subj.:** FIRE CODE ALTERNATE SUBMITTAL

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

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

1. Fire Flow (948 GPM) less than required (1,000 gpm) after fire sprinkler reduction (13R design required)
2. Access Road grade exceeds 10% slope
3. Access Road width is less than required
4. Distance to Hydrant along frontage

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

1. Monitored Household Fire Alarm System, per NFPA 72, Chapter 29.
2. Provide 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,  
Brad Sturman  
Sturman Architects