

U.S. NAVAL BASE, PEARL HARBOR, FLASK STORAGE  
(U.S. Naval Base, Pearl Harbor, Naval Shipyard, Facility No. 247)  
West side of Seventh Street between Facility Nos. 1107 & S1115  
Pearl Harbor  
Honolulu County  
Hawaii

HABS HI-502

HI-502

HABS

HI-502

PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

HISTORIC AMERICAN BUILDINGS SURVEY  
PACIFIC GREAT BASIN SUPPORT OFFICE

National Park Service  
U.S. Department of the Interior  
1111 Jackson Street  
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## HISTORIC AMERICAN BUILDINGS SURVEY

### U.S. NAVAL BASE, PEARL HARBOR, FLASK STORAGE (U.S. Naval Base, Pearl Harbor, Naval Shipyard) (Facility No. 247)

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- Location:** The west side of Seventh Street between Facilities 1170 and S1115  
Pearl Harbor Naval Base  
City and County of Honolulu, Hawaii
- This building falls within the UTM coordinates of the Pearl Harbor, Naval Shipyard as defined in the location section of the overview report HABS No. HI-483. This building's UTM coordinates are: Zone 4 608040E 2361180N.
- Significance:** Facility 247 is located within the Pearl Harbor National Historic Landmark. It is associated with the great expansion of facilities at the Naval Shipyard at Pearl Harbor during World War II. This building has served as a storage facility for Facility 6 (the Foundry) since it was constructed in 1943.
- Description:** This facility is a one-story building with a concrete slab foundation and concrete footings. It has a narrow rectangular floor plan that spans 28 bays long (each bay measuring 14'-0" from center line to center line of the columns) and 1 bay wide giving the facility an overall dimension of 393'-0" x 20'-0" and a height of 15'-0" from grade level to the ridge line.
- The roof is a pitched gable with a 3 to 12 slope and 18" overhanging eaves with a 2" x 6" wood fascia. It is supported by 2" x 4" trussed rafters spaced 28" on-center, and 2" x 6" purlins that lay perpendicularly across the top of the rafters. The roof is sheathed with tongue-and-groove wood boards and covered with asphalt shingles and a metal ridge cap at the ridge.
- Constructed of wood framing, Facility 247 is enclosed on three of its four sides. The three exterior walls at the ends and south wall of the facility are lined with 2" x 4" studs anchor bolted to a concrete curb at grade. The exterior siding has horizontal tongue-and-groove wood boards that are nailed to the studs to enclose three sides of the facility. The north (mauka) side of the building is open and lined with 6" x 6" posts with individual concrete block footings. The wood posts are secured to the concrete footings by 3/4" diameter x 6" pipe dowels. Two-inch by six-inch diagonal wood braces are also nailed to each column to stiffen the frame of the structure. There are no windows, doors, or interior walls incorporated in this structure. The absence of these elements is in response to the fact that only three of the four walls of the facility are enclosed.

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**Historical Context:** Facility 247 was designed and built in 1943 to function as a flask storage facility for the Foundry (Facility 6), which stands adjacent to the north (mauka) of Facility 247. Built thirty years earlier in 1913, the Foundry was an establishment in which metal was melted and poured into molds to create parts and supplies that were used by the fleet at Pearl Harbor. Flasks, in the context of the Naval Shipyard, were frames used for holding a sand mold in the Foundry, thus serving as important elements of the building's function. These flasks were stored in Facility 247 after the building was completed in 1943.

Although the Foundry functions at the Shipyard ceased in 1998, Facility 247 is still used today as a Foundry storage facility. It is currently referred to as Foundry Shop 81.

For an overview of the Naval Shipyard see HABS No. HI-483.

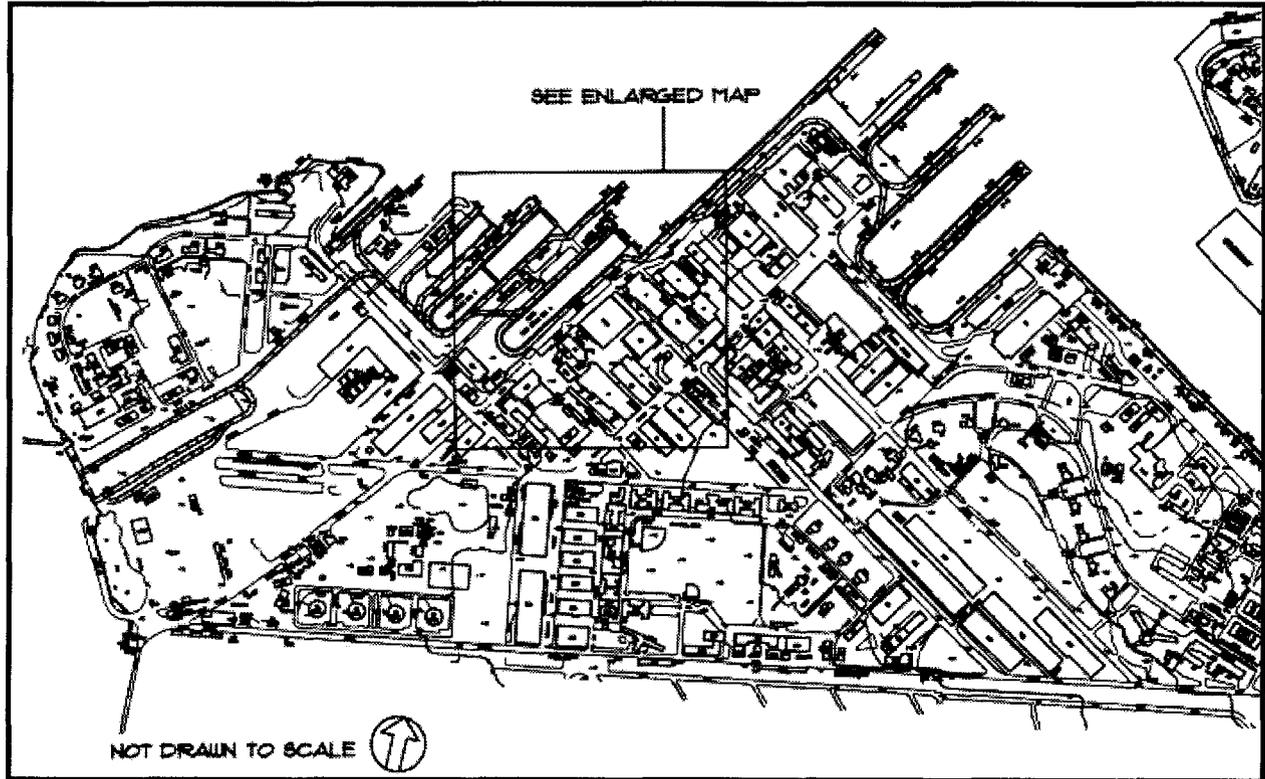
**Sources:** The original drawings for this building are on microfilm at the NAVFAC PAC Plan Files, under 14<sup>th</sup> Naval District numbers I-N6-384 and I-N6-392. A later drawing for Facility 247 is also listed in the microfilm index, under Y&D drawing number 652133.

A copy of the 1947 Property Record Card for Facility 247 can also be obtained from the Naval Shipyard Facilities files.

**Project Information:** Photo documentation and recordation of this facility by the Navy has been done in anticipation of future alterations or potential demolition of the structure. Photo documentation of historic facilities by the Navy assists in expediting planned undertakings by having the documentation prepared prior to taking actions. Also, photo documentation assists the Navy in gaining more information about its historic facilities to assist in making proactive management decisions. This project is being supervised by Jeffrey Dodge, Historical Architect, NAVFAC Hawaii. The photographic documentation was undertaken by David Franzen, photographer. Joanmarie N. Orłowski, Architectural Historian, of Mason Architects, Inc. prepared the written documentation. The field work and research for this report was conducted between the dates of July 2001 and December 2001.

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Shipyard Map





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**Flask Storage Building Location Plan (Drawing No. I-N06-392, dated 4/6/1943) (reduced, not to scale)**

