

ARMY PEARL HARBOR BOARD EXHIBIT No. 26A

Engr. 6703.

Subject: Approval of preliminary sketches and plans for proposed buildings at AWS Stations.

1st Ind.

HEADQUARTERS, HAWAIIAN DEPARTMENT,
Ft. Shafter, T. H., 6 March 1941.

To: District Engineer, Honolulu, T. H.

1. The general plans of the proposed communication buildings on Oahu, Maui, and Kauai are approved.
2. The proposed buildings for the Maui and Kauai base stations as shown on drawing P-4-9 are approved.
3. The proposed buildings for Mount Kaala and the layout at that station shown on your drawing, file No. P 1-10, are approved.
4. The proposed buildings shown for construction at Manawahua on this same drawing is not approved; a *possible building* will be substituted for this design. In connection with the approval of the layout at Mount Kaala attention is invited to section 1 (page 1) of letter this headquarters, Engr. 6703, 7 November 1940, to you, subject: "Construction of Aircraft Warning Stations," which requested that particular care be exercised in the construction of the station to take every advantage of possibilities for concealing the installations from aerial observation.
5. The proposed garage buildings shown in your drawing P-4-11 are approved for general designs. No further work should be done on the design of these garages, however, pending further instructions from this headquarters. The question of whether or not these garages will be constructed with funds of the Aircraft Warning Service project has been submitted to the War Department and no answer has as yet been received. You will be notified when a definite decision on this point has been received from the War Department.

For the Commanding General:

/s/ Carl Gross,
CARL GROSS,
Major, A. G. D.,
Assistant Adjutant General.

Incl: 4 prints in dupl. (1 set w/drawn)

(Stamp:) RECEIVED MAR 12 1941 U. S. Engineer Office, Honolulu, T. H.

ARMY PEARL HARBOR BOARD EXHIBIT No. 37

A. W. S. INFORMATION CENTER—FT. SHAFTER, OAHU

J. O. #39.0

Characteristics: This project consists of a series of interconnected tunnels 890 feet long and varying in diameter from 10 feet to 30 feet. Access to the tunnel is gained by two entrances. Originally the structure was to be located at Hickam Field, but later in June, 1940, it was decided to locate the center at Alimanu Crater. On 9 April 1941 the structure was finally located at Ft. Shafter, Oahu.

Ft. Shafter site approved by Commanding General, Hawaiian Department and War Department.....	9 April 1941
Layout plan (File No. F4/57) and estimates of cost of station submitted to Commanding General, Hawaiian Department, and Chief of Engineers.....	18 April 1941
Layout plan held by Headquarters Hawaiian Department and District Engineer notified that change in plan contemplated by War Department.....	17 May 1941
Plans of revised layout approved by Commanding General, Hawaiian Department.....	5 August 1941
Work started on station.....	19 June 1941
Percent complete on 7 December 1941.....	72%

This job at first contemplated a small tunnel about 600 feet long involving 3600 yards of rock with completion date fixed for August 11, 1941.

The project was expanded in the beyond approved August 5, 1941 to 3 tunnels with a total length of 550 feet and about 10,200 yards of rock excavation. Due to the rooms and number of tunnels this was not straight driving. The completion date was fixed at December 15, 1941. This was not excessive. Hand methods were used initially. When the larger project was adopted, additional tunnel equipment was ordered.

Excavation was completed October 31, 1941. The % of completion on 7 December was only 72% because Using Services had not yet decided interior arrangement so that able walls could be completed. These decisions not made until after Pearl Harbor. During period immediately after Pearl Harbor it was used as a bomb proof shelter.

ARMY PEARL HARBOR BOARD EXHIBIT No. 38

WAR DEPARTMENT,
UNITED STATES ENGINEER OFFICE,
Honolulu, T. H., April 18, 1941.

Refer to file No. 2044

Subject: Cost Estimates A. W. S. Communication Center
at Fort Shafter, T. H.

To: Commanding General, Hawaiian Department, Fort Shafter, T. H.

1. Attached are two prints of drawing file No. F 1/G7 showing general plan and sections of the A. W. S. Central Communication Station, together with estimates of cost for construction of this underground structure at Fort Shafter, T. H.

2. As requested under the 4th indorsement of the Department Engineer dated February 25, 1941, the length of the waiting room has been increased to 40 feet. The power group has been modified to include double doors and vestibule type entrance as shown on the above drawing.

3. The estimate attached herewith locates cost of materials, labor and equipment, mobilization and the necessary overhead, engineering and supervision. The total estimated cost is \$177,656.00.

4. A copy of this estimate and drawing is being forwarded to the Chief of Engineers, Washington, D. C.

/s/ Theodore Wyman, Jr.
THEODORE WYMAN, JR.,
1st Col., Corps of Engineers,
District Engineer.

Incls:

- 2 prints each of drawing file No. F-4/G7
- 2 copies of estimates

ARMY PEARL HARBOR BOARD EXHIBIT No. 38A

Engr. 676.3

Subject: Cost Estimates, A. W. S. Communication Center at Fort Shafter, T. H.

1st Ind.

HEADQUARTERS, HAWAIIAN DEPARTMENT,
Fort Shafter, T. H., 17 May 1941.

To: District Engineer, Honolulu, T. H.

1. Action on approval of the design submitted by basic communication has been held in abeyance as a result of instructions received from the War Department that this structure for the Aircraft Warning Service would be combined with the Command Post for the Hawaiian Air Force and the Antiaircraft Groupment. Similarly the data necessary for your office to design the Command Post of the Air Force and of the Command Post of the Antiaircraft Groupment for which you were directed to prepare detail designs has not yet been submitted.

2. This entire matter is now undergoing final study at this headquarters and you will be advised of the final requirements of the Information Center, the Air Force Command Post and the Anti-aircraft Groupment Command Post in the near future. It is believed that the combination of these three units and the elimination of some duplication will result in a lowered cost.

For the Commanding General:

/s/ O. M. McDole
O. M. MCDOLE,
Major, A. G. D.,
Assistant Adjutant General.

Incls: w/drawn