

U.S. NAVAL BASE, PEARL HARBOR, NAVAL HOUSING AREA HALE ALII,
OFFICERS' QUARTERS TWO STORY TYPE
(U.S. Naval Base, Pearl Harbor, Naval Housing Area Hale Alii,
Quarters B to H)
(Facility Nos. 1001, 1002, 1004, 1036 to 1039)
1 to 5 and 7 to 8 Hale Alii Avenue
Pearl Harbor
Honolulu County
Hawaii

HABS No. HI-357-B

HABS

HI-357-B

PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

HISTORIC AMERICAN BUILDINGS SURVEY
Pacific Great Basin System Support Office
National Park Service
San Francisco, CA 94107

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1002, 1004, 1036 to 1039; Quarters B to H)

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Location: The Hale Alii Housing Area is located along Hale Alii Avenue, Eighth Street and Avenue D in the Pearl Harbor Naval Complex, on the island of Oahu, State of Hawaii. This area of the base is within the boundary of the Pearl Harbor National Historic Landmark. These buildings fall within the UTM coordinates of the Hale Alii Housing Area as defined in the location section of the main report HI-357.

Facility No. 1001 (Quarters B) is located at 8 Hale Alii Avenue. Facility No. 1002 (Quarters C) is located at 7 Hale Alii Avenue. Facility No. 1004 (Quarters D) is located at 5 Hale Alii Avenue. Facility No. 1036 (Quarters E) is located at 4 Hale Alii Avenue. Facility No. 1037 (Quarters F) is located at 3 Hale Alii Avenue. Facility No. 1038 (Quarters G) is located at 2 Hale Alii Avenue. Facility No. 1039 (Quarters H) is located at 1 Hale Alii Avenue.

Significance: Facilities 1001, 1002, 1004, 1036, 1037, 1038 and 1039 are excellent examples of early twentieth-century Craftsman-style architecture. The structures are distinctive for their use of materials such as local lava rock (basalt), rustic wood shingle siding and roofing, and *ohia* (a local hardwood) flooring, as well as for their design. Significant design features include decorative wood brackets at the roofs and porticos, jigsawn rafters, multi-light wood doors and windows; as well as ornamental interior moldings, such as pedimented head casings at doors and windows, and pilasters at the entry vestibule. Further, these structures are notable as the quarters of the senior officers of the 14th Naval District and the Navy Yard. The Hale Alii housing area is an important element of the initial base. For a description of the neighborhood's overall appearance and significance, see HABS No. HI-357.

Physical History:

1. Date(s) of erection: April 20, 1914 (work completed). Quarters 1038 and 1039 were completed on June 30, 1914 under a separate contract.
2. Architect: No architect has been identified; a note on the plans shows they were revised by Spalding Construction Company, but based on drawings from the Bureau of Yards and Docks.
3. Original and subsequent owners: U.S. Navy. As of 2 February 1999, Pearl Harbor housing came under the COMNAVREGION Housing Office.
4. Builder, contractor, suppliers: Spalding Construction Co., Portland, Oregon (Facilities 1001, 1002, 1004, 1036, and 1037) and Lord-Young Engineering Company, Honolulu, Hawaii (Facilities 1038 and 1039).
5. Original plans and construction: Some of the original drawings for this house type were microfilmed as white lines on black, while others are more readable as black lines on white.
6. Alterations and additions: The kitchen and most bathrooms have been extensively remodeled (various dates). Many of the original windows have been replaced with glass jalousies, particularly at the bathrooms and at rear of the structures. Window air conditioning units have been added in several rooms. All the side lanai have been enclosed with casement-style windows. The second floor of Facility 1001 (Quarters B)

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was rebuilt after a fire in 1952. A simple gable roof was constructed to replace the fire-damaged hipped roof and dormers. Jalousie windows, all new interior wall and ceiling materials, and a new stair were installed at this time.

Architectural Information:

A. General Statement

1. Architectural character:

The Hale Alii housing area is made up of thirteen structures comprised of three types of one- and two-story single-family residences, and one single-story duplex type. Facilities 1001, 1002, 1004, 1036, 1037, 1038 and 1039 were constructed in the Craftsman Style and are similar to the Commanding Officer's quarters (Facility 1000), as well as the two Surgeon's quarters (Facs. 301 and 302) built at Hospital Point. The Hospital Point quarters were built by the same construction company that constructed the first phase of houses at Hale Alii.

The Officers' Quarters are large, wood-frame structures, featuring a two-story main block with a central, projecting, lava rock, screened porch (or portico) and a single-story side wing housing the kitchen and the servants' quarters. The servants' quarters are now generally used for storage, offices, and guest rooms.

2. Condition of fabric: Very good.

B. Description of Exterior

1. Overall dimensions: The overall dimensions of the main two-story block are 42'-2" x 32'-2" with a one-story wing on the west side measuring 33'-9" x 20'-6" and a total gross area between 3,379 and 3,926 square feet. The two-story block is 20'-9" from sill to second-level plate. The first-floor height is 11'-3" and the height of the second-level is 9'-6". The roof slopes at a 5 in 12 pitch. The buildings measure approximately 32' in height from grade to the roof ridge.
2. Foundation: The structures have lava rock pier foundations at the perimeter, and wood post and beam foundations on concrete piers at the interior. The finished floor is approximately 4' above grade.
3. Exterior walls: Wood double-wall construction. The lower floors have vertical board and batten siding and the upper floors are sheathed with butt cedar shingles. S-shaped corbels are found along the beltcourse.
4. Structural system, framing: The quarters are platform-framed. The first floor is framed with 2 x 8 joists at 16 inches on center (o/c); the second floor is framed with 2 x 14 wood joists at 16 inches o/c. The wall framing consists of a common cavity wall with wood studs. The roof structural framing features an all-common rafter system.
5. Porches, stoops: The entry stairs and portico (porch) are built of lava rock. The stair is located at the center of the portico and has no handrails. Wood steps, deck and handrail at rear of house for entry to the servants' quarters and kitchen wing.
6. Chimneys: A lava rock chimney is located on each end (east and west) elevation of the main block.

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7. Exterior openings:

a. Doorways and doors:

The quarters feature a variety of wood doors. The entry in this type typically has double doors with a large light over two panels, under a six-light transom. The center rear door, if original, has three lights in the upper portion, over a single panel. The doors to the one-story wings have often been replaced with modern ones.

b. Windows and shutters:

The main portion of this house type has single and paired casement windows with multi-light transoms; various configurations of double-hung sash windows; and a large twelve-over-twelve-over-one-light triple-hung window at the stairwell. In the library room of this type there was originally installed a large fixed window with twelve-light transom flanked by nine-light casements with six-light transoms. Most of these remain intact. Casement-style windows were used to enclose the side lanai, which is now typically used as a dining room. Jalousie windows were installed at the second level of Facility 1001 (Quarters B) during the 1952 reconstruction. Windows have been replaced with jalousies in various locations in the other houses of this type.

8. Roof:

a. Shape, covering:

The multi-hipped, wood-shingle roofs feature hipped ventilation dormers at the front and rear of the main block. The entry portico has a shed-style wood-shingle roof. Facility 1001 Quarters B) has a wood-shingle gable roof; this was installed after the 1952 fire. It seems that the roof of Quarters C may also have been rebuilt; it has dormers, but they do not open to the attic and were added for appearances only.

b. Cornice, eaves:

Notched and jig-sawn rafters support the eaves at the main block; plumb-cut rafters are used at the kitchen wings and at the second level of Facility 1001 (Quarters B). The eaves are sheathed with tongue-and-groove boards. A screened attic vent is located under the eaves.

C. Description of Interior

1. Floor Plans

a. First floor:

The main block contains an entry portico, a large living room at the front of the house, a central vestibule containing the stair to the upper floor, a half bath under the stair, a library, and an enclosed side lanai. The side wing contains the kitchen, butler's pantry, storerooms, a utility (laundry) room, two servant's bedrooms, and a bath.

b. Second floor:

A central hall provides access to four bedrooms, two closets, and a stair to the attic. Two full baths are located off the bedrooms. The original floor plan was reproduced during the 1952 reconstruction of the second floor of Facility 1001 (Quarters B).

2. Stairs: In most houses of this type, the main stair is a half-turn, open-stringer type with square balusters and square newel posts; built with *ohia* stair treads and handrail. In Facility 1002 (Quarters C) and Facility 1038 (Quarters G) the wood of the stair does not appear to be *ohia*. A new stair was constructed in Facility 1001 (Quarters B) after the 1952 fire. Black walnut treads were recently installed at this stair to match the rare original *ohia* wood floors at the lower level. Each house in this type also has a servants'

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stair, which leads from the original dining room to the landing of the main stair, and an attic stair.

3. Flooring: The interior features *ohia* wood floors at the first floor of Facilities 1038 and 1039 (Quarters G & H), and Douglas fir floors at the upper bedrooms and hall. Douglas fir was installed in all the wood-floor rooms of the other houses of this type. Vinyl flooring is found in the kitchen wing and in the bathrooms. In some of the quarters (i.e. Facs. 1001, 1037 and 1038), vinyl flooring has been installed at the upper floor. In Facility 1002 (Quarters C) most of the rooms have carpeting.
4. Wall and ceiling finish: The ceiling at the entry portico is sheathed with tongue-and-groove boards. The vestibule, living and dining room ceilings are deeply coffered with composition board panels and wood moldings. The drawings indicate that the interior walls are paneled composition board with wood baseboards. Most rooms have a picture molding, located approximately 12 inches from the ceiling. There are wood vertical tongue-and-groove walls and canec ceilings in the one-story wing. The second-story bedrooms have composition board walls with a coved wall-to-ceiling detail, and canec ceilings with a beveled-edge pattern. The second-floor rooms of Facility 1001 (Quarters B) were rebuilt with canec walls and stipple-finish stucco ceilings.
5. Openings: The two openings to the lanai and the opening to the library in each house originally had a single or double ten-light pocket door. Many of these have been removed, or simply closed up. In Facility 1002 (Quarters C) new wood-louvered doors have been installed between the entry hall and the enclosed lanai. Most bedrooms and bathrooms retain the original two-panel wood doors with glazed hopper-style transoms. Some closets have beveled mirrors installed in their doors. All doors have wide, flat casings.
6. Decorative features and trim: Interior moldings include cornice moldings, eight-inch high baseboards, oversized pedimented door and window head casings at the living room, and picture moldings. The living rooms have pilasters along the walls. Storage cabinets are located on the side of the living room windows. A lava rock fireplace with wood mantelpiece supported by ornate brackets graces the east wall of the living room. Early photographs indicate that the interior trims originally received a dark stained finish.
7. Hardware: Most original doors and windows have brass hardware (which has been painted in some quarters). "Crystal" (glass) doorknobs are typically found in the main block, and metal knobs at the kitchen wing. Most of the hardware in Facility 1002 (Quarters C) is not original.
8. Mechanical equipment:
 - a. Heating, air conditioning, ventilation:
Originally, the structure was naturally ventilated. Presently air-conditioning units have been installed at some windows. Ceiling fans have also been added in many rooms.
 - b. Lighting:
Formerly wall and ceiling-mounted incandescent fixtures were a major source of lighting. It is not known if these fixtures are original to the houses. Most fixtures have been replaced over time.

D. Site

For the description of the neighborhood's overall appearance and landscaping, see HABS No. HI-357. All the houses of this type share a garage with storerooms, except Facility 1039

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(Quarters H), which has its own garage (Facility 85). For a description of the shared garage type, see HABS No. HI-357-E. All of the quarters of this type have large yards with varying landscaping. There is an octagonal gazebo in the rear yard of Facility 1002 (Quarters C).

Sources:

A. Original Architectural Drawings: Original drawings and any drawings completed up to the present for building renovations by the US Navy are located at the U.S. Navy, Pacific Division Naval Facilities Engineering Command, Plan File Room, Pearl Harbor Hawaii. A list of drawings found for these quarters and copies of some of them are included with this report.

B. Other Sources:

Mariani and Associates

1987 *Installation Report, Pearl Harbor Naval Base, Study/Survey of Historically Significant Family Housing Quarters*. Prepared for the Department of the Army. Published by author: Washington, D.C.

National Archives II, Still Photos Section

n.d. Bureau of Yards & Docks - Illus. Reports of Construction Contracts, RG 71 CA.

TABLE 1: LIST OF DRAWINGS

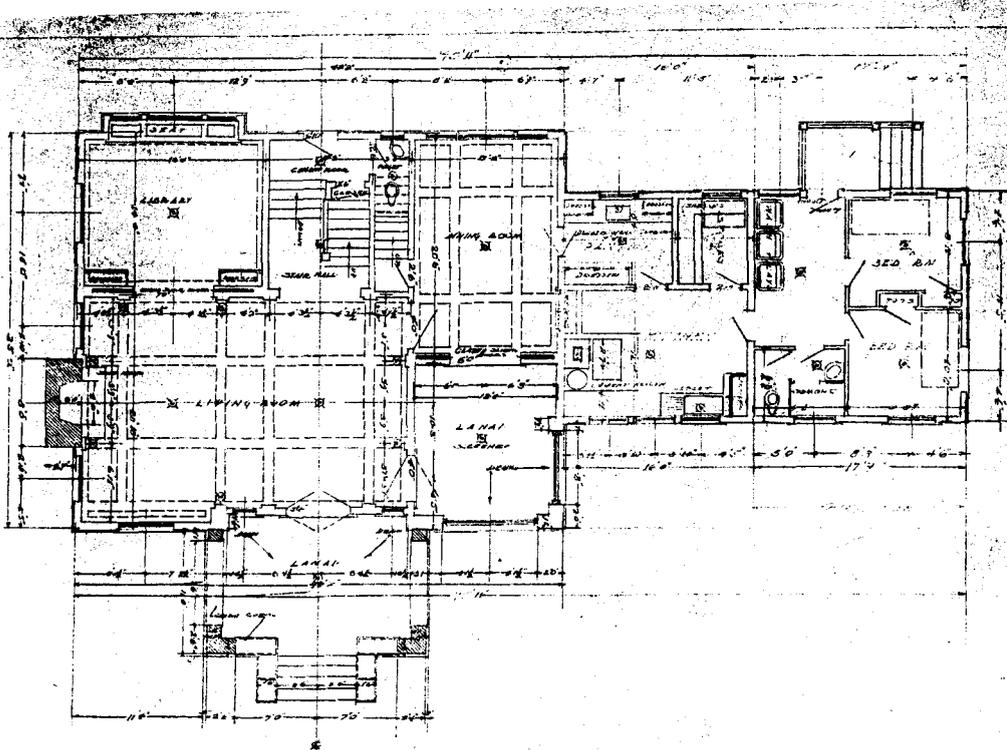
Drawing No.	Sheet Title	Date
60540	"Officers Quarters, Quarters B, C, D E &F", Foundation and First Floor Plan"	Oct. 1912
60541	"Officers Quarters, Quarters B, C, D E &F", Second Floor and Roof Plan"	Oct. 1912
60542	"Officers Quarters, Quarters "B, C, D E &F", Exterior Elevations"	Oct. 1912
60543	"Officers Quarters, Quarters "B, C, D E &F", Building Section"	Oct. 1912
61378	"Officers Quarters G and H, Location, Foundation and First Floor Plan"	May 6, 1913
61379	"Officers Quarters G and H, Second Floor and Roof Plan"	May 6, 1913
61380	"Officers Quarters G and H, Elevations"	May 6, 1913
61381	"Officers Quarters G and H, Exterior Details and Sections"	May 6, 1913
61382	"Officers Quarters G and H, Section through Stairs"	May 6, 1913
61383	"Officers Quarters G and H, Exterior and Interior Details "	May 6, 1913
J-N4-174	Navy Yard, Pearl Harbor, Alterations to Quarters F	1/4/42
I-NI-290	Officers Quarters, Hale Alii Road, Topography	11/29/48
I-N04-1670	Bldg. 1001, 8-B Hale Alii Road, Floor Plan & Elevation As Built	4/12/62
I-N04-1671	Bldg. 1002, 7-C Hale Alii Road, Floor Plan & Elevation As Built	4/12/62
I-N04-1681	Bldg. 1037, 4-E Hale Alii Road, Floor Plan & Elevation As Built	4/12/62
I-N04-1684	Bldg. 1038, 2-G Hale Alii Road, Floor Plan & Elevation As Built	4/12/62
I-N04-1686	Bldg. 1039, 1-H Hale Alii Road, Floor Plan & Elevation As Built	4/12/62

Historian: Barbara Shideler, AIA; Mason Architects, Inc., May 2000.

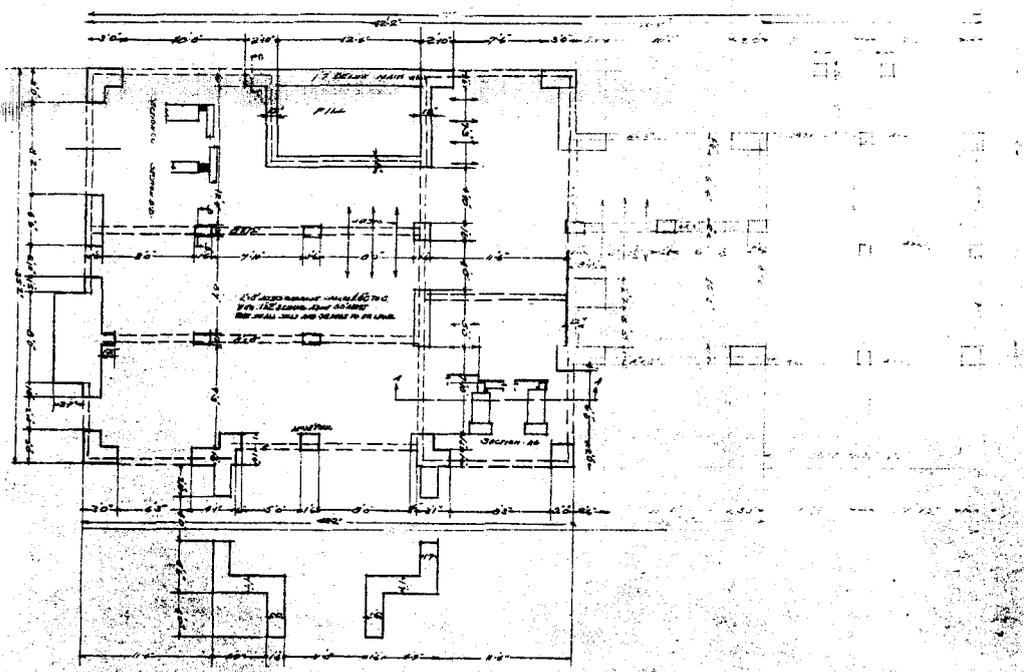
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Foundation Plan and First-Floor Plan, Original Drawing

DWG. #60540. "Officers Quarters, U.S. Naval Station Pearl Harbor, T.H., Quarters "B, C, D E &F", Foundation and First Floor Plan", Oct. 1912



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0" FOOT

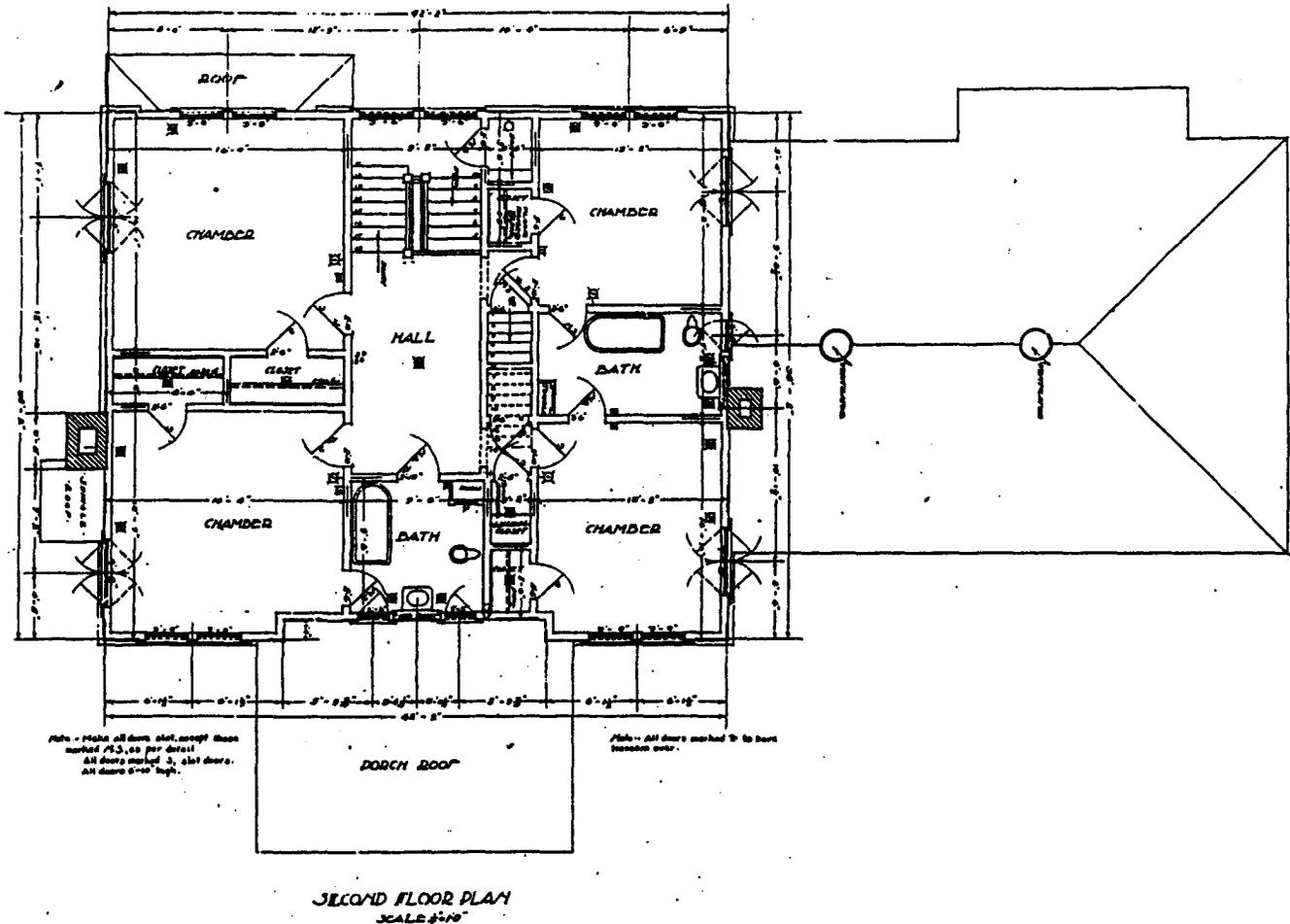


FOUNDATION PLAN
SCALE 1/8" = 1'-0" FOOT

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Second-Floor Plan, Original Drawing

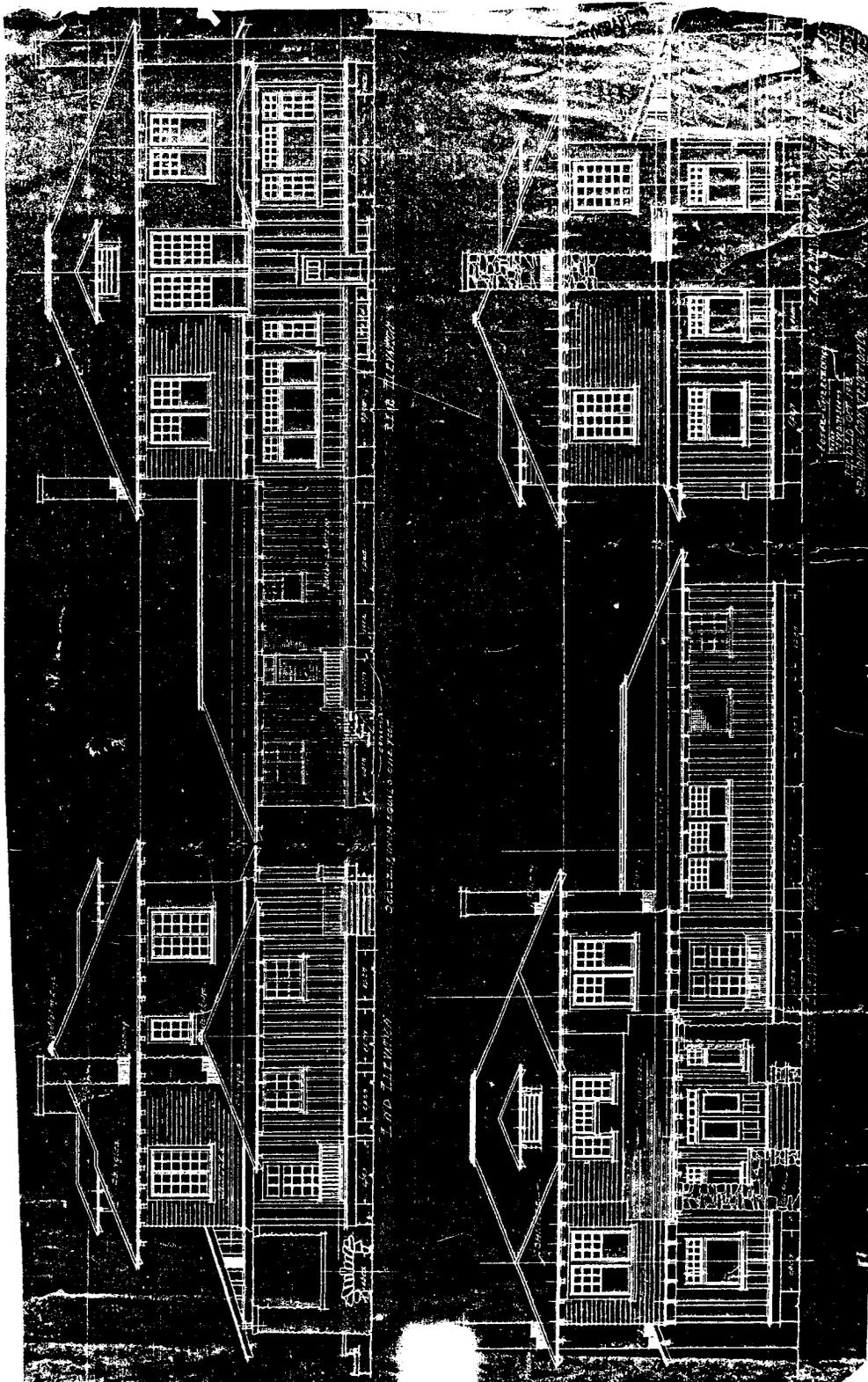
DWG. #60541. "Officers Quarters, U.S. Naval Station Pearl Harbor, T.H., Quarters B, C, D E & F, Second Floor and Roof Plan", Oct. 1912



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Exterior Elevations, Original Drawings

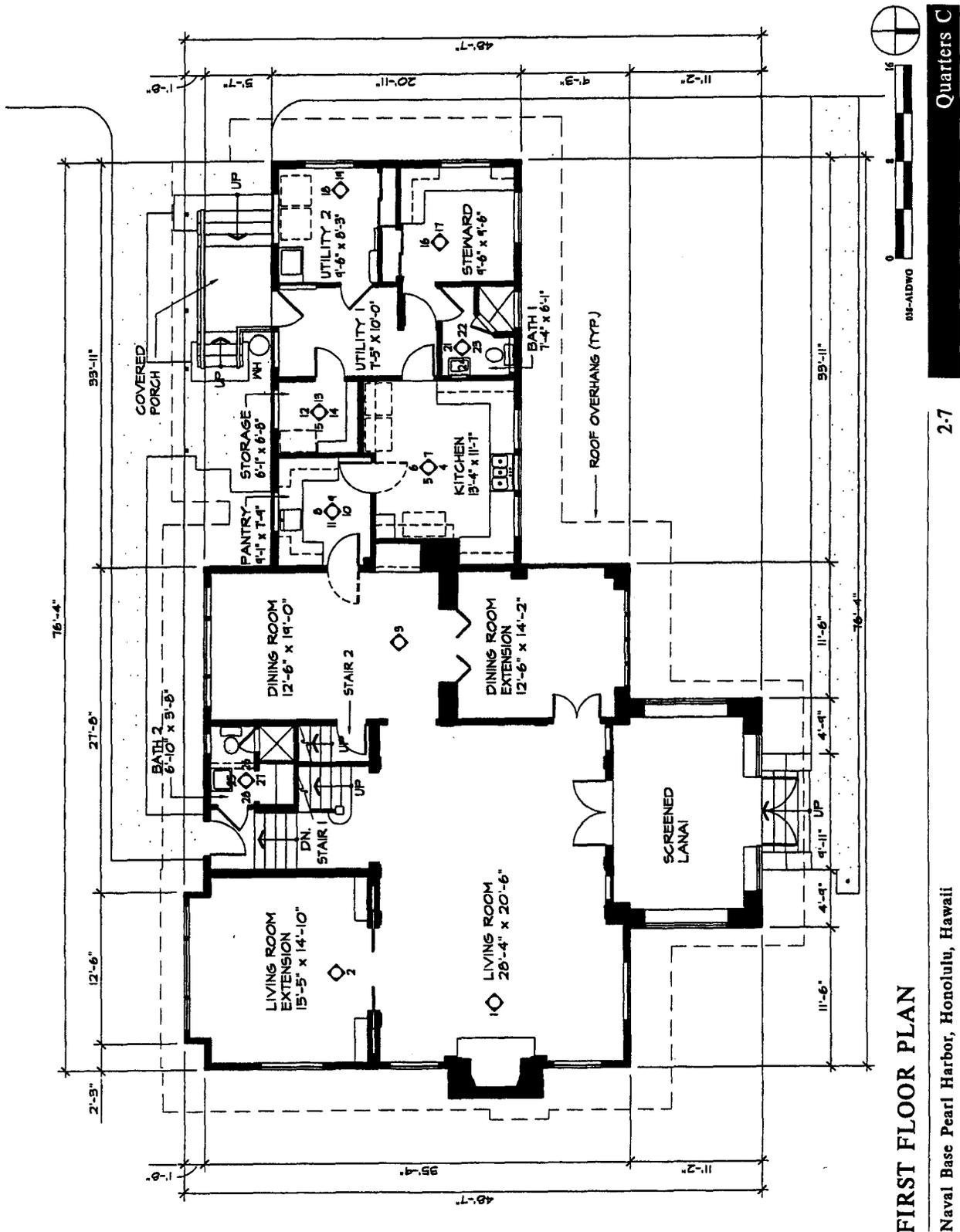
DWG. #60542. "Officers Quarters, U.S. Naval Station Pearl Harbor, T.H., Quarters B, C, D E & F, Exterior Elevations", Oct. 1912



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First-Floor Plan, Recent Drawing of Facility 1002 (Quarters C)

Naval Facilities Engineering Command. *Pacific Division Quarters C Naval Base Pearl Harbor, Flag and General Officers Quarters Facilities Maintenance Management Plan.* United States Government: La Mesa, California: p. 2-7.



FIRST FLOOR PLAN

Naval Base Pearl Harbor, Honolulu, Hawaii

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Second-Floor Plan, Recent Drawing of Facility 1002 (Quarters C)

Naval Facilities Engineering Command. *Pacific Division Quarters C Naval Base Pearl Harbor, Flag and General Officers Quarters Facilities Maintenance Management Plan.* United States Government: La Mesa, California: p. 2-8.

