

FORT	CHESTER		
BATTERY	THREE	12-INCH	1 barb
No. of guns		Caliber	2 dis.
		Carriage	1. P.

BATTERY.....THREE.....12-INCH.....1
No. of guns.....Caliber.....Carriage.....

Remarks-

HOISTS.

[illegible]

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

COAST DEFENSES OF SAN FRANCISCO, CALIF.

FORT. MILEY

* BATTERY... CHESTER

No. of guns THREE

Caliber 12-INCH

Carriage 1 barb.
2 dis.

Form 1 Corrected to SEPTEMBER 1, 1923.

Battery commenced	1899	1902	Source of electric current	Battery Plant: Three 25-k.w.gas.motor sets.
Battery completed	1901	1903		
Date of transfer	Sept. 26, 1902.		Max. kv. required for lights	10-k.w.
Material of construction	Concrete.		Max. kw. required for motors	28.78 k.w.
Portland or Rosendale cement	Portland.			
Cost to date of transfer	\$165,919.39		Present condition of battery	Good.
Connected to water supply	Yes.		Rooms wet or dry	Dry.
Connected to sewer	Yes.		How ventilated	Natural draft. 8" terra cotta flues, from
Type of latrine	Syphon.			magazines, terminating at rear wall under
Type of data transmission	Telephone.			splinterproof.
Trunnion elevation in	(#1 & 2--338.3		Remarks-	
battery	(#3--319.9			
Datum plane	M.L.L.W.			

ARMAMENT.

Emplacement or mortar No.	Guns or Mortars				mounted	Carriages				
	Cal.	length	model	Serial No.		Type	model	Serial No.	Manufacturer	Motor
1	12"	36.883'	1888MI	17	Yes	Dis.	1897	26	Watertown Ars.	Retracting
2	12"	36.883'	1888MI	40	Yes	Dis.	1897	27	do.	do.
3	12"	36.883'	1888MI	3	Yes	Non-dis.	1892	28	do.	None re- quired.
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	T-R	Back	51	G.E.Co.	7½	110	800	Sept. 30, 1916.	Yes
2	T-R	do.	52	do.	7½	110	800	do.	Yes
3	T-R	do.	53	do.	7½	110	800	do.	Yes
4									

* Salvage of armament directed by AG 7/24/43 - 400.93 (San Francisco) CM 53785

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS (BATTERY PLAN)

COAST DEFENSES OF SAN FRANCISCO, CAL.
FORT MILEY, CAL.

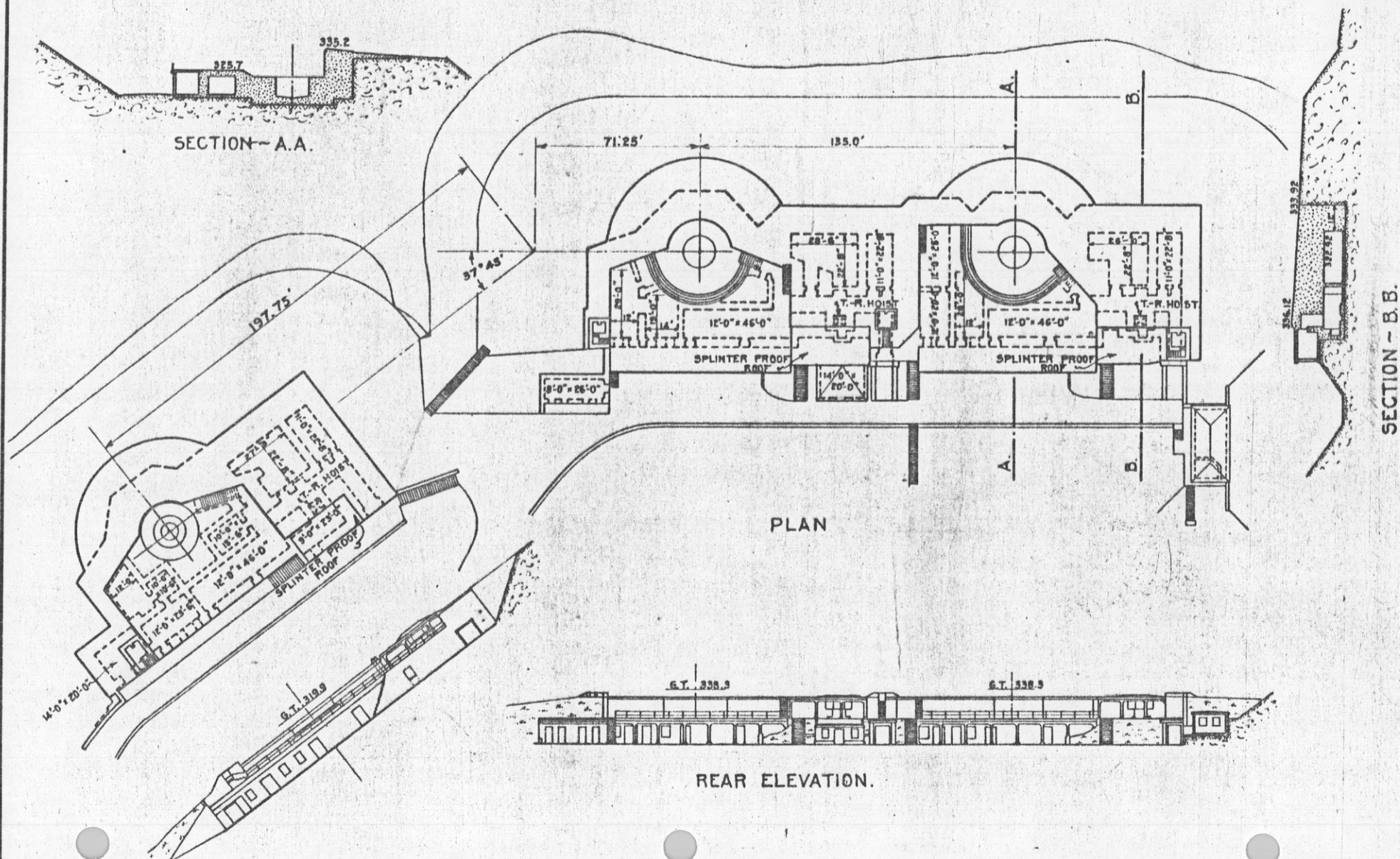
BATTERY JAMES CHESTER

NO. OF GUNS 3: CALIBER 12" : 2 DISAPPEARING CARRIAGES
1 NONDISAPPEARING CARRIAGE

CORRECTED TO DEC. 1919.

FORM-7

10 0 50 100 150 FEET.



COAST DEFENSES OF San Francisco, California

FORT Miley BATTERY James Chester No. of GUNS: 3 CALIBER: 12"

	EMPLACEMENT NUMBER 1.	EMPLACEMENT NUMBER 2.	EMPLACEMENT NUMBER 3.	EMPLACEMENT NUMBER 4.
1-a. Azimuth. _____	<u>274° 02$\frac{3}{4}$'</u>	<u>180° 00'</u>	<u>151° 40$\frac{1}{2}$'</u>	
b. Distance. _____	<u>416'</u>	<u>135'</u>	<u>257.7</u>	
2-a. Model of Gun. _____	<u>1895</u>	<u>1895</u>	<u>1888 M11</u>	
b. " " Carriage _____	<u>1897</u>	<u>1897</u>	<u>1892</u>	
c. Type of " _____	<u>Dis.</u>	<u>Dis.</u>	<u>Non Dis.</u>	
3- Elevations of. _____				
a. Gun trunnions (in battery) _____	<u>338.3</u>	<u>338.3</u>	<u>319.9</u>	
b. Interior crest. _____	<u>335.2</u>	<u>335.2</u>	<u>316.2.</u>	
c. Loading platform. _____	<u>325.7</u>	<u>325.7</u>	<u>308.9</u>	
4- Angle of depression. _____	<u>4° 23'</u>	<u>5° 54'</u>	<u>5° 04'</u>	
5- Limiting azimuths of field of fire as determined by: } a. Construction of emplacement. _____	FROM. TO. FROM. TO. FROM. TO. FROM. TO.			
b. Interference by adjacent emplacements. } c. Interference of other obstacles external to emplacement. } d. Position of Ordnance stops. _____	<u>01</u> <u>01</u> <u>01</u> <u>01</u> <u>01</u> <u>01</u> <u>01</u> <u>0</u>			
	<u>33° 36'</u> <u>200° 00'</u> <u>17° 30'</u> <u>157° 54'</u> <u>133° 12'</u> <u>349° 12'</u>			
		<u>No interference</u>		
		<u>No obstacles.</u>		
	<u>33° 42'</u> <u>200° 00'</u> <u>17° 36'</u> <u>157° 48'</u> <u>133° 18'</u> <u>346° 10'</u>			

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 Cement { Latitude ~ 37° 46' ~ 1833.1 meters. Longitude ~ 122° 30' ~ 586.0 "

3. Above plane of M. L. L. W.

5-c. Nature of obstacles: No obstacles.

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
(Electric Plants)

COAST DEFENSES OF SAN FRANCISCO, CAL.

FORT MILEY

POWER FOR BATTERY CHESTER.**

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	
Boiler No.1													Gen.	Feed
No.2														
No.3														
Engine No.1	10961	GM 12	43/54 H.P.	G.E.Co.	3/21/16		Good	560	Direct		gas.	See 675.1	(9th C.A.)	
No.2	10882	do.	do.	do.	9/8/15		do.	do.	do.		do.	115 DC	2	No
No.3	25	do.	do.	do.	2/1/10		Fair	do.	do.		do.	115 DC	2	No
Generator														
No.1	448810	MPC 6	25-k.w.	do.	3/21/16		Good	do.	do.					
No.2	448739	do.	do.	do.	9/8/15		do.	do.	do.					
No.3	176892	do.	do.	do.	2/1/10		do.	do.	do.					
Radiator														
No.1	10310	FF 54		do.	3/21/16		do.	1150		1				
No.2	10248	FF 54		do.	9/8/15		do.	1150		2				
No.3	None			Lang- Turney.	2/1/10		do.	1050		3				
Motor-generator														
No.1														
No.2														
No.3														
Sw. chboard	153-141		100"x 82"	Taunton New Bedford Copper Co.	141 3/28/13 153 3/21/16							Marble	3	2
Stage Battery														
Transformer														
No.1														
No.2														
No.3														
Auxiliaries														
No.1														
No.2														
No.3														

DISTRIBUTION OF K.W.

	Light	Power	TOTAL
Battery Chester, -----	9.8	28.8	38.6
Battery Call, -----	.7	.0	.7
5 F.C.Stations, -----	5.0	.0	5.0
Abandoned sw.bd.rm. -----	1.1	.0	1.1
TOTAL -----	16.6	28.8	45.4

**Plant can also furnish reserve
current to 60-inch Searchlights Nos.3 & 4.

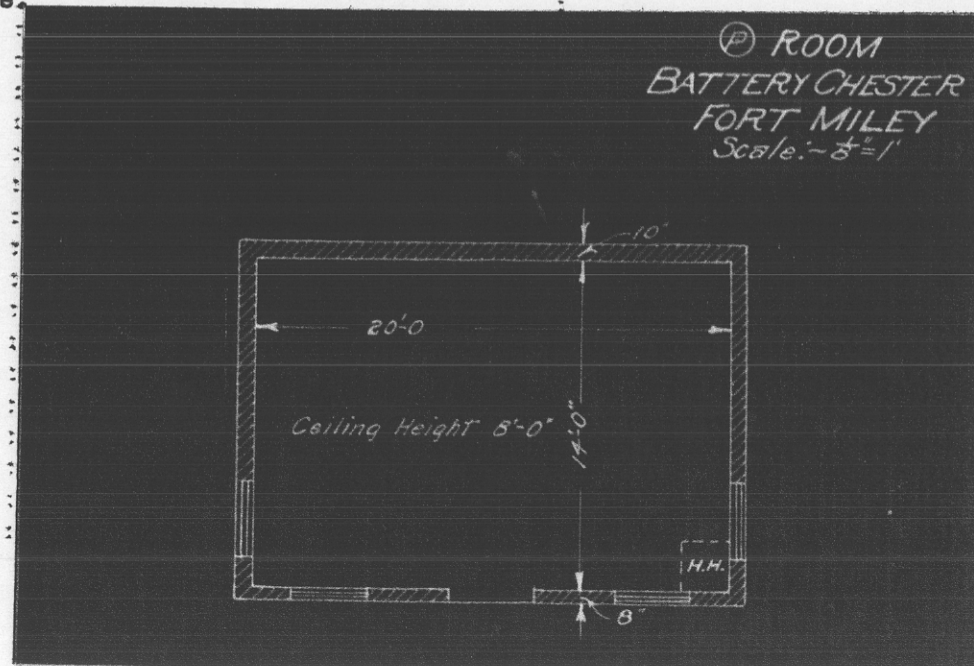
REPORT OF COMPLETED WORKS -- SEACOAST FORTIFICATIONS.
(Fire control or Torpedo Structures)

COAST DEFENSES OF SAN FRANCISCO.
FORT. MILEY.
STRUCTURE. PLOTTING ROOM CHESTER.

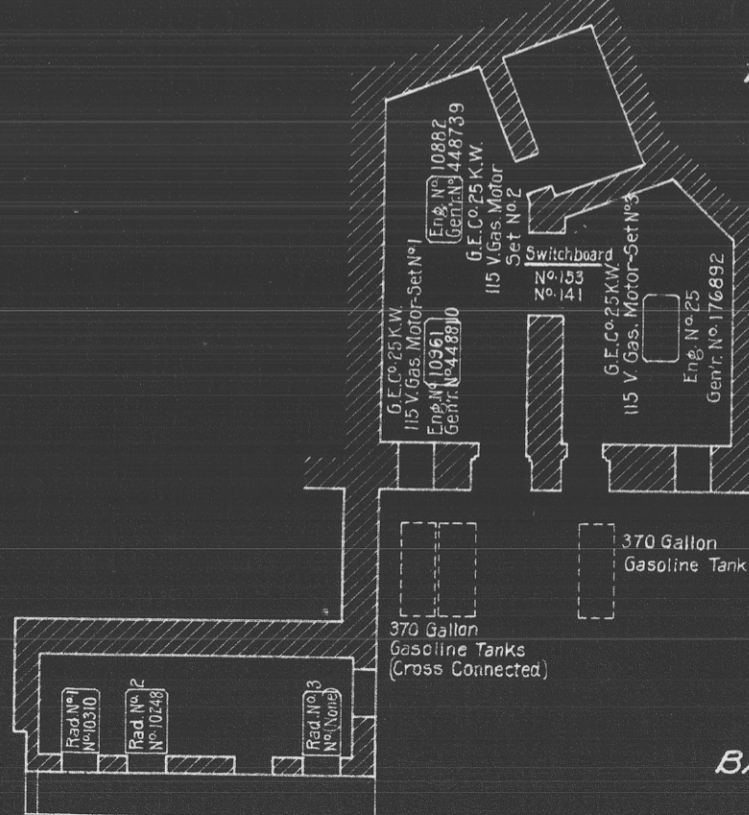
Form 2.

Corrected to **MAR 1 - 1920**
~~March 31, 1919~~

Location	In rear ^{of} traverse between Emp. #1 and 2, Baty Chester.	Type of data transmission	Telephone and speaking tube.
Date of transfer built	1914.	Date of transfer	With structure.
Cost to that date	* \$2070. approx.	Cost of data transmission equipment	
Type of construction		For tide stations give description of tide gauge	
(a) Roof	Concrete.	For datum points give Forts from which visible	
(b) Remainder of bldg.	Concrete.	For dormitories give stations served	
How concealed	By parapets and traverses of Empts. 1 and 2 of baty.	For cable hut give S.C. Type	
How protected	ditto.		
Heights above concealment	Not above concealment.		
Heights above protection	Not above protection.		
Conspicuous at _____ yards	Not conspicuous from sea.		
Source of electric current	Baty Chester Power Plant.	*Constructed in conjunction with extending loading platforms.	
Kilowatts required	.72 k.w.		
Type of lighting fixtures	W.T. fixtures & arm. cable.		
How heated	Not yeated.		
Connected to water mains	Yes.		
Connected to sewer	Yes.		
Type of latrine	Battery Latrine.		
Permanent or temporary installation	Permanent.		
Present condition	Good.		
Reference of site	318.0 (M.L.L.W.)		
Reference of instrument axis			
Type of observing inst.			
Type of plotting board	W.H. Model 1904 - Gun.		
Type and capacity of crane			
Max. dimensions of reel handled			



*EMP'T. POWER PLANT
BATTERY CHESTER, FT. MILEY
SAN FRANCISCO, CAL.*



*EMP'T. POWER PLANT
BATTERY CHESTER, FT. MILEY
SAN FRANCISCO, CAL.*

NOTE:- For details of plant see Transfer Plan 16-4-14 E.D. 38970/451

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