

Superseded Dec. 5, 1929, 662B(S.F. Barry) 19

REPORT OF COMPLETED WORKS -- SEACOAST FORTIFICATIONS
(Gun and Mortar Batteries)

COAST DEFENSES OF... SAN FRANCISCO.....
FORT... BARRY.....
BATTERY... ELMER J. WALLACE.....
No. of guns Two Caliber 12-inch Carriage Barb. 1917

Form 1 Corrected to OCT. 1, 1921.

Battery commenced	1917.	Source of electric current	Battery power plant: two, 25-k.w.sets.
Battery completed	1921.		
Date of transfer	June 24, 1921	Max. kv. required for lights	10.24 K.W.
Material of construction	Concrete	Max. kw. required for motors	14.92 K.W.
Portland or Rosendale cement	Portland		
Cost to date of transfer	\$273,464.41	Present condition of battery	Excellent.
Connected to water supply	Yes	Rooms wet or dry	Dry.
Connected to sewer	Yes	How ventilated	Natural draft.
Type of latrine	Syphon	Remarks-	
Type of data transmission	Telephone and speaking tube**		Platforms constructed 1917-1918; magazines and service rooms 1919-1921.
Trunnion elevation in battery	239.25		**Galleries provided for mechanical indicators.
Datum plane	M.L.L.W.		

ARMAMENT.

Emplacement or mortar No.	Guns or Mortars					Carriages				
	Cal	length	model	Serial No.	Manufacturer	mounted	Type	model	Serial No.	Manufacturer
1	12"	36.88'	1895M1	61	Watervl.Ars.'01	Yes.	Barb.	1917	#2	Watertown Ars.'17
2	12"	36.88'	1895M1	68	Watervl.Ars.'02	Yes.	Barb.	1917	#3	" " "
3										None
4										
5										
6										
7										
8										

Replaced by serial # 75

HOISTS.

Emplacement Number	Type	Delivery	Motor					Date of transfer	Remodeled for long points.
			Serial No.	Maker	H.P.	Volts	RPM		
1									
2									
3									
4									

NO HOIST REQUIRED

SUPERSEDED - See Form 1, Dec. 1, 1929

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(BATTERY PLAN)

CORRECTED TO JUNE 1921.

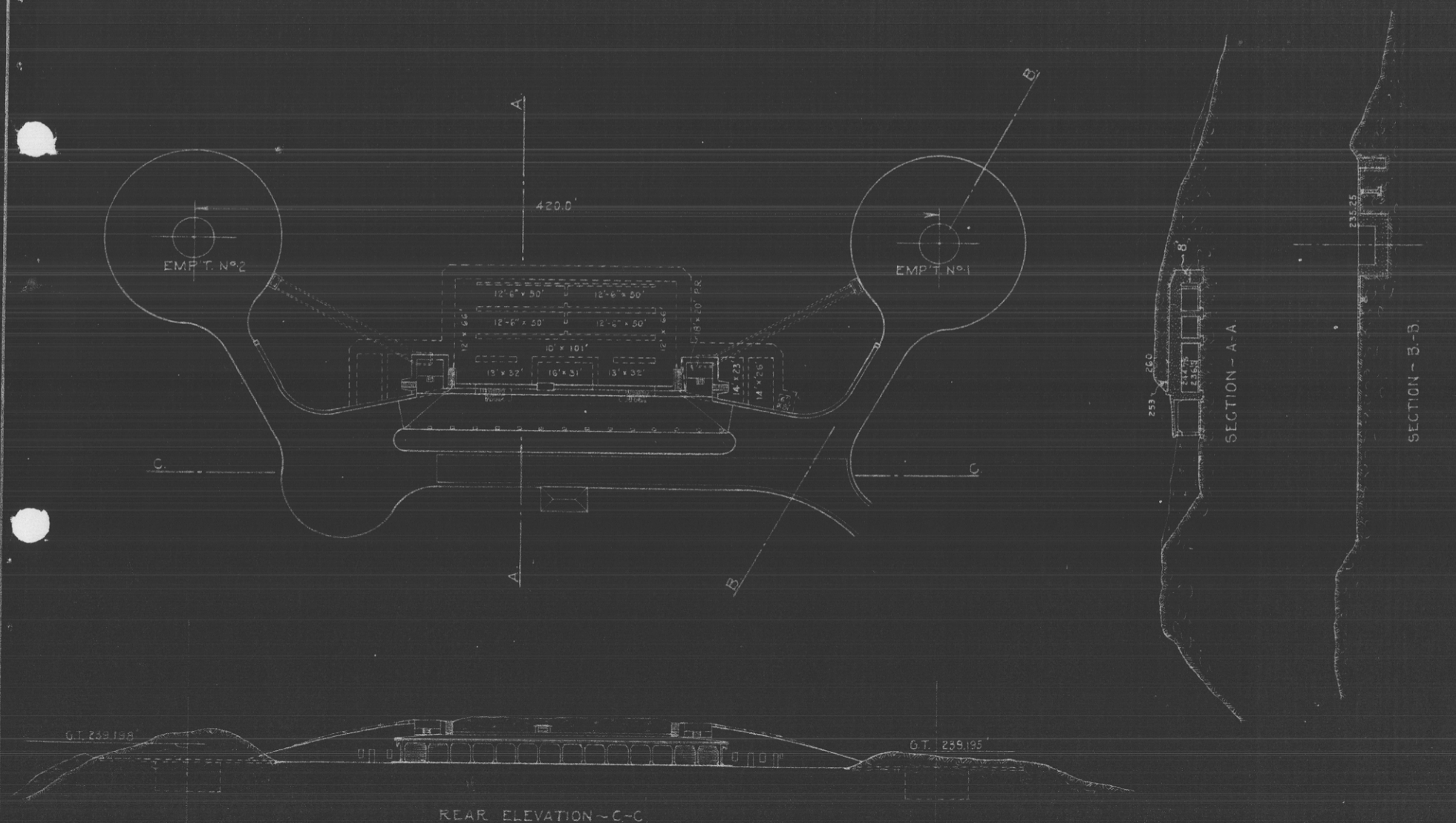
COAST DEFENSES OF SAN FRANCISCO, CAL.
FORT BARRY.

BATTERY ELMER J. WALLACE

NO. OF GUNS - 2: CALIBER - 12 IN.: BARBETTE CARRIAGE

FORM - 7

100 50 0 100 200 FT.



REPORT OF COMPLETED WORKS -- SEACOAST FORTIFICATIONS
(Gun and Mortar Batteries)

HARBOR
~~COAST~~ DEFENSES OF... SAN FRANCISCO

FORT. BARRY

BATTERY... ELMER J. WALLACE

(Barb...)

Form 1 Corrected to December 1, 1929.

No. of guns Two Caliber 12-inch Carriage (M 1917)

Battery commenced	1917 * *	Source of electric current	Battery power plant: two, 25-k.w.sets.
Battery completed	1921 *		
Date of transfer	June 24, 1921	Max. kv. required for lights	10.24 K.W.
Material of construction	Concrete	Max. kw. required for motors	14.92 K.W.
Portland or Rosendale cement	Portland		
Cost to date of transfer	\$273,464.41		
Connected to water supply	Yes	Present condition of battery	Excellent
Connected to sewer	Yes	Rooms wet or dry	Dry
Type of latrine	Syphon		
Type of data transmission	Telephone and speaking tube**	How ventilated	Natural draft
Trunnion elevation in battery	239.2	Remarks-	* Platforms constructed 1917-1918; magazines and service rooms 1919-1921.
Datum plane	M.L.L.W.		** Galleries provided for mechanical indicators

ARMAMENT.

Emplacement or mortar No.	Guns or Mortars					Carriages					
	Cal.	length	model	Serial No.	Manufacturer	mounted	Type	model	Serial No.	Manufacturer	Motor
1 -----	12"	36.88'	1895M1	61	Watervl.Ars.'01	Yes	Barb.	1917	#2	Watertown Ars.'17	None
2 -----	12"	36.88'	1895M1	75	Watervl.Ars.'03	Yes	Barb.	1917	#3	" "	" "
3											
4											
5											
6											
7											
8											

HOISTS.

Emplacement Number	Type	Delivery	Motor					Date of transfer	Remodeled for long points.
			Serial No.	Maker	H.P.	Volts	RPM		
1									
2									
3									
4									

NO HOISTS REQUIRED.

Superseded - See Form I
corrected to Dec 43

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Batteries)

HARBOR DEFENSES OF SAN FRANCISCO
FORT. Barry
BATTERY Elmer J. Wallace o. of Guns. 2...
Caliber. 12".....Carriages Barb. 1917

Part I Corrected to December 1943

GENERAL:

Battery commenced ...1917*
Battery completed...1921*
Date of transfer...June 24, 1921
Cost to date of transfer...\$273,464.41
Materials of construction...Concrete
Battery new or modernized...New (Casemated - 1943)***
(If modernized give detailed statement on reverse side)
Trunnion elevation in btry. 239.2
Datum plane.....MLW

UTILITIES:

WATER SUPPLY

Source of ...Post Supply
Alternate source.....

Size of Main.....

SEWER
Connected to sewer...Yes

Type of Disposal...Siphon

Type of Latrine.....

Remarks: -

UTILITIES (Cont'd)

ELECTRIC POWER

Battery Wallace Power Plant D.C. BY ORDNANCE
Sources of ...also Post Power (AG) & New AG (Standby)
Procured & installed by (OCE or ORD).....
Characteristics: Voltage 120...AC or DC...Phase...
No. of units and capacity...2-25 KW DC (3-156 KVA Non-Occ.)
Max. K.W. required for utilities...10.24 (old) 30 KWI
Max. K.W. required for non-battle conditions...30 KWI
Commercial power provided (yes or no)...Yes Capacity 45 KW
Auxiliary power unit provided (yes or no)...Yes Capacity (by ORD)

Type of lighting fixtures...CSF
Dehumidifying Unit...Make and capacity...Gasproofing equip. installed 1943.
Rooms Wet or Dry...Dry
How ventilated...Natural draft
How heated...Not heated

DATA TRANSMISSION

Telephone & speaking tube **
*Platforms constructed 1917 & 1918;
magazine & service rooms constructed 1919-1921
**Galleries provided for mechanical indicators.
***See reverse side for casemating & gasproofing - 1943.

REMARKS

Emplacement No.	Cal.	Length	Guns			Carriages							
			Model	Serial No.	Manufacturer	Mounted	Type	Model	Serial No.	Manufacturer	Motor		
1	12"	36.88'	1895MI	61	Watervliet Ars.	'01	Yes	Barb.	1917	2	Watertown Ars.	Installed	
2	12"	36.88	1895MI	75	"	"	'03	Yes	Barb.	1917	3	"	"
Spare tube	12"	36.88	1895MIA-2	44	---		No	---					by
Spare tube	12"	36.88	1895MIA-2	63	---		No	---					Ordnance

NO NOTICE REQUIRED

30'08	1802MIV-S EG								
30'08	1802MIV-S TV								
30'08	1802MIV-S								
30'08	1802MIV-S								

Work completed by Corps of Engineers (District Engineer), in 1942 & 1943, included only casemating of battery, with corridors, new power room, rear entrances to casemates & power rooms and installation of gasproof doors and equipment in old magazine in accordance with drawings, file 55-1-34, sheets 1 - 49 inc., and installation of prison type bunks in corridors in accordance with drawing 55-10-1.

Total cost casemating - \$758,241.67
 Cost installation bunks 2,291.00
 Work transferred - 4 January 1944

Directive: -

Ltr. dated OCE, 27 Jan 1942, subject: "Urgent War Department Construction," file AC 660.2 (12-30-41) MSC-D, also Ltr. dated OCE 7 May 1942, subject: "Modernization of Battery Wallace, Fort Barry, California", file C of E 662 B (San Francisco & Ft. Barry) SPEOF.

Additional Funds Direc. Cons. FS 299, Job No. Ft. Barry FS-2, and Direc. Consec. FS-955, Job No. San Francisco FS-12.

Summary of work to be done on Battery Wallace, California, under the above mentioned funds.

1. To be completed by the District Engineer on the basis of the following information:

- (a) The work to be done on Battery Wallace, California, under the above mentioned funds.
- (b) The work to be done on Battery Wallace, California, under the above mentioned funds.
- (c) The work to be done on Battery Wallace, California, under the above mentioned funds.
- (d) The work to be done on Battery Wallace, California, under the above mentioned funds.
- (e) The work to be done on Battery Wallace, California, under the above mentioned funds.
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- (u) The work to be done on Battery Wallace, California, under the above mentioned funds.
- (v) The work to be done on Battery Wallace, California, under the above mentioned funds.
- (w) The work to be done on Battery Wallace, California, under the above mentioned funds.
- (x) The work to be done on Battery Wallace, California, under the above mentioned funds.
- (y) The work to be done on Battery Wallace, California, under the above mentioned funds.
- (z) The work to be done on Battery Wallace, California, under the above mentioned funds.

Summary of work to be done on Battery Wallace, California, under the above mentioned funds.

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REPORT OF COMPLETED WORKS-SEACOAST FORTIFICATIONS

(Battery Plan)

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HARBOR DEFENSES OF SAN FRANCISCO, CALIFORNIA

FORT BARRY

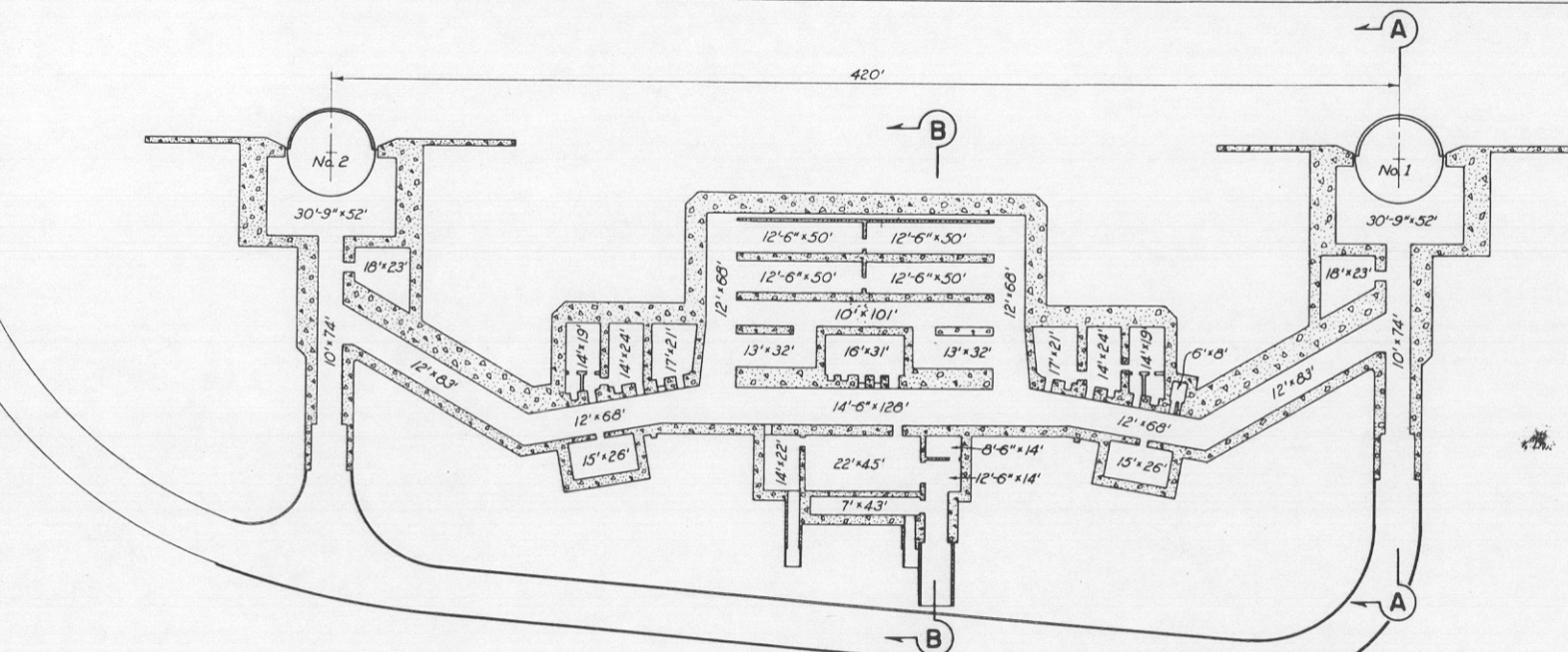
BATTERY ELMER J. WALLACE

No. of Guns - 2 : Caliber - 12 inch : Carriage - Barbette

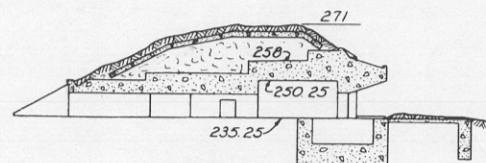
Part VII

Corrected to Oct. 1943

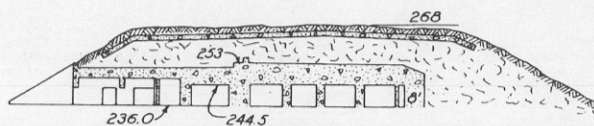
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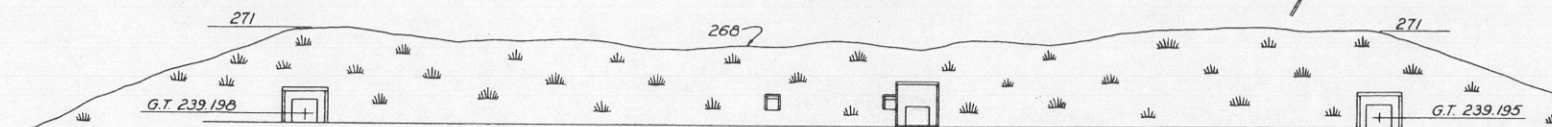
PLAN



SECTION A-A



SECTION B-B



REAR ELEVATION

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Incl #45

REPORT OF COMPLETED WORKS * SEACOAST FORTIFICATIONS
(Electric Plants)

COAST DEFENSES OF SAN FRANCISCO, CAL.

FORT BARRY

POWER FOR BATTERY E. J. WALLACE.

Form 5.

Corrected to OCT. 1, 1921

	Serial No.	Type	Size	Mfgr.	Date of transfer	Cost	Con- dition	RPM	Belt or Direct Drive	Radiator: for Engine No.	Fuel	Switchboard		
												Mater- ial	No. of Panels	
Boiler No.1														Gen. Feed
No.2														
No.3														
Engine No.1	17492	GM 12	43/54 H.P.	G.E.Co.	6/29/21	1700.	Good	560	Direct		gasln.	See	675.1	(9th C.A.)
No.2	5474	do.	do.	do.	8/ 5/10	3409.	do.	do.	do.		do.	Volts	Wire	Used for QM Power
No.3												115 DC	2	No
Generator														
No.1	923974	MPC 6	25-k.w.	do.	6/29/21	See	do.	do.	do.					
No.2	189030	do.	do.	do.	8/ 5/10	Eng #1	do.	do.	do.					
No.3						Eng #2								
Radiator														
No.1	16989	FF 54		do.	6/29/21	See	do.	1150	do.					
No.2	None			Long- Turney.	8/ 5/10	Eng #1	do.	1050	do.					
No.3						Eng #2								
Motor-generator														
No.1														
No.2														
No.3														
Sv hboard	(808 Gen. 787 "		60" x 82"	Carlton- Mace		un- known	good.					Asbestos		
Storage Battery	(473 Feed			Engr. Corp.		do						wood	2	1
Transformer						\$530.								
No.1														
No.2														
No.3														
Auxiliaries														
No.1														
No.2														
No.3														

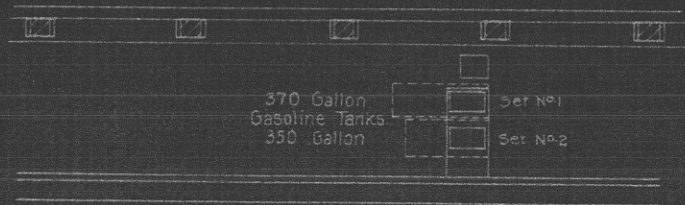
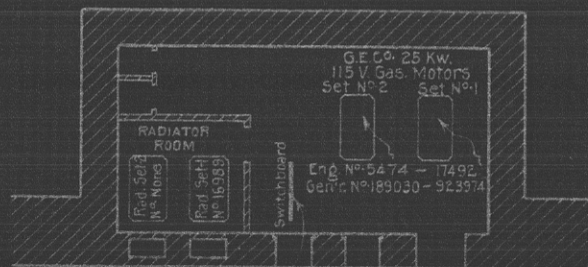
DISTRIBUTION OF K.W. --- Lights : Power : Total :
Battery Wallace --- 10.24 : *14.92 : 25.16

* Motors not yet installed.

① See 675.1 (9th C.A.) 1 :-
Set #5474 originally installed at Btry. Spencer,
moved to present position 6/29/21

POWER PLANT
BATTERY E.J. WALLACE, FT. BARRY
CALIFORNIA

SCALE: $\frac{1}{16}$ IN. = 1 FT.



NOTE: - For details of plant see
Transfer Plan 55-4-5

665 (San Francisco) CM 36,915

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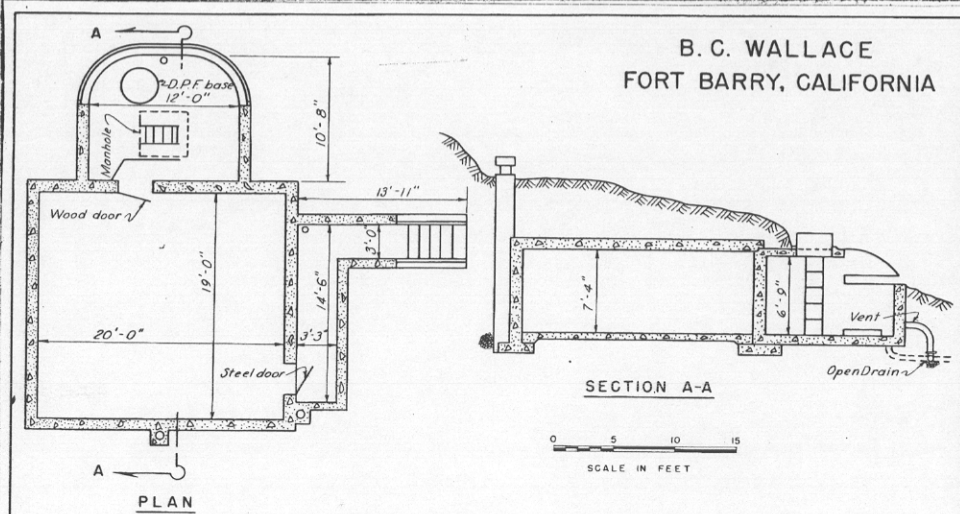
U-130

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire Control ~~on Trench Structure~~)

HARBOR DEFENSES OF... **SAN FRANCISCO**
FORT..... **BARRY, CALIFORNIA**
STRUCTURE... **B C WALLACE**

Form 2 Corrected to November 9, 1942

STRUCTURE: Location Date of transfer Cost to that date Type of construction a) Roof b) Remainder of bldg. How concealed How protected Height above concealment Height above protection Conspicuous at. 400 yards ELECTRIC CURRENT: Source of Kilowatts required Type of lighting fixtures HEAT: How heated WATER & SEWER: Connected to water mains Connected to sewer Type of latrine Permanent or temp. inst'n. Present condition REFERENCE: Reference of site Reference of inst. axis Elev. of inst. pedestal Type and capacity of crane Max. dim. of reel handled	Ft. Barry, California May 5, 1943 \$9,140.75 Reinf. concrete-steel dome Reinforced concrete Earth cover camouflaged steel dome, vegetation to be planted. Earth backfill, steel dome 1" thick. Not above concealment. Not above protection. Commercial & Power Plant Connection. One. SF-1. Heat by others. None None None Permanent Now Elev. 328.50 M.L.L.W. 327.98 - D.P.F. inst. 323.59 - D.P.F. inst. None None	INSTRUMENTS AND EQUIPMENT: Type of observing inst. Type of plotting board DATA TRANSMISSION: Type of Date of transfer Cost of data transmission equip. For tide stations give description of tide gauge For datum points give Forts from which visible For dormitories give sta. served For cable hut give S.C. type	DPF M1 Class 4, No. 190) A2 Inst. No. 108 WPB) M1 910 A1) (Installed by others) Telephone (installed by Signal Corps) G.E. Vent Fan, Cat. No. 34025 inst. in screened vent of rear room.
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