

**HICKAM FIELD, FORT KAMEHAMEHA OFFICERS' HOUSING
TYPE Y
(Hickam Air Force Base, Building No. 3326)
27 Worchester Avenue
Honolulu
Honolulu County
Hawaii**

HABS No. HI-164-AU

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HI-164-AU

PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

**Historic American Buildings Survey
National Park Service
Department of the Interior
San Francisco, California**

HISTORIC AMERICAN BUILDINGS SURVEY

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- Location:** 27 Worchester Avenue
City and County of Honolulu, Hawaii
U.S.G.S. Pearl Harbor, Hawaii Quadrangle 1999 (7.5 minute series)
Universal Transverse Mercator Coordinates 04.607780.2358110.
- Significance:** Building 3326 is a part of the early development of Fort Kamehameha, and one of thirty-six officers' quarters that were constructed by the Army there in 1916. The officers' quarters were designed in the Craftsman style. Fort Kamehameha was the Coast Artillery fort which guarded the naval base at Pearl Harbor and also was the Army's headquarters for Oahu's harbor defenses.
- Description:** Building 3326 is a single-story building with a u-shaped plan that forms a courtyard between the two rear wings, with one wing used for service areas and the other for bedrooms. The building has a hip roof with open eaves that is covered with asphalt shingles. The rafter tails at the corners of the hips and at the front entry have decoratively cut ends. The building is board and batten construction with a girt at the top of the window casings. The front façade has decorative pilasters with diagonal lattice strips of wood that form a multi-diamond pattern. At the corners of the front façade are pilasters with recessed center panels. The building rests on a lava rock and concrete pier foundation with a wall foundation of the same materials along the front. This front foundation wall has arched openings.
- The front entry of the building is reached by four concrete steps up from grade that are flanked by lava rock and concrete cheek walls with concrete caps. The entry is protected by an extended section of the roof that has decorative cut rafter tails and is supported by knee-braced brackets. The front doorway is double flush wood doors.
- Windows in Building 3326 are typically one-over-one-light double-hung sash with shouldered casings and molded stools. The exterior window casings have molded sills and cornice. The windows in the dining room have leaded lights in the top sashes. The living room windows have their top sashes divided by diagonal wood muntins which form a multi-diamond pattern. There are jalousie windows at the rear wings of the building, facing the courtyard. The interior has a number of different original doors. Typically, the bedrooms and baths have five-panel doors with pommel-top hinges and steel doorknobs and escutcheon plates. The front bedroom has a mirror-panel closet door and a single-panel door to the living room. Between the lanai and living room are double casement doors with nine rectangular lights that are topped by three square lights divided into small triangles by crossed wood muntins. The door from the kitchen to the hall is single-light over three-panel.

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The interior of the building is typically board and batten walls and ceilings. Canec panel ceilings with molded beams are found in the living and dining rooms. In these rooms, a plate rail is located at the top of the window casings and door frames. Above the rail, the walls are canec. Two built-in china cabinets with double doors are located in the dining room. The doors each have eight square lights which are topped by two lights divided into small triangles by crossed wood muntins.

Historical Context: Building 3326 is one of a group of officers' quarters that were originally constructed at Fort Kamehameha in 1916 (Dorrance 1993, 32). A total of thirty-six officers' quarters were built; thirty-two of these were Type Y buildings, the same type as Building 3326, and four were Type Z buildings. The residences along Worchester Avenue were completed first, followed by the four Type Y quarters on Hope Street (Office of the Deputy Installation Commander 1974, 48) sometime after September 1919 (Wheeler Army Air Field Plan Files, 1919). Other buildings of this type were built on Ford Island and at Schofield Barracks.

Building 3326, like the other Type Y Quarters, was designated as a Company Officers' Quarters when it was built. These quarters were numbered 2-18, 23-33, and 111-114. The remaining four buildings, (the Type Z quarters) numbered 19-22, were designated for Field Officers.

By 1978, two Type Y residences, Buildings 6 and 111, had been either demolished or removed from their original site to an unknown location. This reduced the number of extant Type Y buildings to thirty. In 1993, the Type Y Buildings 2 – 5 were moved from their original positions at the north end of Worchester Avenue to other sites on Worchester Avenue and Hope Street (Anderson and Bouthillier 1998, 31).

Building 3326 was built from standardized plans produced at Schofield Barracks by the Office of the Constructing Quartermaster for use in armed forces housing in Hawaii during the early twentieth century. These plans were drawn with a fireplace in the living room, which was provided in response to the cooler climate of Schofield. The fireplaces were not built at Fort Kamehameha. An original floor plan for the Type Y buildings, produced by the Office of Constructing Quartermaster, Schofield Barracks (ca. 1916), is undated (Wheeler Army Air Field Plan Files n.d.). This drawing shows Building 3326 as constructed, except for the fireplace.

Building 3326 has undergone few alterations to its basic plan over the years. At the service wing, the original wall between the storeroom and the front servant's room has been removed to form a larger single room. The bedroom hall and service porch hall, both originally screened, have been enclosed. Bathroom and kitchen fixtures have been changed; floor coverings, finishes, and hardware throughout the entire house have been changed. The house has been re-roofed with asphalt composition shingles.

For additional information, see HABS HI-164-AS Hickam Field, Fort Kamehameha Historic Housing.

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Sources:

Anderson, Lisa K., and Katherine Bouthillier. 1998. *Final Report Data Compiled For Use In The Preparation Of A Management Plan For The Fort Kamehameha Area, Pearl Harbor Oahu*. Prepared by Ogden Environmental and Energy Services Co., Inc. for the Department of the Navy, Honolulu.

Dorrance, William H. 1993. *Fort Kamehameha, The Story of The Harbor Defenses of Pearl Harbor*, Shippensburg, PA: White Mane Publishing.

J.M. Waller Associates and Mason Architects, Inc. 2003. *Building Preservation Plan of Selected Historic Homes for Hickam Air Force Base*. Honolulu: Hickam Air Force Base.

Office of the Deputy Installation Commander, Fort Shafter. 1974. *A History of Fort Shafter 1898-1974, Appendix I: History of Fort Kamehameha*.

Wheeler Army Air Field, Plan Files. n.d. Drawing "Quarters for Company Officers."

_____. 1917. Drawings "Company Officers' Quarters." Drawing # 1469-1 through 1469-9. 4 January.

_____. 1919. Map "Layout of Post." September.

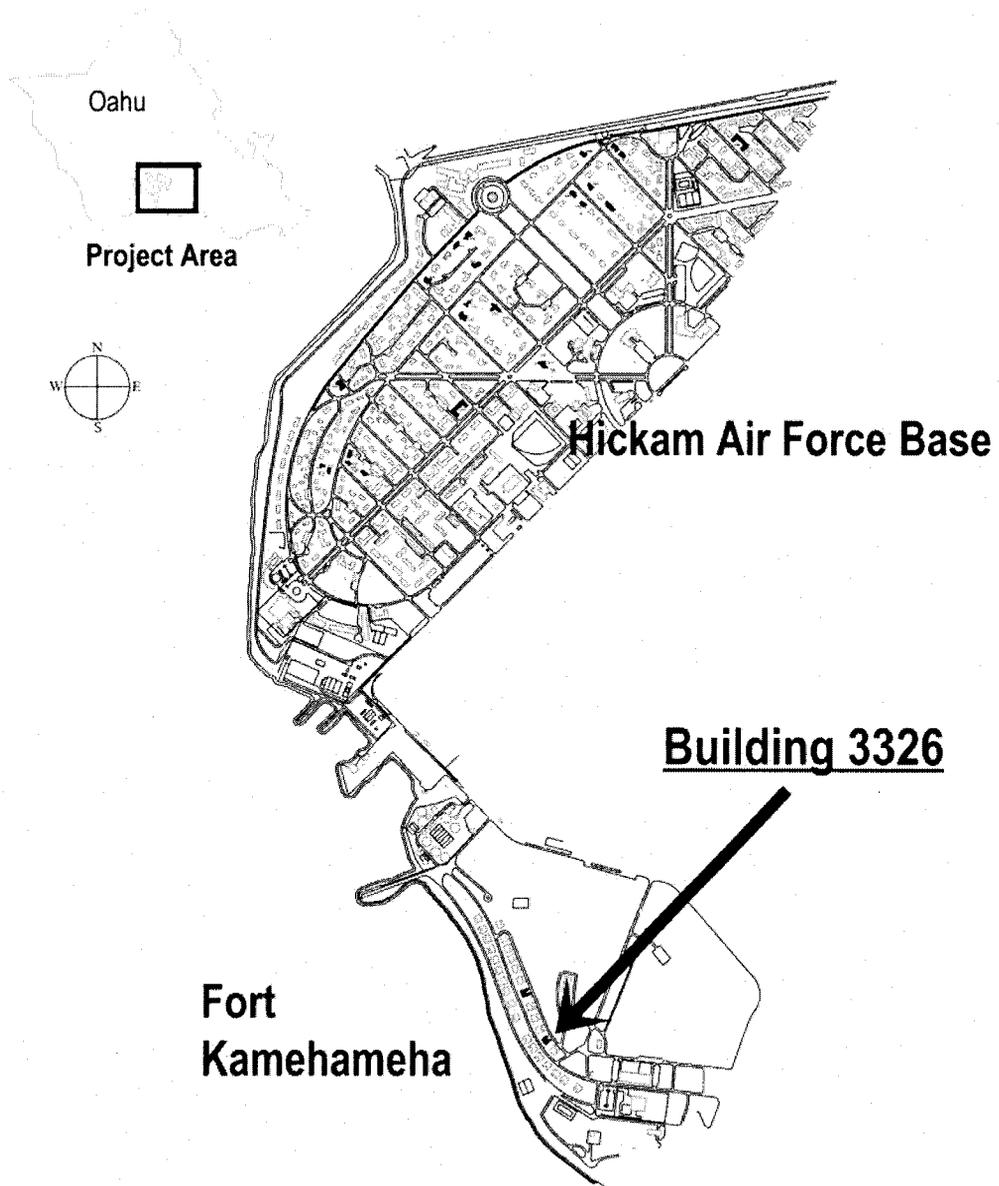
Project Information: This report was prepared as part of a project to privatize all military housing under the control of the 15 Airlift Wing. Approximately 656 of the 1332 base housing units to be privatized are within the Hickam Historic District or the Fort Kamehameha Historic Housing District. Because the units within the historic districts will be altered, a representative unit of each type was selected for preservation; to be restored as part of the Cultural Resource Management Plan for Hickam's Historic Districts. This report documents the building before its restoration. The photographic documentation was undertaken by David Franzen, photographer. Dee Ruzicka, Architectural Historian at Mason Architects, Inc., wrote the written documentation and conducted field work (November 2005 – January 2006) and research for this report.

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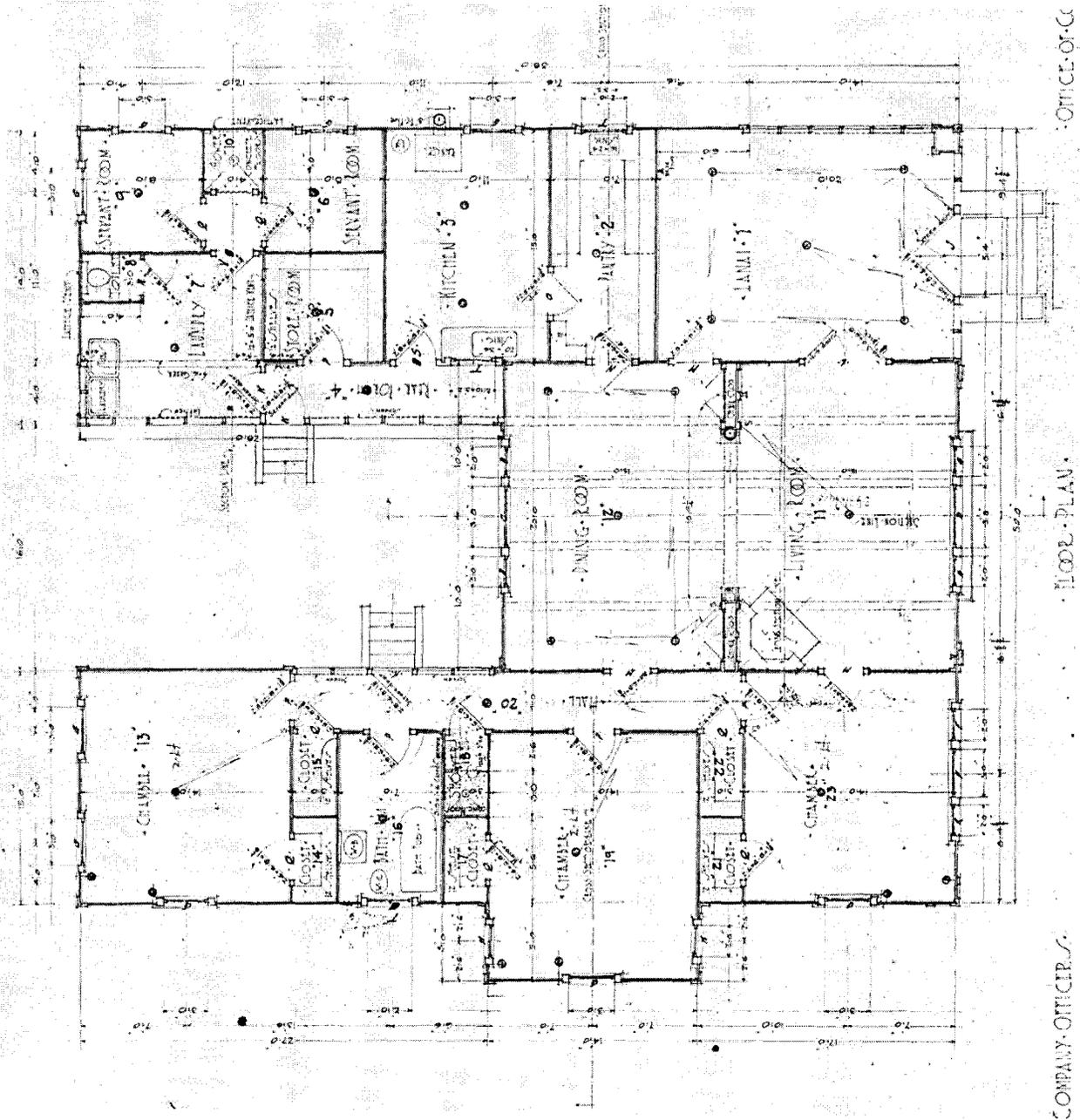
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Building 3326 location map (not to scale)



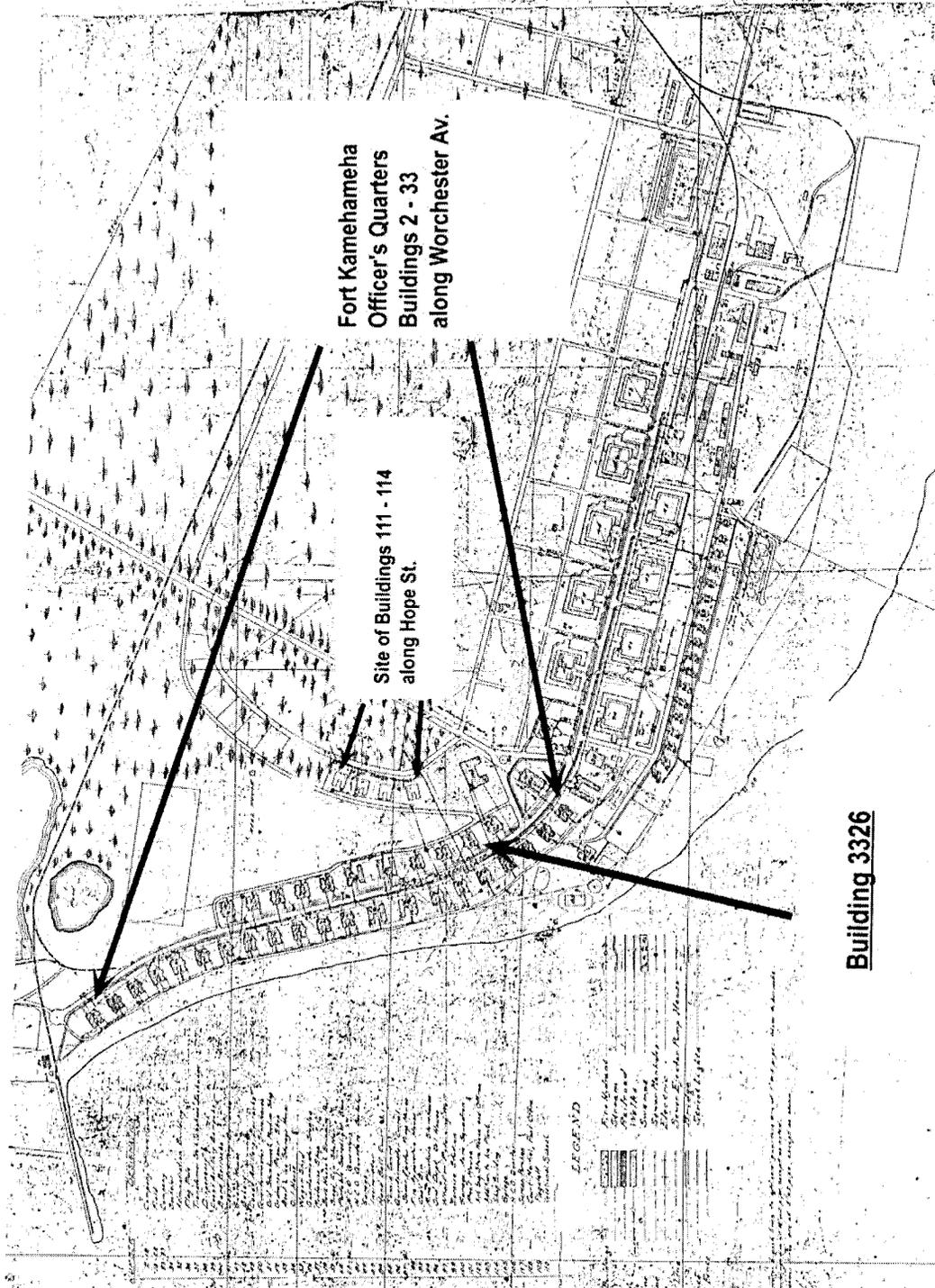
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Original floor plan for Building 3326, Type Y. Wheeler Air Force Base Plan Files n.d.



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Portion of historic map of Fort Kamehameha, dated September 1919, showing the Officers' Quarters along Worcester Avenue. Note that Buildings 111 – 114 on Hope Street are shown in outline, probably indicating future construction. Wheeler Army Air Field Plan Files 1919.



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Drawing for Building 3326, Type Y, dated January 4, 1917 showing exterior details and a section through the building. Wheeler Army Air Field Plan Files 1917, 1469-6.

