

Gary A. Rogers, Architect

License # C016583

November 14, 2024



Re: 200 Hernandez Ave.
Los Gatos, CA 95030

To whom it may concern:

As the retained licensed engineer/ architect, for the property located at 200 Hernandez Ave. Los Gatos, CA, I have thoroughly reviewed the existing structure to assess its capacity to support a traditional clay, concrete, metal or composite barrel-style roof.

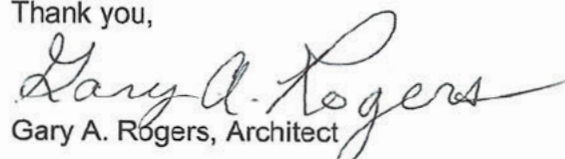
After a thorough inspection, I have concluded that the current roof framing will not be able to support the weight of a traditional clay, concrete or composite barrel-style roof. There are two primary issues that affect the feasibility of this design:

1. **Roof Pitch & Drainage:** The existing roof pitch of 3:12 presents a drainage issue when using a traditional clay, concrete, metal or composite barrel-style roof, which could result in water accumulation and potential damage over time. Proper drainage is essential to avoid water-related structural issues and deterioration.
2. **Structural Integrity:** The existing roof framing does not provide the necessary support for the weight of a traditional clay, concrete, metal or composite barrel-style roof. These materials are significantly heavier than typical roofing options and would require additional structural reinforcement.

In light of these findings; our opinion is that a standing seam metal roof is an optimal material choice for the home. This roofing is lightweight, fire resistant, durable, and can be customized to achieve the aesthetic of a barrel-style roof edge while minimizing any structural concerns. It would provide the desired visual effect while also being more compatible with the existing roof structure.

Please let me know if you have any questions or if further clarification is required. I would be happy to discuss the options in more detail or assist with any next steps.

Thank you,


Gary A. Rogers, Architect

From: [Vaishali Singh-Sood](#)
To: [Sean Mullin](#)
Subject: Additional roof info from architect
Date: Tuesday, November 19, 2024 10:02:10 AM

[EXTERNAL SENDER]

Date: November 19, 2024 at 9:41:00 AM PST
To: Vaishali Singh-Sood <[REDACTED]>
Subject: Re: Revision of letter
Reply-To: [REDACTED] >

Also, Gary wanted me to include this basic google search as well...

Does the uniform building code allow you to install barrel roofing on a 3 and 12 pitch roof?

No, according to the Uniform Building Code, a barrel roof (which typically requires a steeper pitch for proper water runoff) cannot be installed on a 3:12 pitch roof as it falls below the minimum slope required for most roofing materials, including barrel tiles, to function effectively; most building codes mandate a minimum pitch of 4:12 for barrel tile installations.

Key points to remember:

- **Minimum pitch requirement:**

Most building codes, including the UBC, specify a minimum roof pitch for barrel roofing, usually around 4:12.

- **Water runoff concerns:**

A low pitch like 3:12 may not adequately channel water away from the roof, leading to potential leaks and water damage with a barrel roof design.

- **Consult local code:**

Always check your local building codes for specific requirements regarding barrel roof installations and minimum pitch allowed.

Gary A. Rogers Inc.



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