

eventual expansion of the garrison to 1,000 men. This increase in capacity is proposed to take care of the possibility of assigning an anti aircraft regiment as part of this garrison. Shown on the map accompanying this letter are two areas shaded in blue. The area near the runway will be used for the construction of the service buildings incidental to flying operations. The 40 acre tract shown to the north of the runway will be utilized for construction of housing facilities for both officers, married noncoms, and enlisted men. The land where the runways and the adjacent blue area are located is now cultivated cane land. The area of the 40 acre tract is cultivated pineapple land; the cane land involved is about 250 acres including. If these sites are secured by lease it is estimated that the cane land will cost \$80.00 per acre per year and the pineapple land \$25.00 per acre per year, or a total annual rental of \$8,500. If this land is purchased the cane land will cost about \$1,000 and the pineapple land about \$500.00 per acre; a total cost of about \$270,000.

7. There is included a tabulation showing the buildings which should be constructed with cost figures and cost estimates on runways and other flying facilities and on utility systems. These estimates show a total estimated cost of \$4,668,950 not including cost of land. As stated above if the land is leased there will be a yearly rental of \$8,500. If the land is purchased the total cost is estimated at \$4,928,950.

(5) 8. It is recommended that the proposed location of this new field be approved and that funds in the amount of \$4,668,950 be allotted for construction if the War Department decides that securing the land on a lease basis is satisfactory. It is further recommended that if the War Department decides that this land should be purchased, additional funds in the amount of \$270,000 be made available.

(s) WALTER C. SHORT,
Lieutenant General, U. S. Army,
Commanding.

2 Incls:
#1 Map
#2 Tabulation

A true copy
Edward von Geldern,
EDWARD VON GELDERN,
2nd Lt., P. A.

[CONFIDENTIAL]

PARAPHRASE OF RADIO FROM T A G:

Fifteenth Pursuit Airbase at Kipapa is disapproved. Stop Base 8 to be located at Kakaia. Stop Personal letter twenty one July (7) from General Marshall to General Short covers this subject.

U-40.

True copy,
Edward Von Geldern
EDWARD VON GELDERN,
2nd Lt., P. A.

[Exhibit 1C]

[1]

[SECRET]

HEADQUARTERS HAWAIIAN DEPARTMENT,
OFFICE OF THE DEPARTMENT COMMANDER,
Fort Shafter, T. H., April 14, 1941.

In reply refer to: Engr. 600.96

Subject: Protection of Seacoast Defense Batteries.

To: The Adjutant General, Washington, D. C.

1. Reference is made to your secret radiogram No. 708, 4 April 1941, which was on the subject of protection for the seacoast defense batteries in this department and which suggested a conference with Mr. J. C. Letts of the Office of the Chief of Engineers during his recent visit in this department.

2. This radiogram stated that a letter covering this construction was being forwarded by mail. This letter has not as yet been received in this department. In order to save time, however, we're submitting recommendations without waiting for the arrival of this letter as its subject matter was explained in general by Mr. Letts.

3. There are three batteries involved in this protection; these are the two 16-inch gun batteries, Battery Hatch at Fort Barrette and Battery Williston at Fort Weaver and a 12-inch barbette gun battery, Battery Closson at Fort Kamehameha. A study of this problem has been made jointly by the Commanding General, Hawaiian Separate Coast Artillery Brigade, the District Engineer and Mr. Letts. They recommend the casemating of Battery Hatch and Battery Closson and provision of a tunnel type shield for Battery Williston. There is inclosed a chart showing the fields of fire of these batteries after the protection is installed. From this chart it will be seen that Battery Hatch has a field of fire from azimuth 295 to azimuth 80; and Battery Williston, a 360° field of fire. The red shading on this chart indicates the area in which the fire of four 16-inch guns can be placed. The yellow shading shows the additional area which can be covered by the fire of two 16-inch guns at Fort Weaver. The existing range circle of Battery Hatch is shown by the red line and Battery Williston by the black line. The chart indicates that there is an area about 5,000 yards in range west of Oahu which is now covered by the fire of Battery Hatch and which is not covered by the fire of Battery Williston. On the east side of the island the area now covered by fire from Battery Hatch, which is sacrificed by the casemating is well in the field covered by Battery Williston. The only loss in coverage is in the 5,000 yards to the west of the island and in the fact that the general area is now covered by the fire of only two 16-inch guns while under present arrangement this area is in part covered by the fire of four 16-inch guns.

[2] 4. I do not believe that this loss in coverage is at all important when compared to the necessity of providing protection for Battery Hatch in particular, and therefore concur in the recommendations of the Commanding General, Hawaiian Separate Coast Artillery Brigade.

5. Your radio also referred to our letter, subject: "Bombproof Construction for Magazines at Fort Barrette and Fort Weaver," dated 4 February 1941. The recommendations contained in this letter are reiterated. Since the recommendation is made that Battery Williston should have tunnel type shield protection which does not provide any protection for ammunition, a bombproof magazine for at least one-half of the propelling charges should be provided at that battery. Also due to the exposed position of Battery Hatch and the impossibility of camouflaging the existing magazines, it is believed that a bombproof magazine for one-half of the propelling charges should be provided at that battery in addition to the bombproof storage for 50 complete rounds in each casemate.

6. Reference is now made to letter, this headquarters, subject: "Defense of Naval Air Station, Kaneche Bay, Oahu, T. H." dated 18 February 1941, file 381, in which the War Department was advised that this department was assuming responsibility for the defense of the Kaneche Bay Area. It is believed that the growing military and naval importance of Kaneche Bay area makes it essential that a major calibre seacoast battery be installed for its protection. The need for this battery is urgent and its installation should not wait upon the manufacture of the armament. It is understood that there are some 12-inch long range gun batteries similar to Battery Closson on the mainland where the need for them no longer exists and it is recommended that the armament of one of these batteries be shipped to this department and funds provided for its emplacement in the Kaneche Bay area.

7. The following is therefore recommended:

a. That protection be provided for Battery Hatch by the construction of casemates and overhead cover, at Battery Closson by the construction of overhead cover, and at Battery Williston by the installation of tunnel type shields.

b. That a bombproof magazine for one-half of the propelling charges be authorized for Battery Williston and a similar magazine be authorized for Battery Hatch in addition to the storage of 50 rounds in each of the casemates.

c. That the armament of a 12-inch gun battery similar to Battery [3] Closson to be obtained from a location on the mainland where it is no longer needed and shipped to this department and installed to cover the Kaneche Bay area.

(s) Walter C. Short
WALTER C. SHORT,
Lieutenant General, U. S. Army,
Commanding.

1 Incl: Chart (Orig of Incl No1, is on file at H S C A B)

A True Copy:

EDWARD VON GELDERN,
2nd Lt., F. A.

HEADQUARTERS HAWAIIAN DEPARTMENT,
Fort Shafter, T. H., 31 July 1941.

[1]

in reply refer to:

AG 381/20

Kaneohe Bay Project.

Secret

Subject: Coast Artillery Armament for Naval Air Station, Kaneohe Bay.

To: The Adjutant General, Washington, D. C.

1. References:—

A Secret letter HHD to TAG, 14 April 1941, subject: "Protection of Seacoast Defense Batteries" file AG 662.1 (4-14-41) MC-E, HD Engr 600.96, with 4 indorsements.

B Secret letter TAG to HHD, 8 April 1941, Subject: "Defense of Naval Air Station, Kaneohe Bay, Oahu, T. H." file AG 381 (3-13-41) M-WPD, with 1st indorsement HHD to TAG dated 16 June 1941.

2. The attached study was prepared by the Commanding General, Hawaiian Separate Coast Artillery Brigade in accordance with the directive contained in the 4th indorsement to reference A. In considering this study, reference should be made to a similar study which was submitted as an enclosure to 1st indorsement, reference B.

3. The recommendations contained in paragraph 6 of the attached study of the seacoast and antiaircraft defenses required for the protection of the Kaneohe Bay Naval Base (Incl. #1) are approved with the following exceptions:

a. It is believed a large proportion of the 15 AA searchlights recommended in paragraph 6a. should be equipped with SCR 268 sets instead of the M2 sound locators. The severe limitations imposed by the terrain and normal atmospheric conditions present in this area make mandatory the early detection of hostile aerial targets.

b. In order that personnel may be available to establish a headquarters for the Harbor Defenses of Kaneohe Bay, it is believed that instead of augmenting the seacoast personnel, as recommended in paragraph 6d. (2) by one battalion (TD) and three separate batteries (HD), that the increase should consist of one Coast Artillery regiment (HD), type B, (T/O 4-71, Nov 1/40), less band and one battalion. This organization will provide the necessary command and staff and attached medical personnel to permit the proper tactical organization of the defenses. The 155mm battalion can take the place of the second battalion of the Harbor Defense Regiment.

[2] 4. It is recommended:

a. That the eventual project for defense of the Kaneohe Bay Naval Air Station and Bellows Field, based on the installation of fixed armament, be as follows:

(1) *Armament:*

(a) Seacoast:

2 155 mm Gun Batteries (latest type).

2 6'' Fixed Gun Batteries (2 guns each).

1 16'' Long Range Casemated Gun Battery of 2 guns on Barbette Carriages.

(b) Antiaircraft:

3 90 mm AA Gun Batteries.

3 37 mm AA Gun Batteries to consist of 10 guns each.

48 Caliber .50 AA Machine Guns.

15 AA searchlights together with a minimum of 6 SCR 268 sets and 9 M2 sound locators.

(2) *Personnel:*

(a) Seacoast Artillery:

1 Battalion Coast Artillery (TD), 155 mm guns, (T/O 4-35, Nov 1/40).

1 Regiment Coast Artillery (HD), type B, less band and one battalion, (T/O 4-71, Nov 1/40).

(b) Antiaircraft Artillery:

1 Regiment Coast Artillery (AA), semi-mobile, less one gun battalion, (T/O 4-111, Nov 1/40).

b. That initially based on armament now available in the Hawaiian Department, the defense be constituted as shown below. The seacoast armament and personnel to be used in this defense must be moved from previously assigned positions in other parts of the island, thereby weakening the defense in other areas.

(1) Considering only personnel now present and available:

- 1 155 mm Gun Battery.
- 1 155 mm Gun Battery with additional assignment of five anti-aircraft searchlights.
- 1 8" Railway Gun Battery.
- 2 3" Anti-aircraft Gun Batteries.
- 1 Seacoast Searchlight Battery.

(2) Assuming that personnel under paragraph 4 a (2) (a) above will be made available at an early date and using armament now available in War Reserve, the defense can be organized as shown below. Under this plan no movement of armament from present assigned positions is required:

- 2 155 mm Gun Batteries
- 1 155 mm Gun Battery with additional assignment of five anti-aircraft searchlights.
- 1 8" Railway Gun Battery.
- 2 3" Anti-aircraft Gun Batteries.
- 1 Seacoast Searchlight Battery.

[3] c. That the increase in personnel and in major items of armament recommended in paragraphs 6 a and b, reference B, insofar as they relate to the Coast Artillery be amended to conform to paragraph 4 a. above.

WALTER C. SHORT,
Lieutenant General, U. S. Army,
Commanding.

1-Incl: Revised Study on Seacoast and Anti-aircraft Artillery Defense of the Kaneohe Naval Air Station (Secret) in trip.

A True Copy:

Edward Von Geldern,
EDWARD VON GELDERN,
2nd Lt., F. A.

[SECRET]

[1]

Subject: Coast Artillery Armament for Naval Air Station, Kaneohe Bay, Hawaiian Department.

AG 381 (7-31-41) MC-E

3rd Ind.

WAR DEPARTMENT, A. G. O., October 30, 1941.

To: Commanding General, Hawaiian Department.

1. Reference is made to:

a. Letter, this office, April 8, 1941, AG 381 (3-13-41) N-WPD, subject: Defense of Naval Air Station, Kaneohe Bay, Oahu, T. H.

b. Radio No. 320, your headquarters, September 13, 1941.

c. Letter, your headquarters, September 18, 1941, Engr. 662/4 x 662/7, subject: Provision of three (3) Panama Mount 155-mm Battery Positions and one (1) 8-inch Railway Gun Battery Position for the defense of Kaneohe Bay, Oahu, T. H.

2. The following temporary measures for the defense of the Kaneohe Bay area are approved:

a. Movement of one battery of 8" railway guns now in storage at Fort Kamehameha to Mokapu Peninsula and temporary installation at site designated by you in reference c subject to local coordination of site with the Navy.

b. Installation of two batteries 155-mm guns on Panama mounts at sites to be selected by you.

3. Immediate personnel and armament requirements will be set:

a. By the transfer to the Hawaiian Department of the following units at their allotted strengths:

(1) One battalion, 57th Coast Artillery, TD, with battalion section, supply platoon T/O 4-32), and battalion section, medical detachment (T/O 4-31), attached, less guns and fire control equipment.

(2) 95th Coast Artillery (AA), Semimobile (less one gun battalion), with armament and equipment on hand. Authority is granted for the reorganization of the 37-mm gun battalion of this regiment into three [2] 37 mm gun batteries (8 guns each) and one (1) Caliber .50 MO battery (AA) (12 guns).

b. By the local activation of one 8" railway battery (R/O 4-47) from personnel available in the Hawaiian Department.

4. Guns and fire control equipment for the battalion of 155 mm guns and the 8" railway battery will be furnished from defense reserves on hand in the Hawaiian Department. Shortages will be filled in accordance with approved War Department priorities.

5. Personnel and equipment mentioned in Paragraph 3 *a.* above will be dispatched to the Hawaiian Department by first available shipping. It is estimated that troops will begin to arrive in your department about December 1, 1941. The shipment of the major items of organizational equipment and armament for reinforcing units is dependent upon the availability of bottoms of which no accurate forecast can be made at this time.

6. Theater of operations type housing is authorized for the personnel listed in paragraph 3 above. It is desired that estimates covering housing for this increased garrison be made the subject of separate correspondence.

7. Ultimate approval of one 8" seacoast battery (fixed) in lieu of the 16" battery recommended by you, and of two 6" seacoast batteries (fixed) to replace the two batteries of 155 mm guns authorized for temporary defense is probable. The 8" seacoast guns will not be available before July, 1942, and the 6" seacoast guns not before December, 1942.

8. In view of the expected approval of fixed armament for the Kaneohe Bay Area the plan submitted by reference *c* for the installation of the 8" railway battery on Mokapu Peninsula and for the construction of 155 mm gun positions is considered too elaborate. Plans should be revised to provide for temporary installation of the 8" railway battery, and for construction of Panama mounts for two 155 mm gun batteries. Provision should be made for splinterproofing magazines and plotting room only and should be confined to that which can be constructed by field fortification methods and materials.

9. A revised project, to include detailed estimates of cost, is desired for the defense of Kaneohe Bay based on two batteries of two 6" BC guns, and one battery of two 8" BC guns, all shielded type.

[3] 10. No change in the eventual project for the antiaircraft defense of Kaneohe Bay over that prescribed for the temporary defense Paragraph 3 *a* (2) above, is contemplated.

11. Reinforcement of either the peace or war garrisons of the Hawaiian Department by additional troops for the beach and land defense of Kaneohe Bay is not contemplated at this time.

By order of the Secretary of War:

[s] E. S. ADAMS,
Major General,
The Adjutant General.

2 Incls:

#1 Memor from Ch. of Eng. to Ch. of Coast Artillery, C. of E. 662B (Oahu), August 26, 1941.

#2 1st Ind. frn Ch. of Coast Artillery, to A. C. of S, WPD 663/45-F-1, July 23, 1941. (added)

Original Incl. #1 w/d)

A true copy.

Edward Von Geldern,
EDWARD VON GELDERN,
2nd Lt., F. A.

[SECRET]

Paraphrase

Radio 320—13th

SEPTEMBER 13, 1941

THE ADJUTANT GENERAL,
Washington, D. C.

Additional funds needed to complete railway gun position project also funds needed to erect positions in Kaneohe Bay area as para four B paren two paren letter this headquarters thirty one July nineteen forty one subject coast artillery armament for naval air station Kaneohe Bay paragraph due added costs of materials and labor in this area railway gun positions in approved project could not be built with funds allotted last fiscal year Stop Estimates prepared by district engineer Honolulu aver that one hundred seventeen thousand two hundred fifty six dollars required to add to funds received last fiscal year for railway gun

positions Stop Building of positions for one four gun eight inch railway battery and three four gun one fifty five batteries in Kaneohe Bay area estimated to cost two hundred fifteen thousand two hundred sixty five dollars Stop Above amounts include direct and indirect costs and are for sites recommended as first priority by commanding general Hawaiian Coast Artillery Command in which I agree for immediate construction paragraph project will follow Stop District engine Honolulu is submitting cost estimates to chief of engineers by radio Stop Pending the receipt of this letter strongly recommend that money in amount of three hundred thirty two thousand five hundred twenty one dollars be contained in pending appropriation bill.

SHORT.

A true copy:

Edward von Geldern,
EDWARD VON GELDERN,
2nd Lt., F. A.

[SECRET]

[1] HEADQUARTERS HAWAIIAN DEPARTMENT,
OFFICE OF THE DEPARTMENT COMMANDER,
Fort Shafter, T. H., 18 September 1941.

In reply refer to:

Engr. 662/4 x 662/7

Via "Clipper" Air Mail

Subject: Provision of three (3) Panama Mount 155-mm Battery Positions and one (1) 8-inch Railway Gun Battery Position for the Defense of Kaneohe Bay, Oahu, T. H.

To: The Adjutant General, Washington, D. C.

1. References:

a. Secret letter TAG to HHD, 8 April 1941, Subject: "Defense of Naval Air Station, Kaneohe Bay, Oahu, T. H." file AG 381 (3-13-41) M-WPD, with 1st Indorsement HHD to TAG dated 18 June 1941.

b. Secret letter HHD to TAG, 5 June 1941, Subject: "War Garrison for Initial War Operation", file AG 320.3/37b, with 1st Indorsement TAG to HHD, dated 22 July 1941.

c. Secret letter HHD to TAG 31 July 1941, Subject: "Coast Artillery Armament for Naval Air Station, Kaneohe Bay", file AG 381/20.

2. Reference a. directs that the Army assumes the responsibility for the defense of the Kaneohe Bay area. A study by this headquarters of the armament requirements for the defense of Kaneohe Bay and submitted by my 1st Indorsement to reference a. requested the inclusion of the following items of Seacoast Defense Armament in the Hawaiian Defense Project for this purpose:

3 Batteries of 155-mm guns.

1 Battery of two 12-inch barbette guns with related equipment

3. A restudy of the project for the defense of the Kaneohe Bay area submitted by reference b. recommended that the following armament be provided:

Two 155-mm gun batteries

Two 6-inch fixed gun batteries of two guns each

One 16-inch long range casemated gun battery of two guns on barbette carriages.

[2] 4. A realization of the fact that it will be at least two years before these items of fixed armament, namely, the two 6-inch batteries and the one 16-inch battery, can be installed, makes it necessary that some provision be made immediately for the employment of mobile artillery to defend this area. The 1st Indorsement from The Adjutant General's Office to reference b. authorized the following additional units for the defense of Kaneohe Bay:

One battalion of Coast Artillery, 155-mm guns with one additional gun battery.

One Harbor Defense Battery.

Pending the installation of the fixed batteries, it is recommended that the Seacoast Defenses of the Kaneohe area consist of the following items of mobile artillery:

Three 155-mm gun batteries.

One 8-inch railway gun battery.

The proposed locations and fields of fire of these batteries are shown on map, Inclosure No. 1.

5. Since there is no railroad running from Honolulu to Kaneohe Bay, it will be necessary to move this railway battery to Kaneohe Bay by truck trailer, and it is proposed to install this battery on fixed mounts similar to those of Battery Granger Adams on Black Point.

6. Each of the 155-mm battery positions should include the following:

- (1) 4 Panama mounts.
- (2) 4 splinterproof ammunition shelters for 25 rounds at each gun position.
- (3) 4 gun bunkers.
- (4) 4 splinterproof personnel shelters.
- (5) 2 splinterproof propellant shelters for 150 charges each.
- (6) 2 splinterproof projectile shelters for 150 projectiles each.
- (7) 1 splinterproof plotting room.
- (8) The roads and ramps necessary for the occupation of the position.
- (9) Camouflage treatment of all the above listed installations.

Considering the urgent need for combat training and the large amount of labor required to complete field works now being constructed by the troops of this command, it is believed advisable to construct these positions by contract.

[3] 7. The cost of installation of the three batteries of 155-mm guns including the acquisition of land has been estimated at \$93,630.00. The cost of the transportation and installation of the 8-inch railway battery in an emplacement similar to that of Battery Granger Adams has been estimated at \$121,635. These estimated costs include both direct costs and indirect costs. Inclosure No. 2 is a tabular breakdown of these cost figures.

8. It is recommended that the installation of these three batteries of 155-mm guns with the necessary field fortifications and the construction of one 8-inch gun battery position be approved, and that funds in the amount of \$215,265.00 be allotted to the U. S. District Engineer, Honolulu, for construction.

WALTER C. SHORT,
Lieutenant General, U. S. Army,
Commanding.

2 Incls:

- (1) Map
- (2) Breakdown

A True copy.

Edward von Geldern,
EDWARD VON GELDERN,
2nd Lt., F. A.

[Exhibit 17]

[RECEIVED]

27 August 1911.

Desloge Brown
1st Lieutenant, Corps of Engrs.
Assistant Department Engineer.

To: The Adjutant General,
Washington, D. C.

Reurad memo Office July district engineer estimates cost of forty five hundred foot runway at three hundred thirty thousand dollars due to railroad relocation and heavy fill Stop Thirty five hundred foot runway is longest that can be provided without railway relocation Stop Reduction from thirty seven hundred feet due to bunker construction and new housing Stop Strongly recommend construction of thirty five hundred foot runway as auxiliary landing strip command forty five hundred foot economically unfeasible Stop Main runway can be used by planes requiring longer run Stop Auxiliary also needed for use while main runway is being leveled recommend immediate allotment of twenty five thousand dollars for leveling of main runway and thirty thousand seven hundred for thirty five hundred foot auxiliary runway.

SHORT.

A true copy.
Edward von Geldern,
EDWARD VON GELDERN,
2nd Lieutenant, F. A.