



**DEPARTMENT OF PARKS AND RECREATION
OFFICE OF HISTORIC PRESERVATION**

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February 5, 2024

VIA Email

In reply, refer to: NASA_2023_1215_001

Mr. Jonathan Ikan
Center Cultural Resources Manager
NASA Ames Research Center
Mail Stop 213-8
Moffett Field, CA 94035

Subject: Building 10 Roof Improvement and Safety Railing Project, NASA Ames Research Center, Moffett Field, Santa Clara County, California

Dear Mr. Ikan:

The California State Historic Preservation Officer (SHPO) has received the December 14, 2023, letter initiating consultation regarding an undertaking at NASA Ames Research Center (ARC). NASA is consulting with the State Historic Preservation Officer (SHPO) to comply with Section 106 of the National Historic Preservation Act of 1966 (54 U.S.C. §306108), as amended, and its implementing regulations at 36 CFR Part 800. Along with the letter, NASA submitted a memorandum containing Section 106 analysis prepared by AECOM and dated December 8, 2023.

The proposed undertaking, as described, involves NASA improving the existing roof by removing the built-up roofing and gravel cap and installing a roofing membrane system. New folding safety railings will be installed at the parapet where the height does not meet necessary safety standards. The existing concrete parapet will be cleaned and prepared for the new roofing membrane. Existing light fixtures will be removed and reinstalled. The project proposes to install a single-ply roofing membrane. The existing built-up roofing system, including the gravel cap, will be removed in its entirety to the existing concrete deck. The existing concrete deck will be inspected and patched as necessary to provide for a smooth uniform surface. The roof hatch will be removed and replaced. Roof scuppers will be reconditioned, and the existing downspouts will be removed and replaced in kind. Mechanical vents will be removed and reinstalled. Existing pipes and venting stack locations will remain and penetration through the membrane will be resealed. The folding safety railing will be installed where the existing parapet does not meet necessary safety standards. The railing will be galvanized steel top rails and midrails with a maximum 19" gap between and the top of the railing will be installed at a uniform elevation throughout. The railing's 8.5" x 5" mounting brackets will be installed on the interior of the parapet. The existing concrete parapet is a minimalist

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Spanish Colonial Revival/Mission-style with a stepped detail at the center of each façade. Because this stepped detail meets the necessary height safety requirements, the railing will not be installed at these locations.

NASA identified an Area of Potential Effects (APE) for the undertaking that encompasses Building 10 and a 50' buffer around its building footprint to encompass any associated historic properties. No below-grade activities are proposed for this project, so consideration of archaeological resources is not included. The APE is contained in the NAS Sunnyvale Historic District and encompasses one contributor, Building 10, previously listed in the NRHP in 1994.

NASA determined that the proposed roof improvements are consistent with the Secretary of the Interior's Standards for the Treatment of Historic Properties, and the proposed project will not result in any adverse effects, including cumulative, on historic properties. Therefore, NASA proposes a Finding of No Adverse Effect for this undertaking. After reviewing the information submitted, the SHPO offers the following comments.

- This project qualifies as an undertaking with the potential to affect historic properties.
- The APE is sufficient to take direct and indirect effects of the undertaking into account.
- Identification and evaluation efforts are sufficient for this consultation.
- The SHPO has no objection to the proposed Finding of No Adverse Effect.
- Please be advised that under certain circumstances, such as unanticipated discovery or a change in project description, NASA may have additional future responsibilities for this undertaking under 36 CFR Part 800.

If there are any questions or concerns, please contact State Historian Mark Beason, at (916) 445-7047 or mark.beason@parks.ca.gov.

Sincerely,



Julianne Polanco
State Historic Preservation Officer