

600,914 (San Francisco) CM 76133

SPEK-1

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Batteries)

HARBOR DEFENSES OF SAN FRANCISCO
FORT... **Winfield Scott**
BATTERY... **Lowell Chamberlin** Two
Caliber... **6-inch** No. of Guns **Barb. L.F.**
Carriages.....

CONFIDENTIAL

Part I Corrected to August 1943

GENERAL:

Battery commenced .. 1903
Battery completed .. 1904
Date of transfer .. Dec. 24 1904 (Forms corr. Sept. 1923)
Cost to date of transfer .. \$ 100,803.45
Materials of construction .. **Concrete**
Battery new or modernized .. **Modernized 1920 & 1943**
(If modernized give detailed statement on reverse side)
Trunnion elevation in btry. **45.25**
Datum plane..... **MLLW**

6133

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 ... **Commercial & Standby**
Procured & installed by (OCE or ORD) .. **OCE -(1942)**
Characteristics: Voltage **220** ... Ac or DC ... Phase **1**
No. of units and capacity. **Commercial**
Max. K.W. required for utilities. **6.5 k.w.**
Max. K.W. required for non-battle conditions. **6 k.w.**
Commercial power provided (yes or no) **Yes**. Capacity
Auxiliary power unit provided (yes or no) **Yes**
Capacity **25 k.w DC**

Type of lighting fixtures.....
Dehumidifying Unit... Make and capacity. **See reverse side for gasproofing.**
Rooms Wet or Dry. **Dry**
How ventilated. **Natural draft. 8" sheet metal vents from magazines terminating on top of slope in anchor vent cover.**
How heated.....

DATA TRANSMISSION

Type.....
REMARKS Platforms at Emplacements No. 2 & 3 altered in 1920 to suit barbette carriages, model 1900, cost \$ 3,502.44.
~~This form incorporates all information on forms corrected to September 1923.~~
See reverse side for work completed in 1942 & 1943.

ARMAMENT

Emplacement No.	Cal.	Length	Model	Guns		Manufacturer	Mounted	Type	Model	Carriages		Motor
				Serial No.						Serial No.	Manufacturer	
1.	6"	25.866'	1900	21		Watervliet Ars.	Yes	Barb.	1900	40	Builders Iron)	None re-quired.
2.	6"	25.866'	1900	31		do	Yes	Barb.	1900	41	Foundry)	

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ED Form A-162A
16 Sept. 43

Incl. 29

Modifications Completed in 1942 & 1943

1. Gasproofing Plotting Room - Cost \$ 4,479.39

2. Modification of Loading Platforms
Gun Nos. 2 & 3 only

3. Installation of Power Plant
(Cost included in No. 1 above)

Total Cost Modifications \$ 5,399.39
Modifications transferred 23 November 1943.

920.00

OFFICE DIVISION ENGINEER
PACIFIC DIVISION
JAN 10 7 4-10 55 AM
SAN FRANCISCO, CALIF. 14

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

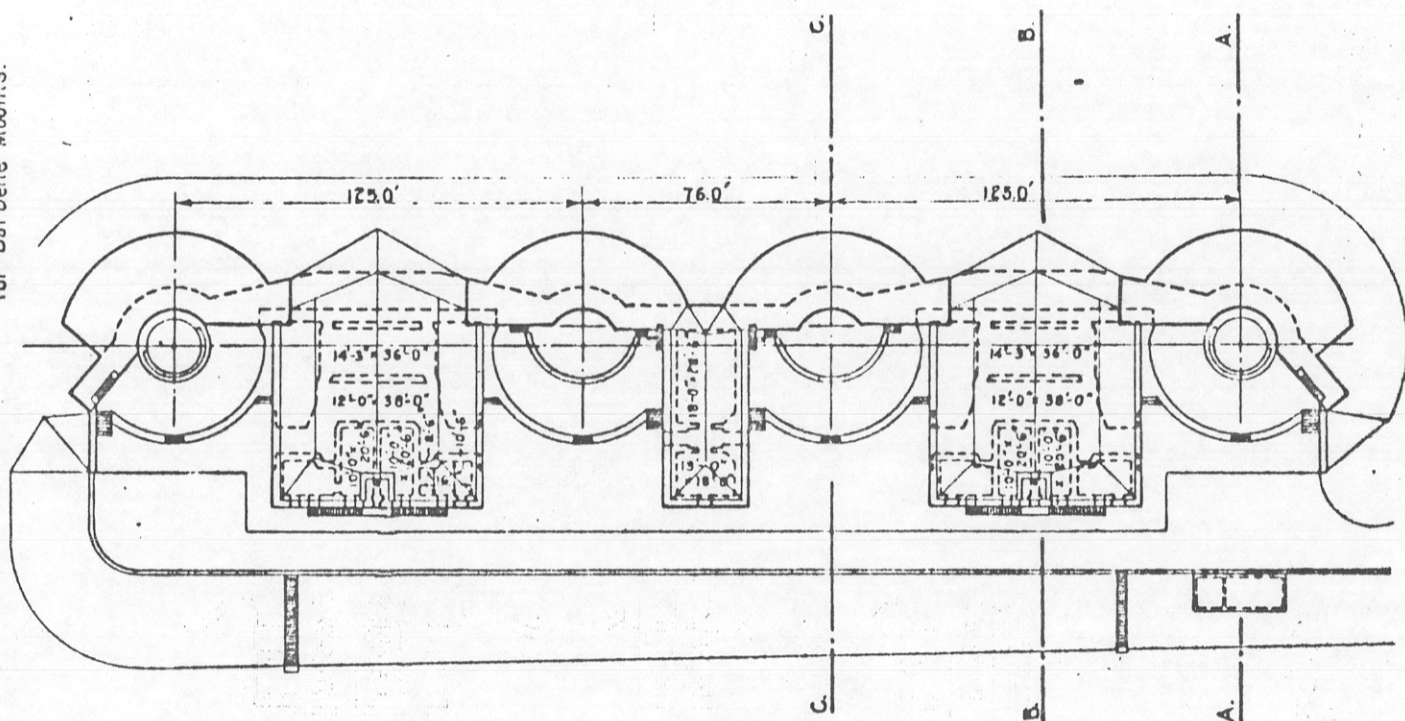
COAST DEFENSES OF SAN FRANCISCO, CAL.
 FORT WINFIELD SCOTT
 BATTERY LOWELL CHAMBERLIN
 NO. OF GUNS 2: CALIBER 6^{IN}: BARBETTE CARRIAGES

CORRECTED TO DEC. 1919.

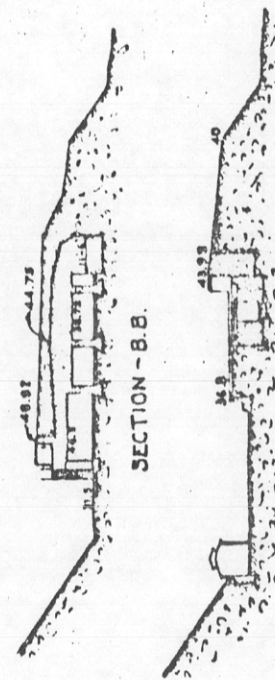
FORM-7

10 20 30 40 50 60 70 80 90 100 FEET

SECTION - C.C. Empts. Nos. 2 & 3 as altered for Barbette Mounts.

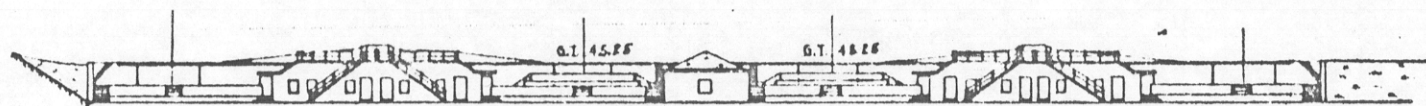


PLAN.



SECTION - B.B.

SECTION - A.A. Empts. Nos. 1 & 4 as originally constructed for Disappearing Mounts.



REAR ELEVATION.

600.914 (San Francisco) CM 76133

SPEK-1-3

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Batteries)

HARBOR DEFENSES OF SAN FRANCISCO
Winfield Scott
FORT... Lowell Chamberlin Two
BATTERY 6-inch No. of Guns Barb. L.F.
Caliber Carriages

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Part I Corrected to August 1943

GENERAL:

Battery commenced 1903
Battery completed 1904
Date of transfer Dec. 24 1904 (Forms corr. Sept. 1923)
Cost to date of transfer \$ 100,803.45
Materials of construction Concrete
Battery new or modernized Modernized 1920 & 1943
(If modernized give detailed statement on reverse side)
Trunnion elevation in btry. 45.25
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 Commercial & Standby
Procured & installed by (OCE or DRD) OCE (1942)
Characteristics: Voltage 220 Ac or DC Phase L
No. of units and capacity Commercial
Max. K.W. required for utilities 6.5 k.w.
Max. K.W. required for non-battle conditions 6 k.w.
Commercial power provided (yes or no) Yes Capacity
Auxiliary power unit provided (yes or no) Yes Capacity 25 k.w DC

Type of lighting fixtures --- See reverse side
Dehumidifying Unit Make and capacity for gasproofing
Rooms Wet or Dry Dry
How ventilated Natural draft 6" sheet metal vents
How heated slope in anchor vent cover

DATA TRANSMISSION

Type ---
REMARKS Platforms at Emplacements No. 2 & 3 altered in 1920 to suit barbette carriages, model 1900, cost \$ 3,502.44.

This form incorporates all information on forms corrected to September 1923.
See reverse side for work completed in 1942 & 1943.

ARMAMENT

DD Form A-162A
16 Sept. 43

1942 43
MODS
GASPROOF PLOT 84479
Mod Platform 243 mg
Power Plant
85399

Emplacement No.	Cal.	Length	Model	Guns		Mounted	Type	Model	Carriages		Motor
				Serial No.	Manufacturer				Serial No.	Manufacturer	
1.	6"	25.866'	1900	21	Watervliet Ars.	Yes	Barb.	1900	40	Builders Iron)	None re- quired.
2.	6"	25.866'	1900	31	do	Yes	Barb.	1900	41	Foundry)	

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600.914 (San Fran) 102114

REPORT OF COMPLETED WORKS-SEACOAST FORTIFICATIONS (Battery Plan)

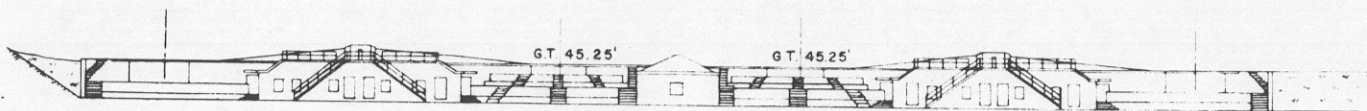
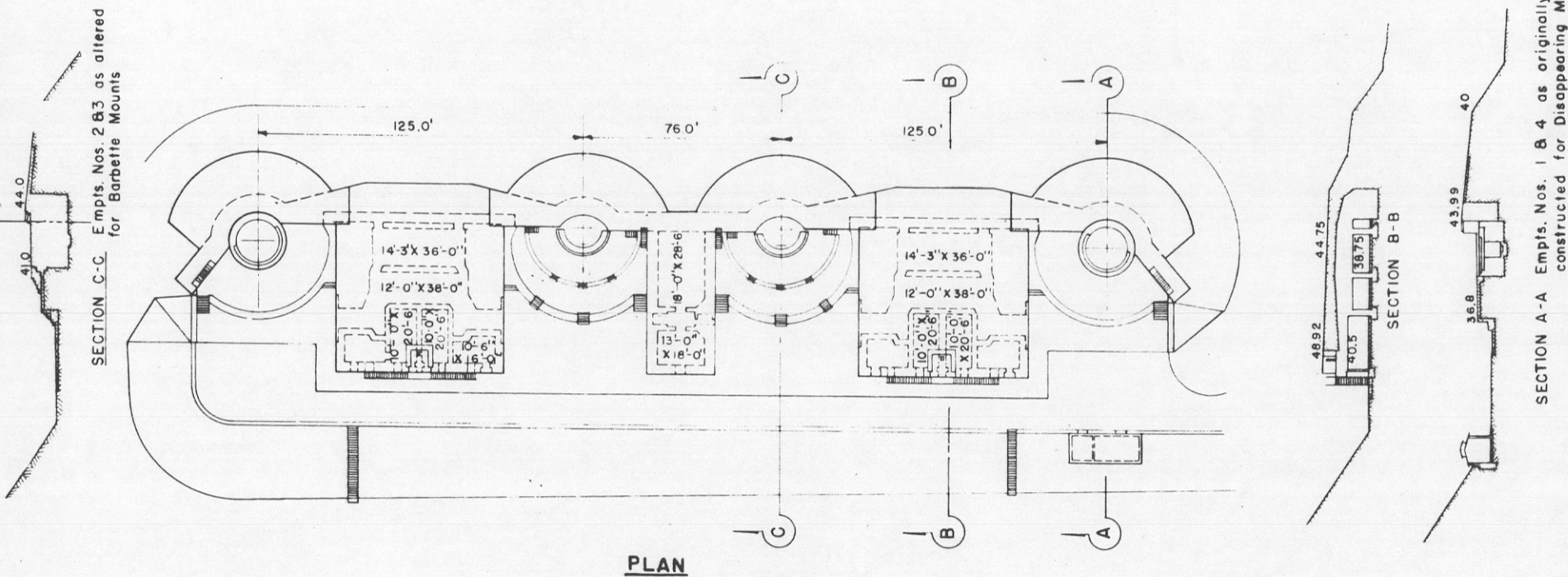
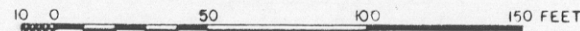
HARBOR DEFENSES OF SAN FRANCISCO
FORT WINFIELD SCOTT, CALIF.
BATTERY LOWELL CHAMBERLIN
No. of guns 2 : Caliber 6^{IN}: Barbette Carriages

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Corrected to Dec. 1943.

Part VII

Power for Base End Repair



Note: See reverse side for modifications completed in 1942 & 1943 and additional work accomplished in 1944.

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FS 344-389 & 1254

Modifications Completed in 1942 and 1943

1. Gasproofing Plotting Room - Cost	\$4,479.39	FS-389
2. Modification of Loading Platforms Gun Nos. 2 & 3 only. - Cost	920.00	FS-347
3. Installation of Power Plant (Cost included in No. 1 above)		
Total Cost Modifications -	5,399.39	
Modifications transferred 29 November 1943.		

Additional Work Accomplished in 1944

1 - 3 KVA 125 V 3 phase 60 cycle M5 Standby Generator installed in Power Room located in rear portion of magazine between Empts. Nos. 3 and 4.
Generator furnished by Signal Corps and installed by U.S.E.D.
Generator Serial No. 6666.
1 - 30 A. 2P double throw switch installed near and connected to existing panel.
Circuit No. 6 in existing panel disconnected and feeder to BC Chamberlin spliced to new leads from load terminals on 2P D.T. Switch.
Voltage -120, Phase - Single.
Date of transfer of this work - 2 June 1944.
Cost of additional work to date of transfer - \$418.29.
This is a portion of Job No. SF FS-21, Dir. Cons. FS-1254.



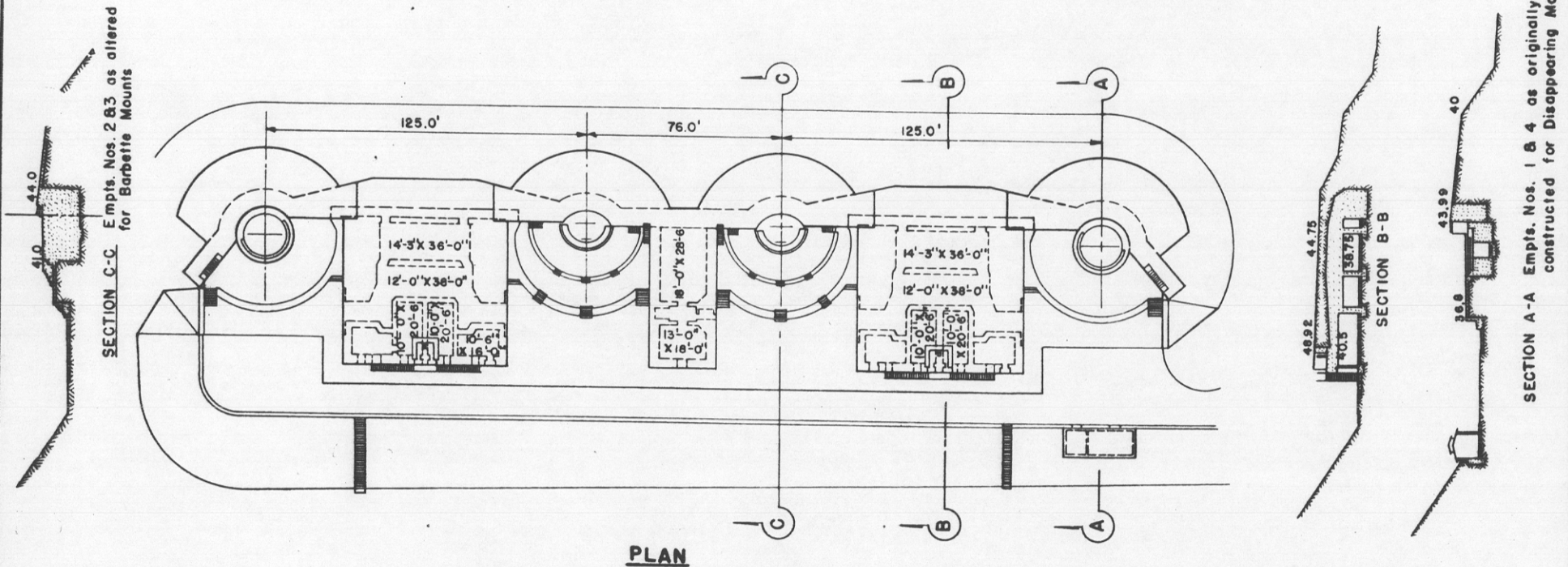
REPORT OF COMPLETED WORKS-SEACOAST FORTIFICATIONS
(Battery Plan)

HARBOR DEFENSES OF SAN FRANCISCO
FORT WINFIELD SCOTT, CALIF.
BATTERY LOWELL CHAMBERLIN
No. of guns 2 : Caliber 6^{IN}: Barbette Carriages

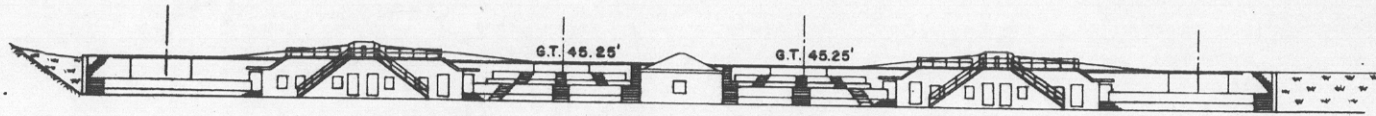
CONFIDENTIAL

Corrected to Dec.1943.

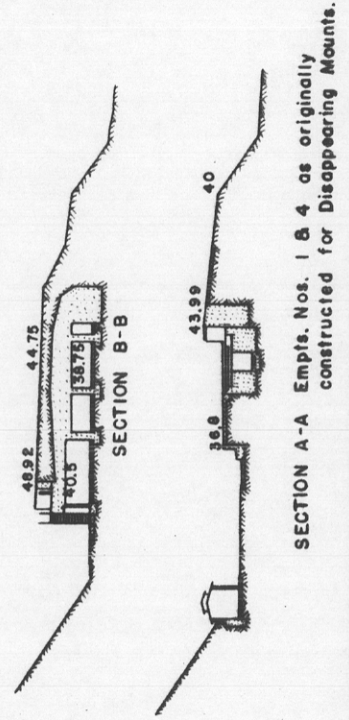
Part VII



PLAN



REAR ELEVATION



SECTION A-A Empls. Nos. 1 & 4 as originally constructed for Disappearing Mounts.

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

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Incl. 30

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

COAST DEFENSES OF... SAN FRANCISCO, CALIF.

FORT. WINFIELD SCOTT

BATTERY. LOWELL CHAMBERLIN

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 -----	Central power plant: Two 100 k.w. steam generating sets. <i>One 25 kw set moved from Battery Kirby, Ft. Baker.</i>
Battery completed -----	1904.		
Date of transfer -----	Dec. 24, 1904.	Max. kw. required for lights -----	6.5 k.w.
Material of construction -----	Concrete.	Max. kw. required for motors -----	No motors.
Portland or Rosendale cement -----	Portland.	Present condition of battery -----	Good.
Cost to date of transfer -----	\$100,803.45		
Connected to water supply -----	Yes.	Rooms wet or dry -----	Dry.
Connected to sewer -----	Yes.	How ventilated -----	Natural draft. 8" sheet metal vents from magazines terminating on top of slope in anchor vent covers.
Type of latrine -----	Syphon.		
Type of data transmission -----	Telephone.	Remarks -----	Platforms at Emplacements Nos. 2 and 3 altered in 1920 to suit barbette carriages, Model 1900; cost \$3502.44
Trunnion elevation in battery -----	45.25		
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											
2	6"	25.866'	1900	21	Watervliet Ars.	Yes	Barb.	1900	40	Builders Iron Foundry.	None required.
3	6"	25.866'	1900	31	do.	Yes	Barb.	1900	41		
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									

AG authorized extension of platforms, 662B (Puget Sound) 87
12/22/41

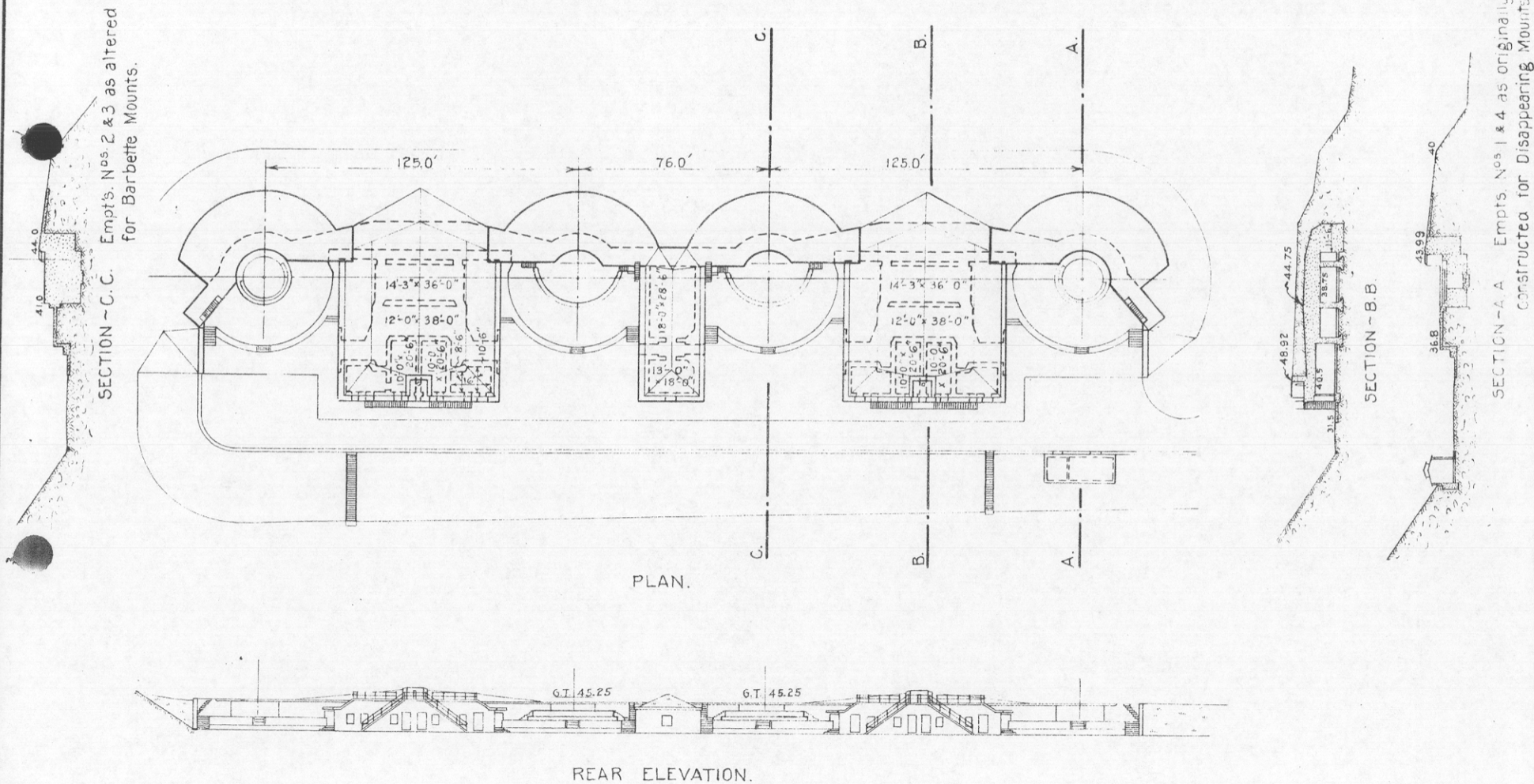
superseded - see Form 1
corrected to Aug 1943

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
 (BATTERY PLAN)

COAST DEFENSES OF SAN FRANCISCO, CAL.
 FORT WINFIELD SCOTT
 BATTERY LOWELL CHAMBERLIN
 NO. OF GUNS 2: CALIBER 6" : BARBETTE CARRIAGES

CORRECTED TO AUG. 1923.

FORM - 7



COAST DEFENSES OF San Francisco, California

FORT Winfield Scott BATTERY Lowell Chamberlin No. of GUNS: 4 CALIBER: 6"

	EMPLACEMENT NUMBER 1.		EMPLACEMENT NUMBER 2.		EMPLACEMENT NUMBER 3.		EMPLACEMENT NUMBER 4.		
	FROM.	TO.	FROM.	TO.	FROM.	TO.	FROM.	TO.	
1-a. Azimuth.	250° 32'		203° 28'		203° 28'		203° 28'		
b. Distance.	1653'		125'		76'		125'		
2-a. Model of Gun.	1903		1903		1903		1903		
b. " " Carriage.	1903		1903		1903		1903		
c. Type of " "	Dis.		Dis.		Dis.		Dis.		
3- Elevations of.									
a. Gun trunnions (in battery)	46.37		46.41		46.38		46.37		
b. Interior crest.	44.34		44.39		44.33		44.34		
c. Loading platform.	37.14		37.12		37.11		37.12		
4- Angle of depression.	4° 00'		3° 58'		4° 36'		4° 30'		
5- Limiting azimuths of field of fire as determined by:	FROM.	TO.	FROM.	TO.	FROM.	TO.	FROM.	TO.	
	0	0	0	0	0	0	0	0	
	a. Construction of emplacement. 53° 00' 221° 30' 5° 00' 215° 30' 11° 00' 221° 30' 5° 00' 177° 00'								
	b. Interference by adjacent emplacements. } No interference with field of fire in water areas.								
	c. Interference of other obstacles external to emplacement. } Fitted								
d. Position of Ordnance stops.	56° 00'	203° 36'	46° 42'	172° 18'	51° 15'	181° 33'	9° 30'	173° 45'	

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 Rob 3 { Latitude - 37° 47' ~ 1438.0 meters. }
 { Longitude - 122° 28' ~ 849.0 " }
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.
(Fire control or Torpedo Structures)

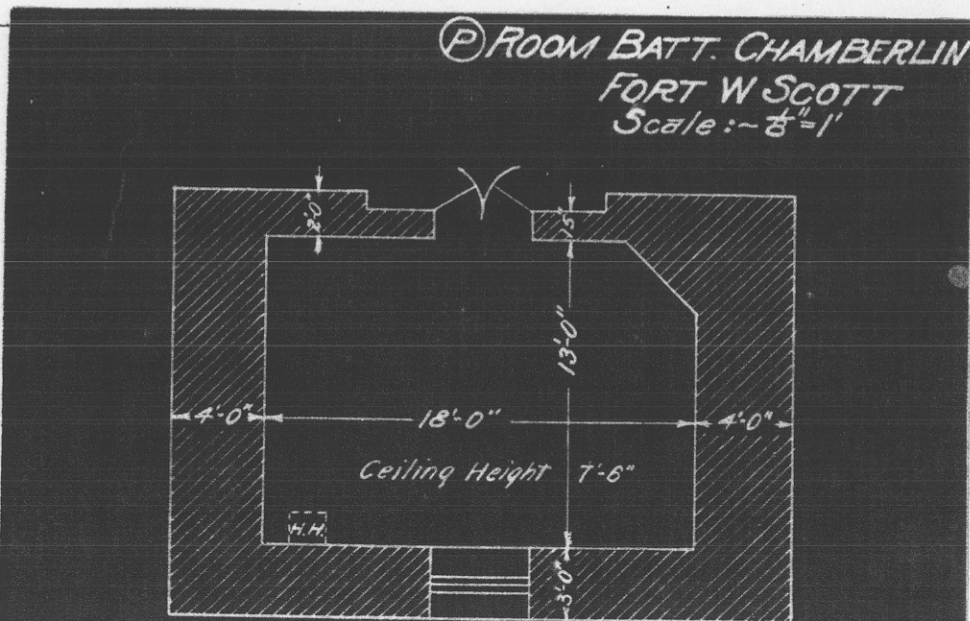
HARBOR
SEACOAST DEFENSES OF SAN FRANCISCO.

* FORT..... WINFIELD SCOTT
STRUCTURE... PLOTTING ROOM, CHAMBERLIN.....

Form 2.

Corrected to NOV 1 1927

Location	In traverse between Guns #2 and #3, Battery Chamberlin.	Type of data transmission	Telephone.
Date of transfer	With battery.	Date of transfer) Installed by Artillery Corps.
Cost to that date remodel	\$237.00	Cost of data transmission equipment	
Type of construction		For tide stations give description of tide gauge) For datum points give Forts from which visible
(a) Roof	Concrete.	For dormitories give stations served	
(b) Remainder of bldg.	Concrete.	For cable hut give S.C. Type	
How concealed	Concrete roof and earth fill.		
How protected	Concrete roof and earth fill.		
Heights above concealment	Not above concealment.		
Heights above protection	Not above protection.		
Conspicuous at _____ yards	Not conspicuous from sea.		
Source of electric current	Central Power Plant, Scott		
Kilowatts required	.42 k.w.		
Type of lighting fixtures	W.t. fixtures & arm. cable		
How heated	Fire place.		
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	48°		
Reference of instrument xxxx floor level	31.75'		
Type of observing inst.			
Type of plotting board	W.&H. Mod. 1904-Gun.		
Type and capacity of crane			
Max. dimensions of reel handled			



* See battery report for gasproofing