

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

COAST DEFENSES OF SAN FRANCISCO, CALIF.

FORT. BARRY

BATTERY EDWIN GUTHRIE

Form 1 Corrected to SEPTEMBER 1, 1923.

No. of guns TWO

Caliber 6-INCH

Carriage BARB. L.F.

Battery commenced-----	1903.	Source of electric current-----	Battery Plant: Two 25-k.w.gas.motor sets.
Battery completed-----	1904.	Max. kv. required for lights-----	2.66 k.w.
Date of transfer-----	June 8, 1905.	Max. kw. required for motors-----	No motors.
Material of construction-----	Concrete.	Present condition of battery-----	Good.
Portland or Rosendale cement-----	Portland.	Rooms wet or dry -----	Dry.
Cost to date of transfer-----	\$69,193.64*	How ventilated-----	Natural draft. Two 6" dia. flues from magazine extending through roof in one 10" dia. flue, terminating in metal cap.
Connected to water supply-----	Yes.	Remarks-----	*Cost of Batteries Guthrie and Smith combined.
Connected to sewer-----	Yes.		
Type of latrine-----	Syphon.		
Type of data transmission-----	Telephone.		
Trunnion elevation in battery -----	236.6		
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	Motor
1	6"	25.866'	1900	2	Watervliet Ars.	Yes	Barb.	1900	13	Rock Island Ars.	None re-
2	6"	25.866'	1900	3	do.	Yes	Barb.	1900	14	do.	quired.
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									

Superseded - see Form 1 corrected to Aug. 1943

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Batteries)

HARBOR DEFENSES OF SAN FRANCISCO
PORT Barry
BATTERY Edwin Guthrie No. of Guns Two
Caliber 6-inch Carriages Barb. L.F.

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Part I

Corrected to August 1943

GENERAL:

Battery commenced 1903
Battery completed 1904
Date of transfer June 8, 1905
Cost to date of transfer \$ 69,193.64*
Materials of construction Concrete
Battery new or modernized Modernized 1923 & 1943
(If modernized give detailed statement on reverse side)
Trunnion elevation in btry. 236.6
Datum plane MLLW

UTILITIES:

WATER SUPPLY

Source of Post Water Supply
Alternate source
Size of Main

SEWER

Connected to sewer Yes
Type of Disposal
Type of Latrine Syphon

UTILITIES (Cont'd)

ELECTRIC POWER

Sources of Battery Plant & Commercial
Procured & installed by (OCE or ORD)
Characteristics: Voltage Ac or DC Phase
No. of units and capacity 2-25 k.w. gas motor sets
Max. K.W. required for utilities 2.66 k.w.
Max. K.J. required for non-battle conditions 2.66 k.w.
Commercial power provided (yes or no) Capacity
Auxiliary power unit provided (yes or no) Yes Capacity 50 k.w.

Type of lighting fixtures See reverse side
Dehumidifying Unit No. Make and capacity for gasproofing
Rooms Wet or Dry Dry
How ventilated Natural draft Two 6" dia. flues from
How heated 14" dia. flue, terminating in metal cap.

DATA TRANSMISSION

Type Guthrie

REMARKS

*Cost of Batteries & Smith combined.
This form incorporates all information on form corrected to September 1923.
See reverse side for work completed in 1942 & 1943.

ED Form A-1624
16 Sep 35

ARMAMENT

Emplacement No.	Cal.	Length	Model	Guns		Mounted	Type	Model	Carriages	
				Serial No.	Manufacturer				Serial No.	Manufacturer
1.	6"	25.866'	1900	2	Watervliet Ars.	Yes	Barb.	1900	13	Rock Island Ars.) None
2.	6"	25.866'	1900	3	do	Yes	Barb.	1900	14	do) required.

Incl. 24

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REPORT OF COMPLETED WORKS ~ SEACOAST FORTIFICATIONS
(BATTERY PLAN)

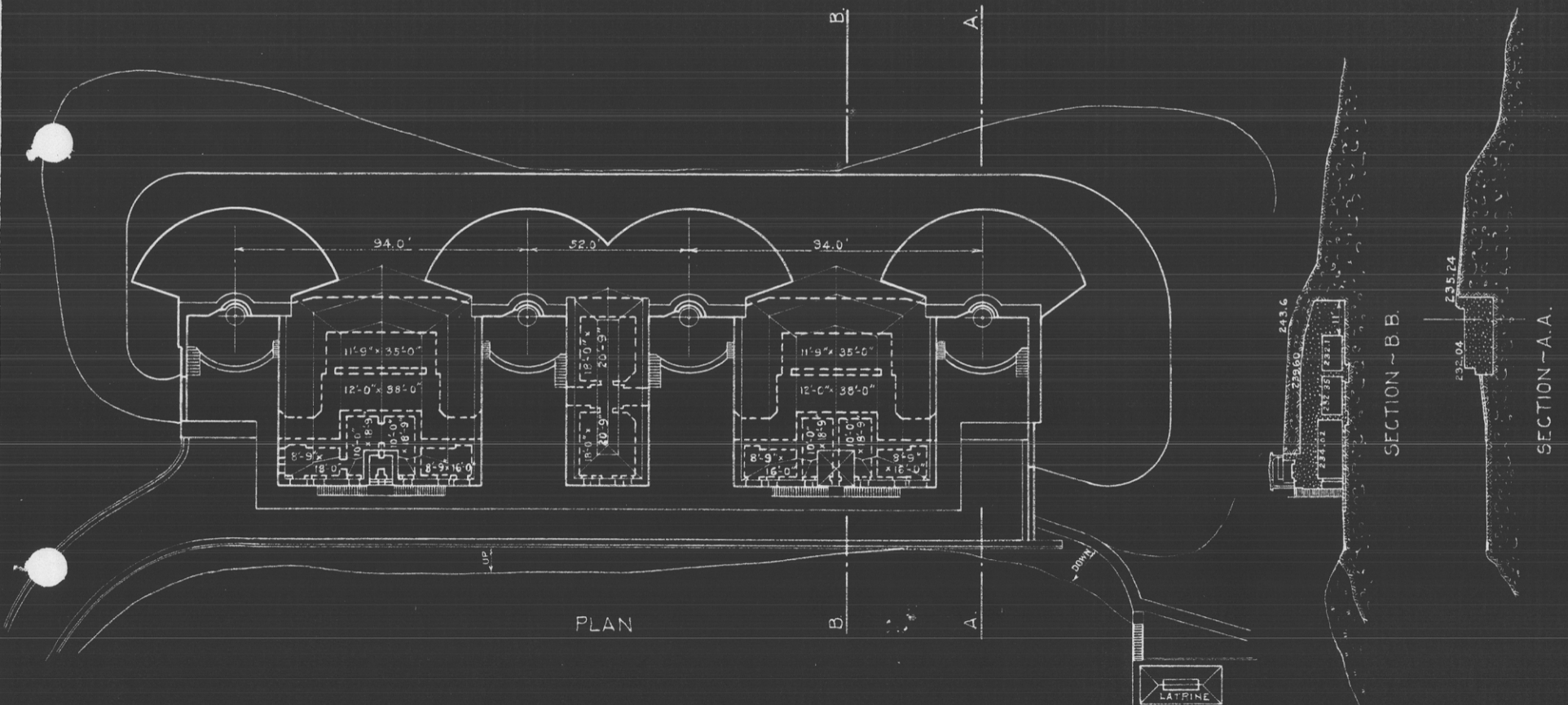
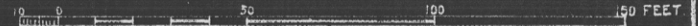
COAST DEFENSES OF SAN FRANCISCO, CAL.
FORT BARRY

BATTERIES GUTHRIE & SMITH

NO. OF GUNS ~ 4 : CALIBER-6" : BARBETTE CARRIAGE

CORRECTED TO AUG 1923.

FORM ~7



PLAN

SECTION ~ B.B.

SECTION ~ A.A.



REAR ELEVATION.

BATTERY HAMILTON A. SMITH

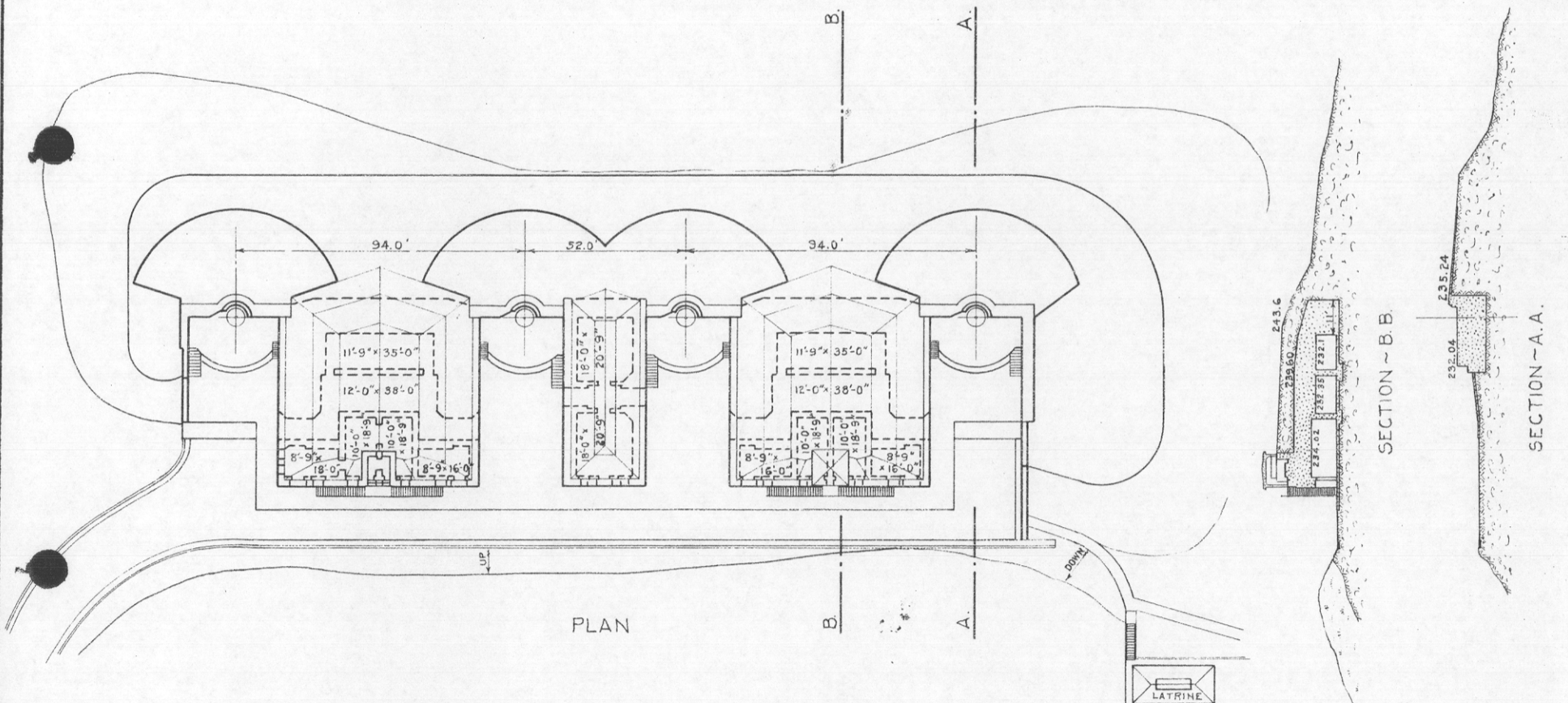
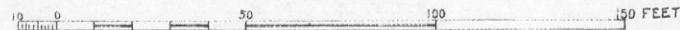
BATTERY EDWIN GUTHRIE

REPORT OF COMPLETED WORKS ~ SEACOAST FORTIFICATIONS
 (BATTERY PLAN)

CORRECTED TO AUG 1923.

COAST DEFENSES OF SAN FRANCISCO, CAL.
 FORT BARRY
 BATTERIES GUTHRIE & SMITH
 NO. OF GUNS ~ 4 : CALIBER-6" BARBETTE CARRIAGE

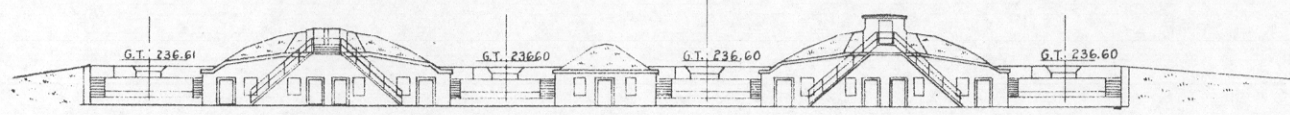
FORM ~ 7



PLAN

SECTION ~ B.B.

SECTION ~ A.A.



REAR ELEVATION.

BATTERY HAMILTON A. SMITH

BATTERY EDWIN GUTHRIE

REPORT OF COMPLETED WORKS-SEACOAST FORTIFICATIONS. HARBOR DEFENSES OF SAN FRANCISCO

(Battery Plan)

CONFIDENTIAL

FORT BARRY, CALIF.

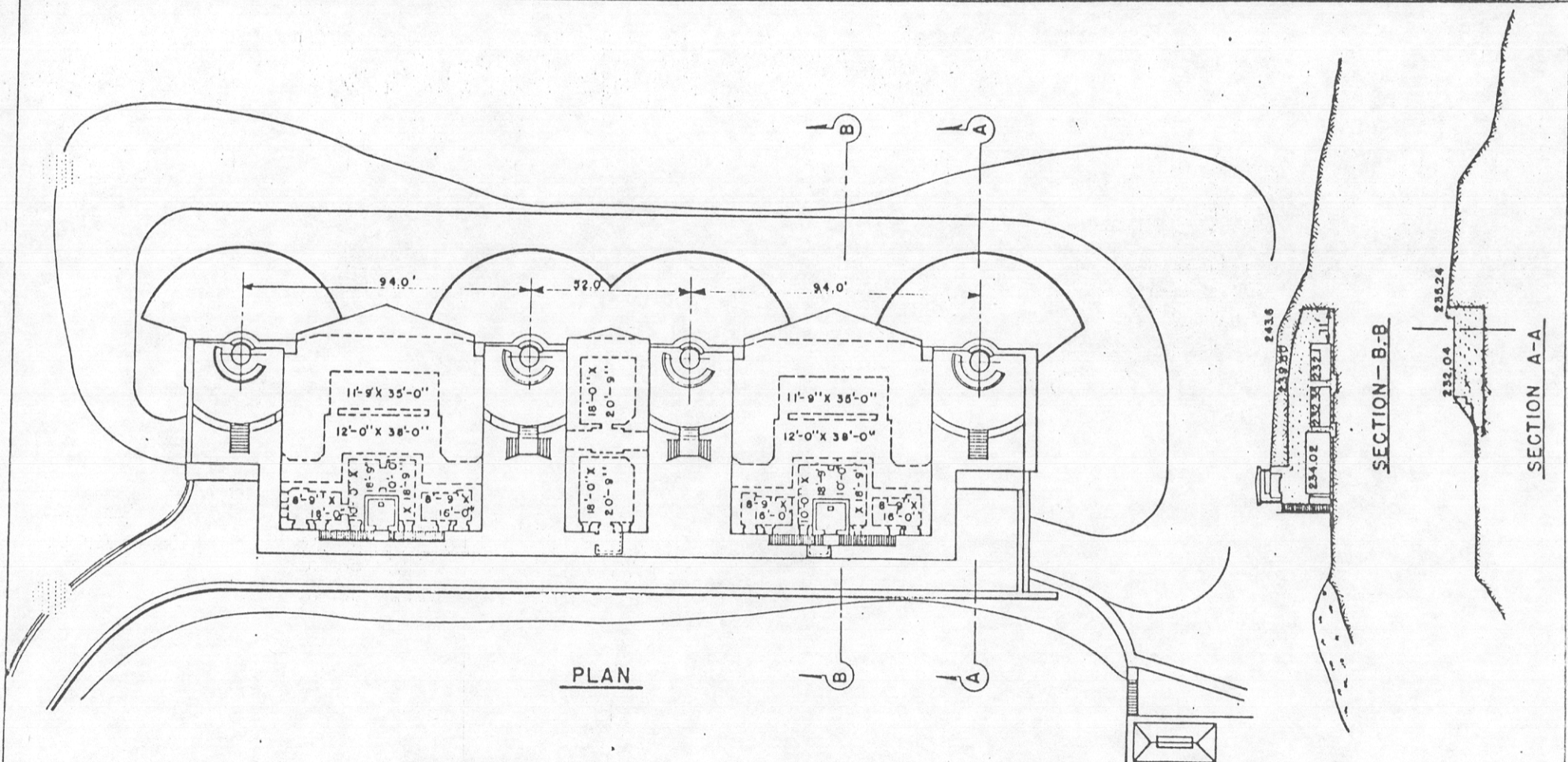
BATTERIES GUTHRIE & SMITH

No. of Guns- 4 · Caliber- 6" · Barbette Carriage

Corrected to Dec. 1943.

Part VII

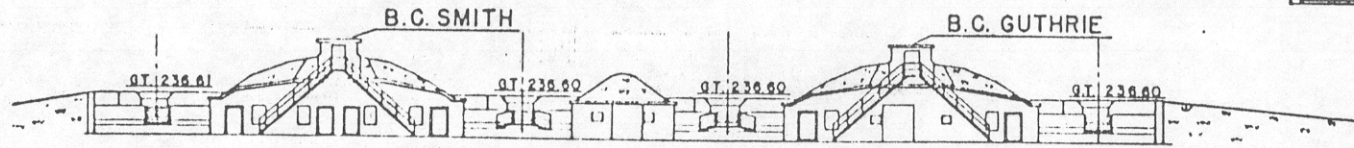
0 50 100 150 FT



PLAN

SECTION B-B

SECTION A-A



REAR ELEVATION

CONFIDENTIAL

BATTERY HAMILTON SMITH

BATTERY EDWIN GUTHRIE

NOTE: See reverse side this form for modification completed in 1942 & 1943.

COAST DEFENSES OF San Francisco, California

FORT Barry BATTERY Edwin Guthrie NO. OF GUNS: 4 CALIBER: 6"

	EMPLACEMENT NUMBER 1.		EMPLACEMENT NUMBER 2.		EMPLACEMENT NUMBER 3.		EMPLACEMENT NUMBER 4.	
	1-a. Azimuth.	272° 23 1/2'		145° 31 3/4'		145° 31 3/4'		145° 31 3/4'
b. Distance.	2592'		94'		52'		94'	
2-a. Model of Gun.	1900		1900		1900		1900	
b. " " Carriage.	1900		1900		1900		1900	
c. Type of " "	Non-dis.		Non-dis.		Non-dis.		Non-dis.	
3- Elevations of.								
a. Gun trunnions (in battery).	236.60		236.60		236.60		236.60	
b. Interior crest.	234.55		234.55		234.55		234.55	
c. Loading platform.	227.35		227.35		227.35		227.35	
4- Angle of depression.	4° 00'		4° 00'		4° 00'		4° 00'	
5- Limiting azimuths of field of fire as determined by:	FROM.	TO.	FROM.	TO.	FROM.	TO.	FROM.	TO.
	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0
a. Construction of emplacement.	342° 00'	128° 15'	341° 00'	128° 30'	341° 00'	128° 30'	342° 00'	126° 00'
b. Interference by adjacent emplacements.	No interference.							
c. Interference of other obstacles external to emplacement.	359° 30'	18° 30'	357° 00'	18° 00'	356° 00'	17° 45'	357° 00'	20° 00'
d. Position of Ordnance stops.	356° 30'	119° 00'	357° 00'	109° 00'	356° 15'	128° 30'	357° 00'	126° 00'

NOTES.

1. Azimuth and distance of emplacement No. 2 are given with reference to No. 1; of No. 3, with reference to No. 2, etc. Azimuth and distance of No. 1, are given with reference to Rodeo { Latitude - 37° 49' - 1195.6 meters.
Longitude - 122° 31' - 511.7 "
3. Above plane of M. L. L. W.
- 5-c. Nature of obstacles: Slopes of Battery Mendell and the topography of North Bonita Hill.
- 2-c. Use one of following abbreviations or designations: Dis.; Nondis.; Alt. gun-lift; Turret; Casemate; Ped.; B.P.

REPORT OF COMPLETED WORKS -- SEACOAST FORTIFICATIONS.
(Fire control or Torpedo Structures)

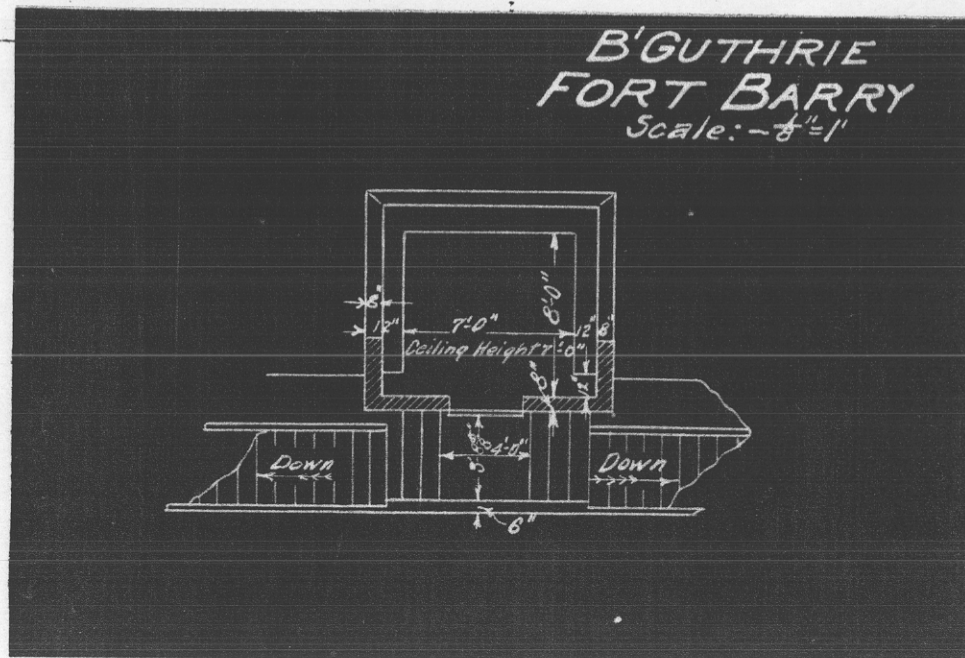
COAST DEFENSES OF SAN FRANCISCO.
FORT. BARRY.
STRUCTURE. B. (GUTHRIE).

1920

Form 2.

Corrected to MARCH 1, 1920

Location	At rear traverse between Emplacement #1 and 2.	Type of data transmission	Telephone.
Date of transfer	November 11, 1910.	Date of transfer	
Cost to that date	MODIFICATIONS \$1,490.00	Cost of data transmission	
Type of construction		equipment	Installed by Signal Corps
(a) Roof	Concrete.	For tide stations give descrip-	
(b) Remainder of bldg.	Concrete.	tion of tide gauge	
How concealed	Earth parapet.	For datum points give Forts	
How protected	Earth parapet.	from which visible	
Heights above concealment	3.8	For dormitories give	
Heights above protection	3.8	stations served	
Conspicuous at 1500 yards	from sea.	For cable hut give	
Source of electric current	Battery Guthrie power	3-C-Type	
Kilowatts required	.12 k.w. plant.		
Type of lighting fixtures	w.t. iron conduit wiring		
How heated	Not heated.		
Connected to water mains	No.		
Connected to sewer	No.		
Type of latrine	Use battery latrine.		
Permanent or temporary			
installation	Permanent.		
Present condition	Good.		
Reference of site	241.38		
Reference of instrument			
axis	246.4 above M.L.L.W.		
Type of observing inst.	Swasey D.P. ^F . Type A.		
Type of plotting board			
Type and capacity of crane			
Max. dimensions of reel handled			



REPORT OF COMPLETED WORKS * SEACOAST FORTIFICATIONS
(Electric Plants)

COAST DEFENSES OF SAN FRANCISCO, CAL.
FORT BARRY.

POWER FOR BATTERIES GUTHRIE, ALEXANDER AND O'ROKKE.

Form 5.

Corrected to OCT.1, 1921

	Serial No.	Type	Size	Mfr.	Date of transfer	Cost	Con- dition	RPM	Belt or Direct Drive	Radiator for Engine No.	Fuel	Switchboard			
												Material	No. of Panels	Gen. Feed	
Boiler No.1															
No.2															
No.3															
Engine No.1	5459	GM 12	43/54 H.P.	G.E.Co.	11/11/10	----- \$7,221.70 -----	Good	560	Direct		gasln.	Volts	Wire	Used for QM Power	
No.2	5456	do.	do.	do.	do.		do.	do.	do.		do.	115 DC	2	No	
No.3					do.		do.	do.	do.		do.	115 DC	2	No	
Generator															
No.1	183195	MPC 6	25-k.w.	do.	do.			do.	do.	do.					
No.2	183194	do.	do.	do.	do.			do.	do.	do.					
No.3								do.	do.	do.					
Radiator															
No.1	None			Long-	do.			do.	1050	do.	1				
No.2	do.			Turney	do.			do.	do.	do.	2				
No.3				do.	do.		do.	do.	do.						
Motor-generator															
No.1															
No.2															
No.3															
Switchboard	44	M	60"x 82"	Taunton New Bed- ford Cop- per Co.	do.		do.					Marble	2	1	
Storage Battery															
Transformer															
No.1															
No.2															
No.3															
Auxiliaries															
No.1															
No.2															
No.3															

DISTRIBUTION OF K.W.

	Light	Power	Total
Battery Guthrie	5.0	.0	5.0
Battery Alexander	8.2	.0	8.2
Battery O'Rorke	2.5	.0	2.5
Switchboard room	.4	.5	.9
TOTAL	16.1	.5	16.6

