

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

COAST DEFENSES OF SAN FRANCISCO, Cal.
FORT. BAKER.
BATTERY. KIRBY.
No. of guns TWO * Caliber 12"B.L. Carriage Dis. LF

Form 1 Corrected to MARCH 1, 1920

Battery commenced	1899.	Source of electric current	* Battery plant: Two 25-k.w. gas. motor/sets.
Battery completed	1900.		
Date of transfer	Aug. 5, 1900.	Max. kv. required for lights	4.4 k.w. <i>One 25 kw. set to be moved</i>
Material of construction	Concrete.	Max. kw. required for motors	12. k.w. <i>to Battery Chamberlin, Ft. Scott.</i>
Portland or Rosendale cement	Portland.		
Cost to date of transfer	\$70,334.18.	Present condition of battery	Good.
Connected to water supply	Yes.	Rooms wet or dry	Dry.
Connected to sewer	Yes.	How ventilated	Natural draft. 6" vent from magazines terminating in traverse wall.
Type of latrine	Syphon.	Remarks-	
Type of data transmission	Telephone and speaking tube.		
Trunnion elevation in battery	40.0		
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	12"	36'4"	1895	12	Watervliet Ars.	Yes.	Dis.	1897	14	Morgan Engr.Co.	Retract.
2	12"	36'4"	1895	16	Watervliet Ars.	Yes.	Dis.	1897	15	Morgan Engr.Co.	Retract.
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.

See 660.2-20. No. 16 gun to be stored locally for use as a spare in the Ninth Corps Area or elsewhere.

See 660.2-20. Above carriages to be sold as scrap, retaining the parts listed in correspondence, reporting them to the Chief of Ordnance for shipping instructions.

* No. 1 Gun Removed, Carriages in place.

* Plans for furnishing AC commercial power for lighting approved 6/29/92.

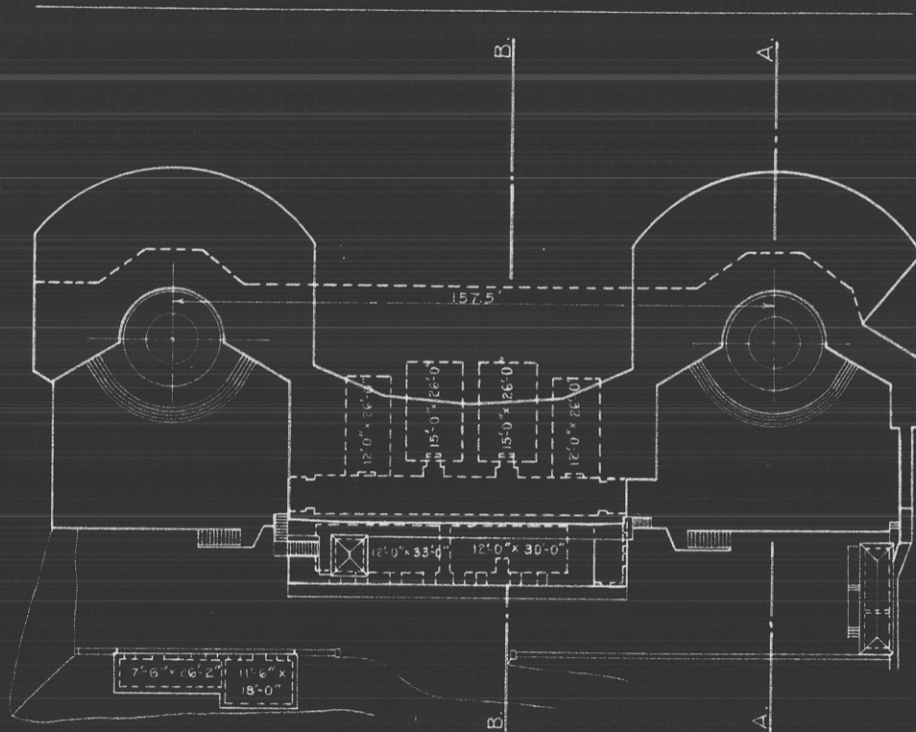
675.1 (San Fran.) CM 129/6

REPORT OF COMPLETED WORKS ~ SEACOAST FORTIFICATIONS
(BATTERY PLAN)

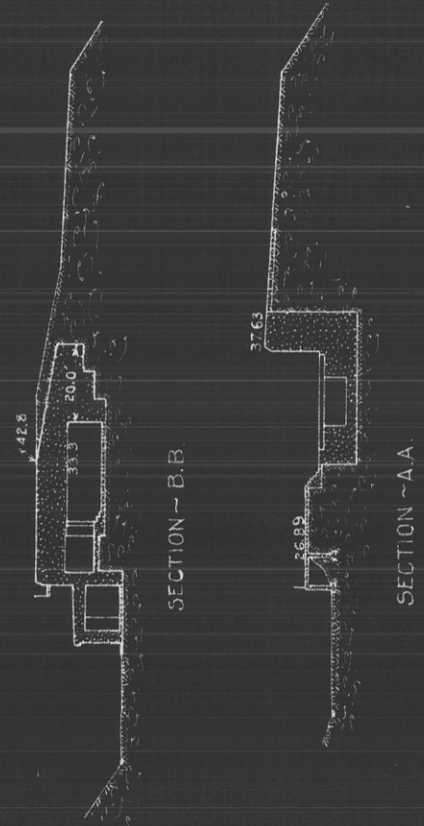
COAST DEFENSES OF SAN FRANCISCO, CAL.
FORT BAKER
BATTERY KIRBY
NO. OF GUNS 2: CALIBER 12^{IN.}:DISAPPEARING CARRIAGE

CORRECTED TO DEC. 1919.

FORM-7

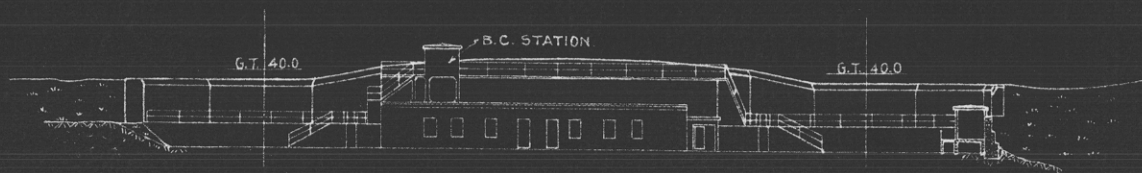


PLAN.



SECTION ~ B.B.

SECTION ~ A.A.



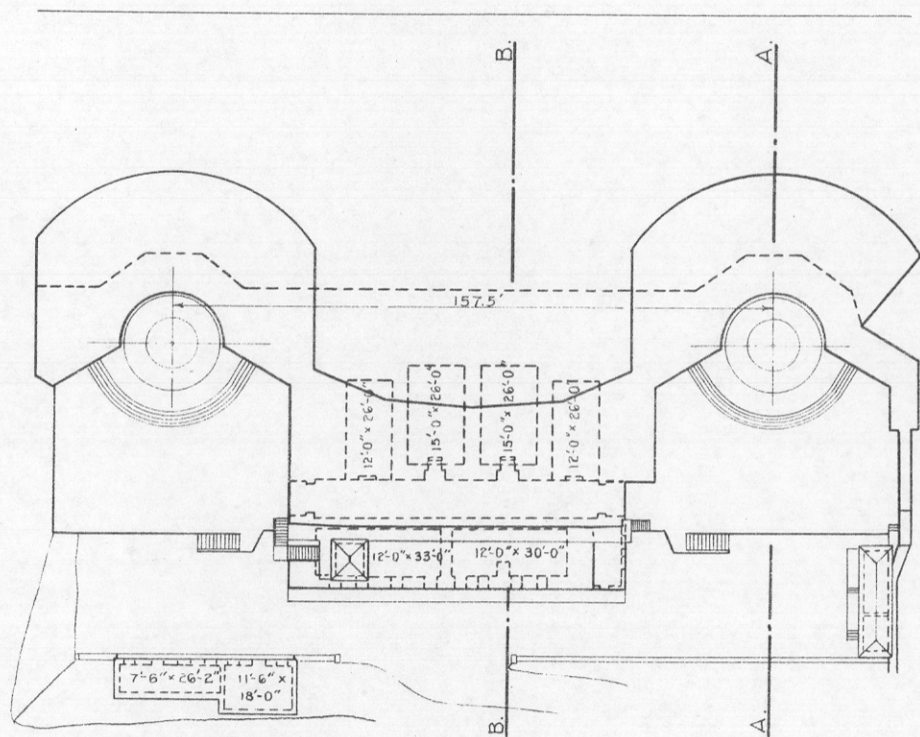
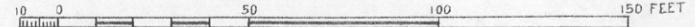
REAR ELEVATION.

REPORT OF COMPLETED WORKS ~ SEACOAST FORTIFICATIONS
(BATTERY PLAN)

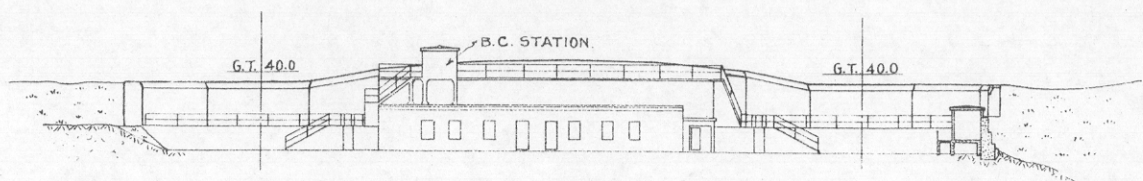
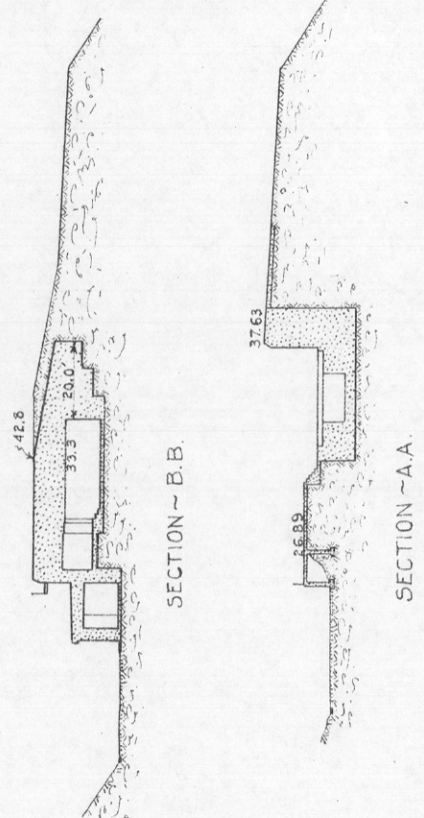
COAST DEFENSES OF SAN FRANCISCO, CAL.
FORT BAKER
BATTERY KIRBY
NO. OF GUNS 2: CALIBER 12^{IN.}: DISAPPEARING CARRIAGE

CORRECTED TO DEC. 1919.

FORM-7



PLAN.



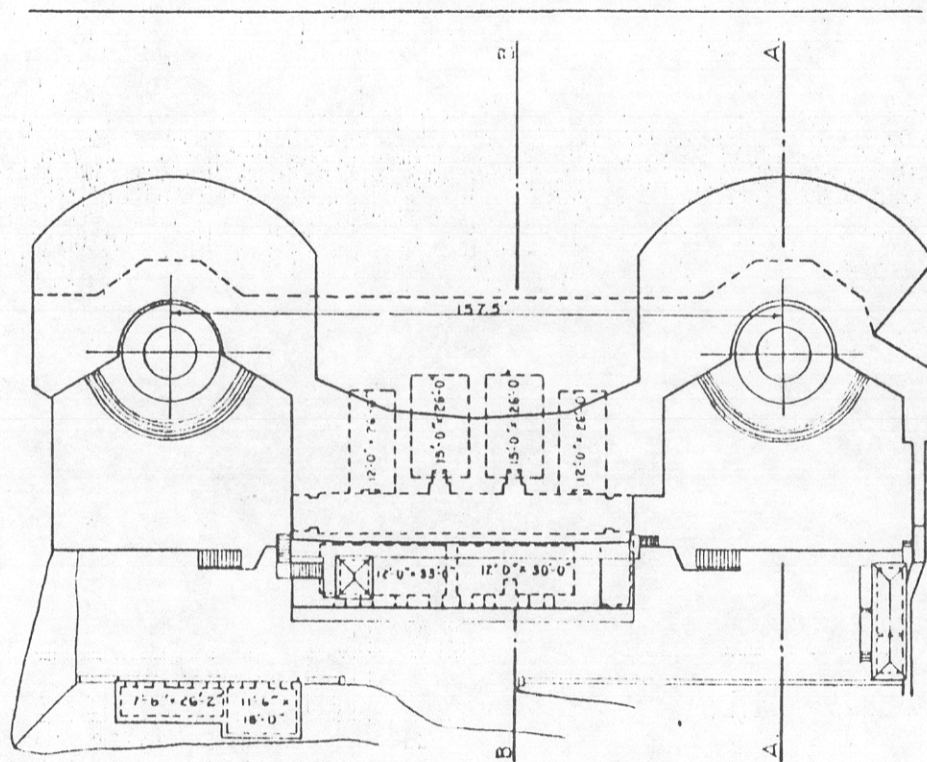
REAR ELEVATION.

REPORT OF COMPLETED WORKS -- SEACOAST FORTIFICATIONS
(BATTERY PLAN)

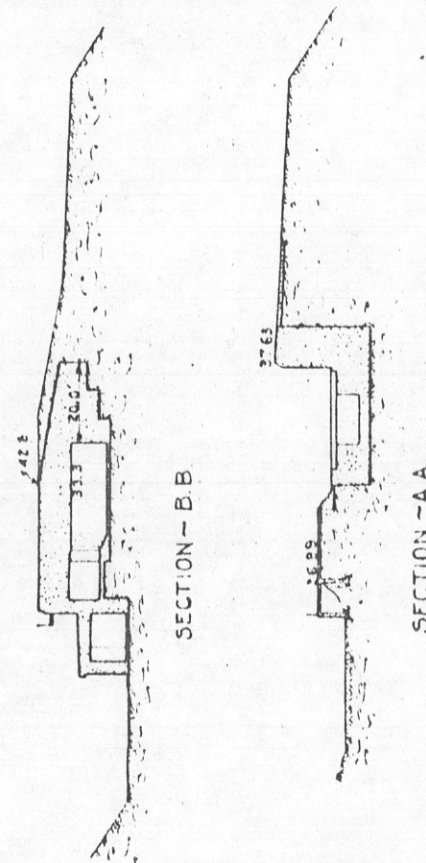
COAST DEFENSES OF SAN FRANCISCO, CAL.
FORT BAKER
BATTERY KIRBY
NO. OF GUNS 2: CALIBER 12" DISAPPEARING CARRIAGE

CORRECTED TO DEC. 1919.

FORM - 7

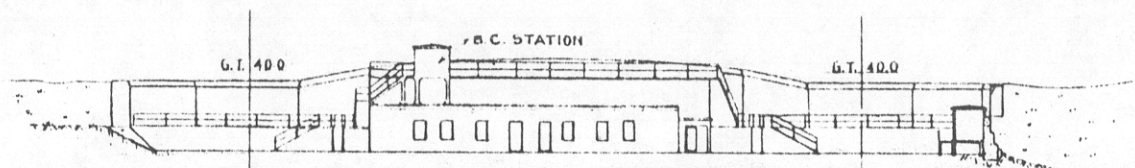


PLAN.



SECTION - B B

SECTION - A A



REAR ELEVATION

COAST DEFENS 5 OF San Francisco, California

FORT Baker BATTERY Kirby X NO. OF GUNS: 2 CALIBER: 12"

	EMPLACEMENT NUMBER 1.	EMPLACEMENT NUMBER 2.	EMPLACEMENT NUMBER 3.	EMPLACEMENT NUMBER 4.
1-a. Azimuth. _____	264°09'	83°18½'		
b. Distance. _____	78.7	167.3		
2-a. Model of Gun. _____	1895	1895		
b. " " Carriage. _____	1897	1897		
c. Type of " " _____	Dis.	Dis.		
3- Elevations of. _____				
a. Gun trunnions (in battery) _____	40.0	40.0		
b. Interior crest. _____	37.3	37.8		
c. Loading platform. _____	26.8	27.3		
4- Angle of depression. _____	1°15'	1°15'		
5- Limiting azimuths of field of fire as determined by: _____				
a. Construction of emplacement. _____	0 0 0 0 0 0	290°30' 34°10' 289°20' 65°00'		
b. Interference by adjacent emplacements. _____		No interference.		
c. Interference of other obstacles external to emplacement. _____	31°00' 37°20'	—	—	
d. Position of Ordnance stops. _____	291°40'	49°30'	291°25'	49°36'

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 Battery Gunn latitude - 37°49' - longitude - 121°46 meters Kirby longitude - 122°23' - 54.8
3. Above plane of M.L.L.W.
- 5-c. Nature of obstacles: Topography of bluff on right flank of battery.
- 2-c. Use one of following abbreviations or designations: Dis; Nondis; Alt; gun-lift; Turret; Casemate; Ped; B.P

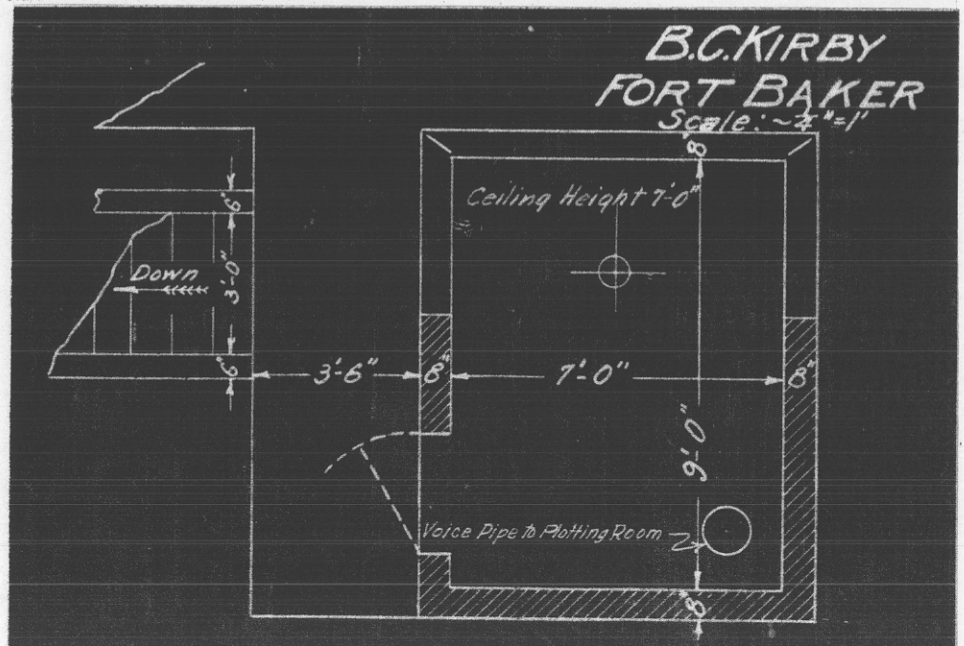
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REPORT OF COMPLETED WORKS -- SEACOAST FORTIFICATIONS.
(Fire control or Torpedo Structures)

HARBOR ~~COAST~~ DEFENSES OF SAN FRANCISCO.
FORT.....BAKER.....
STRUCTURE...B. G. KIRBY.....

Form 2. Corrected to NOV 1 1927

Location	Over plotting room in rear traverse between Empls, #1 and #2.	Type of data transmission	Telephone and voice pipe.
Date of transfer	Aug. 5, 1910.	Date of transfer	} Installed by Signal Corps.
Cost to that date	MODIFICATIONS \$3,440.03.	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	Concrete parapet.	For cable hut give S.C-Type	
How protected	Concrete parapet.		
Heights above concealment	3.5'		
Heights above protection	3.3'		
Conspicuous at 1000 yards	At sea.		
Source of electric current	Battery Kirby gas.motor plant.		
Kilowatts required	.18 k.w.		
Type of lighting fixtures	W.T. fixtures and iron conduit.		
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	40.0		
Reference of instrument axis	45.0		
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.
(Fire control or Torpedo Structures)

obsolete ✓

HARBOR
~~XXXXXX~~ DEFENSES OF SAN FRANCISCO.
FORT.. BAKER
STRUCTURE.. PLOTTING ROOM, BATTERY KIRBY......

Form 2. Corrected to NOV 1 1927

Location : **In rear traverse between Emplacements #1 and #2.**

Date of transfer : **Aug. 5, 1910.**

Cost to that date : **MODIFICATIONS \$208.48**

Type of construction :
(a) Roof : **Concrete.**
(b) Remainder of bldg. : **Concrete.**

How concealed : **Concrete parapet and traverse.**

How protected : **Concrete parapet and traverse.**

Heights above concealment : **Not above concealment.**

Heights above protection : **Not above protection.**

Conspicuous at _____ yards : **Not conspicuous from sea.**

Source of electric current : **Battery Kirby gas. motor plant.**

Kilowatts required : **.4 k.w.**

Type of lighting fixtures : **W.T. fixtures and arm. cable.**

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 : **40.!**

Reference of ~~instrument~~ floor : **axis of room**

~~axis of room~~ : **20.5'**

Type of observing inst. :
Type of plotting board : **W. & H. Model 1904.**

Type and capacity of crane :
Max. dimensions of reel handled :

Type of data transmission : _____

Telephone and voice pipe. : _____

Date of transfer : _____)

Cost of data transmission : _____)

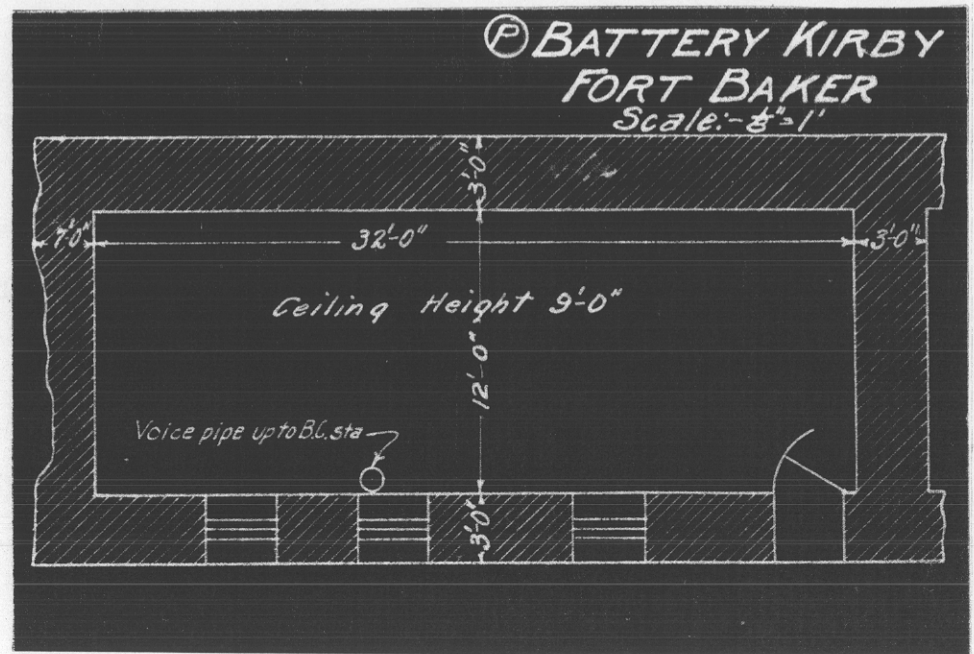
equipment : _____) **Installed by Signal Corps**

For tide stations give description of tide gauge : _____

For datum points give Forts from which visible : _____

For dormitories give stations served : _____

For cable hut give S.C. Type : _____



REPORT OF COMPLETED WORKS * SEACOAST FORTIFICATIONS

(Electric Plants)

COAST DEFENSES OF SAN FRANCISCO, CAL.

FORT BAKER.

POWER FOR BATTERY KIRBY & B'V SPENCER. *

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	5461	GM 12	43/54 H.P.	G.E.Co.	8/5/10	----- \$7,221.70	Good	560	Direct		gasln.		See 675.1 (9th C.A.) 1				
No.2	* 5462	do.	do.	do.	do.		do.	do.	do.	do.	do.	do.	115 DC	Volts	Wires	Used for QM Power	
No.3																	
Generator No.1	183198	MPC 6	25-k.w.	do.	do.			do.	do.	do.							
No.2	* 183197	do.	do.	do.	do.			do.	do.	do.							
No.3								do.	do.	do.							
Radiator No.1	None			Long-Turkey	do.		do.	1050	do.								
No.2	None			do.	do.		do.	do.	do.								
No.3																	
Motor-generator No.1																	
No.2																	
No.3																	
Switchboard	40	M	60"x 82"	Taunton, New Bed- ford Cop- per Co.	do.		do.										
Stage Battery													Marble	2	1		
Transformer No.1																	
No.2																	
No.3																	
Auxiliaries No.1																	
No.2																	
No.3																	

DISTRIBUTION OF K.W.

	Lights	Power	Total
Battery Kirby	4.4	12.0	16.4
B'V Spencer	.2	.0	.2
TOTAL	4.6	12.0	16.6

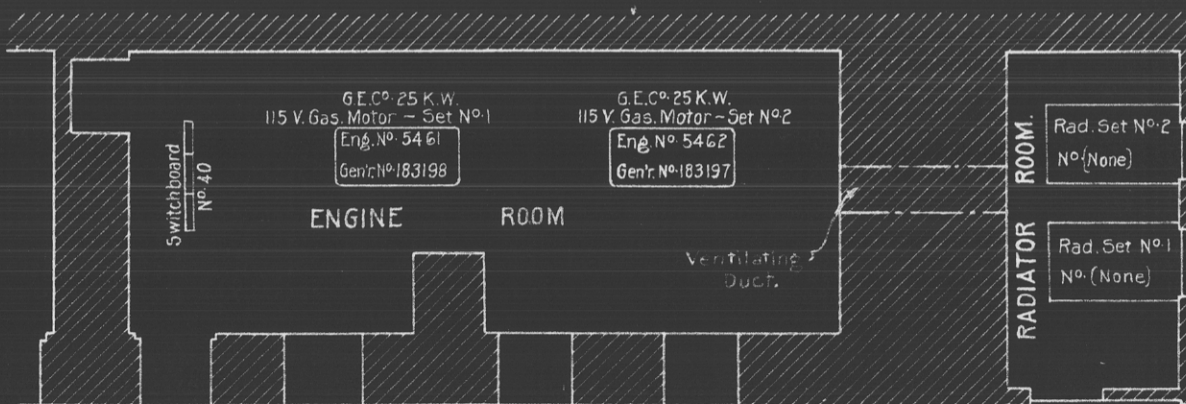
* structure abandoned,
See Index Plat Rec. May 22, 1936

See 675.1 (San Francisco) 50, basic letter
2-25 KW sets laid up in grease,
possibly allocated to S/L on Ft.
Scott side and the other available
for other use.

② See 675.1 (9th C.A.) 1 :-
Eng. #5461 moved to Btry. Mendell, Ft. Barry, 7/15/38

① See 12th Ind. 675.1 (San Francisco) 50; following equipment
to be moved to Btry. Mendell:
Gas Engine # 5461, Generator # 183198, Radiator - No number,
Fan Motor # 180444, Swb. Power Panel # 96481

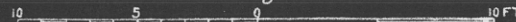
*EMP'T. POWER PLANT
BATTERY KIRBY, FT. BAKER
CALIFORNIA*



NOTE:~ For details of plant see
Transfer Plan 24-4-8 E.D. 38970/187

*EMP'T. POWER PLANT
BATTERY KIRBY, FT. BAKER
CALIFORNIA*

SCALE:~ $\frac{1}{8}$ IN. = 1 FT.



Abandoned - Annex B - 662 B (S.F) 52/2

obsolete

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

COAST DEFENSES OF SAN FRANCISCO.
FORT. BAKER.....
STRUCTURE. B¹. KIRBY.....

1920

Form 2.

Corrected to MARCH 1, 1920

Location	On hill 310' in rear of Baty O. Wagner.	Type of data transmission	Telephone.
Date of transfer	Dec. 28, 1900.	Date of transfer	
Cost to that date	\$1,135.86	Cost of data transmission	
Type of construction		equipment	Installed by Sig. Corps.
(a) Roof	Iron.	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	4.0'	For dormitories give	
Heights above protection	4.0'	stations served	
Conspicuous at 1500 yards	from sea.	For cable hut give	
Source of electric current	Battery Spencer power plant.	S.C. Type	
Kilowatts required	.2 k.w.		
Type of lighting fixtures	w.t. fixtures & iron conduit		
How heated	Not heated.		
Connected to water mains	Yes.		
Connected to sewer	Yes.		
Type of latrine	No latrine.		
Permanent or temporary			
installation	Permanent.		
Present condition	Good.		
Reference of site	399.6		
Reference of instrument			
axis	399.9 above M.L.L.W.		
Type of observing inst.	Lewis D.P.F. "D"		
Type of plotting board			
Type and capacity of crane			
Max. dimensions of reel handled			

