

L2 ENGINEERS, LLC

17848 NE 198th Place
Woodinville, WA 98072



Harvey Chen
5024 Mercer Way
Mercer Island, WA 98040

RE: Structural Response to Intake Comments

November 22, 2021

Dear Mr. Chen:

We have provided the following information in response to the City of Mercer Island Intake Comments:

- Earthquake design parameters have been verified with USGS. Earthquake loads have been calculated accordingly.
- Wind design has been performed in conformance with ASCE7-16. Please note that wind design controlled by a significant margin due to a high K_{zt} factor.
- Retaining wall calculations and construction details have been provided. The calculations can be found in the foundation section of the gravity analysis.
- Standalone shear wall key plans have not been included, because the diaphragm analysis contains grid lines that correspond to the shear wall analysis (which serve the same purpose as a key plan).

Please contact us with any additional questions or for clarification.

Sincerely,

L2 Engineers, LLC

Brian Loshbough, P.E.