

REPORT OF COMPLETED WORKS ~ SEACOAST FORTIFICATIONS
(BATTERY PLAN)

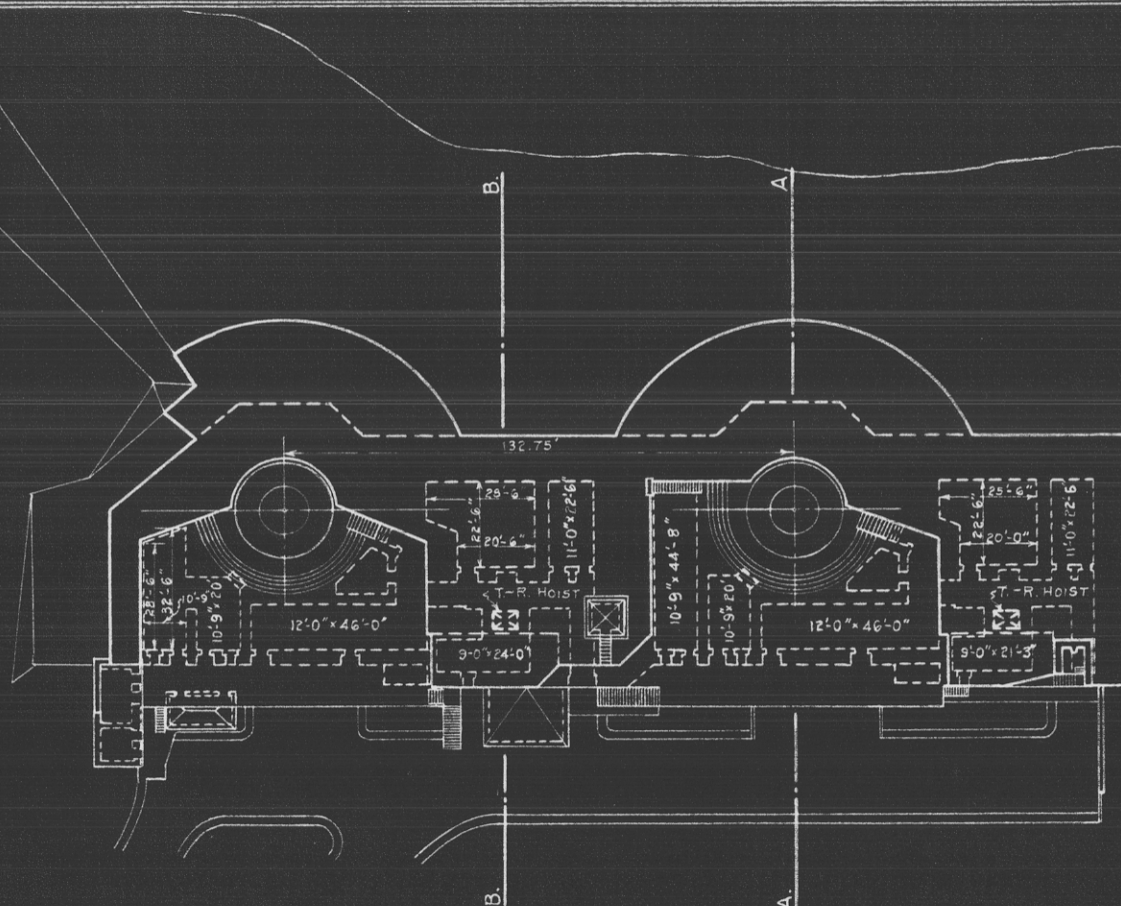
COAST DEFENSES OF SAN FRANCISCO, CAL.
FORT BARRY
BATTERY MENDELL

CORRECTED TO DEC. 1919.

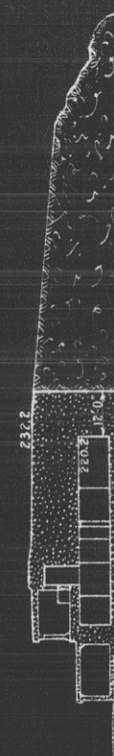
NO. OF GUNS ~ 2 : CALIBER ~ 12" : DISAPPEARING CARRIAGE

FORM ~ 7

10 0 50 100 150 FEET



PLAN.



SECTION ~ A.A.

SECTION ~ B.B.



REAR ELEVATION.

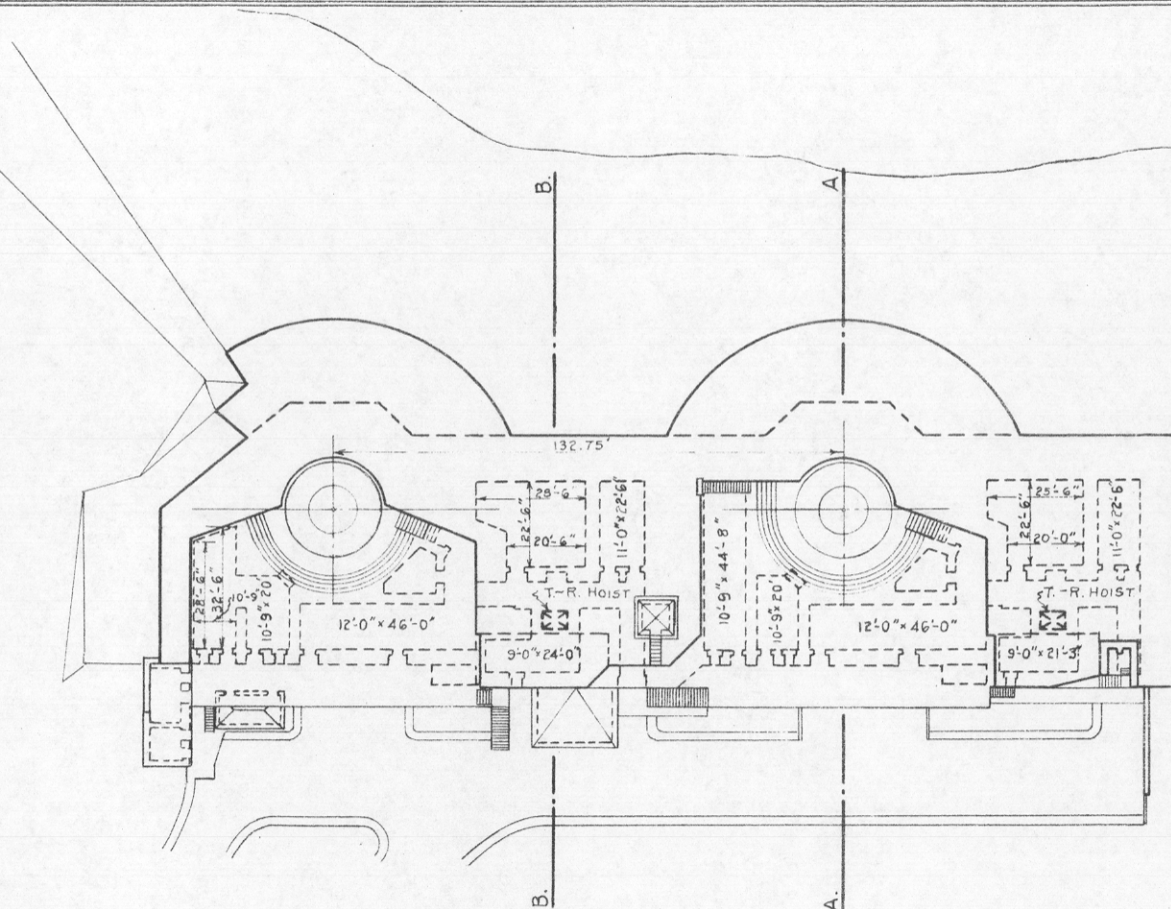
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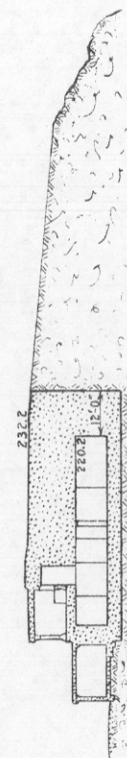
COAST DEFENSES OF SAN FRANCISCO, CAL.
FORT BARRY
BATTERY MENDELL
NO. OF GUNS ~ 2 : CALIBER ~ 12" : DISAPPEARING CARRIAGE

FORM ~ 7

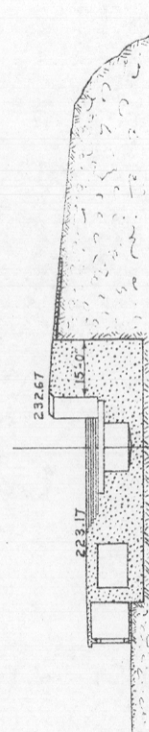
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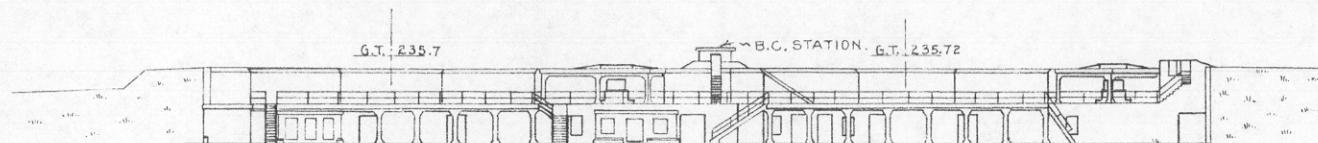
PLAN.



SECTION ~ B.B.



SECTION ~ A.A.



REAR ELEVATION.

COAST DEFENSES OF San Francisco, California

FORT Barry BATTERY Mendell NO. OF GUNS: 2 CALIBER: 12"

	EMPLACEMENT NUMBER 1.	EMPLACEMENT NUMBER 2.	EMPLACEMENT NUMBER 3.	EMPLACEMENT NUMBER 4.
1-a. Azimuth. _____	<u>232° 54$\frac{3}{4}$'</u>	<u>300° 30$\frac{1}{2}$'</u>		
b. Distance. _____	<u>3044</u>	<u>133</u>		
2-a. Model of Gun. _____	<u>1895</u>	<u>1895</u>		
b. " " Carriage. _____	<u>1897</u>	<u>1897</u>		
c. Type of " _____	<u>Dis.</u>	<u>Dis.</u>		
3- Elevations of. _____				
a. Gun trunnions (in battery) _____	<u>235.7</u>	<u>235.7</u>		
b. Interior crest. _____	<u>233.0</u>	<u>233.0</u>		
c. Loading platform. _____	<u>222.9</u>	<u>222.9</u>		
4- Angle of depression. _____	<u>3° 54'</u>	<u>3° 54'</u>		
5- Limiting azimuths of field of fire as determined by: _____				
a. Construction of emplacement. _____	FROM. 0 1 TO. 0 1 FROM. 0 1 TO. 0 1 FROM. 0 1 TO. 0 1	FROM. 0 1 TO. 0 1 FROM. 0 1 TO. 0 1 FROM. 0 1 TO. 0 1		
b. Interference by adjacent emplacements. _____	<u>No interference</u>			
c. Interference of other obstacles external to emplacement. _____	<u>319° 38'</u>	<u>353° 26'</u>		
d. Position of Ordnance stops. _____	<u>290° 24'</u>	<u>125° 24'</u>		
	<u>319° 38'</u>	<u>None filled</u>	<u>321° 36'</u>	<u>29° 46'</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 Podeo { Latitude - 37° 49' - 1195.6 meters. " Longitude - 122° 31' - 511.7 }
3. Above plane of M. L. L. W.
- 5-c. Nature of obstacles: Gun #1. - Topography of North Bonita Hill and Point Bonita Ridge
Gun #2 - Topography & structures on Point Bonita Ridge.
- 2-c Use one of following abbreviations or designations: Dis.; Nondis.; Alt. gun-lift; Turret; Casemate; Ped.; B.P.

Obsolete

~~HARBOR~~

DEFENSES OF SAN FRANCISCO.

FORT.. **BARRY**

STRUCTURE.. **PLOTTING ROOM, BATTERY MENDELL.**

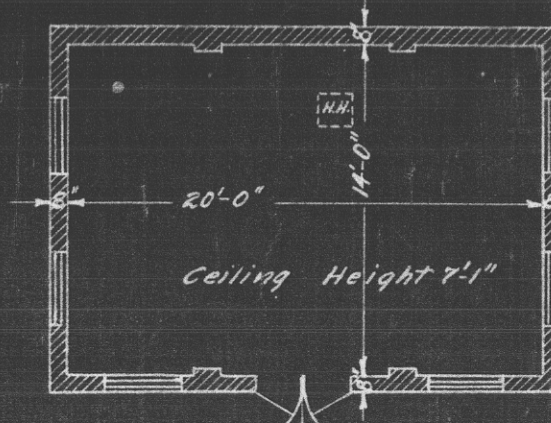
REPORT OF COMPLETED WORKS -- SEACOAST FORTIFICATIONS.
(Fire control or Torpedo Structures)

Form 2.

Corrected to NOV 1 1942

Location	In rear of traverse between Emps. #1 and 2, Battery Mendell.	Type of data transmission	Telephone and speaking tube.
Date constructed built	1914.	Date of transfer	
Cost to that date	*\$1,800.00 approx.	Cost of data transmission equipment	
Type of construction		For tide stations give description of tide gauge	Installed by Signal Corps.
(a) Roof	Concrete.	For datum points give Forts from which visible	
(b) Remainder of bldg.	Concrete.	For dormitories give stations served	
How concealed	By center traverse and parapets of battery.	For cable hut give S.C. Type	
How protected	By center traverse and parapets of battery.	*Constructed in conjunction with extending loading platforms.	
Heights above concealment	Not above concealment.		
Heights above protection	Not above protection.		
Conspicuous at _____ yards	Not visible from sea.		
Source of electric current	Baty. Mendell Power plant.		
Kilowatts required	172		
Type of lighting fixtures	W.T. Fixtures & arm. cable.		
How heated	Not heated.		
Connected to water mains	Yes.		
Connected to sewer	Yes.		
Type of latrine	Use battery latrine.		
Permanent or temporary installation	Permanent.		
Present condition	Good.		
Reference of site	212.0		
Reference xxxxxxxxxxxx datum	MLLW		
Type of observing inst.			
Type of plotting board	110° Model 1915.		
Type and capacity of crane			
Max. dimensions of reel handled			

Ⓢ BATTERY MENDELL
FORT BARRY
Scale: 1/8" = 1'



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

1920

Form 2.

Corrected to MARCH 1, 1920

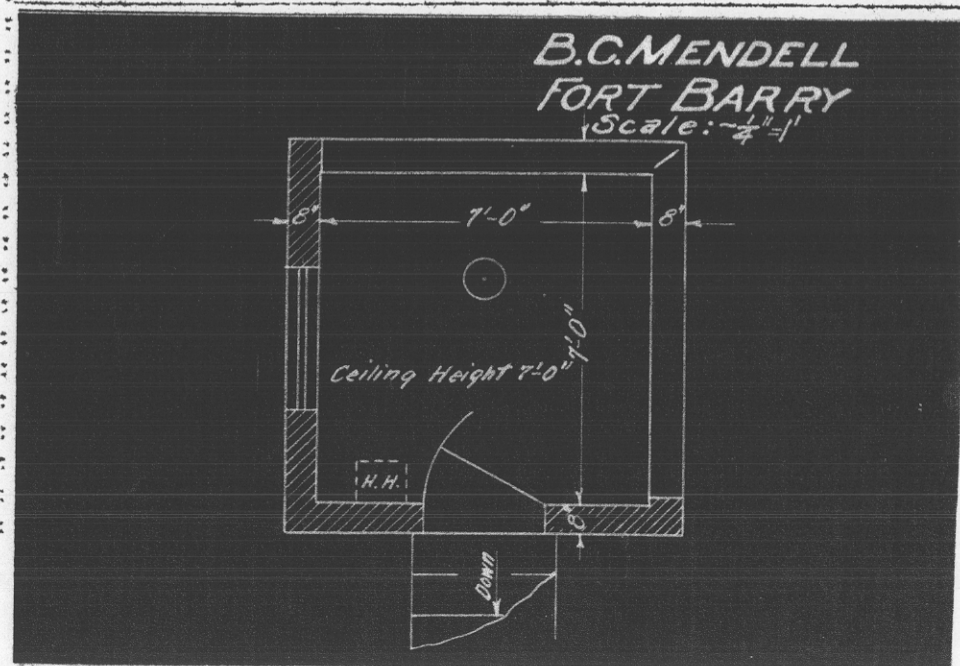
COAST DEFENSES OF SAN FRANCISCO.

FORT. BARRY.

STRUCTURE. B. C. (MENDELL).

obsolete

Location-----	At rear of traverse between Emp. #1 and 2, Battery Mendell.	Type of data transmission -----	Telephone and speaking tube.
Date of transfer-----	Nov. 11, 1910.	Date of transfer-----	
Cost to that date-----	MODIFICATIONS \$590.00	Cost of data transmission -----	
Type of construction-----		equipment-----	Installed by Sig. Corps.
(a) Roof-----	Concrete.	For tide stations give description of tide gauge-----	
(b) Remainder of bldg.-----	Concrete.	For datum points give Forts from which visible-----	
How concealed-----	By concrete parapet.	For dormitories give stations served-----	
How protected-----	By concrete parapet.	For cable hut give S.C. Type-----	
Heights above concealment-----	3.57'		
Heights above protection-----	3.57'		
Conspicuous at 1500 yards-----	from sea.		
Source of electric current-----	Baty Mendell Power plant.		
Kilowatts required-----	.12 k.w.		
Type of lighting fixtures-----	w.t. fixtures and iron conduit.		
How heated-----	Not heated.		
Connected to water mains-----	No.		
Connected to sewer drain-----	Yes.		
Type of latrine-----	Use battery latrine.		
Permanent or temporary installation-----	Permanent.		
Present condition-----	Good.		
Reference of site-----	233.05.		
Reference of instrument axis-----	235.8		
Type of observing inst-----	W. & S. Azimuth inst. model 1900.		
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 BATTERY MENDELL, F.C. AND MINE STATIONS.

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		
												Mater- ial	No. of Panels	
Boiler No.1													Gen.	Feed
No.2												See L75.1	(4th C.A.)	
No.3												Volts	Wires	Used for Q.M. Battery
Engine No.1	5454	GM 12	43/54 HP.	G.E.Co.	Nov.11,1910		Good	560	Direct		gasln.	115 DC	2	No
No.2	23	do.	do.	do.	do.		do.	do.	do.		do.	115 DC	2	No
No.3	5461				7/15/38							115 DC	2	No
Generator														
No.1	183202	MPC 6	25-k.w.	do.	do.		do.	do.	do.					
No.2	177331	do.	do.	do.	do.		do.	do.	do.					
No.3	183198													
Radiator														
No.1	None			Long-	do.		do.	1050		1				
No.2	do.			Turney	do.		do.	do.		2				
No.3	do.													
Motor-generator														
No.1														
No.2														
No.3														
Switchboard	43	P	80"x 82"	Tamton New Bed- ford Cop- per Co.	do.		do.					Marble	2	2
Storage Battery														
Transformer														
No.1														
No.2														
No.3														
Auxiliaries														
No.1														
No.2														
No.3														

(2) See L75.1 (9th C.A.) 1:-
Eng. # 5461 moved 7/15/38 from Btry. Kirby, Ft. Baker

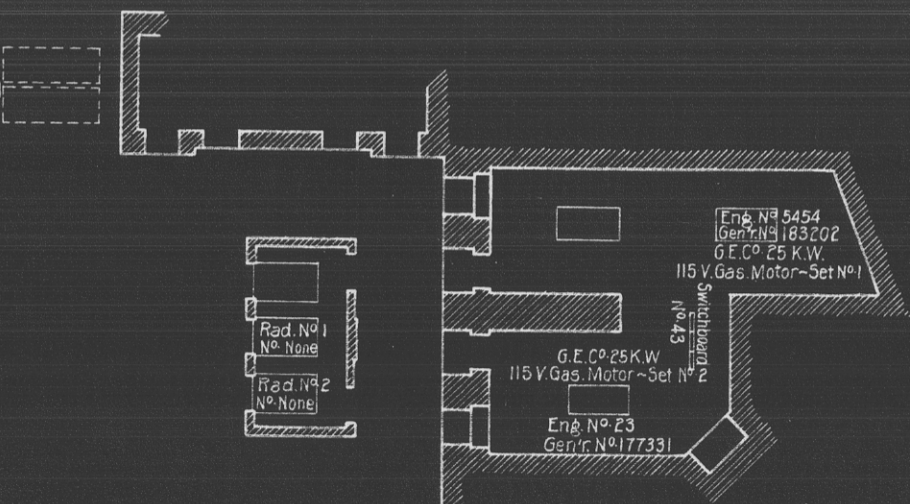
DISTRIBUTION OF K.W.-----

	Light	Power	Total
Battery Mendell	9.2	23.12	32.32
Switchboard room	1.1	0.0	1.1
Casemate	2.8	0.0	2.8
9 F.C.Stations	3.52	0.0	3.52
TOTAL	16.62	23.12	39.74

(1) See L75.1 (San Francisco) 50, 12th Ind.
Serial numbers of equipment to be moved from
Btry. Kirby, Ft. Baker, Power Plant are as follows;
Gas Engine # 5461, Generator # 183198, Radiator - No Number,
Fan Motor # 180444, Swb. Power Panel # 96461

*EMP'T. POWER PLANT
BATTERY MENDELL, FT. BARRY
CALIFORNIA*

370 Gallon
Gasoline Tanks
(Cross Connected)



NOTE:- For details of plant see
Transfer Plan 29-4-7 E.D. 38970/285

*EMP'T. POWER PLANT
BATTERY MENDELL, FT. BARRY
CALIFORNIA*

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

10 5 0 10 20 30 FT.