



To: Lt.Col. and Mrs. Robert C. Cope
6079 Walnut
Fairchild Air Force Base
Washington

Re: Design of a new cabin.

24 October 1972

Dear Bob and Kathy,

This is regarding your lake cabin near Spirit Lake in Idaho, which we visited on 13 September 1972.

The following is a summary of that visit:

1. THE SITE:

- A. Steeply sloped at about 4:10 slope near the cabin, with a mixture of fir, pine and cedar tree covering. The slope and the view is southernly towards the lake.
- B. It is my understanding that the proposed septic tank will be located about 25 feet west of the cabin and about 4 feet north of the southern wall line. The drain field will be northwest of the cabin in the level area behind the stone wall. There will be a lift pump between the septic tank and the drain field.

2. THE EXISTING CABIN:

- A. The existing 19'-6" x 20'-6" light wood framed cabin should be preserved for possible usage as a guest wing.
- B. Please check the following: The Uniform Building Code limits the maximum span of 2x4 rafters at 24" on center is 5'-6" for douglas fir or larch species, snow load of 30 psf, roof slope of 4:12 or greater. Spokane uses 30 psf but Spirit Lake probably gets a little heavier snowfall, I would prefer 40 psf which limits the span to 5'-0". The span is measured from the inside edge of the support wall to the ridge board which should be a 1x6 minimum. If the roof slope is 3:12 or less, the maximum span is 4'-6", if the ridge board is designed as a beam.



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- C. Without completing a preliminary design layout, I can not advise you on the proper arrangement of your proposed bathroom location and fixturing, but my guess is that the west end of the existing porch may be suitable.

3. THE NEW CABIN:

- A. The new cabin is planned to be adjacent to the south side of the existing structure, extending to the south and the west.
- B. It is my understanding that the new cabin would contain living and dining spaces; an adjacent kitchen with a wet bar and access to a view deck; two bedrooms; a bath; a stone fireplace with heatilator between the living room and the kitchen. The heat source will be electricity.
- C. My first reaction to the design of the new areas is that the structure should be of "natural" materials indigenous to the area, colors to blend into the woodscape (brown-tones). Roof to be composition type for fire prevention, dark brown-black color. The structure may be stepped down the hillside so as to provide varied views through the trees from all parts of the cabin.

It has been my pleasure to work with you on this potentially exciting project --- I wish you the best of luck in resolving your professional/personal questions.

I have spent three hours to date on your project at \$9.00 per hour equals \$27.00 due. I will await your further directions before proceeding into the design phase. If the project continues, I would prefer a set fee based on 10% of the construction cost.

Yours truly,


Terry C. Hargrave, A.I.A.

P.S. If you know of anyone else who might need an architect I would appreciate a referral.

0-1340-000-001-0

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