

**U.S. NAVAL BASE, PEARL HARBOR, CHIEF PETTY OFFICER'S  
QUARTERS**

**HABS No. HI-444**

**(U.S. Naval Base, Pearl Harbor, Naval Station Ford Island)**

**(U.S. Naval Base, Pearl Harbor, Dependent Quarters)**

**(Facility No. 90)**

**90 Belleau Wood Loop**

**Pearl Harbor**

**Honolulu County**

**Hawaii**

**PHOTOGRAPHS**

**WRITTEN HISTORICAL AND DESCRIPTIVE DATA**

**HISTORIC AMERICAN BUILDINGS SURVEY**

**National Park Service**

**Department of the Interior**

**Oakland, California**

# **HISTORIC AMERICAN BUILDINGS SURVEY**

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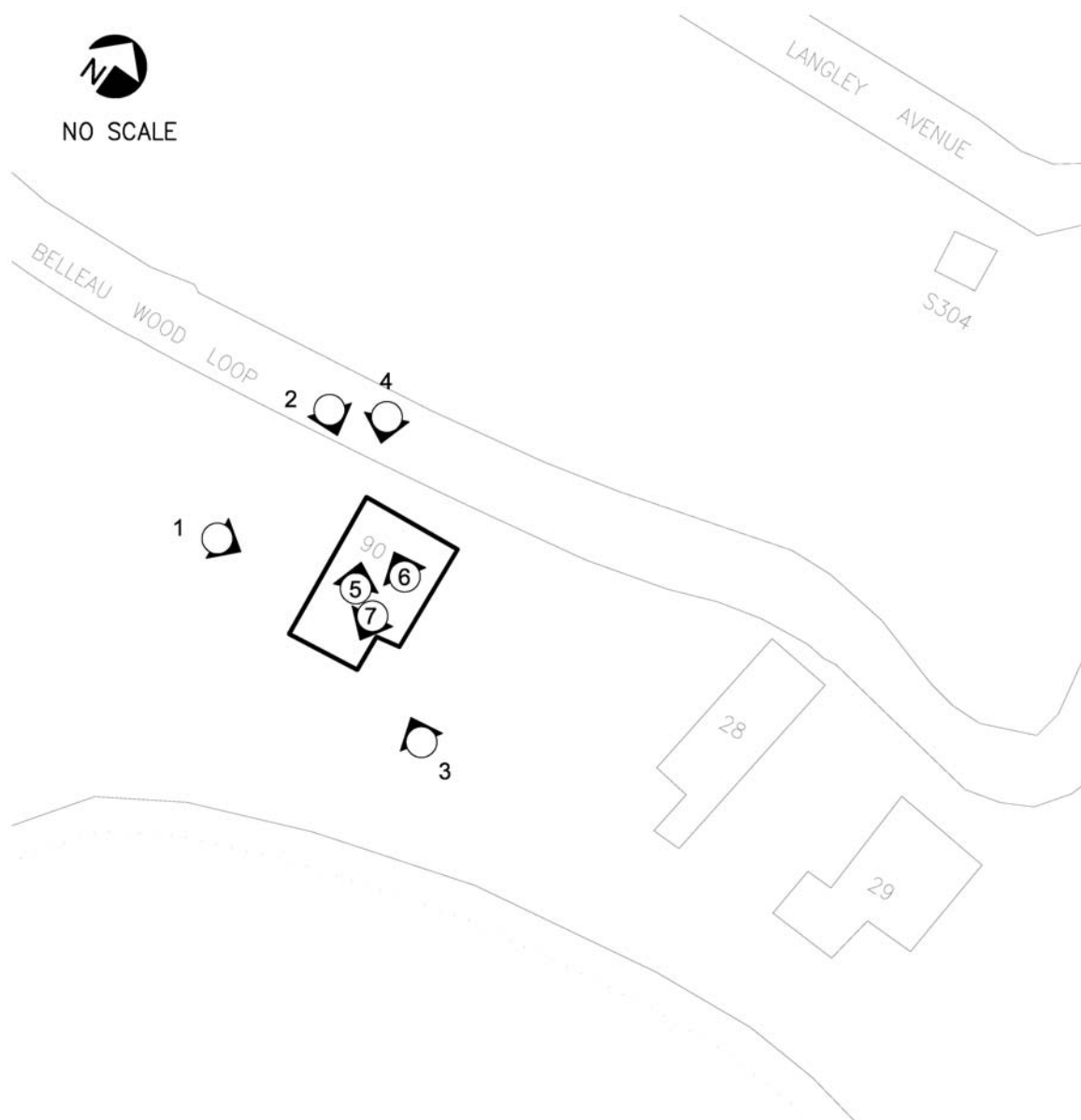
**HABS No. HI-444**

**David Franzen, Photographer**

**November 3, 1998**

- |          |   |
|----------|---|
| HI-444-1 | VIEW OF MAIN ENTRY SIDE.  |
| HI-444-2 | OBLIQUE EXTERIOR VIEW OF MAIN ENTRY SIDE AND END NEAREST THE STREET.          |
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**Photo Site Map**

## HISTORIC AMERICAN BUILDINGS SURVEY

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(U.S. Naval Base, Pearl Harbor, Naval Station Ford Island)  
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(Facility No. 90)

**HABS No. HI-444**

- Location:** 90 Belleau Wood Loop, Ford Island  
Pearl Harbor Naval Base  
City and County of Honolulu, Hawaii
- U.S.G.S. Pearl Harbor Quadrangle, Hawaii, 1999  
7.5 Minute Series (Topographic) (Scale - 1:24,000)  
Universal Transverse Mercator Coordinates 4.608490.2362730
- Significance:** The five remaining bungalows for Chief Petty Officers (CPO) on Belleau Wood Loop form the only remaining historic neighborhood at Pearl Harbor built for this rank of Navy personnel. The buildings are also significant as a group of vernacular houses that reflect Hawaii's architectural solutions for low-cost housing. This bungalow was built in 1938 as part of the expansion of the Navy's air facilities on Ford Island, and is the only extant CPO bungalow from this period. It is associated with the development of Navy aviation in Hawaii and with the attack on Pearl Harbor December 7, 1941. This house, and the others in the CPO neighborhood, are contributing elements to the Pearl Harbor Naval Base, which was designated a National Historic Landmark in 1964.
- Description:** Facility 90 is now located in a row of five bungalows on the harbor side of Belleau Wood Loop on Ford Island. The other four bungalows date from 1923 and are very similar to each other. (See HABS No. HI-439 through HI-443.) This house is the most westerly building in the row, but was not originally in this location when it was built in 1938, fifteen years after the other extant CPO bungalows. For a contextual view of the neighborhood, see HABS Photo No. HI-440-1 in the report for Facility 28.
- This bungalow faces a large grassy area bordered by Belleau Wood Loop, and is sheltered by scattered trees. The rear yard has a view of Pearl Harbor, the battleship mooring quays, and the Arizona Memorial.
- The one-story wood-frame structure is set on piers of concrete masonry units, and is of double-wall construction with board-and-batten siding. The boards measure 12" and the battens are 4". Unlike the bungalows built earlier on Belleau Wood Loop, Facility 90 has no middle girt.

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The house has a complex hipped roof and is the only Ford Island quarters that retains its original wood shingles. Projecting wide eaves have exposed rafters with plumb-cut ends and tongue-and-groove boards as roof underlayment. There are gutters and downspouts located at both sides of the kitchen projection. Narrow bands of ventilation screening are located under the eaves at the corners of the house.

The original plan of the bungalow appears to have been somewhat rectangular, but with a projection for the kitchen. The footprint is approximately 29' x 40' in maximum dimensions. The front doors lead directly into the 21'-0" x 11'-6" living room. To the rear of the living room, the dining room and kitchen share a space approximately 14' x 17'. To the right of the living room are two bedrooms and the bathroom. The bedrooms measure 10'-6" x 13'-0" and 9'-6" x 11'-0". The bathroom is small, only 6'-0" x 6'-0" in size.

A laundry room addition on the east side of the building measures 7'-0" x 7'-6". The laundry addition was built on a concrete slab with a shed roof. The laundry room addition contains a band of fixed screens above a low B&B wall on two sides, and a screen door on the side facing the kitchen entry. In addition to the laundry room, a concrete slab measuring 11'-7" square was constructed to the south of it, and served as a patio.

The residence has two entrances, one located on either side of the street facade. The main entry is not oriented to Belleau Wood Loop, although it was oriented to the street where was originally located. Because the short ends of the other CPO houses are oriented to the loop road, it was decided to place this house in the same manner. Thus, the main entry is located on the west side. The side door is located on the east side of the building, but on the south part of the kitchen projection. Both entries are accessed via concrete walkways from the road. The walkway to the side door has several turns, around the kitchen projection. Perhaps, this is because the original CPO house on this site was a simpler and narrower shape and a portion of the original walkway was reused.

The front entry has a set of double doors with upper lights and two lower wood panels. The glazing pattern is different in each door. The left door has six lights, and the right door has two lights. The front entry also has double wood-framed screen doors, with panels in the lower section. These screen doors have original, or at least historic, hardware. The front landing is concrete, with two steps and a metal pipe hand railing. The kitchen door is wood with screening in the upper section, and a sliding wood panel that can be raised over the screen. Two concrete steps access the rear door. The exterior light fixtures are modern.

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The windows are of wood construction, primarily ten-light casements, mostly paired. The interior casement screens have a horizontal stiffener that aligns with a muntin, rather than being placed mid-height. The windows and the two-part casement screens for these windows appear to be original. In addition to casement windows, the bungalow has two double-hung one-over-one-light windows located in the kitchen, as well as one jalousie window located in the bathroom. The double-hung windows, although probably not original, are compatible with the style and period of the house. The jalousie window is a modern, detracting element. The dates when these windows were altered are unknown.

Some of the original interior materials have been altered with renovation work, primarily in the bathroom and the kitchen. The floor covering throughout the house is vinyl composition tile, and the kitchen counters and cabinets are covered in a laminate material. The bathroom shower/tub has been tiled, and has modern chrome fixtures. The light fixtures and hardware are typically modern.

Other original, or at least historic, interior elements remain in the bungalow. The bedrooms and most closets have five-paneled wood doors. The walls and ceilings in the living room and kitchen are covered in canec panels. The joints where the canec panels meet are covered in different places with either rectangular trim, or half-round pieces. This is the only quarters in this group with studs used for the construction of exterior walls. The walls and ceilings in the hall and bedrooms are tongue-and-groove boards. The base molding is a rectangular board with a quarter-round shoe mold. The ceiling molding in the living room is a simple cove molding.

**Historical Context:**

For an overall history of Ford Island, see HABS No. HI-382. For the CPO neighborhood history see HABS No. HI-440. A detailed history of this house is not possible because no original plans and only a few 1981 repair drawings exist. From maps and historic photos, it is evident that this bungalow was moved to its present position sometime before 1953. On a 1942 Ford Island map Facility 90 was shown across the street from Facility 68; and on that map Facility 90 was listed as an annex to the schoolhouse in the CPO neighborhood. Historic photos taken in 1942-1943 of the USS *Oklahoma* salvage operations show that Facility 90 was very close to the winch lines and a use other than residential appears reasonable. This house may have been moved about 1944 since the wide approach road to the aircraft carrier mooring (Facility S378), then under construction, would have required its relocation. A 1945 Navy list shows this building being used again as CPO quarters. Modifications to the bungalow were discussed above in the description, but the dates of the alterations are not known.

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**Sources:** Architectural Drawings: No original drawings and only a few repair drawings were found in the Plan Files of the Naval Facilities Engineering Command, Pacific. This collection and the National Archives provided maps of the neighborhood with various dates.

Historic Photos: One 1939 photo of this house was found in the National Archives II Photo Section (in RG 80 CF, box 151, labeled PH 111926-3-39), seen at its original location on Long Island Street, near the CPO four-plexes (not extant). The Hawaii State Archives, Admiral Furlong Photo Collection, has several photos of the 1942-1943 salvage of the USS *Oklahoma*. A few of these show Facility 90 before it was relocated, but the house is not the focus of these photographs.

Mariani & Associates Architects

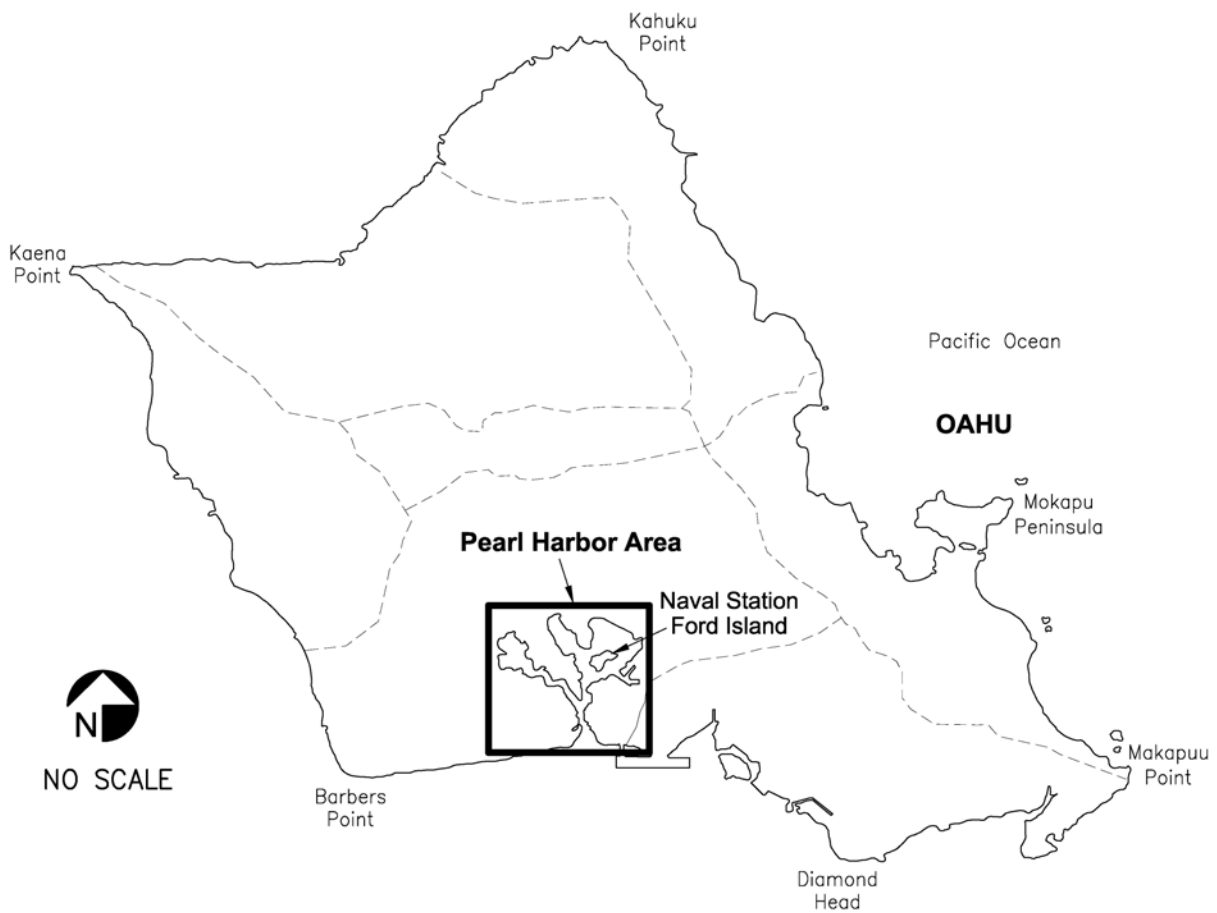
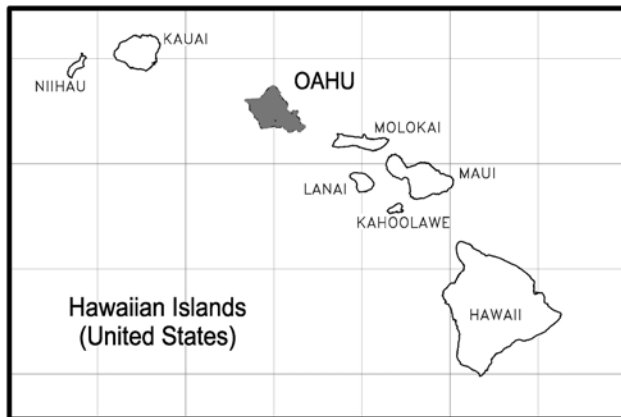
1987 *Study/Survey of Historically Significant Army Family Housing Quarters. Installation Report, Pearl Harbor Naval Base.* December 1987. Prepared for the Department of Army, Contract No. DACA 65-85-C-0149.

**Project Information:** Commander Navy Region (COMNAVREG) Hawaii has embarked on a program of documentation of historic properties within its area of responsibility, with the goal of recording historic information about each property and establishing its context of significance. This information will assist COMNAVREG Hawaii in the appropriate management of these properties, be it routine repair and maintenance for continuing use, rehabilitation for continuing use / adaptive reuse, or demolition. At this time, specific action that may affect this facility has not been determined. This report was prepared under a Historic Preservation Services contract (N62742-97-D-3502) awarded to AMEC Earth and Environmental, the prime contractor, by the U.S. Navy, Naval Facilities Engineering Command. The contract was funded through the Cultural Resources Program of COMNAVREG Hawaii. The photographic documentation was undertaken by David Franzen, of Franzen Photography. Location maps were prepared by Nestor Beltran of NAB Graphics. In 1998, the field work was done and a draft of this report was written by Dot Dye of AMEC. The draft was rewritten in 2002 by Mason Architects.

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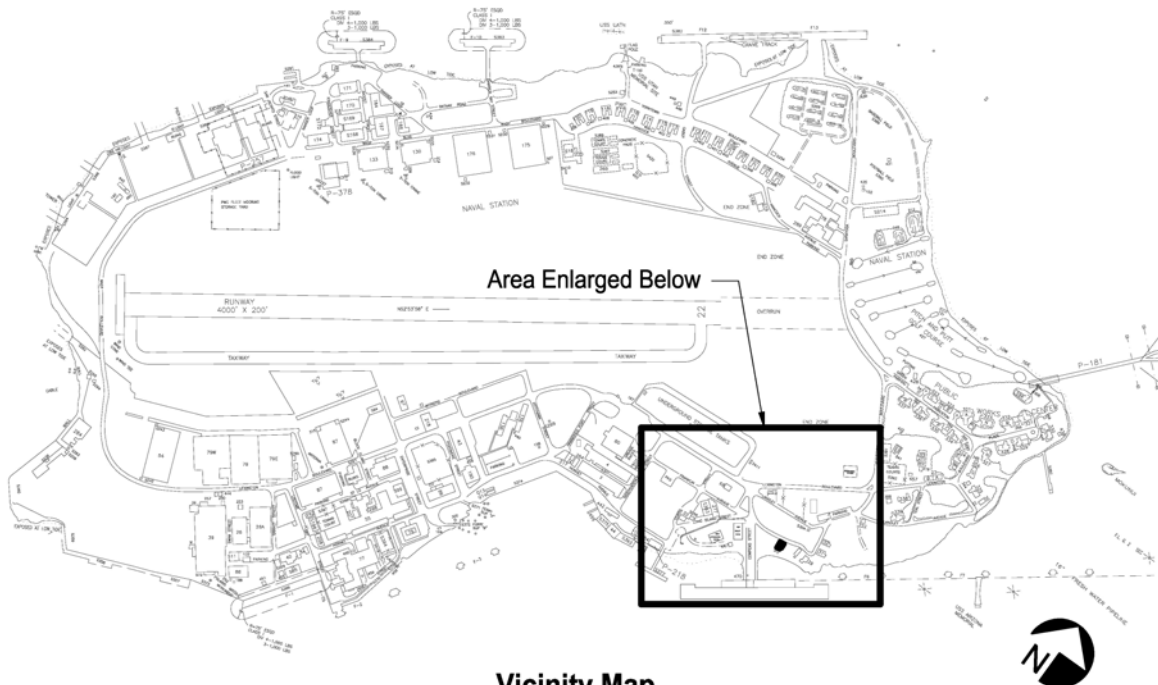
Date of final report: July 2005

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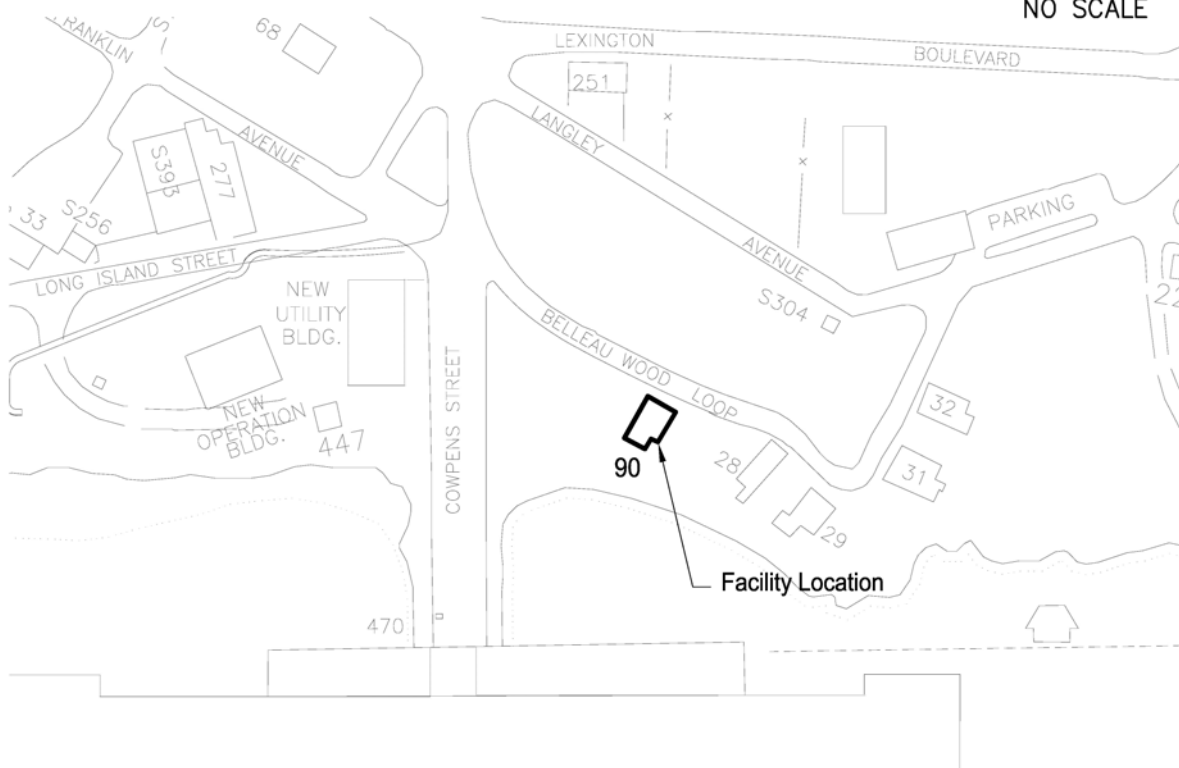




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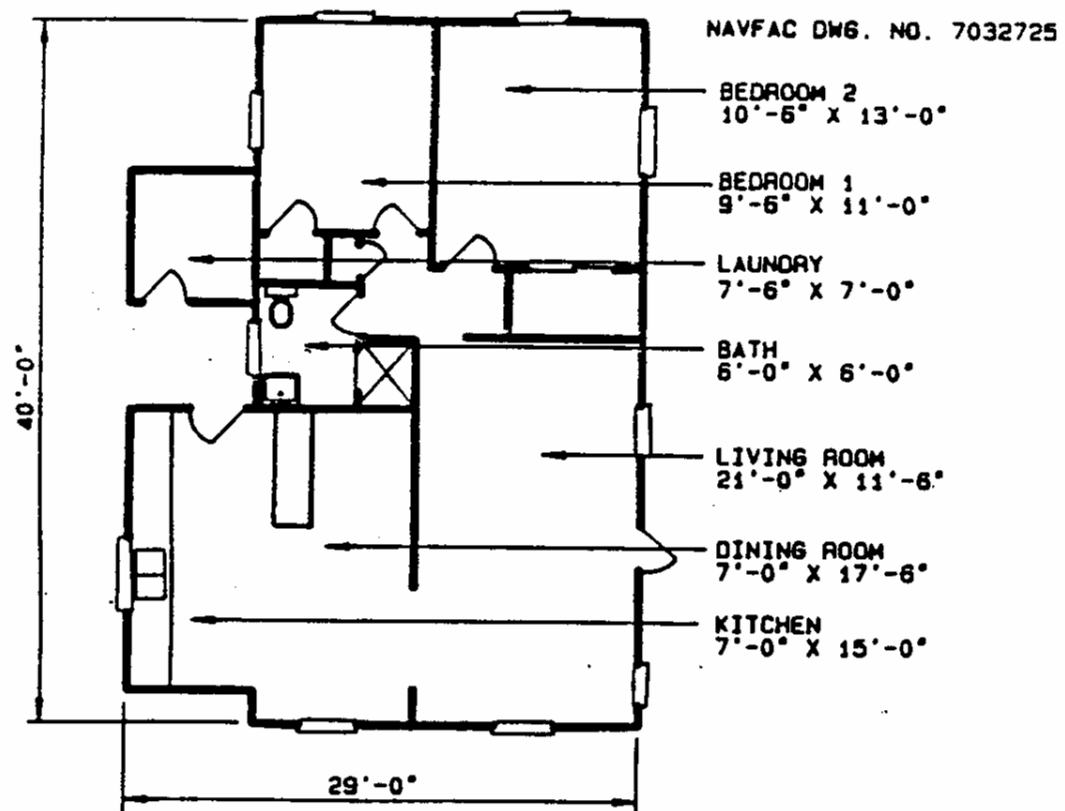
**Vicinity Map**



**Site Map**

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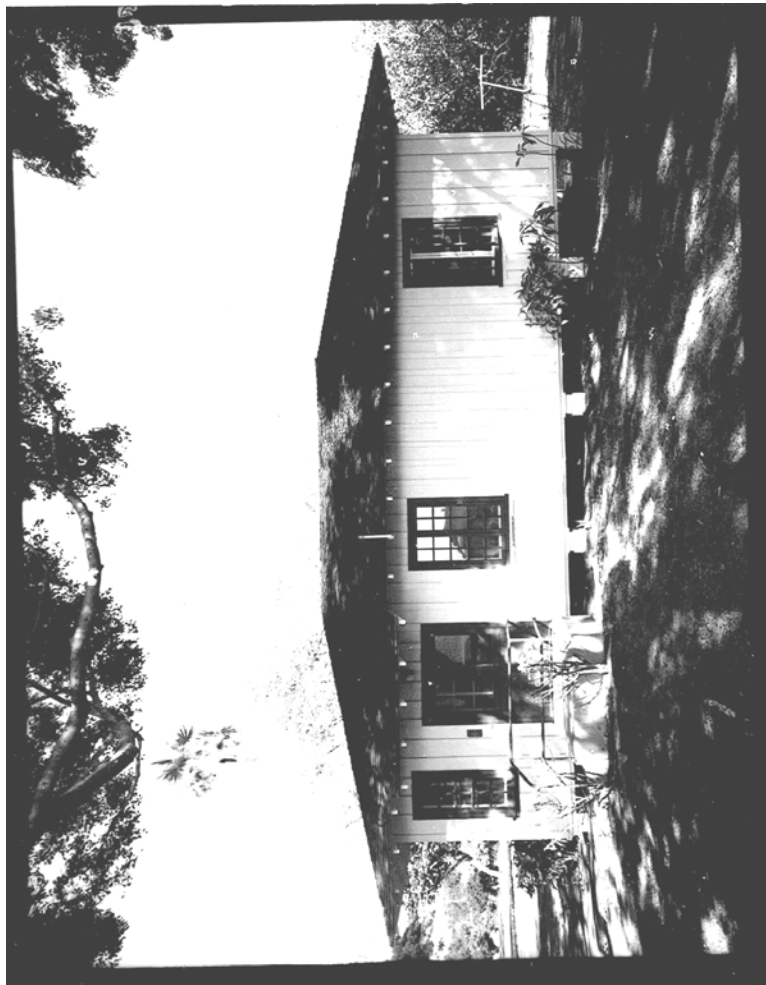
1985 Floor Plan (Mariani & Associates, Architects 1987: 171)



FLOOR PLAN  
SCALE: 3/32"=1'-0"

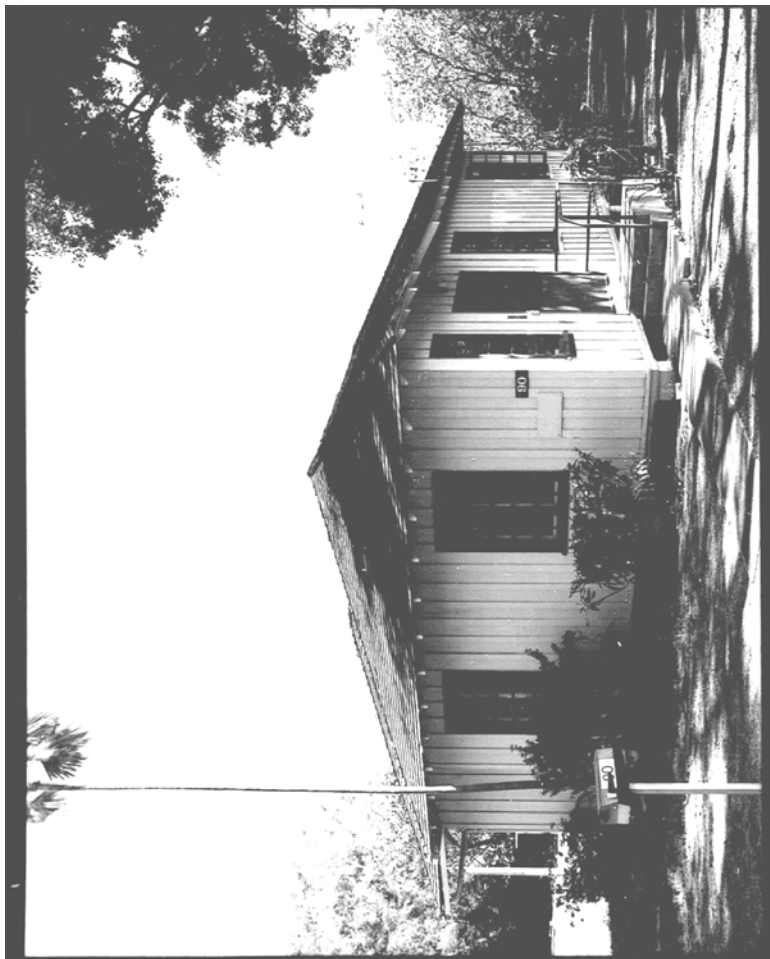
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**HABS NO. HI-444-1**



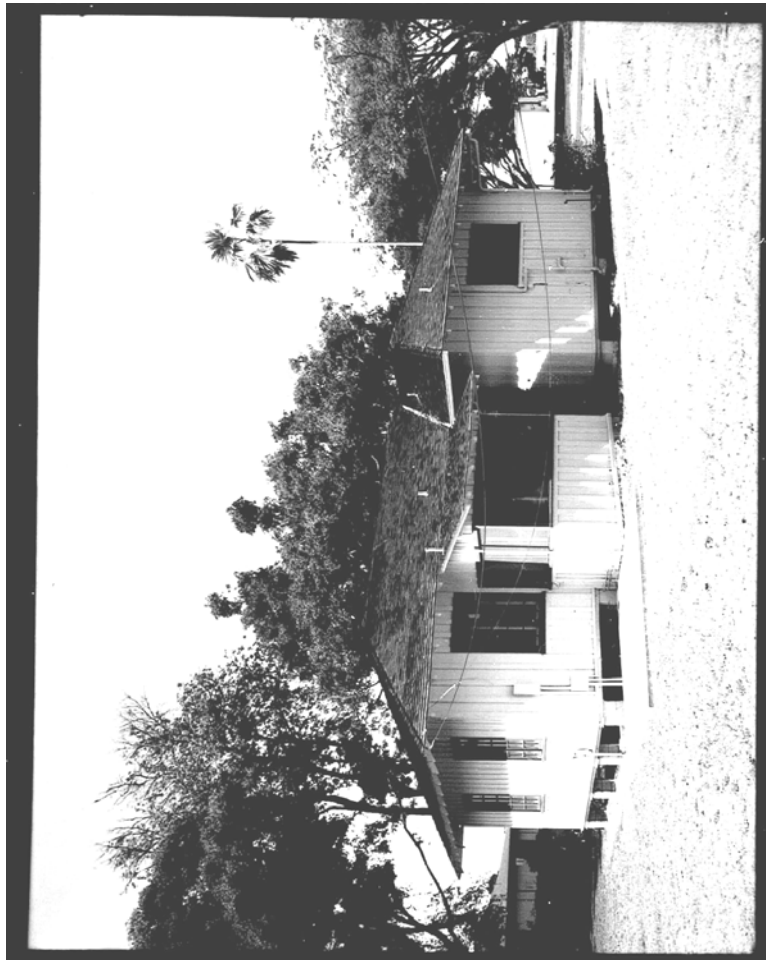
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**HABS NO. HI-444-2**



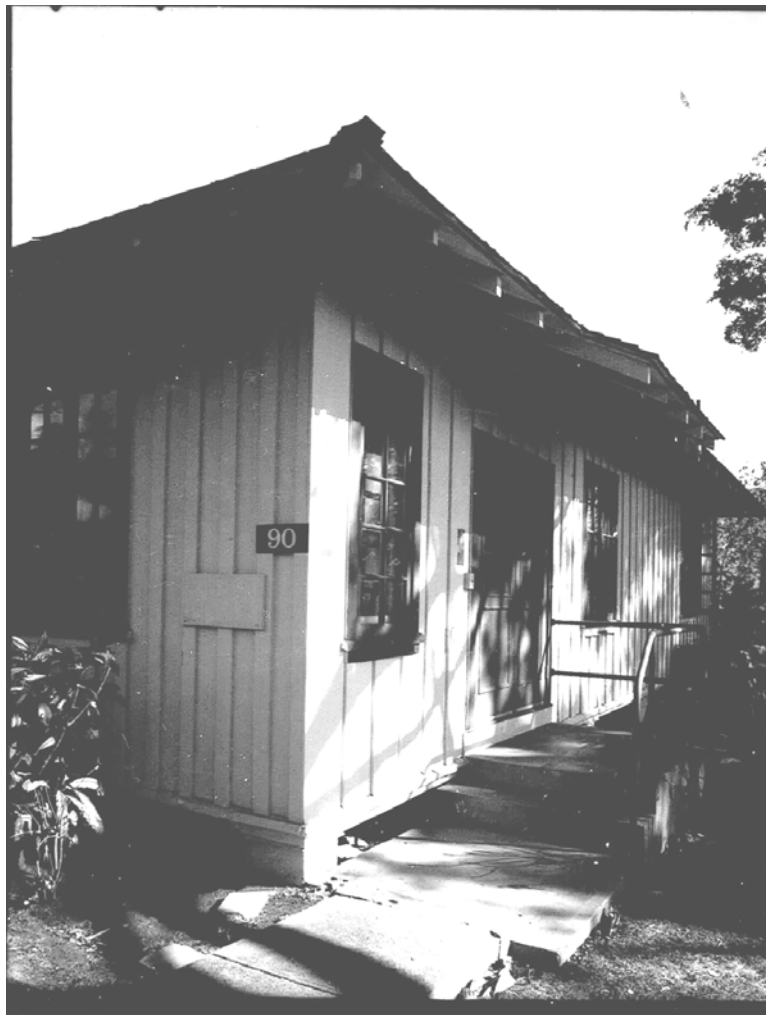
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**HABS NO. HI-444-3**



**HISTORIC AMERICAN BUILDING SURVEY  
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**HABS NO. HI-444-4**



**HISTORIC AMERICAN BUILDING SURVEY  
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**HABS NO. HI-444-5**



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**HABS NO. HI-444-7**

