

Plan One  
1501 Dayton Court NE  
Renton, WA 98056

December 31, 2022

Jeromy Hicks  
Mercer Island Fire Marshall's Office  
3030 78<sup>th</sup> Avenue SE  
Mercer Island, WA 98040

RE: 2112-249  
5028 West Mercer Way

**Project Scope:**

The project is to construct a 3203 Sq. Ft. single family residence with 4 bedrooms on an undeveloped property at 5028 West Mercer Way.

**Fire Code Requirements (Per Fire Marshal):**

A NFPA13R type automatic fire sprinkler system.  
A monitored household fire alarm per NFPA72

**Fire Protection Requirements per Building and Fire Codes:**

A solid core self-closing door between the Garage and the living areas.  
A heat detector on the ceiling of the garage.  
5/8" Type X gypsum board on the ceiling of the garage below the upper level living spaces above.  
A wired smoke alarm with battery back-up in each sleeping room.  
A wired smoke alarm with battery back-up on each floor outside of the sleeping areas.  
A wired carbon monoxide alarm with battery back-up on each level of the house.

**Proposed Fire Code Alternatives:**

Solid Core Interior Doors between hallways and sleeping rooms.  
Raked concrete finish on sloping sections of the driveway.  
Exterior fire alarm

The proposed Fire Code Alternatives will bring the fire protection measures to equal or better than the Fire Code.