



civil & structural
engineering & planning

June 21, 2022

City of Mercer Island Development Services Group
9611 SE 36th Street
Mercer Island, WA 98040

RE: Permit Application No. 2005-146
Project Name: Rudolf Residence
Project Address: 8253 W Mercer Way, Mercer Island, WA 98040

To Whom it May Concern,

This letter is in response to the building review comment on page A9 of the drawings. Our response appears in **bold**.

Comment:

Structural calculations dated 3/4/22 refer to a roof structure weighing 15 psf. Please coordinate with structural for the actual roof assembly dead load considering the photovoltaic system and any special ceiling systems.

Response:

We have coordinated with the architect regarding the roof and wall assemblies and have confirmed that they are still of equal or lesser weight than we assumed in our structural calculations. Please note that the owner has elected not to install the photovoltaic system. The wall assembly will be fiber cement board over rain screen over WRB over ½" plywood over 2x6 studs with R21 insulation with vapor retarder and ½" GWB. The roof assembly will be standing seam metal roof over 5/8" plywood with batt insulation and ½" GWB ceiling.

If you have any questions or comments regarding these responses, please do not hesitate to call.

Sincerely,
CG Engineering

A handwritten signature in blue ink that reads "Mike Maechler".

Mike Maechler, PE, SE
Associate Principal