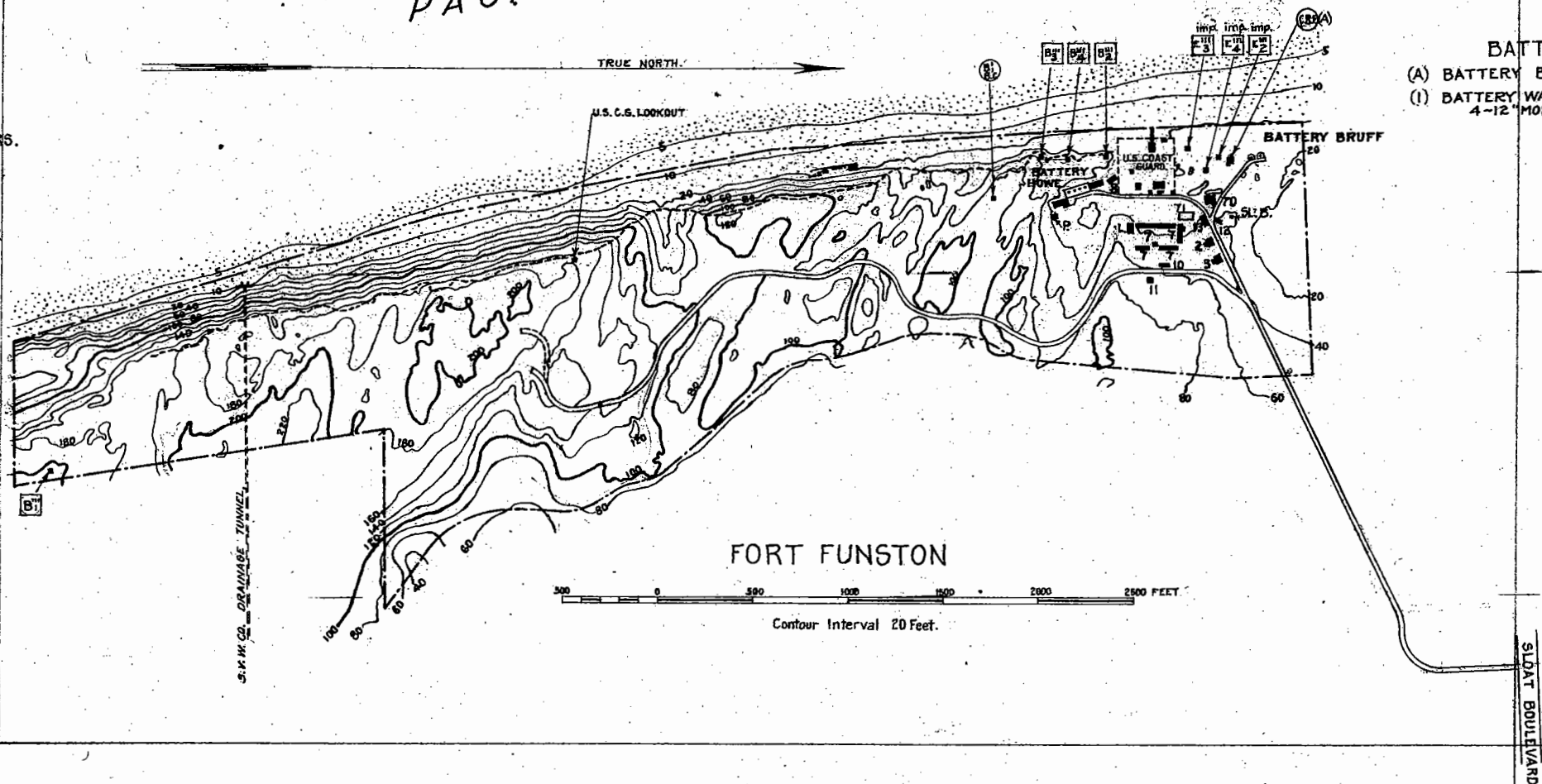


**Fort Funston
Corps of Engineers
Reports of Completed Works, Seacoast Fortifications**

Authority **AND 735636**
By **NARA** Date **7-21-00**

PACIFIC OCEAN

- 2. COMMANDING OFFICERS QUARTERS.
- 3. OFFICERS QUARTERS.
- 7. BARRACKS.
- 8. GUARD HOUSE.
- 10. BLACKSMITH & ELECTRIC SHOP.
- 11. COAL BIN.
- 12. GARAGE.
- 13. STOREHOUSE.
- 70. Y.M.C.A.
- 71. BASKETBALL COURT.



BATTERIES

- (A) BATTERY BRUFF-2-5" GUNS.
- (I) BATTERY WALTER HOWE
4-12" MORTARS.

FORT FUNSTON

300 0 500 1000 1500 2000 2500 FEET

Contour Interval 20 Feet.

LEGEND.

EDITION OF APR. 17, 1920.

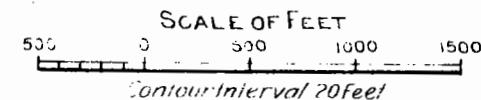
- 2 COMMANDING OFF. QRS.
- 3 OFFICER'S QUARTERS.
- 7 BARRACKS
- 8 GUARD HOUSE.
- 10 BLACKSMITH AND ELECTRIC SHOP.
- 11 COAL BIN.
- 12 GARAGE.
- 13 STOREHOUSE.
- 70 Y.M.C.A.
- 71 BASKETBALL COURT.

SERIAL NUMBER

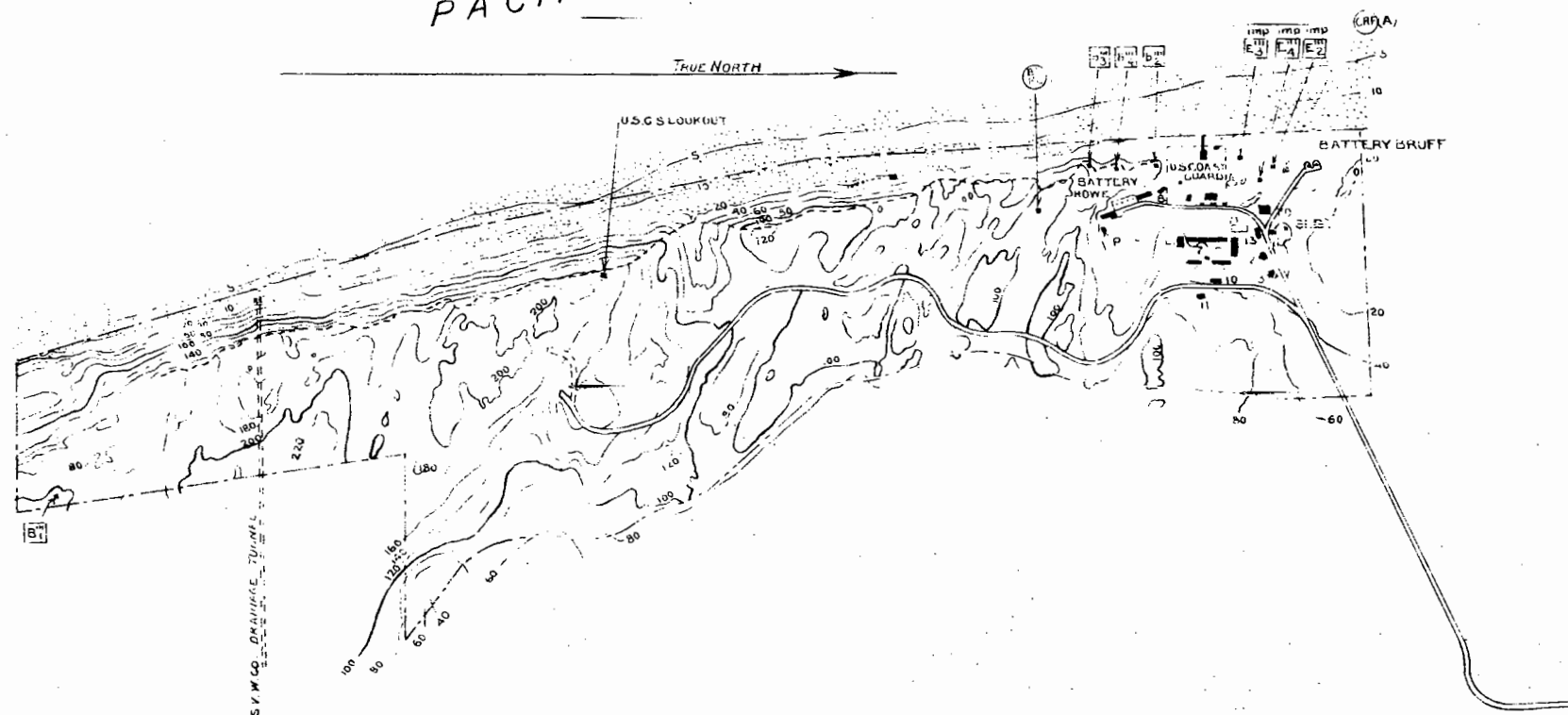
CONFIDENTIAL

SAN FRANCISCO HARBOR FORT FUNSTON

- ### BATTERIES
- (A) BATTERY BRUFF 2-5" GUNS.
 - (1) BATTERY WALTER HOWE 4-12" MORTARS.



PACIFIC OCEAN



Authority 152036
By NARA Date 7-21-60

LEGEND.

EDITION OF APR. 17, 1920.

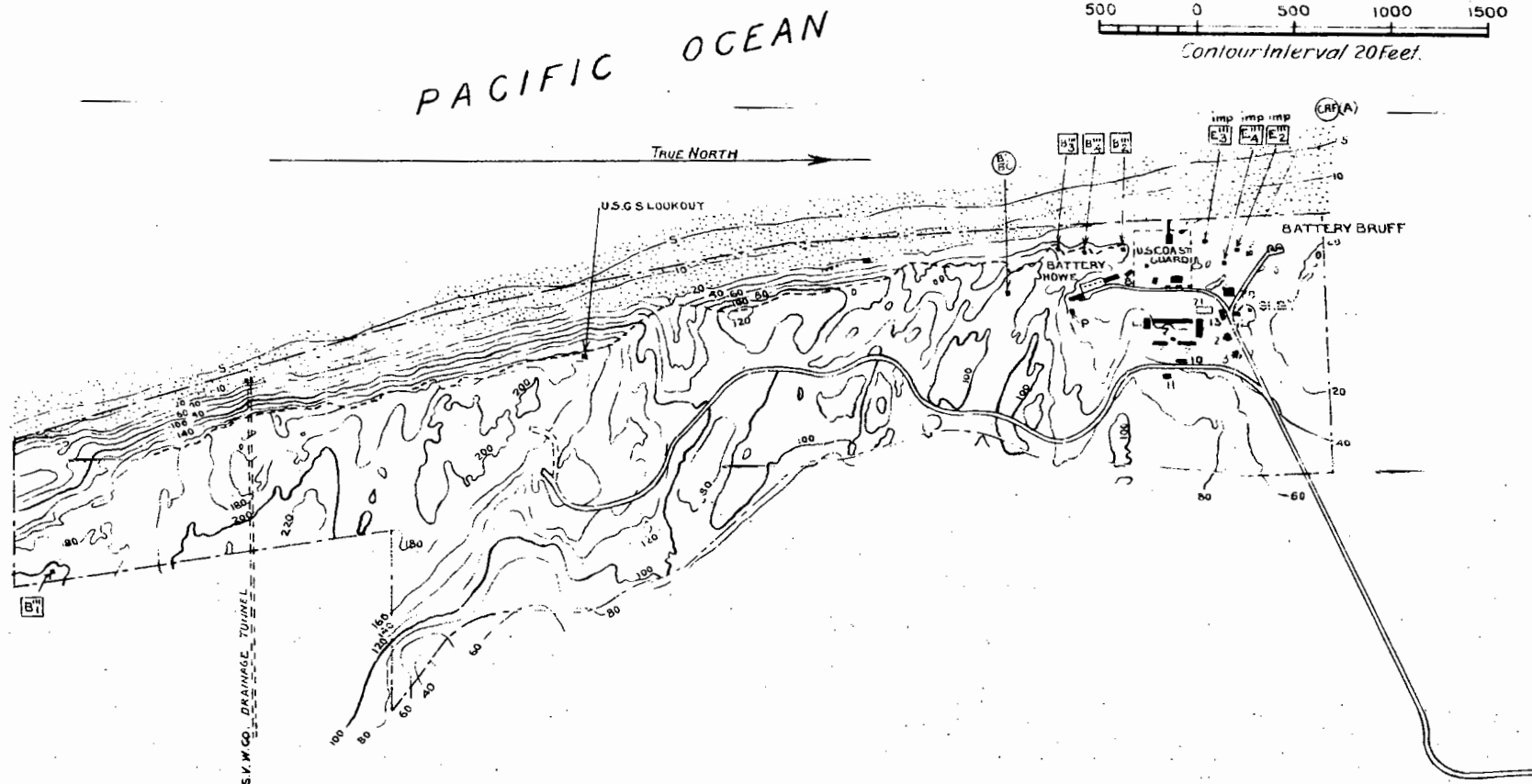
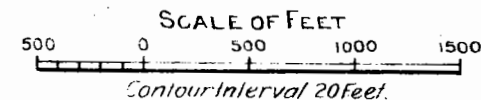
- 2 COMMANDING OFF. QRS.
- 3 OFFICER'S QUARTERS.
- 7 BARRACKS
- 8 GUARD HOUSE.
- 10 BLACKSMITH AND ELECTRIC SHOP.
- 11 COAL BIN.
- 12 GARAGE.
- 13 STOREHOUSE.
- 70 Y.M.C.A.
- 71 BASKETBALL COURT.

SERIAL NUMBER

CONFIDENTIAL

SAN FRANCISCO HARBOR FORT FUNSTON

- BATTERIES
- (A) BATTERY BRUFF 2-5" GUNS.
 - (1) BATTERY WALTER HOWE 4-12" MORTARS.



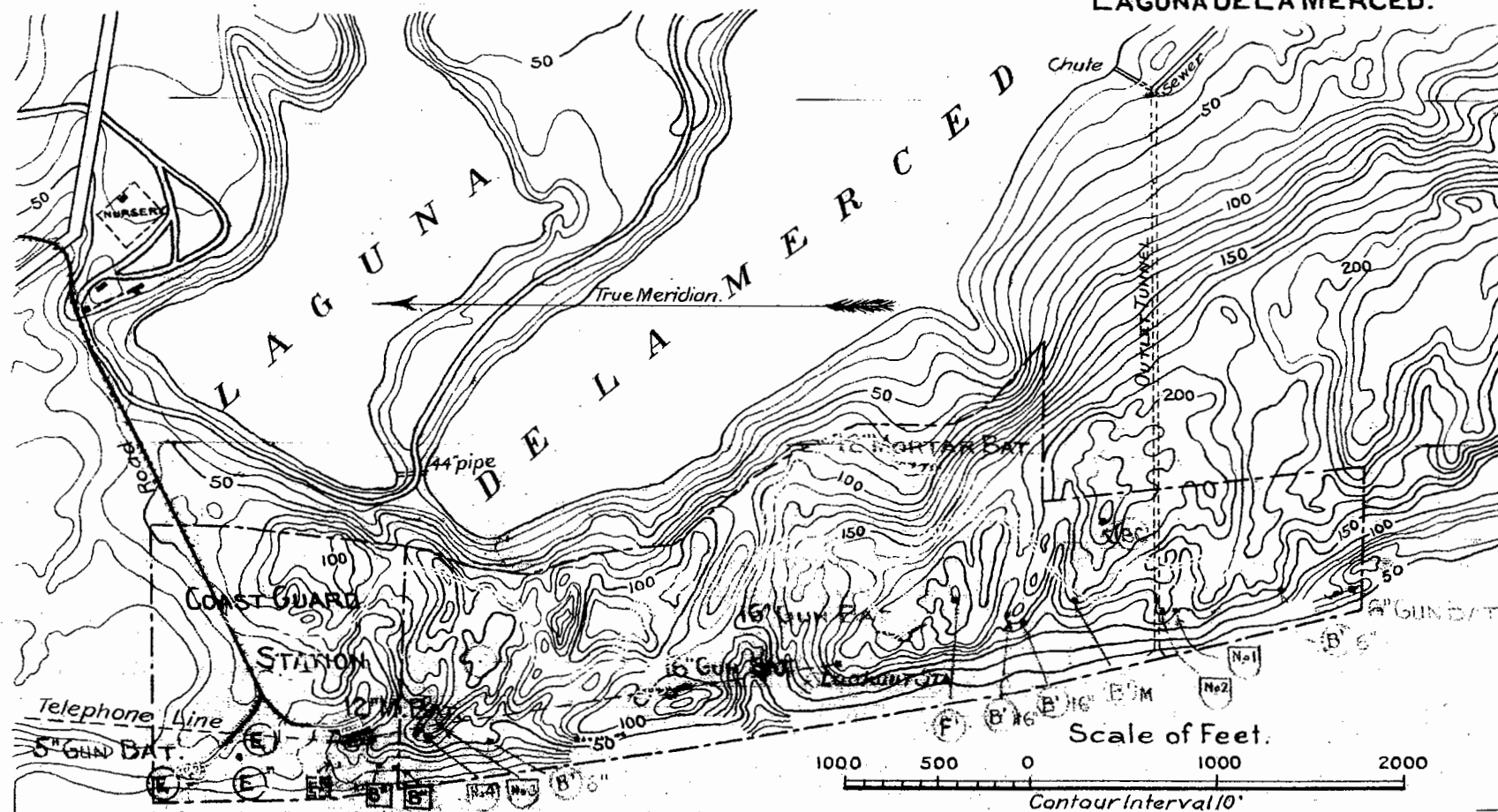
EDITION OF MAR. 3, 1919.

SERIAL NUMBER.

151

CONFIDENTIAL.

SAN FRANCISCO HARBOR
FORT FUNSTON
LAGUNA DE LA MERCED.



Authority: JAWD 735026
By: M. NARA Date 7-21-60

REPRODUCED FROM THE NATIONAL ARCHIVES
BY THE NATIONAL ARCHIVES

EDITION OF MAR. 3, 1919.

SERIAL NUMBER.

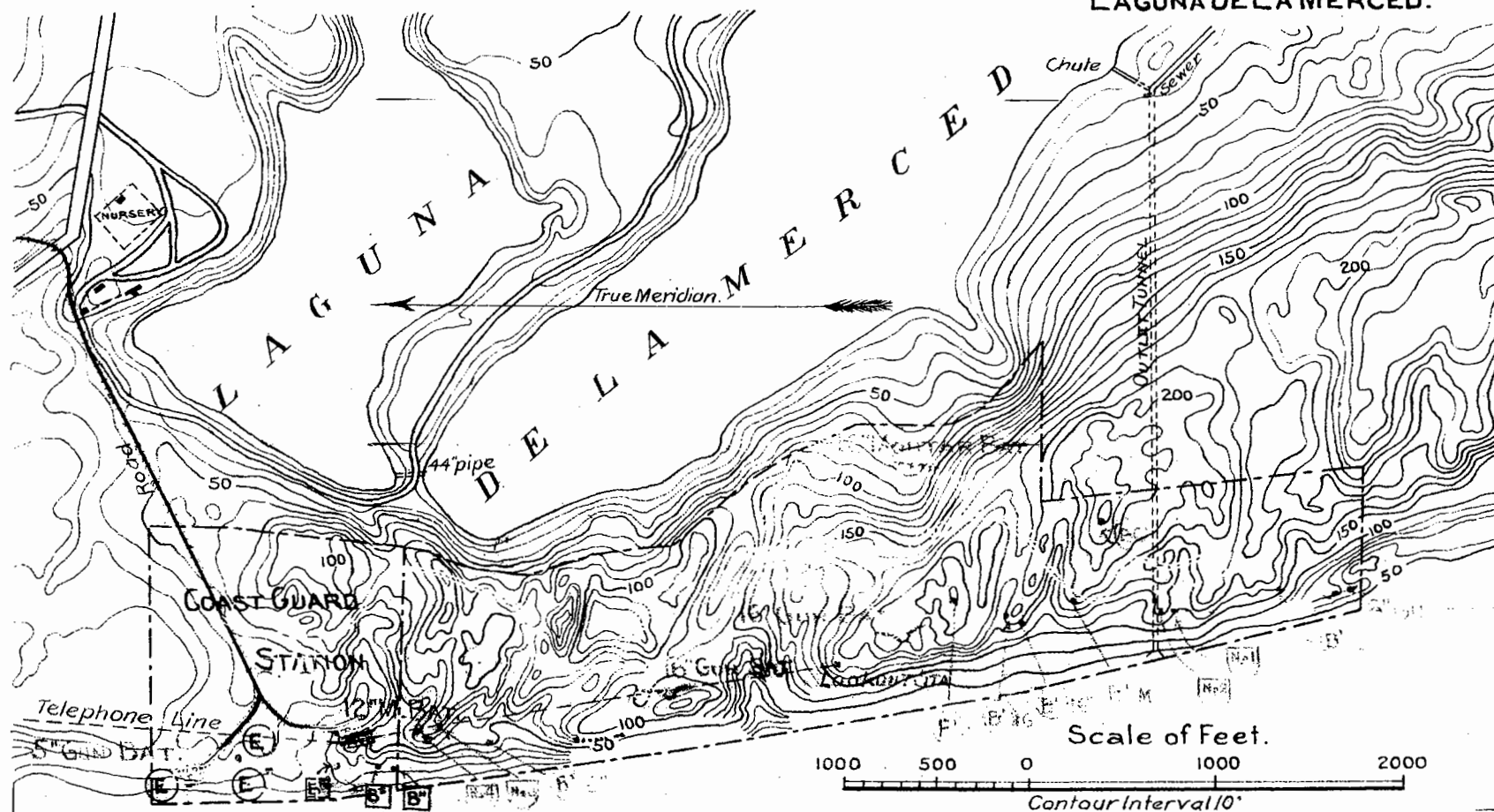
151

CONFIDENTIAL.

SAN FRANCISCO HARBOR

FORT FUNSTON

LAGUNA DE LA MERCED.



Authority 1100 135036
By M NARA Date 7-21-00

CONFIDENTIAL

0-129 600.914-65 San Fran) CM 69739
REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS

(Central Traverse Magazine)

Form 1 Corrected to (July 1943)

Declared Surplus
Disposition Form from Dept. dated 10 May 48
file 2560P/K: 51001 subject: H.D. installations
(Declared Surplus) includes Fire Control
HARBOR DEFENSES OF SAN FRANCISCO
FORT FUNSTON, CALIFORNIA
BATTERY RICHMOND, P. DAVIS
No. of Guns 2 Caliber 50 Carriage L.F.

GENERAL:

Battery commenced Nov. 1936
Battery completed May 1, 1940
Date of transfer Sept. 21, 1940
Cost at date of transfer \$670,356.49
Materials of construction Reinf. Concrete
Types of cement Conf. to Fed.

LATER & SEWER:

Connected to water supply Spec. SS-C-191 (for cement)
Connected to sewer Yes
Type of latrine Reinf. Concrete

Trunnion elevation in btry Gun #1-195.82
Datum plane Gun #2-195.80
M.L.L.W

ELECTRIC CURRENT:

Sources of
Max. kw. required for lights
Max. kw. required for motors

Present condition of battery New
Rooms wet or dry Dry

How ventilated
Type of data transmission

Remarks- (See reverse side)

Battery Power Plant

50.06 at 125 Volts
282.32 at 125 Volts

Ventilating Doors. 18" diameter vent shafts
in Magazines. Transite vent covers.
Telephone (Installed by Signal Corps)

ARMAMENT

Emplacement or mortar No.	Cal.	length	Guns or Mortars				Type	Carriages			Motor
			model*	Serial No.	Manufacturer	mounted		model	Serial No.	Manufacturer	
Gun #1	50	68 ft.	1919	64	Navy	yes	Barb.	1919	10	Navy	Each Gun
Gun #2	50	68 ft.	1919	74	Navy	yes	Barb.	1919	14	Navy	Elev. Moto
3											50 H.P
4											Rammer Mo
5											30 H.P
6											Traverse M
7											7-1/2"
8											Comp. 30 H

HOISTS

Emplacement Number	Type	Delivery	Motor					Type of control	Date of transfer	Remodeled for long points
			Serial No.	Maker	H.P.	Volts	RPM			
1			One level Battery - No Ammunition Hoists required							
2			Twenty-five 1-1/2 ton, hand-powered for conveying shells to guns.							

Notes: (see reverse side)

Note: (see reverse side)

CONFIDENTIAL

Authority 1140735936
By NARA Date 7-21-00

Note: The Central Traverse Magazine includes two gun emplacements in casemates, two magazines, several storerooms and a power room. Cost to date of transfer, if Plotting and Switchboard Room, Radio Station, B. C. Station, boundary fence, utilities, protective concealment, and maintenance to date of transfer are included \$893,138.47.

Prison Type Bunks

Prison type steel bunks installed in corridors to accommodate one hundred and fifty men per dwg. file 59-10-3 Sheet 1.

Installation completed and accepted 16 August 1943.

TOTAL COST (WOW) \$2100.00

DESIGNED BY: [illegible]
 DRAWING NO: [illegible]
 SCALE: [illegible]
 DATE: [illegible]
 CHECKED BY: [illegible]
 APPROVED BY: [illegible]
 TITLE: [illegible]

NO. OF SHEETS: [illegible]
 SHEET NO: [illegible]
 NO. OF COPIES: [illegible]
 COPIES TO: [illegible]
 COPIES FOR: [illegible]
 COPIES BY: [illegible]

OFFICE DIVISION ENGIN E-
 PACIFIC DIVIS ON
 NOV 16 43-11 30 AM
 SAN FRANCISCO, CALIFOR NIA

NO. OF COPIES: [illegible]
 BY: [illegible]
 DATE: [illegible]

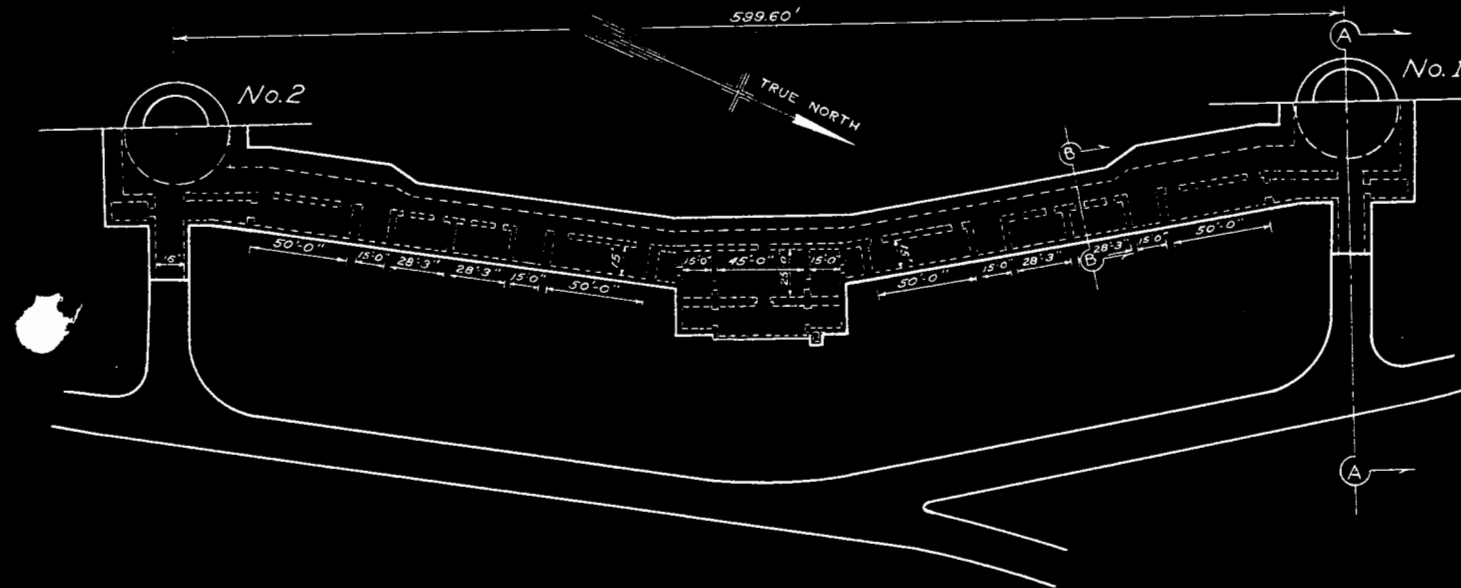
Authority **UND 735036**
 By **NARA** Date **7-21-00**

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
BATTERY PLAN

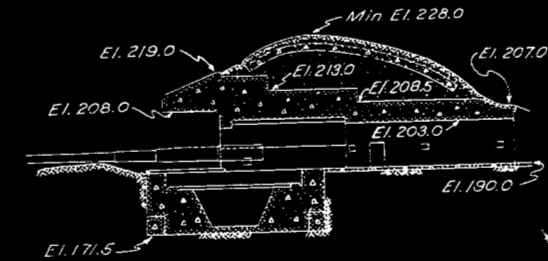
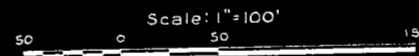
FORM 7

CORRECTED TO SEPT. 21, 1940

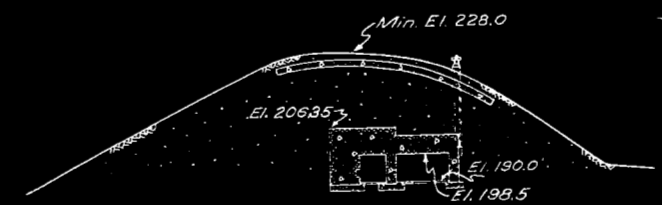
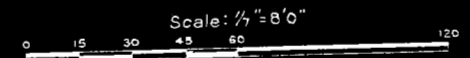
HARBOR DEFENSES OF SAN FRANCISCO
FORT FUNSTON CALIF.
BATTERY - RICHMOND P. DAVIS
NO. OF GUNS 2 CALIBER 50 CARRIAGE LF
SCALE AS SHOWN



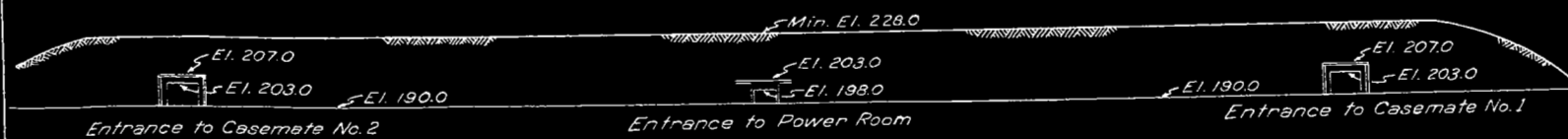
PLAN OF BATTERY



SECTION A-A



SECTION B-B



REAR ELEVATION

Authority WD 735036
By MA NARA Date 7-21-00

662 (San Francisco) (111) 38598

CONFIDENTIAL

O-129

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Gun and Mortar Batteries)HARBOR DEFENSES OF .San Francisco.
FORT Funston
BATTERY Bluff,
No. of Guns 4 Caliber 155 MM Carriage Mobile

Form 1 Corrected to Jan. 18, 1943

GENERAL:

Battery commenced 12-29-41
 Battery completed 2-18-42
 Date of transfer July, 19, 1943
 Cost at date of transfer \$13,904.71
 Materials of construction Concrete-Stl.
 Types of cement Portland

WATER & SEWER:

Connected to water supply No
 Connected to sewer No
 Type of latrine none

Trunnion elevation in btry. Mobile Mounts
 Datum plane Variable
 MLLW

ELECTRIC CURRENT:

Sources of
 Max. kw. required for lights
 Max. kw. required for motors

Not Casemated

Present condition of battery
 Rooms wet or dry
 How ventilated
 Type of data transmission

Remarks-

Transfer of Panama mounts only.

ARMAMENT not installed by Corps of Engineers.

Emplacement or mortar No.	Cal.	length	Guns or Mortars			Carriages					
			model*	Serial No.	Manufacturer	mounted	Type	model	Serial No.	Manufacturer	Motor
1											
2											
3											
4											
5											
6											
7											
8											

HOISTS

Emplacement Number	Type	Delivery	Motor				Type of control	Date of transfer	Remodeled for long points
			Serial No.	Maker	H.P.	Volts			
1									
2									

Incl. 1a⁺ Proj. Card 78**CONFIDENTIAL**
 Authority NND 735036
 By NARA Date 7-21-00

REPORT OF COMPLETED WORKS - SEA COAST FORTIFICATIONS

CONFIDENTIAL

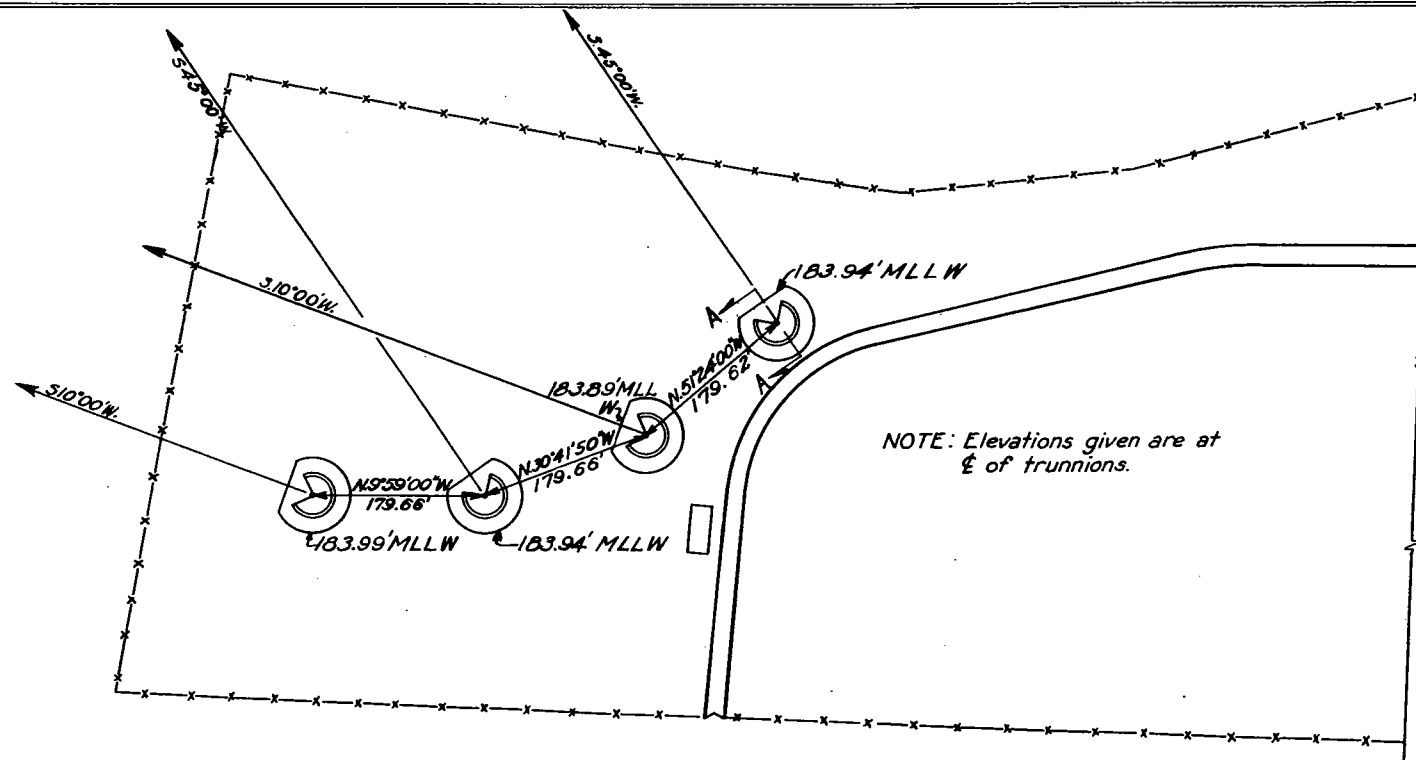
HARBOR DEFENSES OF SAN FRANCISCO
FORT FUNSTON, CALIFORNIA
155 MM GUN BATTERY
No. of guns-4 Caliber-155 MM. Carriage

Corrected to Jan. 18, 1943.

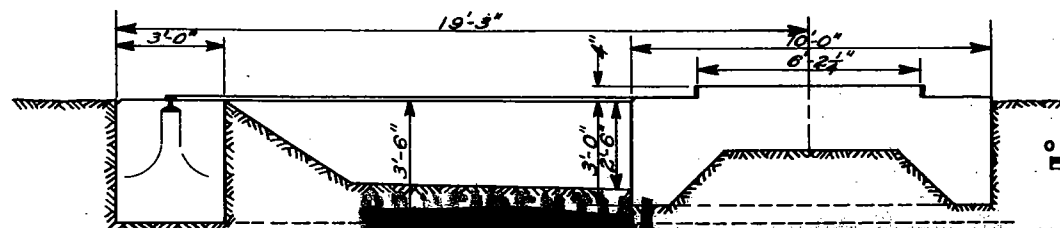


SCALE IN FEET

Form 7



LOCATION PLAN



SECTION A-A

Incl. II-6



SCALE IN FEET

DECLASSIFIED
DD Form 5200.9, Sept. 27, 1960
DCWH by [signature] date 6-11-79

Authority **WD 735036**
By **MA** NARA Date **7-21-00**

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Central Traverse Magazine)

Corrected to September 21, 1940

Form 1

HARBOR DEFENSES OF SAN FRANCISCO

FORT FUNSTON, CALIFORNIA

BATTERY RICHMOND P. DAVIS

No. of guns-2. Caliber-50. Carriage-L.F.

GENERAL		ELECTRIC CURRENT	
Battery commenced	: November 1936	: Sources of	: Battery Power Plant
Battery completed	: May 1, 1940	:	:
Date of transfer	: Sept. 21, 1940	: Max. KW. required for lights	: 50.06 at 125 volts
Cost to date of transfer	: \$670,356.49	: Max. KW. required for motors	: 282.32 at 125 volts
Materials of construction	: Reinf. Concrete	:	:
Type of cement	: Conf. to Fed. Spec.	: Present condition of battery	: New
	: SS-C-191 (for	: Rooms wet or dry	: Dry
	: cement)	:	:
WATER AND SEWER:	:	:	:
Connected to water supply	: Yes	: How ventilated	: Ventilating Doors. 18" diameter vent
Connected to sewer	: Yes	:	: shafts in Magazines. Transite vent covers.
Type of latrine	: Reinf. Concrete	: Type of data transmission	: Telephone (Installed by Signal Corps)
Trunnion elevation in btry	: Gun #1 - 195.82	: Remarks	:
	: Gun #2 - 195.80	:	:
Datum plane	: M.L.L.W.	:	:
	:	:	:

ARMAMENT									
Emplacement::		Guns or Mortars				Carriages			
Number	: Cal.	: Length	: Model	: Serial No.	: Manufacturer	: Mounted	: Type	: Model	: Serial No.
Gun #1	: 50	: 68 ft.	: 1919	: 64	: Navy	: yes	: Barbette	: 1919	: 10
Gun #2	: 50	: 68 ft.	: 1919	: 74	: Navy	: yes	: Barbette	: 1919	: 14
	: :	: :	: :	: :	: :	: :	: :	: :	: :
	: :	: :	: :	: :	: :	: :	: :	: :	: :
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HOISTS									
Emplacement::		Motor				Remodeled			
Number	: Type	: Delivery	: Serial No.	: Maker	: H.P.	: Volts	: RPM	: Type of control	: Date of transfer

Note: The Central Traverse Magazine includes two gun emplacements in casemates, two magazines, several storerooms and a power room. Cost to date of transfer, if Plotting and Switchboard Room, Radio Station, B.C. Station, boundary fence, utilities, protective concealment, and maintenance to date of transfer are included - \$893,138.47.

superseded - See Form 1 corrected to July 1943

Authority WD 735676
By NARA Date 7-21-00

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

HARBOR

~~COAST~~ DEFENSES OF..... San Francisco.....
FORT..... Funston.....
BATTERY... 3-inch anti-aircraft guns.....
No. of guns 2 Caliber 3" Carriage Fixed

Form 1 Corrected to Aug. 1, 1929.

Battery commenced	1920 *	Source of electric current	Storage battery AC comm. power
Battery completed	1925 *		
Date of transfer	--	Max. kv. required for lights	1/4 K.W.
Material of construction	Concrete	Max. kw. required for motors	None
Portland or Rosendale cement	Portland		
Cost to date before transfer	\$1,092.86	Present condition of battery	Good
Connected to water supply	No	Rooms wet or dry	No rooms
Connected to sewer	No	How ventilated	No ventilation
Type of latrine	None		
Type of data transmission	None	Remarks-	* Gun plugs built in 1920; baserings set in 1925.
Trunnion elevation in battery	#1-131.0 #2-126.9		
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	3"	174.65"	1917MI	#97	Watervliet Ars.	A.A.	1917	#125	Watertown Ars.	None
2	3"	174.65"	1917MI	#116	" "	A.A.	1917	#157	" "	"
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.

AC commercial power to be supplied to this battery. 675.1 (San Fran.) CM 1319 7/16/42

Authority NND 735636
By NARA Date 7-21-00

CONFIDENTIAL

SPEKM-1

600.914 (San Fran) CM 69739
REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
POWER & STOREROOM

HARBOR DEFENSES OF SAN FRANCISCO
PORT FUNSTON
STRUCTURE.. POWER AND STOREROOM 3" A.A. Battery

PART II Corrected to JULY 1943

STRUCTURE: x.....
Location (by coordinates) y.....
Location (by site description) .. Fort Funston
Date of transfer... 24 September 1943
Cost to that date... \$21,050.81 *
Type (for observing stat.--tower, dug-in,
cottages, etc.)... Dug-in
Type of construction.....
(a) Roof Reinforced concrete
(b) Remainder of bldg. Reinforced concrete
How concealed Earth cover and camouflage
How protected Earth cover
Height above concealment .. Not above concealment
Height above protection .. Not above protection
Conspicuous atyards... Not conspicuous

INSTRUMENTS & EQUIPMENT:
Type of observing inst. None
Type of plotting board None

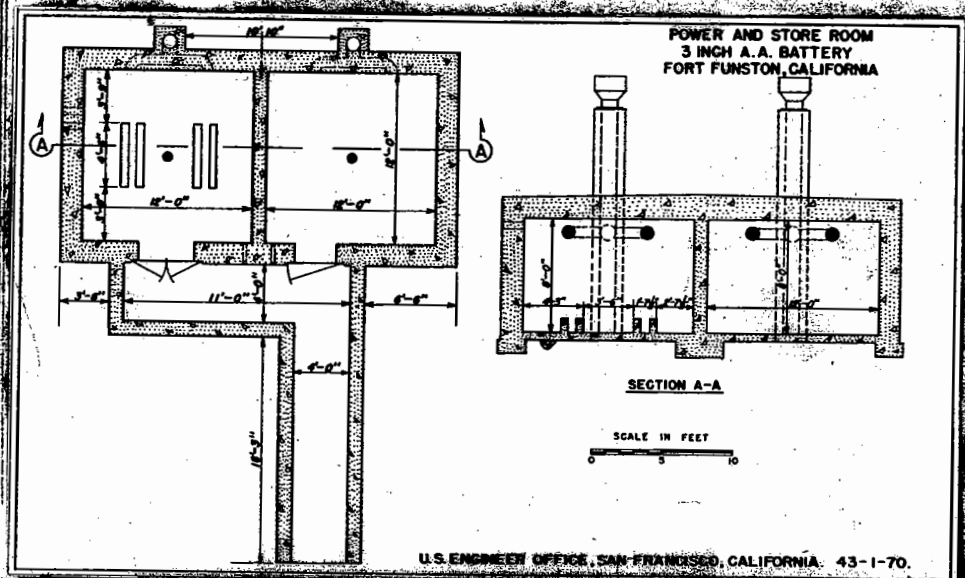
DATA TRANSMISSION:
Type
Date of transfer

TIDE STATION:
Give description of tide gauge

* Includes cost of magazine
** Generators installed by others

UTILITIES:
Electric Power Yes
Source of Power Room (See note)**
Characteristics: Voltage....Ac or DC..Phase.....
Kilowatts required..0.5.....
Type of lighting fixtures..SF.1 (U.S.E.D.)
Heat
How heated .. Not Heated.
Water Sewer
Connected to water mains..(By others)
Connected to sewer.....(By others)
Type latrine(By others)

REFERENCE:
Reference of site.....
Reference of instrument axis... None



CONFIDENTIAL

Authority AND 735036
By NARA Date 7-21-00

ED Form A-162B
16 Sept. 1943

REPRODUCED AT THE NATIONAL ARCHIVES

REPORT OF COMPLETED WORK— SEACOAST FORTIFICATIONS
(Location plan & Sections— Battery, Magazine & Power & Store Rm)

600.914 (San Fran.) CM 69739

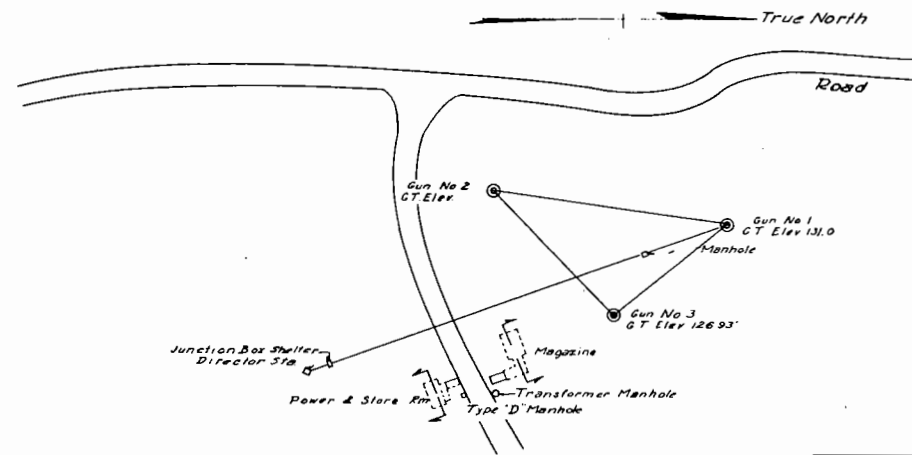
~~CONFIDENTIAL~~

HARBOR DEFENSES OF SAN FRANCISCO
FORT FUNSTON, CALIFORNIA
ANTI AIRCRAFT BATTERY

Number of Guns— 3. Caliber— 3" Carriage— 1917
Scales as shown.

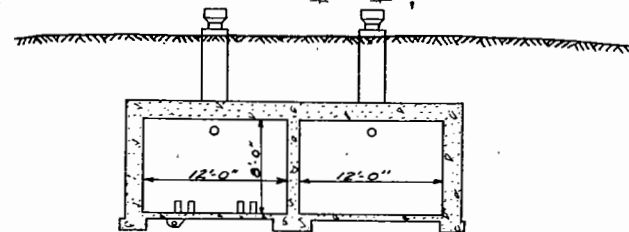
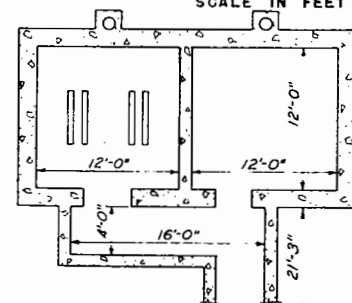
FORM 7.

Corrected to July 20, 1943.



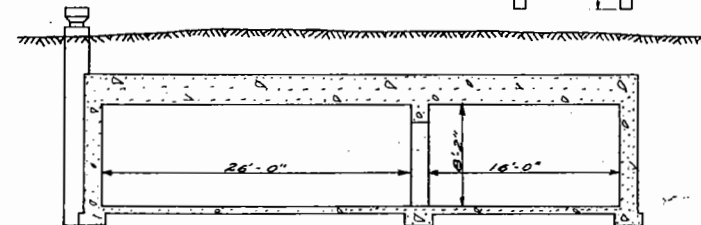
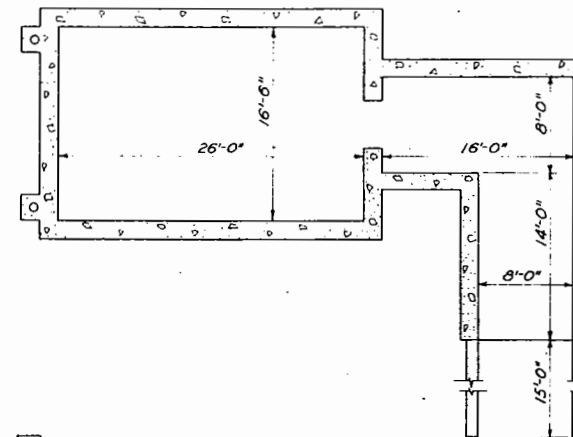
LOCATION PLAN

100 50 0 100 200
SCALE IN FEET



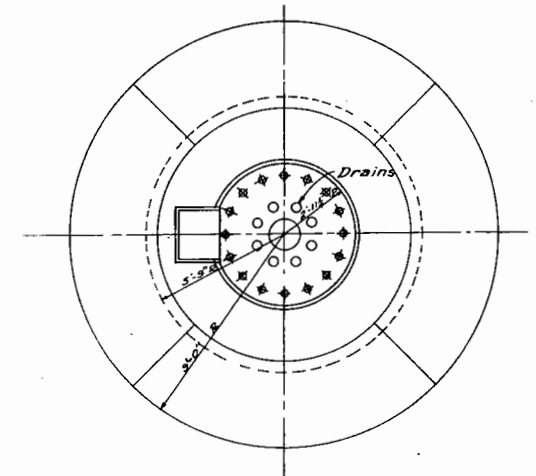
POWER & STORE RM

10 0 10 20
SCALE IN FEET

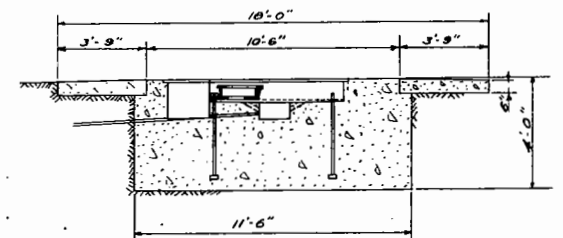


MAGAZINE

10 0 10 20
SCALE IN FEET



FIRING PLATFORM



SECTION ON CENTER LINE

5 0 5 10
SCALE IN FEET

DECLASSIFIED

DOD Dir. 5200.9, Sept. 27, 1958
NCWN by *af* date 8-1-70

~~CONFIDENTIAL~~

Authority *WD 735036*
By *af* NARA Date *7-21-00*

CONFIDENTIAL

600.914 (San Fran) CM 69739

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
MAGAZINE

PART II

Corrected to July 1943

HARBOR DEFENSES OF SAN FRANCISCO.....
FORT ..Funston, California.....
STRUCTURE...Magazine 3" AA Battery.....

STRUCTURE: x.....
 Location (by coordinates) y.....
 Location (by site description) ..Fort Funston.....
 Date of transfer.....24 September 1943.....
 Cost to that date.....\$21,050.81 *.....
 Type (for observing stat.--tower, dug-in,
 cottages, etc.).....dug-in.....
 Type of construction.....
 (a) RoofReinforced Concrete.....
 (b) Remainder of bldg. Reinforced Concrete.....
 How concealedEarth Cover and Camouflage.....
 How protectedEarth Backfill.....
 Height above concealment ..Not above concealment.....
 Height above protection ..Not above protection.....
 Conspicuous atyards..Not conspicuous.....

UTILITIES:
 Electric PowerYes.....
 Source ofPower room for 3" AA.....
 Characteristics: Voltage....Ac or DC..Phase.....
 Kilowatts required..6.5.....
 Type of lighting fixtures..S.F.L. (U. S. E. D.).....
 Heat.....
 How heatedNot heated.....
 Water Sewer.....
 Connected to water mains...No.....
 Connected to sewer.....No.....
 Type latrineNone.....

REFERENCE:

Reference of site.....
 Reference of instrument axis..None.....

INSTRUMENTS & EQUIPMENT:

Type of observing inst. ..None.....
 Type of plotting board ..None.....

DATA TRANSMISSION:

Type
 Date of transfer

TIDE STATION:

Give description of tide gauge

* Includes cost of Power and Store Room

Paste on blue print showing
 plan of each story of building,
 giving principal dimensions,
 including height of ceiling.

For Sections see attached Form 7

92-4882

CONFIDENTIAL

ED Form A-162B
 16 Sept. 1943

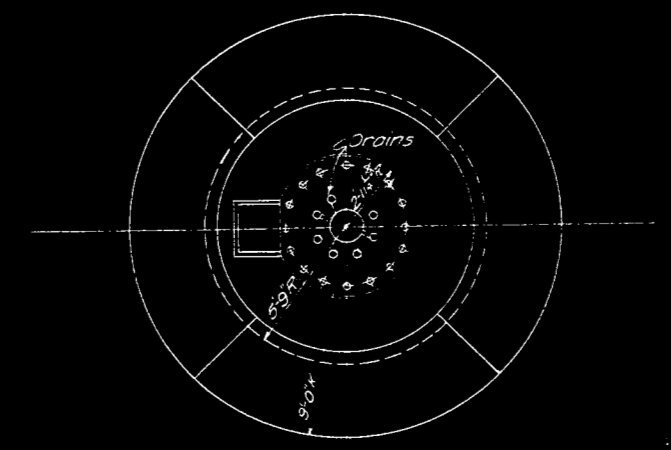
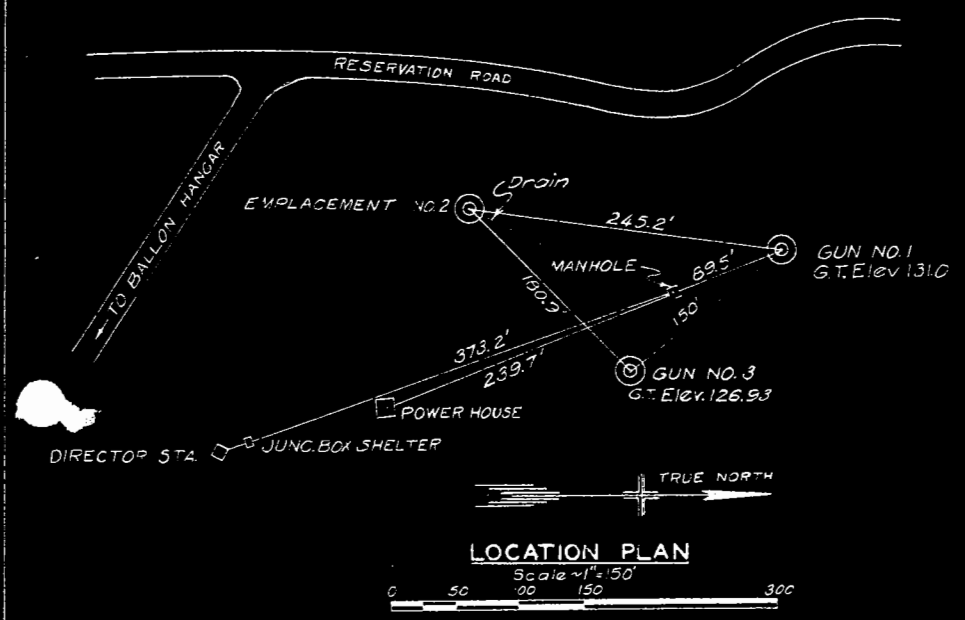
Authority 44ND 735036
 By NARA Date 7-21-00

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS (BATTERY PLAN)

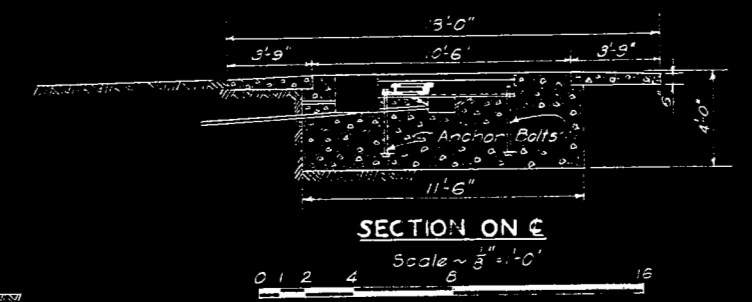
FORM 7

CORRECTED TO AUG. 27, 1938

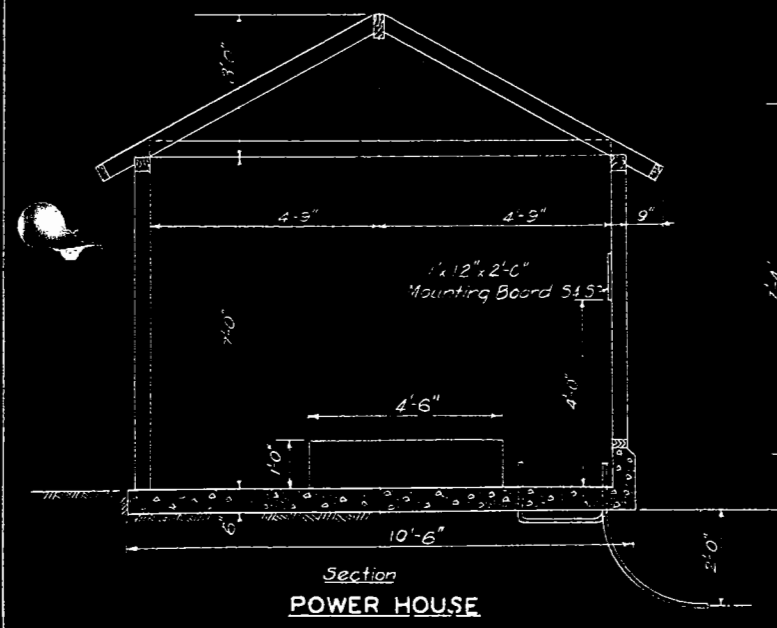
HARBOR DEFENSES OF SAN FRANCISCO
FORT FUNSTON, CALIF.
ANTI AIRCRAFT BATTERY
NO OF GUNS 2 - CALIBER 3" CARRIAGE 1917
SCALES AS SHOWN



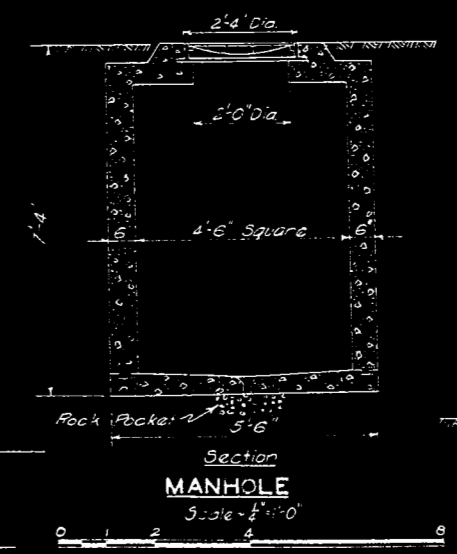
FIRING PLATFORM



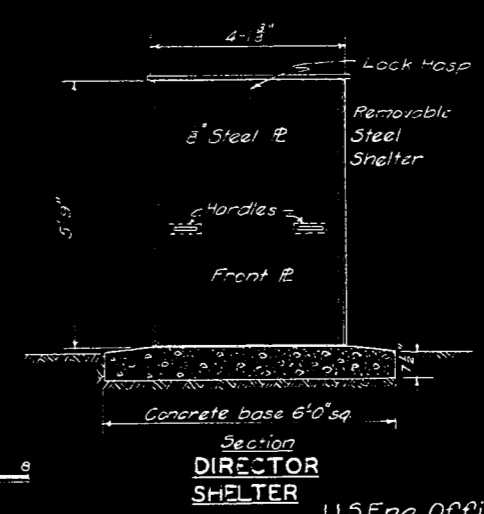
SECTION ON G



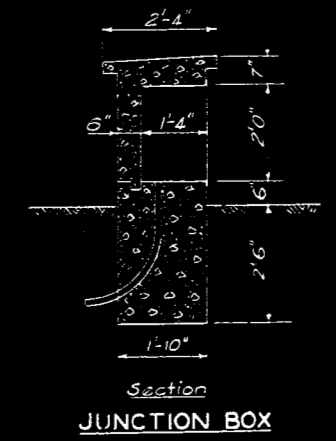
Section POWER HOUSE



Section MANHOLE



Section DIRECTOR SHELTER



Section JUNCTION BOX

Authority **1110735036**
By **NA** NARA Date **7-21-00**

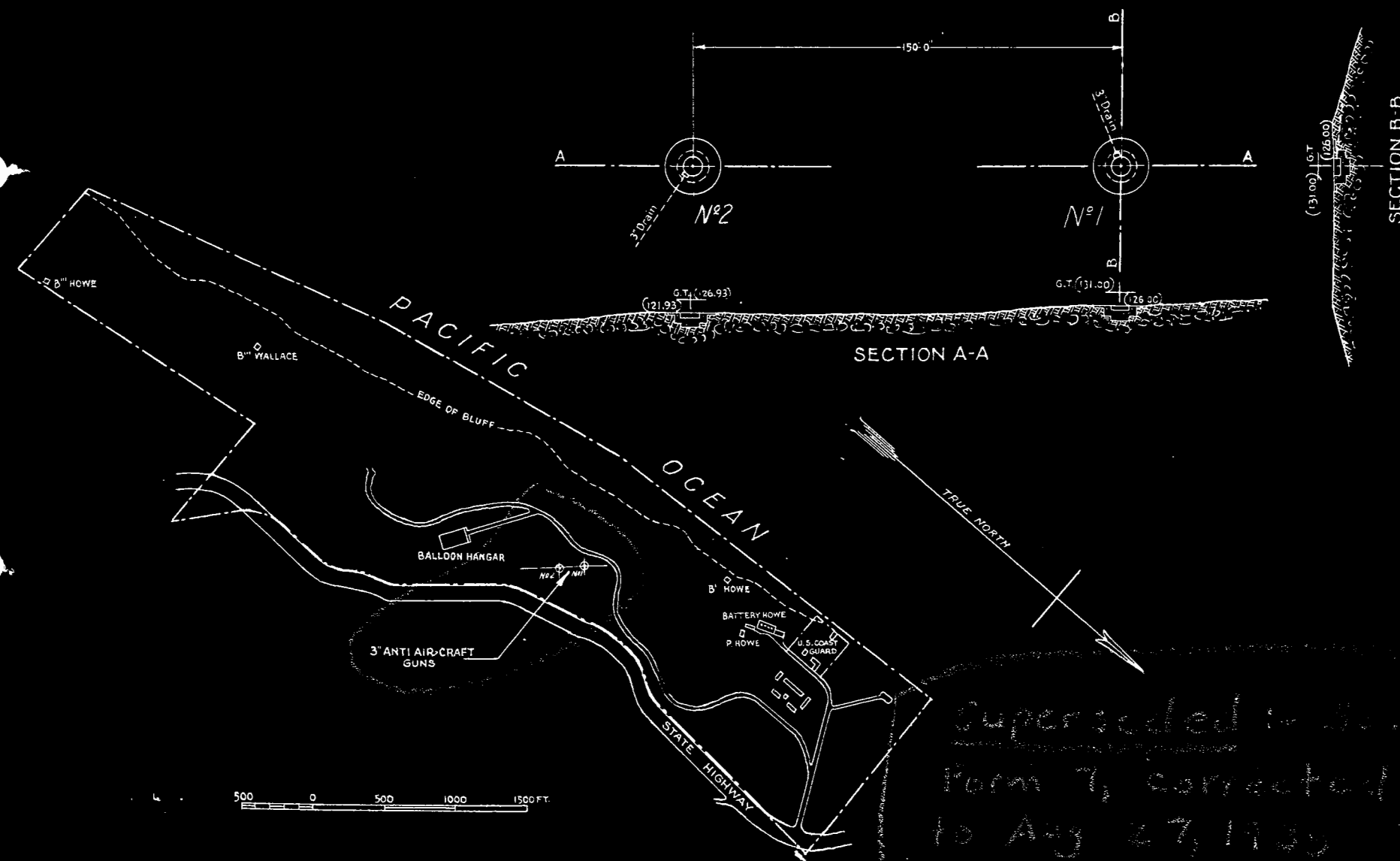
REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS (BATTERY PLAN)

CORRECTED TO AUG. 1, 1929

HARBOR DEFENSES OF SAN FRANCISCO, CAL.
FORT FUNSTON,
ANTI AIR-CRAFT BATTERY
Nº OF GUNS 2: CALIBER 3^{IN}: MODEL 1917 M.I.

FORM-7

10 0 50 100 150 FT.



Superseded by No. 1
Form 7, corrected
to Aug 27, 1935

Authority AND 735036
By MA NARA Date 7-21-00

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

COAST DEFENSES OF SAN FRANCISCO, CALIF.
FORT PUNSTON, CALIF.
BATTERY WALTER HOWE
No. of ~~guns~~ FOUR Caliber 12-INCH Carriage MORTAR

Form 1 Corrected to OCT 1 - 1927

Battery commenced ----- 1917
Battery completed ----- 1918
Date of transfer ----- Jan. 30, 1919.
Material of construction ----- Concrete.
Portland or Rosendale cement ----- Portland.
Cost to date of transfer ----- \$8,355.93
Connected to water supply ----- Yes.
Connected to sewer ----- Yes.
Type of latrine ----- Syphon.
Type of data transmission ----- Telephone.

Source of electric current ----- Commercial power, aerial lines.
Max. kw. required for lights ----- 5 K.W.
Max. kw. required for motors ----- No motors.
Present condition of battery ----- Good.
Rooms wet or dry ----- Dry.
How ventilated ----- Windows and terra cotta vent. pipes.
Remarks ----- Plotting room and guard room, wooden frame structures.

~~Transfer~~ Elevation, in floor -----
Battery of pits ----- 25.0
Datum plane ----- M.L.L.W.

ARMAMENT.

Emplacement		Mortars					Carriages					
or mortar No.		Cal.	length	model	Serial No.	Manufacturer	mounted	Type	model	Serial No.	Manufacturer	Motor
1	PIT A 1	12"	11'8"	1890M1	23	Builders I.Fdy.	Yes	Steel	1890M1	96	Robt.Poole Sons	None
2	PIT A 2	12"	11'8"	1890M1	28a	Watervliet Ars.	Yes	Steel	1890M1	95	do.	requires
3	PIT B 1	12"	11'8"	1890M1	46	do.	Yes	Steel	1890M1	80	do.	
4	PIT B 2	12"	11'8"	1890M1	22b	Bethlehem S.Co	Yes	Steel	1890M1	79	do.	
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.

* Ordered salvaged 40a. 93 (San Fran) 120473

Authority NND 735036
By NARA Date 7-21-00

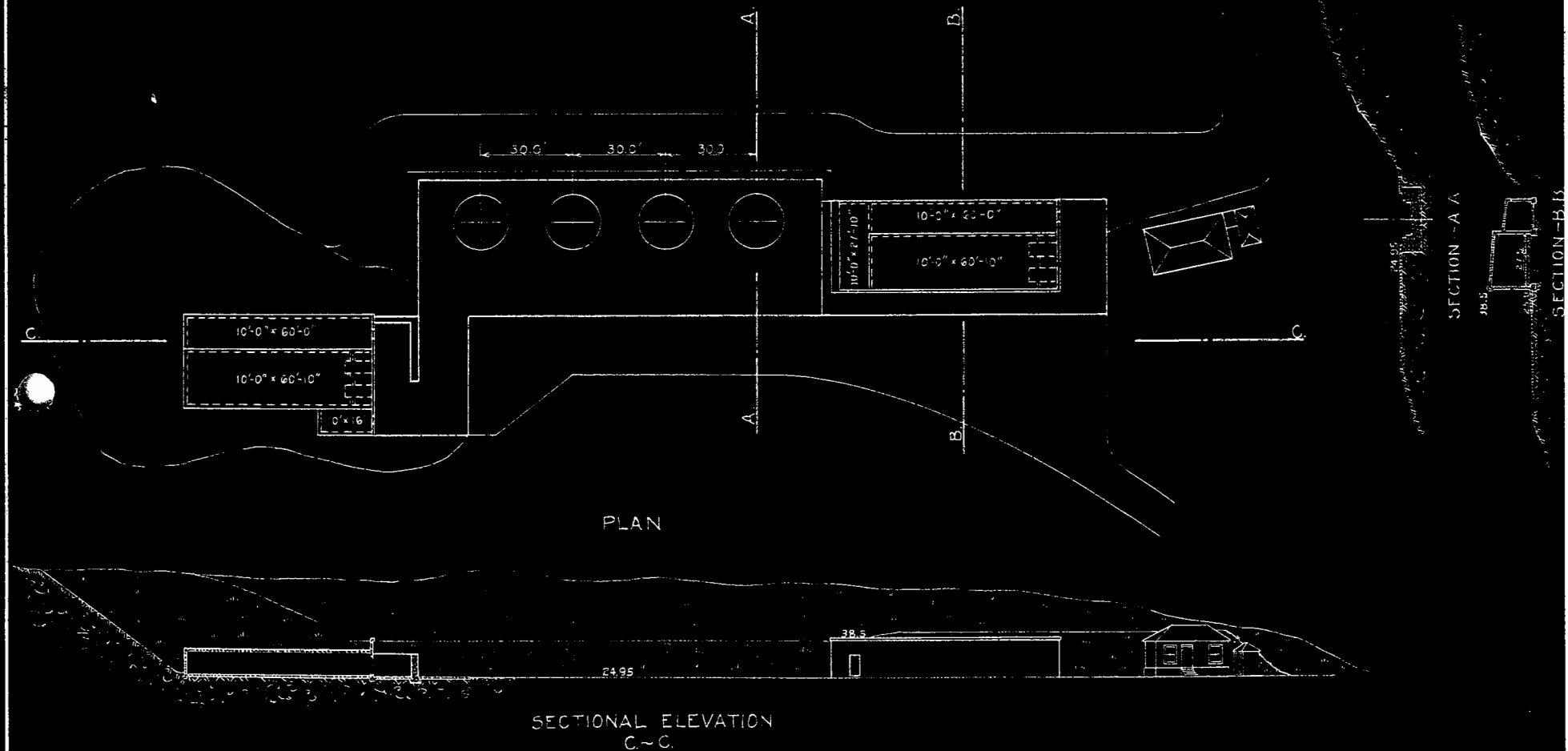
REPORT OF COMPLETED WORKS ~ SEACOAST FORTIFICATIONS (BATTERY PLAN)

CORRECTED TO DEC. 1919.

COAST DEFENSES OF SAN FRANCISCO, CAL.
FORT FUNSTON
BATTERY WALTER HOWE
NO OF MORTARS 4: CALIBER 12" MORTAR CARRIAGES

FORM-7

10 0 50 100 200 FEET



Superseded

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

COAST DEFENSES OF... SAN FRANCISCO, CAL.
FORT. FUNSTON, CAL.
BATTERY, WALTER HOWE
No. of ~~guns~~ ^{Mortars} FOUR Caliber 12-INCH Carriage MORTAR

Form 1 Corrected to MAR 1 1920

Battery commenced	1917	Source of electric current	Commercial power, Aerial lines.
Battery completed	1918		
Date of transfer	Jan. 30, 1919.	Max. kw. required for lights	3.3 K.W.
Material of construction	Concrete.	Max. kw. required for motors	No motors.
Portland or Rosendale cement	Portland.		
Cost to date of transfer	\$8,355.93		
Connected to water supply	Yes.	Present condition of battery	Good.
Connected to sewer	Yes.	Rooms wet or dry	Dry.
of latrine	Syphon.		
Type of data transmission	Telephone.	How ventilated	Windows.
Transmission elevation in floor		Remarks	Plotting room, Guard room and temporary tool room, all wooden frame structures. no magazine ^{not provided} . Magazines under construction.
bottom of pits	25.0		
Datum plane	M.L.L.W.		

ARMAMENT.

Emplacement or mortar No.	Mortars				mounted	Carriages				
	Cal.	length	model	Serial No.		Type	model	Serial No.	Manufacturer	Motor
1 PIT A 1	12"	11'8"	1890M1	23	Yes.	Steel	1896M1	96	Robt. Peole Sons	None
2 PIT A 2	12"	11'8"	1890M1	28c	Yes.	Steel	1896M1	95	" "	"Corequired
3 PIT B 1	12"	11'8"	1890M1	46	Yes.	Steel	1896M1	80	" "	"
4 PIT B 2	12"	11'8"	1890M1	22b	Yes.	Steel	1896M1	79	" "	"
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.

Superseded See Form 1, Oct. 1, 1927

Authority WD 735036
By NARA Date 7-21-00

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

COAST DEFENSES OF... SAN FRANCISCO, CALIF.....
FORT... FORT MONTELEONE
BATTERY... BRUFF

Form 1	Corrected to	SEPTEMBER 1, 1923.	No. of guns	0	Caliber		Carriage	0
Battery commenced -----	1917.	Source of electric current --	Commercial power; aerial line.					
Battery completed -----	1918.							
Date of transfer -----	Jan. 30, 1919.	Max. kv. required for lights --	1.2 k.w.					
Material of construction ----	Concrete.	Max. kw. required for motors --	No motors.					
Portland or Rosendale cement	Portland.							
Cost to date of transfer -----	\$3,572.16							
Connected to water supply ----	No.	Present condition of battery --	Good.					
Connected to sewer -----	Yes.	Rooms wet or dry -----	No rooms.					
Type of latrine -----	None.							
Type of data transmission ----	Telephone.	How ventilated -----	No ventilation. **					
x Transmission Elevation int. crest		Remarks -----	**No magazines or rooms as yet constructed.					
of battery -----	39.0		Temporary shelter for projectiles and					
Datum plane -----	M.L.L.W.		powder provided by troops.					

ARMAMENT.

Emplacement or mortar No.	Guns or Mortars					Carriages					
	Cal.	length	model	Serial No.	Manufacturer	mounted	Type	model	Serial No.	Manufacturer	Motor
1											
2											
3											
4											
5											
6											
7											
8											

GUNS AND CARRIAGES REMOVED.
TWO
(PLATFORMS FOR 5-INCH GUNS ON BARBETTE CARRIAGES.)

HOISTS.

Emplacement Number	Type	Delivery	Motor						Date of transfer	Remodeled for long points.
			Serial No.	Maker	H.P.	Volts	RPM	Type of Control		
1										
2										
3										
4										

NO HOISTS REQUIRED.

Authority **AND 735036**
By **MT** NARA Date **7-21-00**

REPORT OF COMPLETED WORKS ~ SEACOAST FORTIFICATIONS
(BATTERY PLAN)

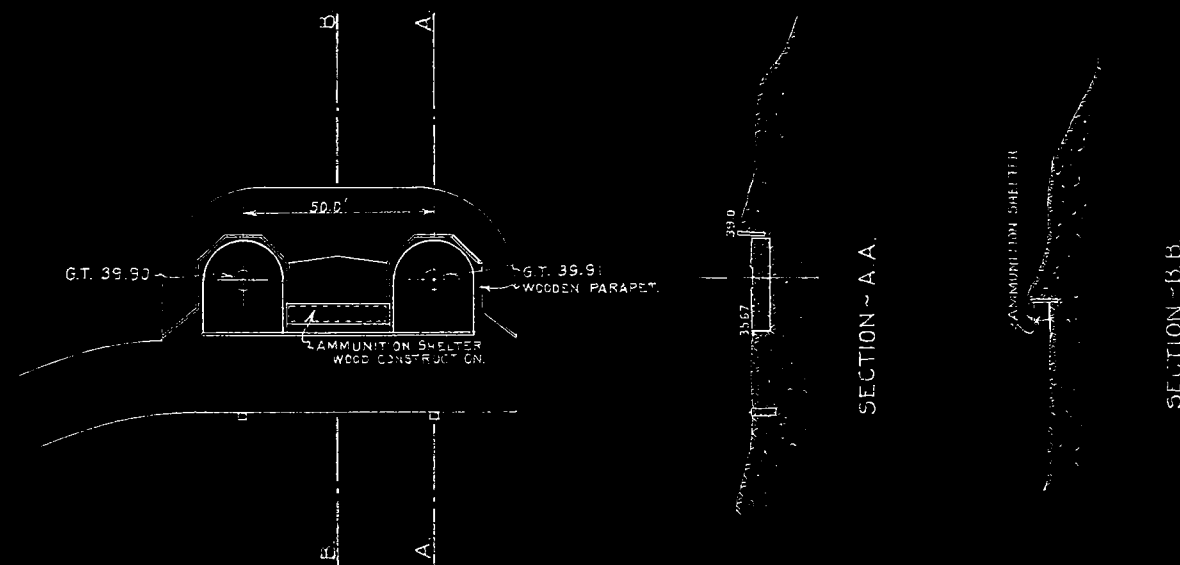
COAST DEFENSES OF SAN FRANCISCO, CAL.
FORT FUNSTON
BATTERY BRUFF

CORRECTED TO AUG. 1923.

NO. OF GUNS 0: CALIBER --: NO. OF CARRIAGES 0
EMPTS FOR 5" GUNS, BARBETTE CARRIAGES.

FORM-7

10 0 50 100 50 FEET



Authority WD 735036
By ME NARA Date 7-21-00

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(FIRE CONTROL STRUCTURE)

HARBOR DEFENSES OF .SAN FRANCISCO.....
FORT ...FUNSTON, CALIFORNIA.....
STRUCTURE.....Funston Groupment...?

PART II Corrected to June 1944

STRUCTURE: x...122° 30' 07.836".....
Location (by coordinates) y....37° 42' 51.942".....
Location (by site description) .Ft. Funston approx. 1200'
Date of transfer..14 Nov. 1941* So. of Gun #2 Batt. Davis
Cost to that date. \$5608.18**.....
Type (for observing stat.--tower, dug-in,
cottages, etc.).....
Type of construction.....
(a) Roof .Reinforced concrete and steel.....
(b) Remainder of bldg. Reinforced concrete and steel
How concealed Earth cover and vegetation.....
How protected Earth cover and vegetation.....
Height above concealment .Not above concealment.....
Height above protection ..Not above protection.....
Conspicuous at ...400...yards. Not conspicuous from sea.

INSTRUMENTS & EQUIPMENT:
Type of observing inst. .DPT. M1. Class 3. #107.....
Type of plotting board .none.....

DATA TRANSMISSION:
TypeTelephone installed by Signal Corps
Date of transfer

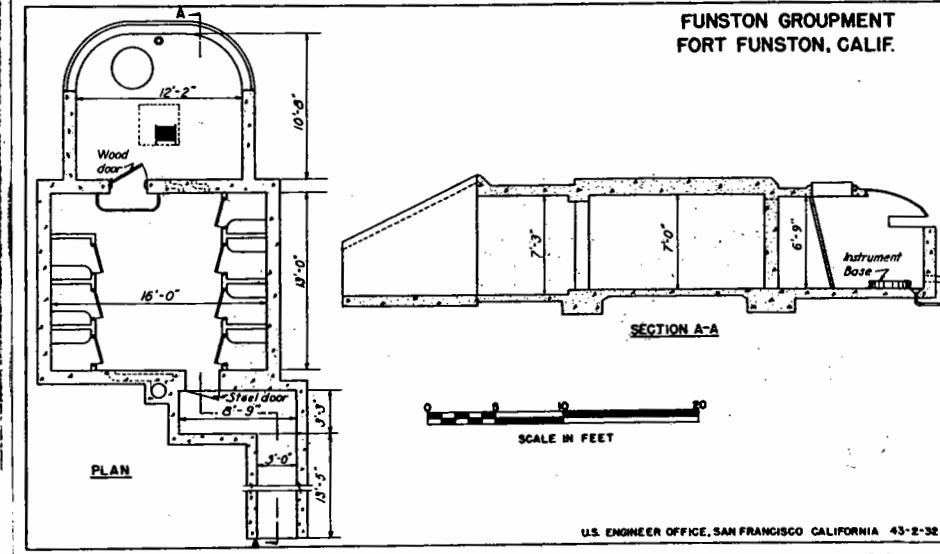
TIDE STATION:
Give description of tide gauge

Present condition - good.
*Alterations transferred 1 June 1943.
**Final cost incl. alterations - \$6989.05.

Coordinates were not shown on Form 2 Corrected to
December 14, 1942.
(See reverse side of form for work accomplished in 1944)

UTILITIES:
Electric Power
Source of ...Battery Davis Power Plant.....
Characteristics: Voltage....Ac or DC..Phase.....
Kilowatts required...7.50.....
Type of lighting fixtures USED SF. 1.....
Heat
How heated .Electric heaters by others.....
Water Sewer
Connected to water mains....no.....
Connected to sewer.....no.....
Type latrinenone.....

REFERENCE:
Reference of site.....188.0
Reference of instrument axis.187.20
Elev. of Inst. Pedestal 182.74



SECRET

Authority NND 735636
By NARA Date 7-21-00

ED Form A-162B
16 Sept. 1943

WORK ACCOMPLISHED IN 1944

120 V AC 1 ϕ Service supplied this station by one 3-KVA standby generator installed in new power house built under this Job No.

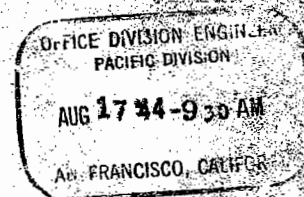
(See Report of Completed Works, Part II Modified, for Power House, Installation No. 2, showing switching instructions and other information.)

Additional breakers installed in existing panel in Power House and connected to existing feeder serving this station.

Date of transfer of this work - 27 June 1944.

Cost to date of transfer which includes power house, new cables, materials and all work at this location - \$2,063.84.

This is a portion of Job No. SF FS-21, Dir. Cons. FS 1254.



3496

Authority WWD 735636
By W NARA Date 7-21-00

U-130

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire Control ~~XXXXXXXXXXXXXXXXXXXX~~)

Form 2

Corrected to December 14, 1942

53925

HARBOR DEFENSES OF... San Francisco
FCRT... Funston, California
STRUCTURE... Funston Groupment *G2*

STRUCTURE:

Location

Fort Funston, approx. 1200 ft
south of gun #2, Batt. Davis
Nov. 14, 1941

Date of transfer

Cost to that date

\$5608.18

Total cost to date

\$6989.05

Type of construction

(a) Roof

Rein. concrete & steel

(b) Remainder of bldg.

Rein. concrete & steel

How concealed

Earth cover and vegetation

How protected

Earth cover and vegetation

Height above concealment

Not above concealment

Height above protection

Not above protection

Conspicuous at...yards

Not conspicuous from sea

ELECTRIC CURRENT:

Source of

Batt. Davis Power Plant

Kilowatts required

7.50 KW

Type of lighting fixtures

USED SF 1

HEAT:

How heated

Electric heater by others

WATER & SEWER:

Connected to water mains

No

Connected to sewer

No

Type of latrine

None

Permanent or temp. inst'n.

None

Present condition

Good

REFERENCE:

Reference of site

188.00

Reference of inst. axis

187.20

Elev. of inst. pedestal

182.74

Type and capacity of crane

None

Max. dim. of reel handled

None

INSTRUMENTS AND EQUIPMENT:

Type of observing inst.

Type of plotting board

DPFM1 Class 3 #107

None

DATA TRANSMISSION:

Type of

Telephone

Date of transfer

Installed by Signal
Corps.

Cost of data transmission equip.

For tide stations give descrip-

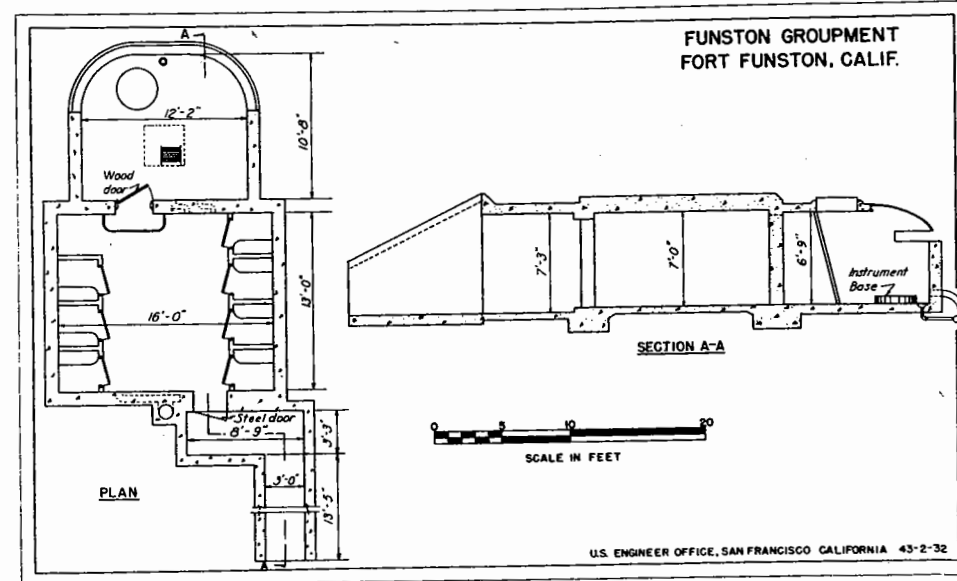
tion of tide gauge

For datum points give Forts

from which visible

For dormitories give sta. served

For cable hut give S.C. type



Authority *AND 735036*
By *MA* NARA Date *7-21-00*

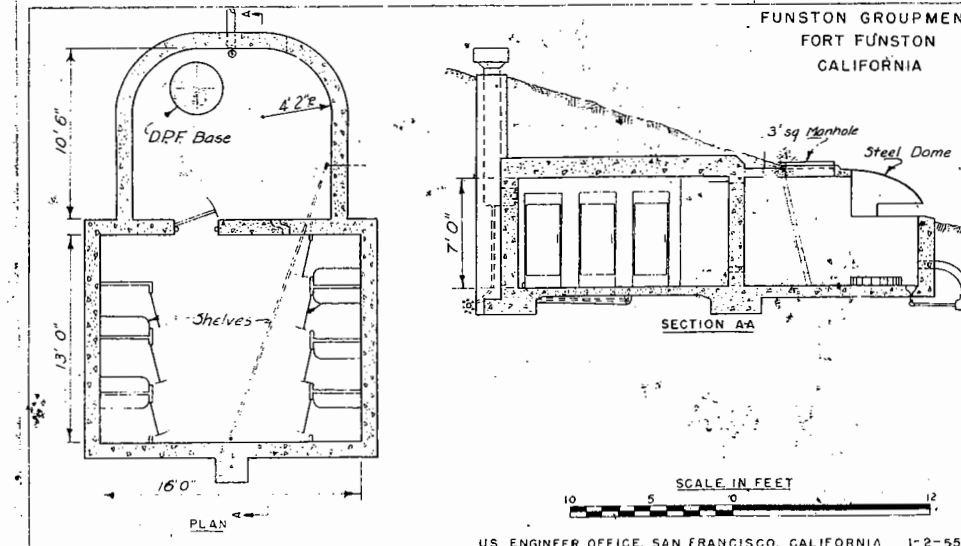
REPORT OF COMPLETED WORKS - SEACAST FORTIFICATIONS
(Fire Control or Torpedo Structures)

COAST DEFENSES OF San Francisco
Funston, California
STRUCTURE Funston Groupment

Form 2. Corrected to November 14, 1941

STRUCTURE	:	TYPE OF DATA TRANSMISSION	:
Location	:	Type of transmission equipment:	Telephine (installed by
	:		Signal Corps)
	:	Date of transfer	:
	:	Cost of data transmission	:
Date of transfer	:	equipment	:
Cost to that date	:	For tide stations give de-	:
Type of construction	:	scription of tide gauge	:
(a) Roof	:	For datum points give Ports	:
	:	from which visible	:
(b) Remainder of bldg.	:	For dormitories give stations	:
How concealed	:	served	:
	:	For cable hut give S.C. type	:
How protected	:		:
	:		:
Height above concealment	:		:
Height above protection	:		:
Conspicuous at <u>400</u> yds	:		:
ELECTRIC ENERGY	:		:
Source of electric current	:		:
Kilowatts required	:		:
Type of lighting fixtures	:		:
HEAT	:		:
How heated	:		:
WATER AND SEWER	:		:
Connected to water mains	:		:
Connected to sewer	:		:
Type of latrine	:		:
Perm. or temp. installation	:		:
Present condition	:		:
REFERENCE	:		:
Reference of site	:		:
	:		:
Elev. of inst. pedestal	:		:
Reference of inst. axis	:		:
Type of observing inst.	:		:
Type of plotting board	:		:
Type and capacity of crane	:		:
Max. dim. of reel handled	:		:

Superseded:
Form 2 corrected to 12/14/42



SECRET

SPEKM-1

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS

(Fire Control Structure)

PART II

Corrected to June 1944

HARBOR DEFENSES OF SAN FRANCISCO

FORT FUNSTON

STRUCTURE GROUP 4 (ORIGINALLY TRANSFERRED AS GROUP 6)

STRUCTURE:

Location (by coordinates) $x 122^{\circ} 30' 08.882''$
 $y 37^{\circ} 42' 54.330''$
 Location (by site description) 1000' So. Btry. Davis and
 Date of transfer 14 Nov. 1941 120 West of County Roadway.
 Cost to that date \$6,523.04
 Type (for observing stat.--tower, dug-in,
 cottages, etc.)
 Type of construction
 (a) Roof Reinforced Concrete & Steel Dome
 (b) Remainder of bldg. Reinforced concrete
 How concealed Earth cover
 How protected Earth backfill & 1" Steel Dome
 Height above concealment Not above concealment
 Height above protection Not above protection
 Conspicuous at 400 yards Not conspicuous from
 sea

INSTRUMENTS & EQUIPMENT:

Type of observing inst. M.P.F. MI Class 3 No. 108
 Type of plotting board None

DATA TRANSMISSION:

Type Telephones (installed by Signal Corps)
 Date of transfer

TIDE STATION:

Give description of tide gauge

Present condition New
 *Total cost to May 10, 1943, \$7,996.63 (Incl. alterations)

See reverse side of form for alterations accomplished in
 1942 and also additional work accomplished in 1944.

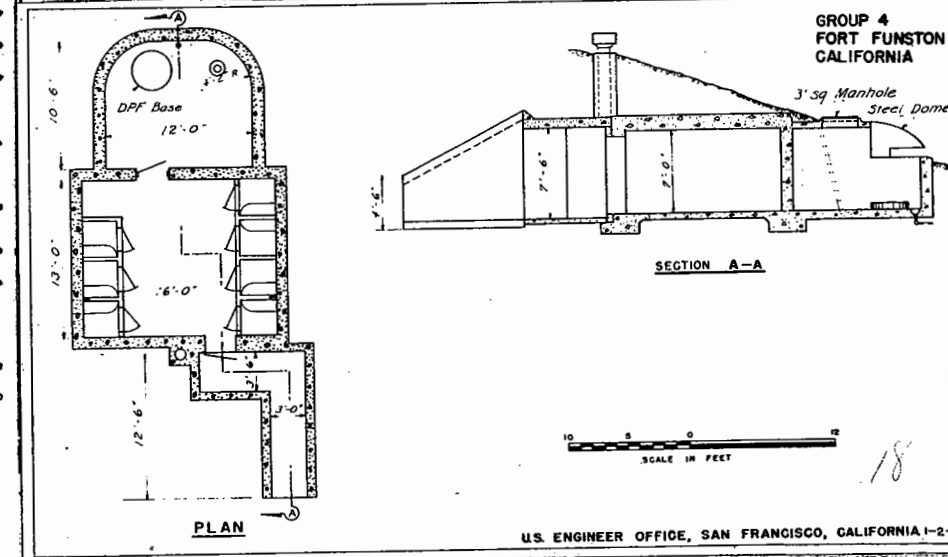
UTILITIES:

Electric Power
 Source of Battery Davis Power Plant
 Characteristics: Voltage...Ac or DC..Phase...
 Kilowatts required...9.96 KW
 Type of lighting fixtures...U.S.R.D. S.F. 1
 Heat
 How heated ... Not heated
 Water Sewer
 Connected to water mains...No
 Connected to sewer...No
 Type latrine None

REFERENCE:

Reference of site
 Reference of instrument axis Elev. 173.67 MLW
 Elev. of inst. pedestal 169.21 MLW

ED Form A-162B
 16 Sept. 1943



SECRET

Alterations consisted of cutting 2' 6" x 2' 6" doorway through rear wall, installing steel door in the new opening and constructing "L" shaped entrance corridor of reinforced concrete design.

Job started 9/2/42

Job completed 10-5-42

Cost of alterations \$1,473.57

WORK ACCOMPLISHED IN 1944

120 V A.C. 1/2 power supplied this station by one 3 KVA standby generator installed in New Power House, installation No. 1, built under this Job No.

See Report of Complete Works Part II, (Modified) for Power House, showing cables, switching instructions and other information.

Kilowatts required.....9.2.....

Date of transfer of this work - 27 June 1944.

Cost is included with power house and all new work in BC Davis amounting to \$1,612.44.

This is a portion of Job No. SF PS-21, Dir. Cons. PS-1254.

Note:

Post Power supplied to this station in 1942.

OFFICE DIVISION ENGINEER
PACIFIC DIVISION

AUG 17 44 - 9 30 AM

SAN FRANCISCO, CALIFORNIA

3496

SECRET

SPEKM-1

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire Control Structure)

HARBOR DEFENSES OF SAN FRANCISCO
FORT Funston, California
STRUCTURE... BC B'S Davis

PART II Corrected to June 1944

STRUCTURE: x... 122° 30' 03.895"
Location (by coordinates) y... 37° 42' 57.453"
Location (by site description) Ft. Funston, Approx.
Date of transfer Sept. 21, 1940 1300' So. of Gun #1
Cost to that date \$3,514.62
Type (for observing stat.--tower, dug-in, cottages, etc.)
Type of construction
(a) Roof Reinforced concrete
(b) Remainder of bldg. Reinforced concrete
How concealed Earth back fill and vegetation
How protected Earth backfill and vegetation
Height above concealment Not above concealment
Height above protection Not above protection
Conspicuous at 1000 yards Not conspicuous from sea

INSTRUMENTS & EQUIPMENT: 2 Azimuth inst. 1910A-1 #134
Type of observing inst. & #123 DPF-MI Class 3 #76
Type of plotting board

DATA TRANSMISSION:
Type Telephone (installed by Signal Corps)
Date of transfer

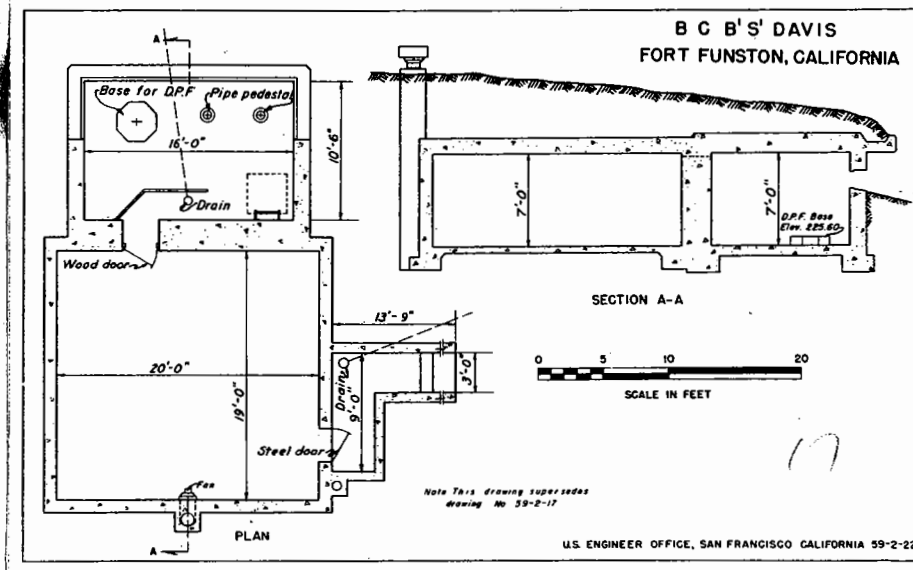
TIDE STATION:
Give description of tide gauge

Present condition Good
*Alterations transferred 1 June 1943
**Final cost incl. alterations \$4,851.35

Coordinates were not shown on Form 2 corrected to 23 December 1942
(See reverse side of form for work accomplished in 1944)

UTILITIES:
Electric Power
Source of Battery Davis Power Plant
Characteristics: Voltage... Ac or DC.. Phase
Kilowatts required 3.50
Type of lighting fixtures USED SF3 & ESP-1 vent fan
Heat
How heated Oil space heater by others
Water Sewer
Connected to water mains No
Connected to sewer No
Type latrine None

REFERENCE:
Reference of site 229.0
Reference of instrument axis 230.33



SECRET

Authority AND 735036
By NARA Date 7-21-00

ED Form A-162B
16 Sept. 1943

WORK ACCOMPLISHED IN 1944

120 V. AC 1 ϕ power supplied this station by one 3 KVA standby generator installed in new power house, Installation #1, built under this Job No.

See Report of Completed Works, Part II (Modified) for power house, showing size of cables, switching instructions and other information.

D.C. Cable from Battery Davis broken at existing D.C. Cable, splice in H.H., and new cable from power plant spliced in and run to new 60 Amp. switch.

1 - 60 Amp. 2 pole double throw, non-fusible switch, Trumbull Co. Cat. #35222C installed.

Existing box containing D.T. Switch cut down in size and switch salvaged.

All stations at this location are on the one circuit connected to 60 Amp. switch in this station. Kilowatts required - 2.0.

Date of transfer of this work 27 June 1944.

Cost is included with power house and all work at this location amounting to \$1,612.44.

This is a portion of Job No. SF FS-21, Dir. Cons. FS-1254.

OFFICE DIVISION ENGINEER
PACIFIC DIVISION
AUG 17 44-9 30 AM
SAN FRANCISCO, CALIFORNIA

196

Authority AND 735036
By NA NARA Date 7-21-00

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

COAST DEFENSES OF San Francisco
FORT Funston, California
STRUCTURE Group 6

Form 2. Corrected to November 14, 1941

STRUCTURE	:	:TYPE OF DATA TRANSMISSION	:
Location	:	Type of Transmission Equipment	: Telephone (Installed
	:		: by Signal Corps)
	:	Date of transfer	:
Date of transfer	:	Cost of data transmission	:
Cost to that date	:	equipment	:
Type of construction	:	For tide stations give descrip-	:
(a) Roof	:	tion of tide gauge	:
(b) Remainder of bldg.	:	For datum points give Forts from	:
How concealed	:	which visible	:
	:	For dormitories give stations	:
How protected	:	served	:
	:	For cable hut give S.C. type	:
Height above concealment	:		:
Height above protection	:		:
Conspicuous at 400 yds.	:		:
ELECTRIC ENERGY	:		:
Source of Electric current	:		:
Kilowatts required	:		:
Type of lighting fixtures	:		:
HEAT	:		:
How heated	:		:
WATER AND SEWER	:		:
Connected to water mains	:		:
Connected to sewer	:		:
Type of latrine	:		:
Perm. of temp. installation	:		:
Present condition	:		:
REFERENCE	:		:
Reference of site	:		:
	:		:
Reference of inst. axis	:		:
(Elev. of Inst. Pedestal	:		:
Type of observing inst.	:		:
Type of plotting board	:		:
Type and capacity of crane	:		:
Max. dim. of reel handled	:		:



Superseded
See Form 2 corrected to 10 May 43

Authority AND 735636
By NA NARA Date 7-21-00

600.914 (San Francisco) CM 53927

CONFIDENTIAL

U-130

53927

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire Control ~~XXXXXXXXXXXXXXX~~)

HARBOR DEFENSES OF San Francisco.....
FORT. Funston, California.....
STRUCTURE.... BC B'S' Davis.....

Form 2

Corrected to 23 December 1942

STRUCTURE:

Location

Fort Funston, Calif.
Approx. 1300' So. of gun #1

Date of transfer

Sept. 21, 1940

Cost to that date

\$ 3514.62

Final cost inc. alterations

4851.35

Type of construction

1336.73

(a) Roof

Reinforced concrete

(b) Remainder of bldg.

Reinforced concrete

How concealed

Earth backfill and vegetation

How protected

Earth backfill and vegetation

Height above concealment

Not above concealment

Height above protection

Not above protection

Conspicuous at 1000 yards

Not conspicuous from sea

ELECTRIC CURRENT:

Source of

Batt. Davis Power Plant

Kilowatts required

3.50 KW

Type of lighting fixtures

USED SP3 & ESF - one vent.fan.

HEAT:

How heated

Oil space heater by others

WATER & SEWER:

Connected to water mains

No

Connected to sewer

No

Type of latrine

None

Permanent or temp. inst'n.

None

Present condition

Good

REFERENCE:

Reference of site

229.0

Reference of inst. axis

230.33

Elev. of inst. pedestal

Type and capacity of crane

Max. dim. of reel handled

INSTRUMENTS AND EQUIPMENT:

Type of observing inst.

2 Azimuth Inst.

Type of plotting board

1910A-1 #134 & #123.

DATA TRANSMISSION:

Type of

DPF-M1 Class 3 #76

Date of transfer

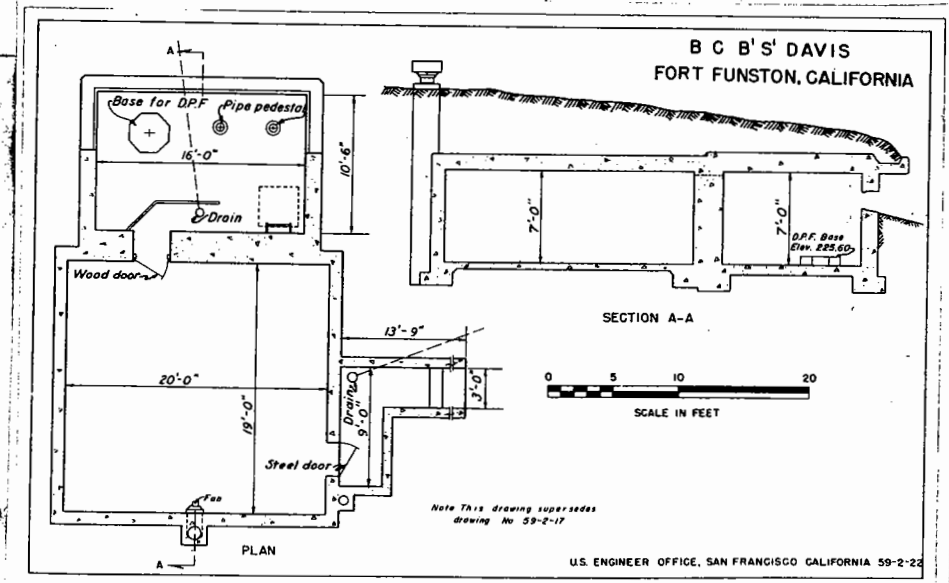
Cost of data transmission equip.

For tide stations give description of tide gauge

For datum points give Forts from which visible

For dormitories give sta. served

For cable hut give S.C. type



CONFIDENTIAL

Incl 21' Proj. C. 21

Authority 11ND 735036
By NARA Date 7-21-00

REPRODUCED AT THE NATIONAL ARCHIVES

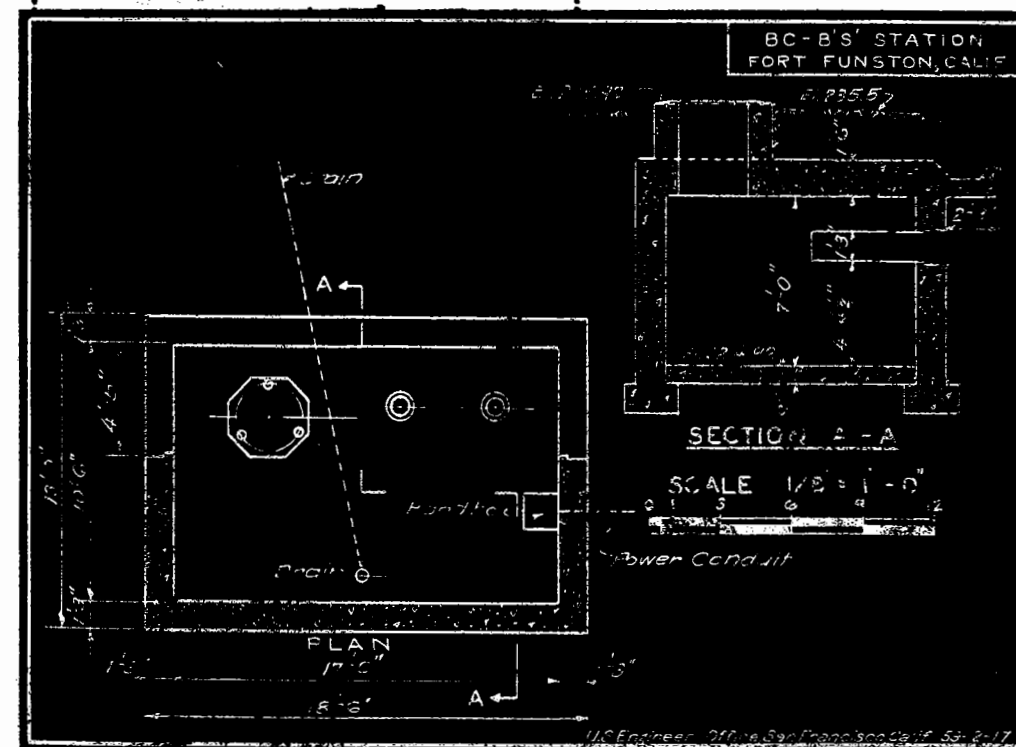
REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(F. e Control Structure)

HARBOR DEFENSES OF SAN FRANCISCO
FORT FUNSTON, CALIFORNIA
B C DAVIS

Form 2. Corrected to September 21, 1940

STRUCTURE:		INSTRUMENTS AND EQUIPMENT:	
Location	: Fort Funston. Approx.	Type of observing inst.	: DPF-Mi Class 3 and two azi-
Date of transfer	: 1300 ft. south of Gun No. 1	Type of plotting board	: muth instruments, model 1910
Cost to that date	: September 21, 1940		: None installed.
Type of construction	: \$3,514.62	DATA TRANSMISSION:	
(a) Roof	: Reinforced Concrete	Type of	: Telephone (Installed by
(b) Remainder of building	: Reinforced Concrete	Date of transfer	: Signal Corps)
How concealed	: Earth cover & vegetation	Cost of data transmission equip.	
How protected	: Two to three feet of back-	For tide stations give descrip-	
Height above concealment	: fill over the roof	tion of tide gauge	
Height above protection	: Not above concealment	For datum points give Forts	
Conspicuous at 1,000 yards	: Not above protection	from which visible	
ELECTRIC CURRENT:	: Not conspicuous from the sea	For dormitories give sta. served	
Source of	: Battery Davis Power Plant	For cable hut give S.C. type	
Kilowatts required	: 2.30		
Type of lighting fixtures	: U.S.E.D. SF 3		
HEAT:	: Plug receptacle provided		
How heated	: for attachment of elec-		
WATER & SEWER:	: tric heater		
Connected to water mains	: None		
Connected to sewer	: No		
Type of latrine	: No		
Permanent or temporary inst'n.	: None		
Present condition	: None		
REFERENCE:			
Reference of site	: El 229		
Reference of instrument axis	: El 230		
Type and capacity of crane	: None		
Max. dim. of reel handled	: None		

*Superseded:
See Form 2 corrected to 23 Dec 43*



SECRET

SPEXM-1

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire Control Structure)

PART II

Corrected to June 1944

STRUCTURE: 122° 30' 04.403"
x..37° 42' 46.436"
Location (by coordinates) y... Ft. Funston, Calif.
Location (by site description) November 14, 1941
Date of transfer... \$2,985.66
Cost to that date...
Type (for observing stat.--tower, dug-in,
cottages, etc.)
Type of construction Reinforced concrete and steel dome
(a) Roof Reinforced concrete
(b) Remainder of bldg Earth cover; vegetation & camouflaged
How concealed Earth backfill and 1" steel dome
How protected
Height above concealment Not above concealment
Height above protection Not above protection
Conspicuous at 400 Not conspicuous from sea
yards

UTILITIES:

Electric Power None
Source of
Characteristics: Voltage None Ac or DC..Phase
Kilowatts required None
Type of lighting fixtures
Heat
How heated Not heated
Water Sewer No
Connected to water mains No
Connected to sewer None
Type latrine

REFERENCE:

Reference of site Elev. 160.92' MLLW
Reference of instrument axis Elev. of inst. pedestal 156.46' MLLW

HARBOR DEFENSES OF SAN FRANCISCO
Funston, California
FORT B4S4 Townsley
STRUCTURE

DEF M1. Class 3, No. 109; also
pier mount for Model 1910
INSTRUMENTS & EQUIPMENT: Azimuth instrument
Type of observing inst. None
Type of plotting board

DATA TRANSMISSION: Telephones (installed by Signal Corps)
Type
Date of transfer

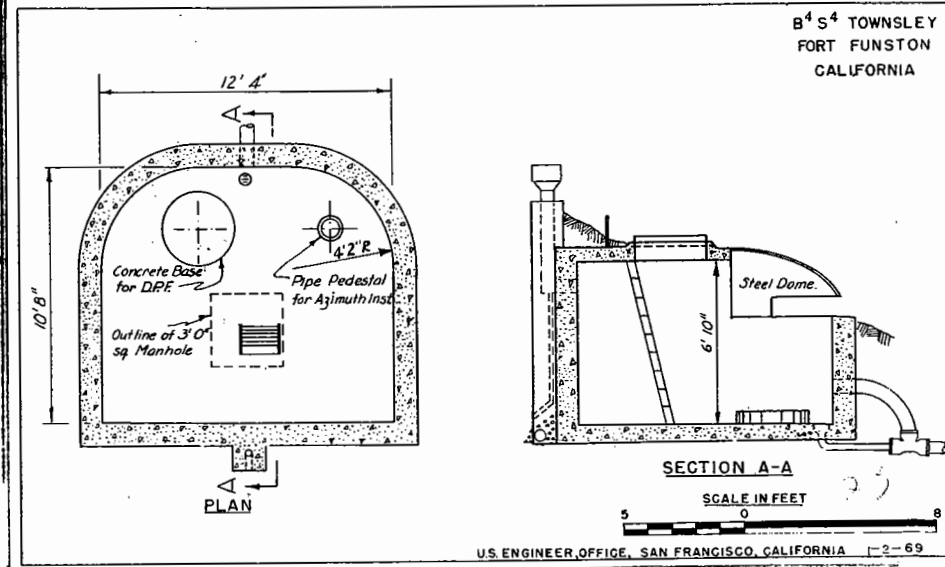
TIDE STATION:

Give description of tide gauge

Permanent or temporary installation Permanent

Present Condition New

*See reverse side for work accomplished in 1944



SECRET

ED Form A-162B
16 Sept. 1943

Authority WND 735636
By NARA Date 7-21-00

Post power furnished to this station in 1942.

WORK ACCOMPLISHED IN 1944

Standby power, 120 V. AC 1 ϕ supplied this station by one 3 KVA power plant installed in power house, Installation #2, built under this job number.

New cables spliced into existing leads in new handhole located on site of existing panel-board (panel-board moved into power house) and by splice made to existing feeder between this station and B⁵S⁵ 244.

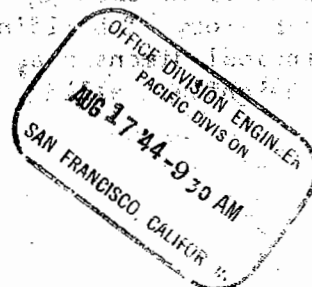
See Report of Completed Works, Part II (Modified) for Power House, showing size of cables, switching instructions and other information.

Additional breakers installed in existing panel in power house and connected to feeder serving this station.

Date of transfer of this work - 27 June 1944.

Cost is included with power house and all new work at this location amounting to \$2,063.84.

This is a portion of Job No. SF FS-21, Dir. Cons. FS-1254.



3496

Authority WD 735636
By NA NARA Date 7-21-00

600914(22) 104031

SECRET

SPEK-1

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
Fire Control StationHARBOR DEFENSES OF SAN FRANCISCO
FORT ~~Funston~~ ^{B2S2} construction 243 at ~~Funston~~ ^{Point} ~~San Francisco~~ ^{San Francisco}
STRUCTURE.....

PART II

Corrected to June 1944

STRUCTURE:

Location (by coordinates) x... 122° 30' 16.538"
y... 37° 43' 23.577"
Location (by site description) 550' West 5" AA Magazine
Date of transfer... 15 November 1943
Cost to that date... \$5,738.63
Type (for observing stat.--tower, dug-in,
cottages, etc.) Dug-in
Type of construction Reinforced concrete and steel base
(a) Roof Reinforced concrete
(b) Remainder of bldg. Reinforced concrete
How concealed Backfill and camouflage
How protected Earth backfill
Height above concealment Not above concealment
Height above protection Not above protection
Conspicuous atyards Not conspicuous from sea.

INSTRUMENTS & EQUIPMENT:

Type of observing inst. Installed by others
Type of plotting board

DATA TRANSMISSION: Installed by Signal Corps

Type
Date of transfer

TIDE STATION:

Give description of tide gauge

* See reverse side for statement of work done in 1944

UTILITIES:

Electric Power Yes
Source of Post Power
Characteristics: Voltage 120 Ac or DC..Phase single
Kilowatts required.....
Type of lighting fixtures.....
Heat
How heated Not heated
Water Sewer
Connected to water mains..... No
Connected to sewer..... No
Type latrine None

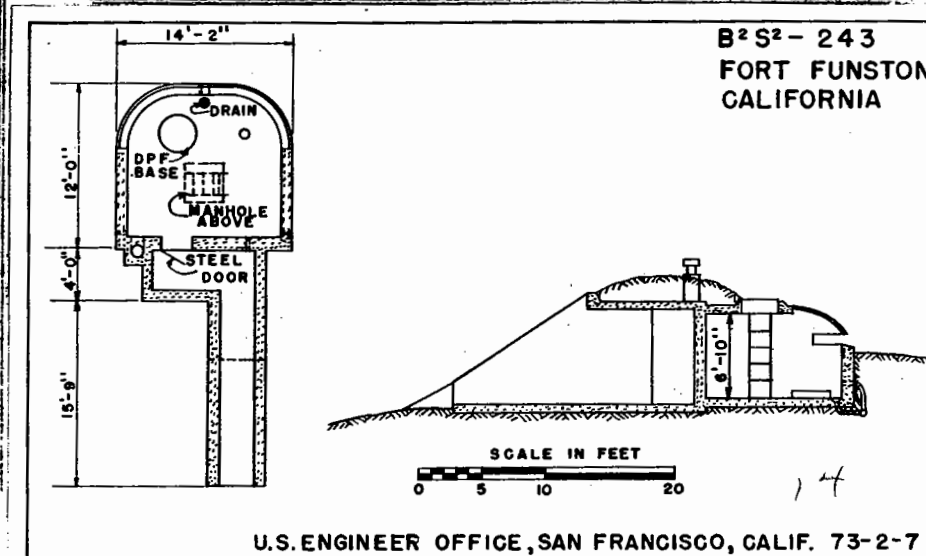
REFERENCE:

Reference of site.....
Reference of instrument axis.....
Elev. Inst. Pedestal = 115.26 (MLLW = 0.00)

ED Form A-162B
16 Sept. 1943

FS-489.1453

SECRET



Authority 11ND 735036
By NARA Date 7-21-00

WORK ACCOMPLISHED IN 1944

Direct burial cables installed from power house to this station.
120 volt 1 phase circuit.

(See Report of Completed Works, Part II, Modified for Power House, showing size of cables, cost and other information.)

Standby power furnished by 1 - 3 KVA 125 V. generator installed in power house.

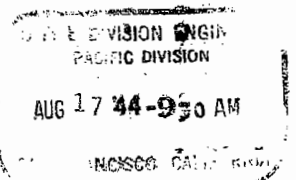
Existing panel replaced with panel, Crouse-Hinds Co. Cat 4742-1-25-22V.

1 - 30 A. 2 P. double-throw, non-fusible switch installed.

Date of transfer of this work - 27 June 1944.

Cost of new work to date of transfer - \$1,631.75, as shown on Part II (Modified) which includes cost of power house, cables and trenching and all work in this station.

This is a portion of Job No. SF PS-21, Dir. Cons. PS-1254.



Authority UND 73536
By MA NARA Date 7-21-00

SECRET

SPEKM-1

600,914 (San Fran) CM 72010
REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
Fire Control Station

HARBOR DEFENSES OF SAN FRANCISCO.....
FORT Funston.....
STRUCTURE..... B² S² Const. 243.....

PART II Corrected to October 1943

2010
STRUCTURE: x... 122° 30' 16.588".....
Location (by coordinates) y... 37° 43' 23.577".....
Location (by site description) 550' West 3" A.A. Magaz...
Date of transfer... 15 November 1943.....
Cost to that date... \$5,738.63.....
Type (for observing stat.--tower, dug-in,
cottages, etc.)... Dug-in.....
Type of construction.....
(a) Roof ... Reinforced Concrete and Steel Dome.....
(b) Remainder of bldg. Reinforced Concrete.....
How concealed ... Earth backfill and camouflage.....
How protected ... Earth backfill.....
Height above concealment Not above concealment.....
Height above protection Not above protection.....
Conspicuous at yards Not conspicuous from sea

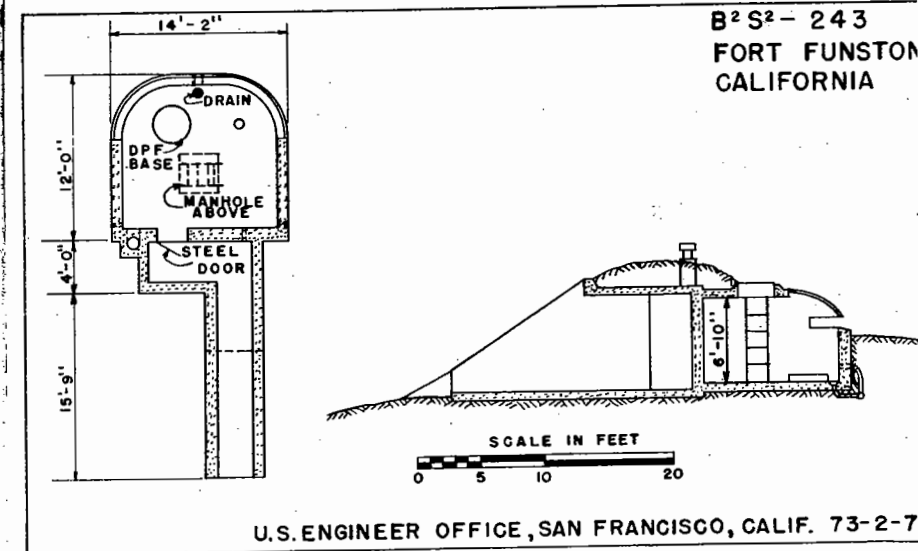
INSTRUMENTS & EQUIPMENT:
Type of observing inst. .. Installed by others....
Type of plotting board

DATA TRANSMISSION:
Type Installed by Signal Corps.....
Date of transfer

TIDE STATION:
Give description of tide gauge

UTILITIES:
Electric Power Yes.....
Source of Post Power.....
Characteristics: Voltage 20 Ac or Dc..... Phase Single.....
Kilowatts required..... 0.3.....
Type of lighting fixtures... CFS-1.....
Heat
How heated Not heated.....
Water Sewer
Connected to water mains..... No.....
Connected to sewer..... No.....
Type latrine No.....

REFERENCE:
Reference of site.....
Reference of instrument axis.....
Elev. Inst. Pedestal = 115.26 (MLLW=0.0)



SECRET

FS-4898 1453 Proj Card 96

ED Form A-162B
16 Sept. 1943

Authority AND 735036
By NARA Date 7-21-00

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

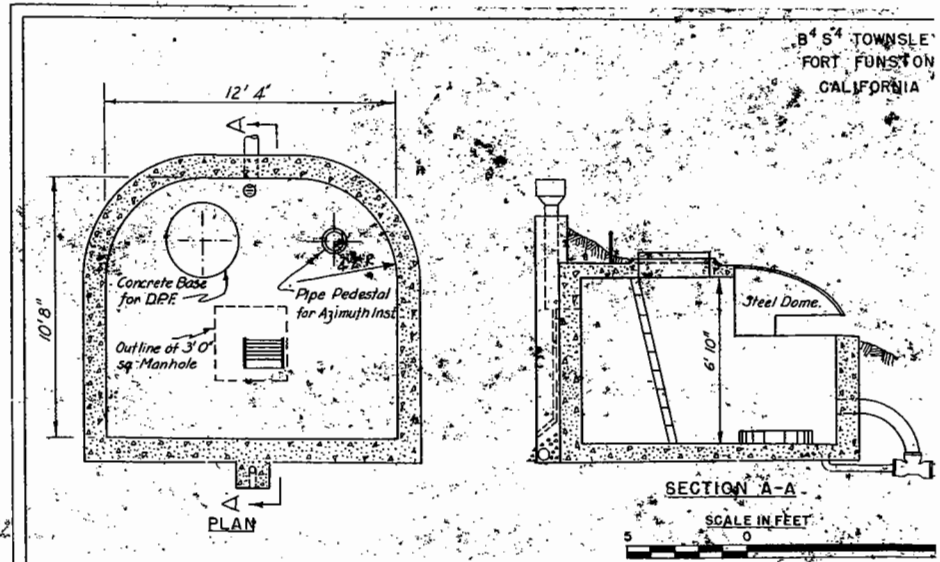
COAST DEFENSES OF San Francisco
Fort Funston, California
STRUCTURE B4S4 Townsley

Form 2. Corrected to November 14, 1941.

STRUCTURE	:	TYPE OF DATA TRANSMISSION	:
Location	:	Type of transmission equipment	:
Date of transfer	:	Telephone (installed by	:
Cost to that date	:	Signal Corps	:
Type of construction	:	Date of transfer	:
(a) Roof	:	Cost of data transmission	:
	:	equipment	:
(b) Remainder of bldg.	:	For tide stations give de-	:
How concealed	:	scription of tide gauge	:
	:	For datum points give Forts	:
How protected	:	from which visible	:
	:	For dormitories give stations	:
Height above concealment	:	served	:
Height above protection	:	For cable hut give S.C. type	:
Conspicuous at <u>400</u> yds.	:		:
ELECTRIC ENERGY	:		:
Source of electric current	:		:
Kilowatts required	:		:
Type of lighting fixtures	:		:
HEAT	:		:
How heated	:		:
WATER AND SEWER	:		:
Connected to water mains	:		:
Connected to sewer	:		:
Type of latrine	:		:
erm. or temp. installation	:		:
Present condition	:		:
REFERENCE	:		:
Reference of site	:		:
	:		:
Reference of inst. axis	:		:
Elev. of inst. pedestal	:		:
Type of observing inst.	:		:
	:		:
Type of plotting board	:		:
Type and capacity of crane	:		:
Max. dim. of reel handled	:		:

Superceded

AC comm. power to be supplied. 475.4 (San Fran.) CMA 1319 2/14/42



Authority WD 735036
By NA NARA Date 7-21-00

600.914(82) 104031

SECRET

SPERM-1

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire Control Structure)

PART II Corrected to June 1944

HARBOR DEFENSES OF SAN FRANCISCO
FORT FUNSTON CALIFORNIA
STRUCTURE..... B'S WALLACE at Barry

STRUCTURE: x. 122° 30' 07.801"
Location (by coordinates) y. 37° 42' 58.609"
Location (by site description) Ft. Funston, Calif.
Date of transfer.. 14 November 1941
Cost to that date... \$3,088.02
Type (for observing stat.--tower, dug-in, cottages, etc.)
Type of construction.....
(a) Roof Reinforced Concrete and Steel Dome
(b) Remainder of bldg. Reinforced concrete
How concealed Earth cover, vegetation & camouflaged
How protected Earth covered & 1" thick dome
Height above concealment Not above concealment
Height above protection Not above protection
Conspicuous at 400 yards. Not conspicuous from sea.

UTILITIES:

Electric Power
Source of ... None
Characteristics: Voltage.... Ac or DC.. Phase.....
Kilowatts required... None
Type of lighting fixtures... None
Heat
How heated Not heated
Water Sewer
Connected to water mains.... No
Connected to sewer..... No
Type latrine None

REFERENCE:

Reference of site... 207 MLLW
Reference of instrument axis... 204.17 MLLW

INSTRUMENTS & EQUIPMENT: Lewis D.P.F. M1 Class 3 (not installed at time of transfer)
Type of observing inst. also M.1910 Azimuth Instrument.
Type of plotting board None

DATA TRANSMISSION:

Type Telephones (Installed by Signal Corps)
Date of transfer

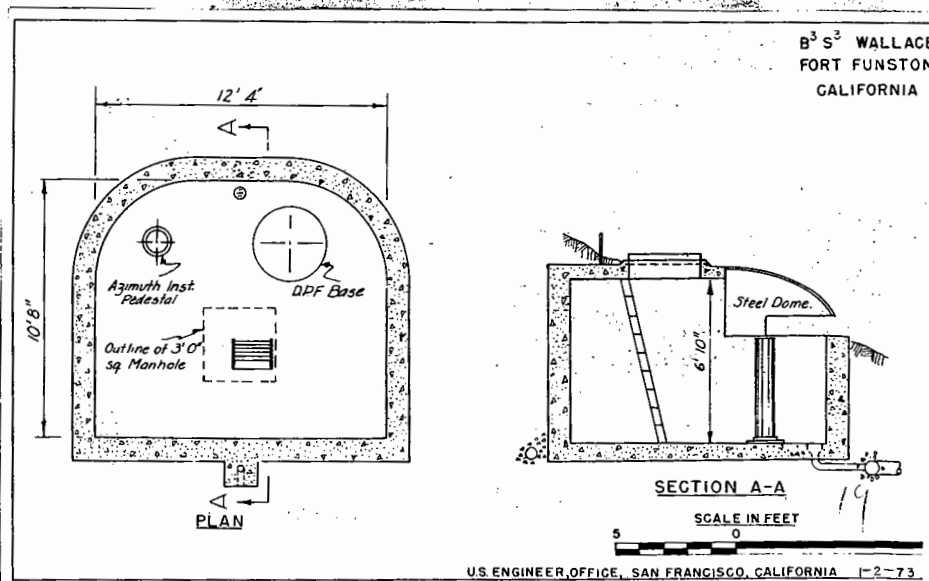
TIDE STATION:

Give description of tide gauge

Coordinates not shown on original Form 2 corrected to November 14, 1941.

*See reverse side for work accomplished in 1944.

**Elev. 203.78 MLLW Inadvertently shown original Form 2



SECRET

WORK ACCOMPLISHED IN 1944

120 V A.C. 1st Power provided this station by one 3 KVA generator installed in new power house installation #1, built under this Job No.

See Report of Completed Works, Part II (Modified) for Power House showing cables, switching instructions and other information.

Kilowatts required....0.3.....

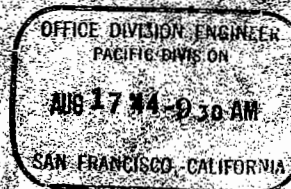
Date of transfer of this work 27 June 1944.

Cost is included with power house and all new work in BC Davis amounting to \$1,612.44.

This is a portion of Job No. SP PS-21 Dir. Cons. PS-1254.

Note:

Post Power supplied to this station in 1942.



196

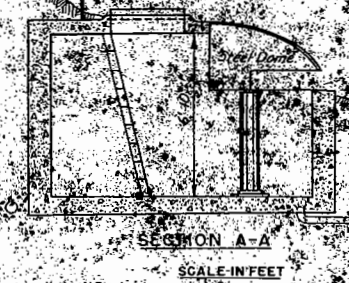
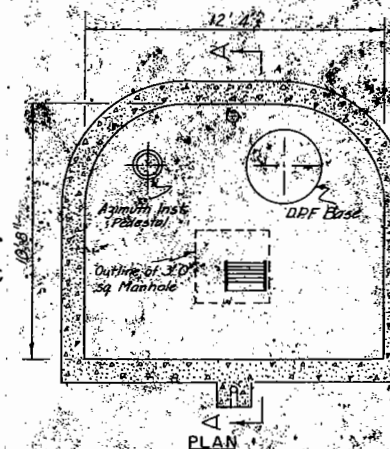
REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire Control Structure)

COAST DEFENSES OF San Francisco
FORT Funston, California
STRUCTURE B₃ S₃ Wallace

Form 2.

Corrected to November 14, 1941

STRUCTURE	:	TYPE OF DATA TRANSMISSION	:
Location	: Ft. Funston, California	Type of Transmission equipment	: Telephone (Installed
Date of transfer	: November 14, 1941	Date of Transfer	: by Signal Corps)
Cost to that date	: \$3,088.02	Cost of data transmission	:
	:	equipment	:
Type of construction	:	For tide stations give descrip-	:
(a) Roof	: Reinf. conc. and steel dome	tion of tide gauge	:
(b) Remainder of bldg.	: Reinforced concrete	For datum points give Forts	:
How concealed	: Earth cover, vegetation and	from which visible	:
	: camouflaged dome	For dormitories give stations	:
How protected	: Earth covered and one-inch thick	served	:
H	: dome	For cable hut give S.C. type	:
Height above concealment	: Not above concealment.		:
Height above protection	: Not above protection		:
Conspicuous at 400 yds.	: Not conspicuous from sea		:
ELECTRIC ENERGY	:		:
Source of electric current	: None		:
Kilowatts required	: None		:
Type of lighting fixtures	: None		:
HEAT	:		:
How heated	: Not heated		:
WATER AND SEWER	:		:
Connected to water mains	: No		:
Connected to sewer	: No		:
Type of latrine	: None		:
erm. or temp. installation	: Perm.		:
Present condition	: New		:
REFERENCE	:		:
Reference of site	: 207 M.L.L.W.		:
Reference of inst. axis	: 203.78 M.L.L.W.		:
Elev. of Inst. Pedestal	: 199.38' M.L.L.W.		:
Type of observing inst.	: Lewis D.P.F. M1 Class 3 (Not		:
	: installed at time of transfer		:
	: Also M1910 Azimuth Instrument		:
Type of plotting board	: None		:
Type and capacity of crane	: None		:
Max. dim. of reel handled	: No reel		:



B. S. WALLACE
FORT FUNSTON
CALIFORNIA

600.914/82/104031

SECRET

SPECM-1

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire Control Station)

HARBOR DEFENSES OF SAN FRANCISCO
FORT Funston, California
STRUCTURE... B³S³ 244 orig. transferred as B³S³
at Milagra Ridge (Chester)

PART II Corrected to June 1944

STRUCTURE: x... 122° 30' 07.613"
Location (by coordinates) y... 37° 42' 51.165"
Location (by site description) So. Funston, S.F., Calif.
Date of transfer. 29 November 1943*
Cost to that date. \$4,050.85*
Type (for observing stat.--tower, dug-in, cottages, etc.)... Dug-in.
Type of construction...
(a) Roof Reinforced concrete.
(b) Remainder of bldg. Reinforced concrete.
How concealed . Earth cover, camouflaged.
How protected . Earth backfill and 1" Steel Dome.
Height above concealment Not above concealment.
Height above protection . Not above protection.
Conspicuous atyards Not conspicuous from sea or air.

INSTRUMENTS & EQUIPMENT:
Type of observing inst. installed by others
Type of plotting board

DATA TRANSMISSION:
Type telephones (installed by others).
Date of transfer

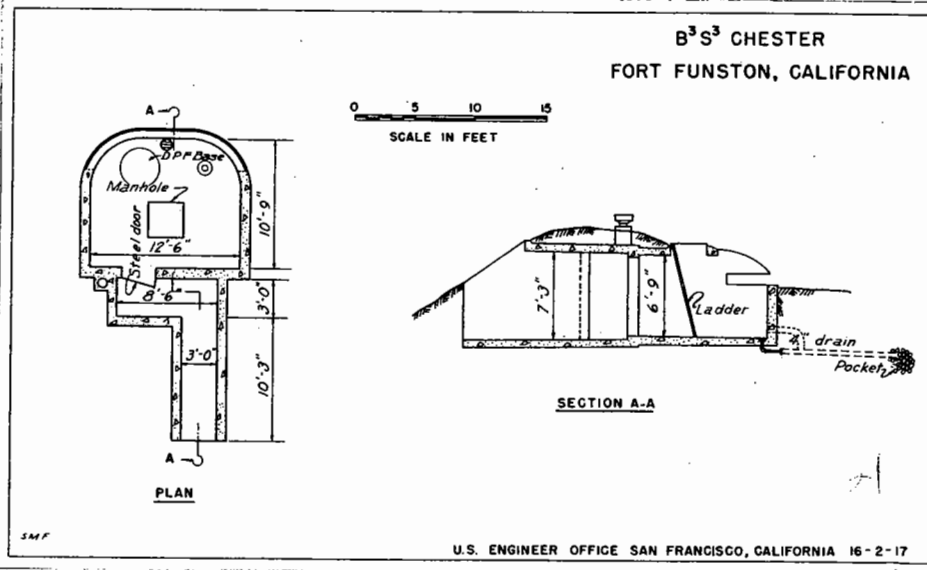
TIDE STATION:
Give description of tide gauge

*See reverse side for work accomplished in 1944

UTILITIES:
Electric Power
Source of . Post Power, Ft. Funston
Characteristics: Voltage 120 Ac or Dc Phase 1ø
Kilowatts required... 0.50
Type of lighting fixtures... CFS-1
Heat
How heated ... Not by U.S.E.D.
Water Sewer
Connected to water mains..... No
Connected to sewer..... No
Type latrine None

REFERENCE:
Reference of site... 186.8 MLLW
Reference of instrument axis...
Elev. inst. Pedestal 183.84 (MLLW--0.00)

ED Form A-162B
16 Sept. 1943



SECRET

Authority AND 735636
By NARA Date 7-21-00

WORK ACCOMPLISHED IN 1944

120 V. AC is power supplied this station by one 3 KVA standby generator installed in new power house, Installation #2, built under this job number.

See Report of Completed Works, Part II (Modified) for power house, showing size of cables, switching instructions and other information.

Additional breakers installed in existing panel in power house and connected to feeder serving this station.

Date of transfer of this work - 27 June 1944.

Cost is included with power house and all new work at this location amounting to \$2,063.94.

This is a portion of Job No. SF PS-21, Dir. Div. PS 1254.



3496

Authority WD 735636
By NA NARA Date 7-21-00

SECRET

Control Approval Symbol SPEKM-1

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
Fire Control Station

HARBOR DEFENSES OF .SAN FRANCISCO.....
FORT .Funston.....
STRUCTURE B³ S³ Chester (B³ S³ #244).....

PART II Corrected to July 1943

STRUCTURE: x...122° 30' 07.613".....
Location (by coordinates) y...37° 42' 51.165".....
Location (by site description) So. Funston S.F. Calif.
Date of transfer... 29 November 1943
Cost to that date... \$4050.85
Type (for observing stat.--tower, dug-in,
cottages, etc.)... Dug-in
Type of construction.....
(a) Roof... Reinforced Concrete
(b) Remainder of bldg. Reinforced Concrete
How concealed... Earth cover, camouflaged
How protected... Earth backfill and 1" steel dome
Height above concealment... Not above concealment
Height above protection... Not above protection
Conspicuous atyards. Not conspicuous from
sea or air.

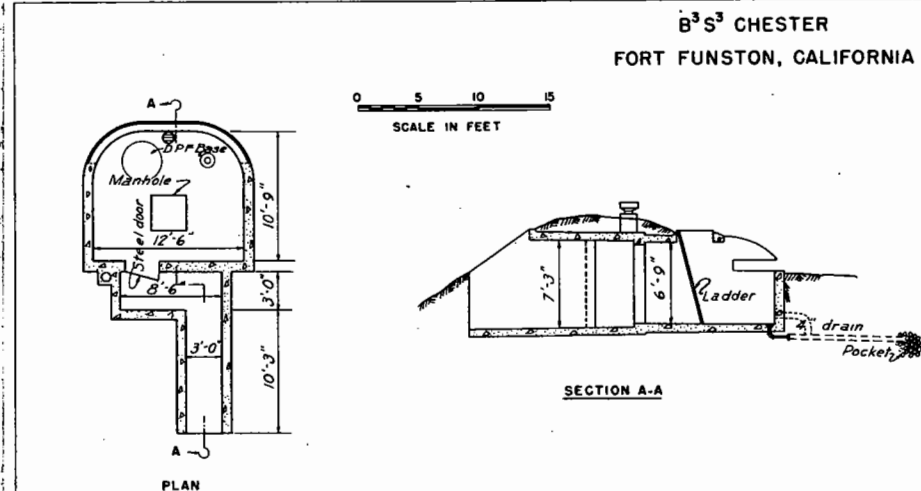
UTILITIES:
Electric Power
Source of .Post Power.. Ft. Funston.....
Characteristics: Voltage 120 Ac or DC.. Phase 1 φ.....
Kilowatts required... 0.50
Type of lighting fixtures... C.F.S. - 1
Heat
How heated... Not by U.S.E.D.
Water Sewer
Connected to water mains... No
Connected to sewer... No
Type latrine... None

REFERENCE:
Reference of site... 186.8 MLLW
Reference of instrument axis.....
Elev. Inst. Pedestal 183.84 (MLLW = 0.00)

INSTRUMENTS & EQUIPMENT:
Type of observing inst. Installed by others.....
Type of plotting board None.....

DATA TRANSMISSION:
Type Telephone... (installed by Signal Corps).....
Date of transfer

TIDE STATION:
Give description of tide gauge



SECRET

ED Form A-162B
16 Sept. 1943

Authority WD 735636
By NARA Date 7-21-00

SECRET

SPEKM-1

665 (San Francisco) CM 76983

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS

HARBOR DEFENSES OF SAN FRANCISCO
FORT Funston
STRUCTURE Surface Craft Radar 296 Bldg. 156

PART II Corrected to December 1943

Antenna
STRUCTURE: Tower x. 122° 30' 03.392"
Location (by coordinates) y. 37° 42' 57.735"
Location (by site description) Approx. 50' E. of SC Davis
Date of transfer 1 October 1943
Cost to that date \$ 9,700.06
Type (for observing stat. -- tower, dug-in, cottages, etc.) Tower (50 ft.)
Type of construction
(a) Roof Antenna House, copper; Transmitter Bldg.
(b) Remainder of bldg. concrete and steel
How concealed Camouflage - painting & planting only
How protected Not protected
Height above concealment 50 ft.
Height above protection 50 ft.
Conspicuous at 1000 yards (Appears as water tank.)

INSTRUMENTS & EQUIPMENT:
Type of observing inst. .. Installed by Signal Corps.
Type of plotting board ..

DATA TRANSMISSION:
Type .. Installed by others
Date of transfer ..

TIDE STATION:
Give description of tide gauge ..

Power unit installed in Power House HO-1-A 25 KVA capacity.

UTILITIES:
Electric Power Yes
Source of Commercial & Standby
Characteristics: Voltage 120 AC or DC Phase Single
Kilowatts required 15 KW ± (25 KW transf. on commercial)
Type of lighting fixtures CSF-1
Heat
How heated Not heated
Water Sewer
Connected to water mains Yes. 1" water line to Power House
Connected to sewer No
Type latrine None

REFERENCE:
Reference of site 234.0 MLLW (Orig. Ord.)
Reference of instrument axis
Elev. top of piers for antenna tower 235.50 MLLW

Paste on blue print showing plan of each story of building, giving principal dimensions, including height of ceiling.

See attached Form 7.

SCR 296-A declared obsolete, ltr. AG 17 Jan. 46, file AG. 413.44 (15 Jan. 46) OB-S-SPOPS.
Tower and equipment to be disposed of. Buildings to be retained. 92-4882

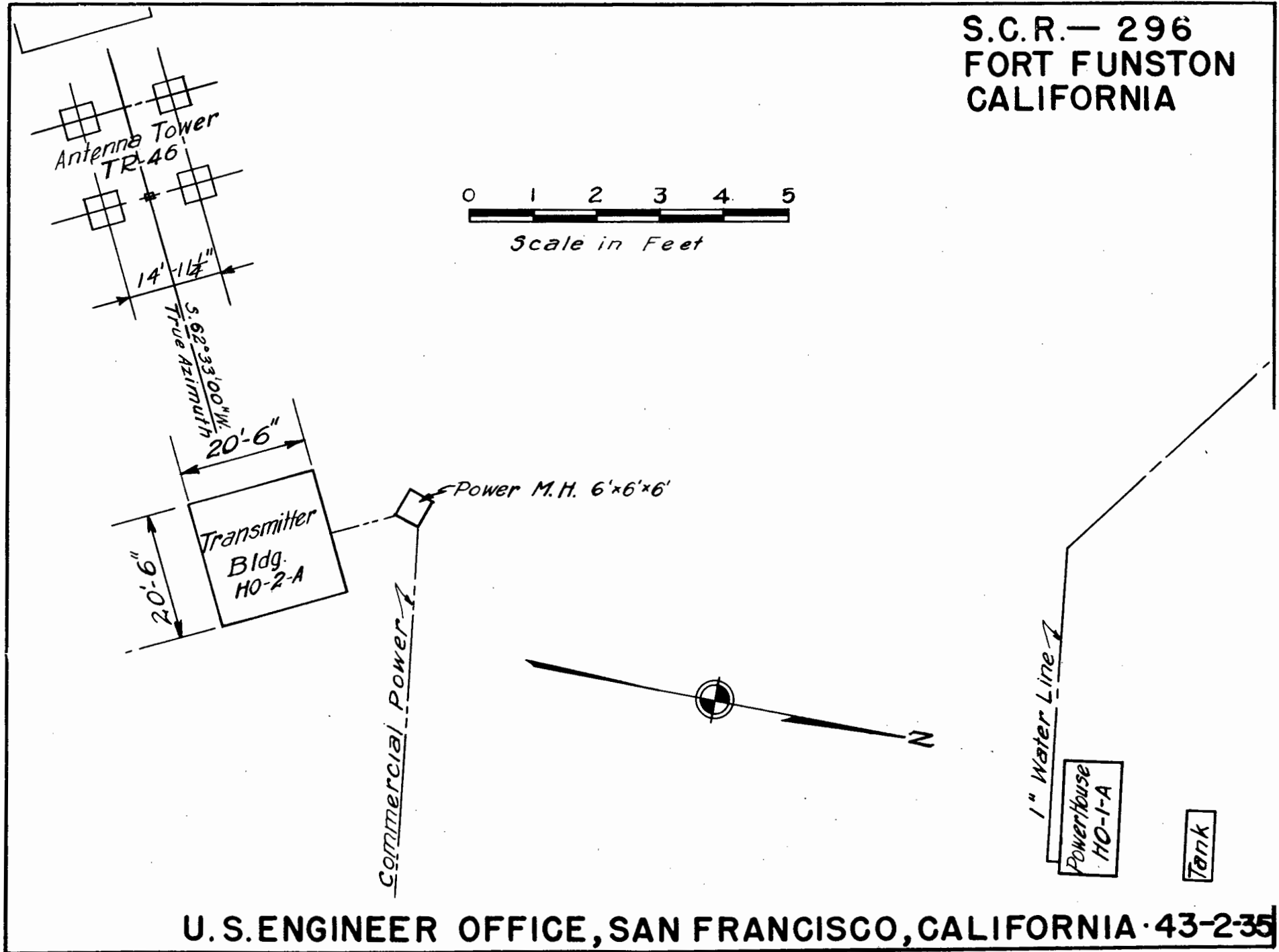
SECRET

ED Form A-162B
16 Sept. 1943

FS 1003, 1101 & 1461
Per. Card 156

Authority WND 735036
By NARA Date 7-21-00

S.C.R.— 296
FORT FUNSTON
CALIFORNIA



U.S. ENGINEER OFFICE, SAN FRANCISCO, CALIFORNIA · 43-2-35

Authority AND 735036
By NA NARA Date 7-21-00

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DECLASSIFIED

DOD Dir. 5200.9, Sept. 27, 1958

NCWN by *[Signature]* date *6-11-70*

HARBOR DEFENSES OF SAN FRANCISCO

FORT FUNSTON

STRUCTURE.. PLOTTING-SWITCHBOARD ROOM

O-130 600,914 (San Fran) CH 69739
REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS

(Fire-Control-or-Torpedo-Structure)---

(Plotting-Switchboard Room)

Form 2

Corrected to (July 1943)

STRUCTURE:

Location

Fort Funston, Approx. 700 ft.
N.E. of Gun No. 1

Date of transfer

September 21, 1940

Cost to that date

\$ 63,505.72

Cost, Installing Bunks

420.00 (August 1943)

Type of construction

(a) Roof

Reinforced Concrete

(b) Remainder of bldg.

Reinforced Concrete

How concealed

Earth Cover and vegetation

How protected

Burster Course and Backfill

Height above concealment

Not above Concealment

Height above protection

Not above Protection

Conspicuous at.....yards

ELECTRIC CURRENT:

Source of

Btry. Davis Power Plant

Kilowatts required

7.45

Type of lighting fixtures

USED SFO & SFI

HEAT:

How heated

Plug Receptacles provided for
attachment of Electric Heaters

WATER & SEWER:

None

Connected to water mains

No

Connected to sewer

No

Type of latrine

None

Permanent or temp. inst'n.

Present condition

REFERENCE:

Reference of site

El. 152 (MLLW = 0.00)

Reference of inst. axis

None installed

Elev. of inst. pedestal

None

Type and capacity of crane

None

Max. dim. of reel handled

None

INSTRUMENTS AND EQUIPMENT:

Type of observing inst.

None installed

Type of plotting board

None installed

DATA TRANSMISSION:

Type of

Telephone (installed by
Signal Corps)

Date of transfer

Cost of data transmission equip.

For tide stations give descrip-

tion of tide gauge

For datum points give Forts

from which visible

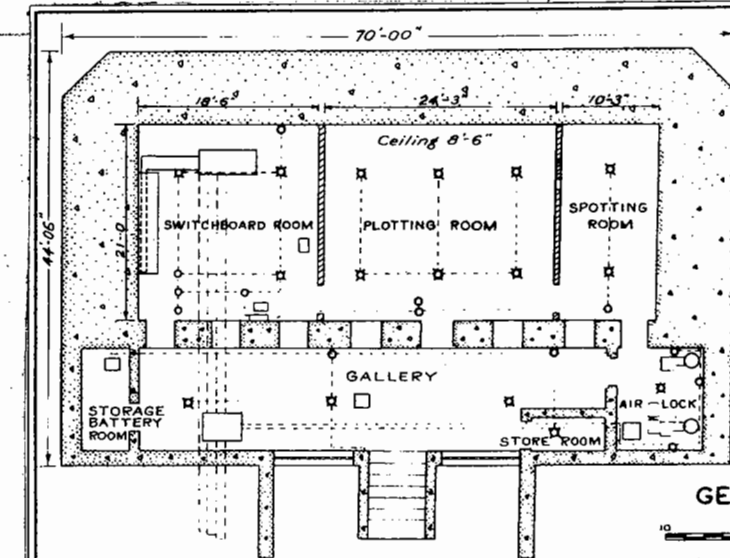
For dormitories give sta. served

On reverse slope of hill
not visible from sea.

For cable hut give S.C. type

Prison Type Bunks installed in 1943,
capacity 16 men.

Accepted 16 August 1943.



PLOTTING
SWITCHBOARD
ROOM
FORT FUNSTON
CALIF.

GENERAL PLAN

SCALE: 1" = 20'

U.S. Engineers Office, San Francisco, Calif. 59-2-1

~~CONFIDENTIAL~~

Authority *WD 735636*
By *[Signature]* NARA Date *7-21-00*

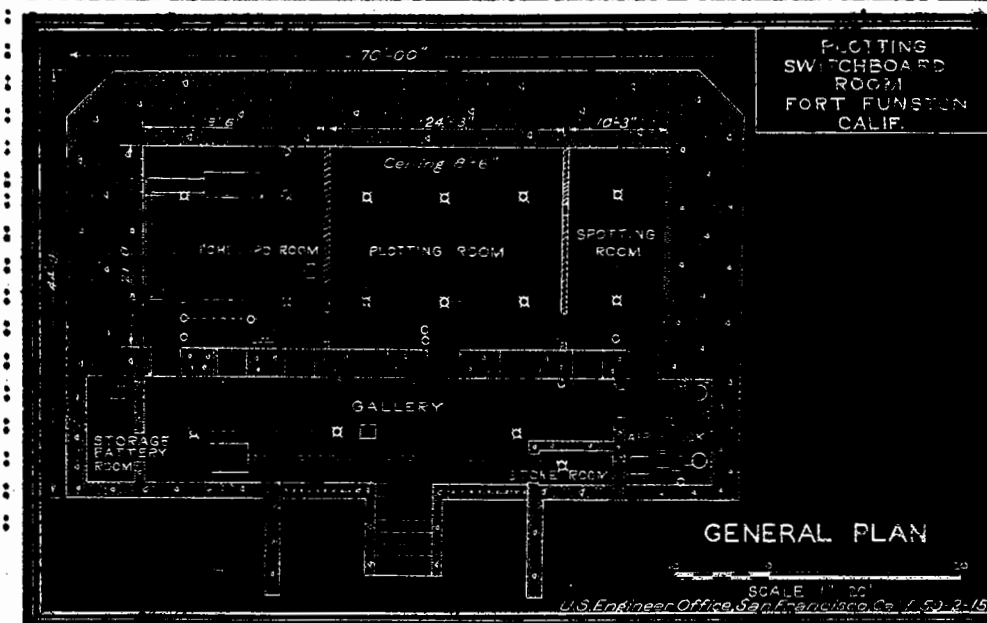
REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Plotting-Switchboard Room)

HARBOR DEFENSES OF SAN FRANCISCO
FORT FUNSTON, CALIFORNIA
PLOTTING-SWITCHBOARD ROOM

Form 2.

Corrected to September 21, 1940

STRUCTURE:		INSTRUMENTS AND EQUIPMENT:	
Location	:Fort Funston, Approx. 700	Type of observing inst.	:None installed
	: ft. northeast of Gun No.1	Type of plotting board	:None installed
Date of transfer	:September 21, 1940		
Cost to that date	:\$63,505.72	DATA TRANSMISSION:	
Type of construction	:	Type of	:Telephone (Installed by
(a) Roof	:Reinforced Concrete		: Signal Corps)
(b) Remainder of bldg.	:Reinforced Concrete	Date of transfer	:
How concealed	:Earth cover & vegetation	Cost of data transmission equip.	:
	:	For tide stations give descrip-	:
How protected	:Burster Course & backfill	tion of tide gauge	:
	:	For datum points give Forts	:
Height above concealment	:Not above concealment	from which visible	:
Height above protection	:Not above protection	For dormitories give sta. served:	:
Conspicuous at 0 yards	:	For cable hut give S.C. type	:
ELECTRIC CURRENT:	:	Remarks	:On reverse slope of hill
Source of	:Battery Davis Power Plant		: not visible from sea
Kilowatts required	:7.45		:
Type of lighting fixtures	:U.S.E.D. SFO & SFI		:
HEAT:	:Plug receptacles provided		
How heated	:for attachment of elec-		
	tric heaters		
WATER & SEWER:	:None		
Connected to water mains	:No		
Connected to sewer	:No		
Type of latrine	:None		
Permanent or temporary inst'n.	:None		
REFERENCE:	:		
Reference of site	:El 152		
Reference of instrument axis	:None installed		
	:		
Type and capacity of crane	:None		
Max. dim. of reel handled	:None		
	:		



*Superseded - See Form 2
corrected 4 July 1943*

Authority **AND 735036**
By **NARA** Date **7-21-00**

Obsolete

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

HARBOR

~~XXXXX~~ DEFENSES OF SAN FRANCISCO.

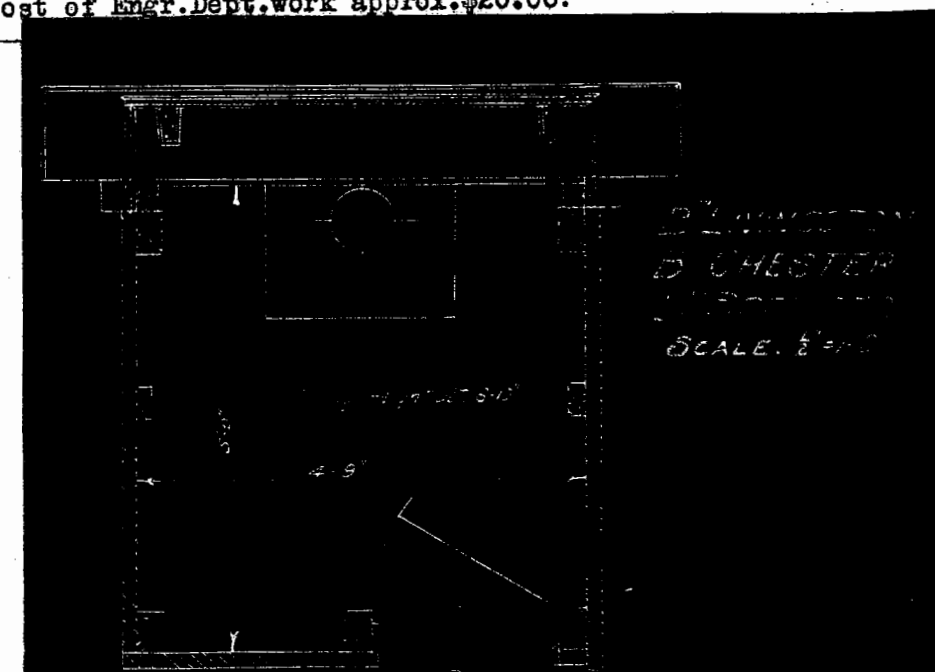
FORT. FUNSTON

STRUCTURE... B¹ Chester

Form 2.

Corrected to DEC 10 1927

Location	Approx. 177 ft. West of Mortar No. 4, Battery Howe.	Type of data transmission	Telephone.
Date of transfer	*	Date of transfer	)
Cost to that date	*	Cost of data transmission	) Installed by Artillery.
Type of construction		equipment	)
(a) Roof	Wood and roofing felt.	For tide stations give descrip-	
(b) Remainder of bldg.	Wooden.	tion of tide gauge	
How concealed	Earth parapet and brush.	For datum points give Forts	
		from which visible	
How protected	Earth parapet.	For dormitories give	
		stations served	
Heights above concealment	Not above concealment.	For cable hut give	
Heights above protection	2-1/2 feet.	S.C. Type	
Conspicuous at	500 yards. from sea.	*Hole dug in ground and boarded up breast high by Engr. Dept.,	
Source of electric current	Not wired for lights.	1916. Subsequently, sides and roof added by troop labor.	
Kilowatts required	None.	Cost of Engr. Dept. work approx. \$20.00.	
Type of lighting fixtures	None.		
How heated	Not heated.		
Connected to water mains	No.		
Connected to sewer	No.		
Type of latrine	None.		
Permanent or temporary			
installation	Temporary.		
Present condition	Poor.		
Reference of site	57.5 ft. (approx.) above M.L.L.W.		
Reference of instrument			
axis			
Type of observing inst.	Pier for W. & S. Azimuth		
Type of plotting board	Inst.; no inst. in place.		
Type and capacity of crane			
Max. dimensions of reel handled			



Authority AND 73536
By NA NARA Date 7-21-00

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

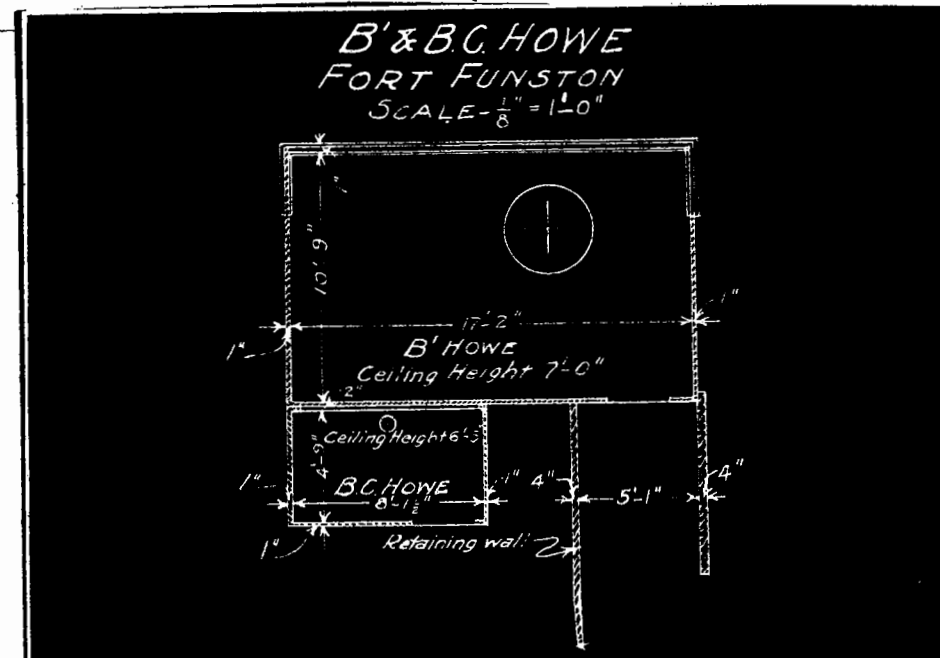
HARBOR
~~COAST~~ DEFENSES OF SAN FRANCISCO.
FORT. FUNSTON.
STRUCTURE. ~~B⁺ and B^C, Walter Howe~~
B⁺ 5⁺ #129 at Battery

Form 2.

Corrected to *DEC 10 1921*

Location	About 150 yards to left of Battery Howe.	Type of data transmission	Telephone.
Date of transfer	Built by troop labor,	Date of transfer	
Cost to that date	1918 & rebuilt 1926.	Cost of data transmission	Installed by Artillery.
Type of construction		equipment	
(a) Roof	Wooden.	For tide stations give descrip-	
(b) Remainder of bldg.	Wooden.	tion of tide gauge	
How concealed	Earthen breast wall.	For datum points give Forts	
		from which visible	
How protected	Earthen breast wall.	For dormitories give	
		stations served	
Heights above concealment	About 3 feet.	For cable hut give	
Heights above protection	About 3 feet.	S.C. Type	
Conspicuous at 500 yards	from sea.		
Source of electric current	Commercial supply at Post.		
Kilowatts required	.240 k.w.		
Type of lighting fixtures	Exposed, cleat and key sockets.		
How heated	Not heated.		
Connected to water mains	No.		
Connected to sewer	No.		
Type of latrine	None.		
Permanent or temporary installation	Temporary.		
Present condition	Fair.		
Reference of site	95 ft. above M.L.L.W.		
Reference of instrument axis	97.55 ft. above M.L.L.W.		
Type of observing inst.	W. & S. Azimuth Instru-		
Type of plotting board	ment, Model 1910.		
Type and capacity of cranes			
Max. dimensions of reel handled			

This station has been rebuilt. Probably a light concrete structure



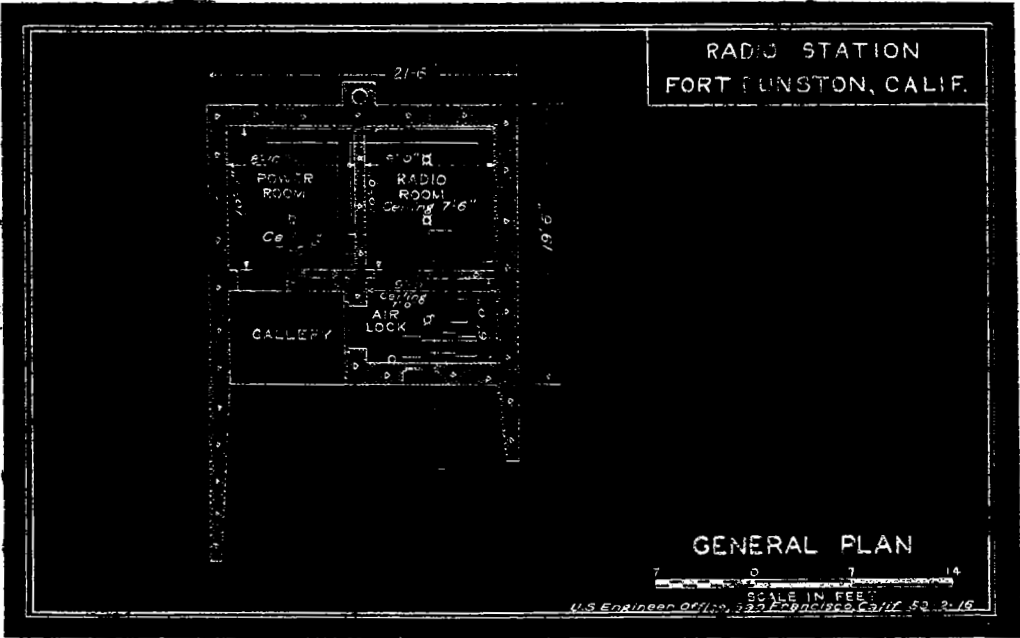
Authority *AND 735036*
By *NA* NARA Date *7-21-00*

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Radio Station)

HARBOR DEFENSES OF SAN FRANCISCO
FORT FUNSTON, CALIFORNIA
RADIO STATION *for Davis*

Form 2. Corrected to September 21, 1940.

STRUCTURE:	:	INSTRUMENTS AND EQUIPMENT:	:
Location	:Fort Funston, approx.	Type of observing inst.	:None installed
	: 900 ft. No. of Gun #1:	Type of plotting board	:None installed
Date of transfer	:September 21, 1940	:	:
Cost to that date	:\$7,674.64	DATA TRANSMISSION:	:
Type of construction	:	Type of	:Telephone (To be installed
(a) Roof	:Reinforced Concrete	:	: by Signal Corps)
(b) Remainder of bldg.	:Reinforced Concrete	Date of transfer	:
How concealed	:Vegetation	Cost of data transmission equip.	:
	:	For tide stations give descrip-	:
How protected	:Two to eight feet of	tion of tide gauge	:
	: backfill over the roof:	For datum points give Forts	:
Height above concealment	:No feet	from which visible	:
Height above protection	:No feet	For dormitories give sta. served	:
Conspicuous at no yards	:	For cable hut give S.C. type	:
ELECTRIC CURRENT:	:	:	:
Source of	:Btry. Davis Power Plant:	Remarks	:On reverse slope of hill not
Kilowatts required	:5.23	:	: visible from sea
Type of lighting fixtures	:U.S.E.D.-S.F.O & S.F.1:	:	:
HEAT:	:	:	:
How heated	: Plug receptacles pro-	:	:
	: vided for attachment	:	:
	: of electric heaters	:	:
WATER & SEWER:	:None	:	:
Connected to water mains	:No	:	:
Connected to sewer	:No	:	:
Type of latrine	:None	:	:
Permanent or temporary inst'n.	:None	:	:
Present condition	:None	:	:
REFERENCE:	:	:	:
Reference of site	:El 88	:	:
Reference of instrument axis	:None installed	:	:
	:	:	:
Type and capacity of crane	:None	:	:
Max. dim. of reel handled	:None	:	:



Authority *AND 735036*
By *NA* NARA Date *7-21-00*

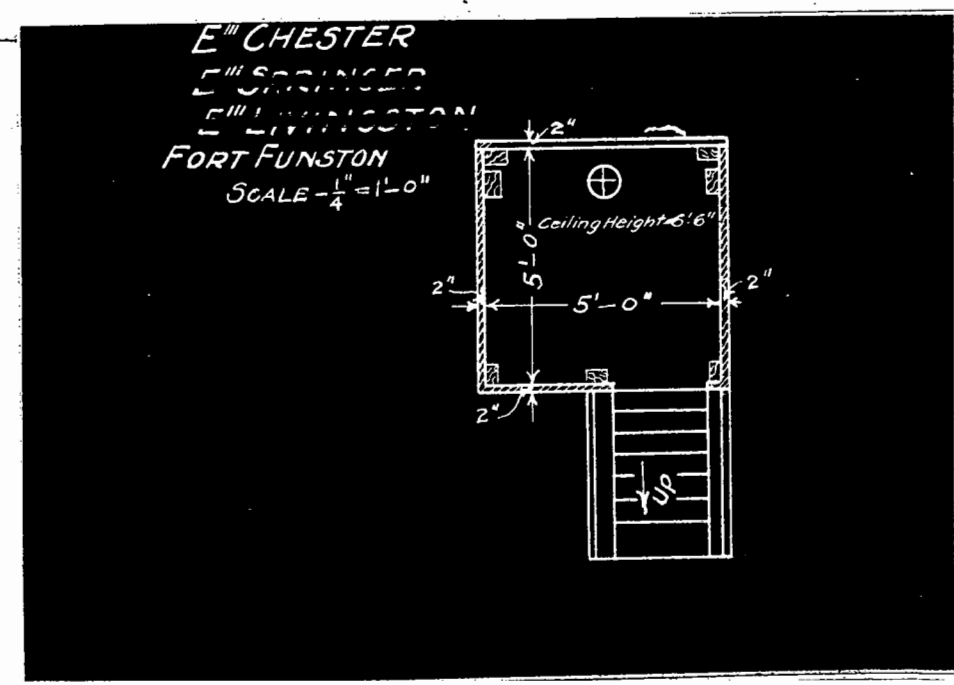
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REPORT OF COMPLETED WORKS -- SEACOAST FORTIFICATIONS.
(Fire control or Torpedo Structures)

HARBOR
~~XXXX~~ DEFENSES OF SAN FRANCISCO.
FORT. FUNSTON
STRUCTURE. **E" Chester**

Form 2. Corrected to **DEC 10 1927**

Location	Approx. 635 ft. North and 85 ft. West of Mortar No. 1, Battery Howe.	Type of data transmission	Telephone.
Date of transfer	Built by troop labor, 1917.	Date of transfer	)
Cost to that date	-----	Cost of data transmission	) Installed by Artillery.
Type of construction		equipment	)
(a) Roof	Wood and roofing felt.	For tide stations give descrip-	
(b) Remainder of bldg.	Wooden.	tion of tide gauge	
How concealed	Earth parapet and brush.	For datum points give Forts	
		from which visible	
How protected	Earth parapet.	For dormitories give	
		stations served	
Heights above concealment	Not above concealment.	For cable hut give	
Heights above protection	2-1/2 feet.	S.C. Type	
Conspicuous at 500 yards	from sea.		
Source of electric current	Not wired.		
Kilowatts required	None.		
Type of lighting fixtures	None.		
How heated	Not heated.		
Connected to water mains	No.		
Connected to sewer	No.		
Type of latrine	None.		
Permanent or temporary			
installation	Temporary.		
Present condition	Poor.		
Reference of site	41.0 ft. (approx.) above M.L.L.W.		
Reference of instrument			
axis			
Type of observing inst.	Pier for W. & S. Azimuth		
Type of plotting board	Inst.; no inst. in place.		
Type and capacity of crane			
Max. dimensions of reel handled			



Authority **UND 735036**
By **NARA** Date **7-21-00**

Observed

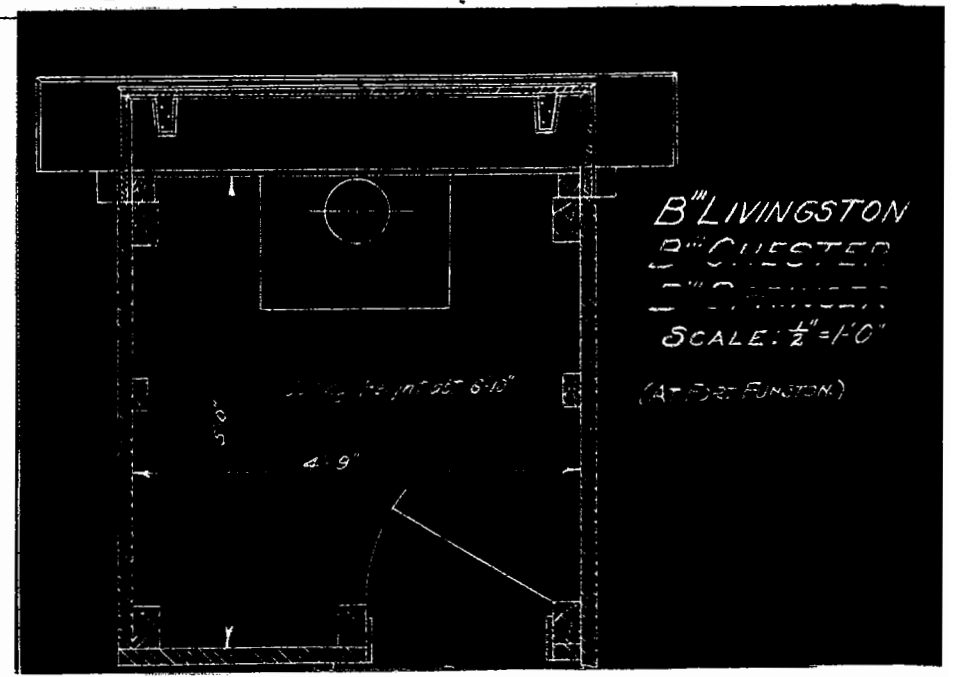
REPORT OF COMPLETED WORKS -- SEACOAST FORTIFICATIONS.
(Fire control or Torpedo Structures)

HARBOR
~~XXXXX~~ DEFENSES OF SAN FRANCISCO.
FORT.. FUNSTON
STRUCTURE.. B" Livingston.

Form 2. Connected to DEC 10, 1927

Location	Approx. 183 feet west and 194 feet north of Mortar #4, Battery Howe.	Type of data transmission	Telephone.
Date of transfer	*	Date of transfer	)
Cost to that date	*	Cost of data transmission	) Installed by Artillery.
Type of construction		equipment	)
(a) Roof	Wood and roofing felt.	For tide stations give descrip-	
(b) Remainder of bldg.	Wooden.	tion of tide gauge	
How concealed	Earth parapet and brush.	For datum points give Forts	
		from which visible	
How protected	Earth parapet.	For dormitories give	
		stations served	
Heights above concealment	Not above concealment.	For cable hut give	
Heights above protection	2-1/2 feet.	S-C-Type	
Conspicuous at 500 yards	from sea.		
Source of electric current	Not wired for lights.		
Kilowatts required	None.		
Type of lighting fixtures	None.		
How heated	Not heated.		
Connected to water mains	No.		
Connected to sewer	No.		
Type of latrine	None.		
Permanent or temporary installation	Temporary.		
Present condition	Poor.		
Reference of site	45.5 feet (approx.) above M.L.L.W.		
Reference of instrument axis	Pier for W. & S. Azimuth Inst.; no inst. in place.		
Type of observing inst.			
Type of plotting board			
Type and capacity of crane			
Max. dimensions of reel handled			

*Hole dug and boarded up breast high by Engr. Dept., 1916; subsequently sides and roof added by troop labor. Cost of Engr. Dept. work approximately \$20.00



Authority NND 735036
By NARA Date 7-21-00

absolute

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

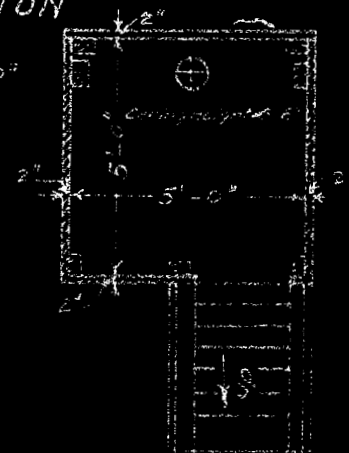
HARBOR
~~KOKOA~~ DEFENSES OF SAN FRANCISCO.
FORT. FUNSTON.
STRUCTURE... E^{III} Livingston

Form 2.

Corrected to ~~SEP~~ 10 1927

Location	Approx. 706 ft. North and 149 ft. West of Mortar No. 1, Battery Howe.	Type of data transmission	Telephone.
Date of transfer	Built by troop labor, 1917.	Date of transfer	)
Cost to that date	-----	Cost of data transmission equipment	) Installed by Artillery.
Type of construction	-----	For tide stations give descrip- tion of tide gauge	-----
(a) Roof	Wooden & roofing felt.	For datum points give Forts from which visible	-----
(b) Remainder of bldg.	Wooden.	For dormitories give stations served	-----
How concealed	Earth parapet and brush.	For cable hut give S.C. Type	-----
How protected	Earth parapet.	-----	-----
Heights above concealment	Not above concealment.	-----	-----
Heights above protection	2-1/2 feet.	-----	-----
Conspicuous at	500 yards from sea.	-----	-----
Source of electric current	Not wired for lights.	-----	-----
Kilowatts required	None.	-----	-----
Type of lighting fixtures	No fixtures.	-----	-----
How heated	Not heated.	-----	-----
Connected to water mains	No.	-----	-----
Connected to sewer	No.	-----	-----
Type of latrine	No latrine.	-----	-----
Permanent or temporary installation	Temporary.	-----	-----
Present condition	Poor.	-----	-----
Reference of site	40.5 ft. (approx.) above M.L.L.W.	-----	-----
Reference of instrument axis	-----	-----	-----
Type of observing inst.	Pier for W. & S. Azimuth Inst.; no inst. in place.	-----	-----
Type of plotting board	-----	-----	-----
Type and capacity of crane	-----	-----	-----
Max. dimensions of reel handled	-----	-----	-----

E^{III} CHESTER
E^{III} SPRINGER
E^{III} LIVINGSTON
FORT FUNSTON
SCALE - 1/4" = 1'-0"



Authority NAVJAG 735036
By NA NARA Date 7-21-00

Obsolete

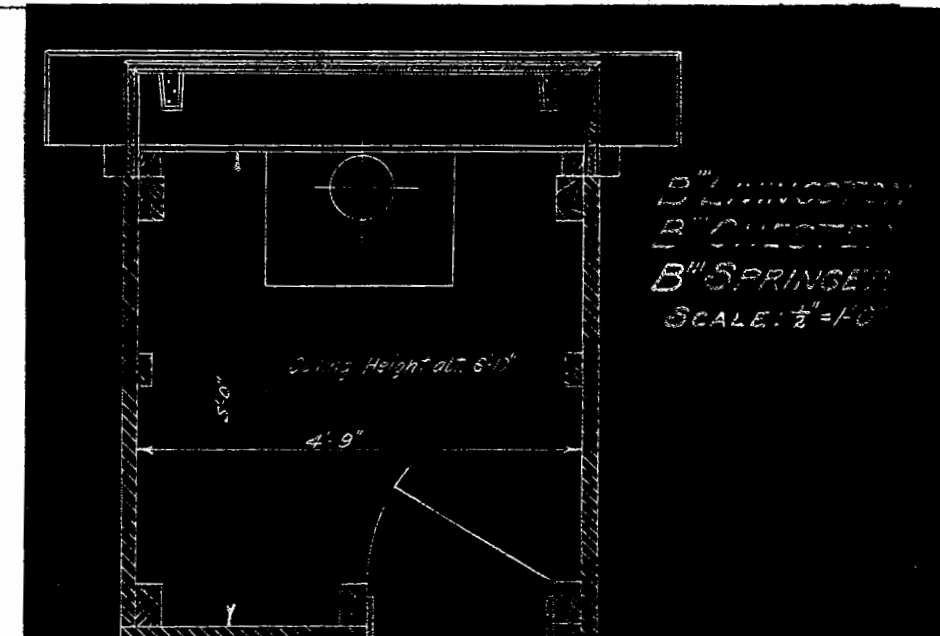
REPORT OF COMPLETED WORKS -- SEACOAST FORTIFICATIONS.
(Fire control or Torpedo Structures)

HARBOR
~~COAST~~ DEFENSES OF SAN FRANCISCO.
FORT.. FUNSTON..
STRUCTURE.. B"¹ Springer

Form 2. Corrected to DEC 10 1927

Location	Approx. 191 ft. West and 143 ft. South of Mortar No. 4, Battery Howe.	Type of data transmission	Telephone.
Date of transfer	*	Date of transfer	)
Cost to that date	*	Cost of data transmission	) Installed by Artillery.
Type of construction		equipment	)
(a) Roof	Wood and roofing felt.	For tide stations give descrip-	
(b) Remainder of bldg.	Wooden.	tion of tide gauge	
How concealed	Earth parapet and brush.	For datum points give Forts	
How protected	Earth parapet.	from which visible	
Heights above concealment	Not above concealment.	For dormitories give	
Heights above protection	2-1/2 feet.	stations served	
Conspicuous at 500 yards	at sea.	For cable hut give	
Source of electric current	Not wired for lights.	S.C. Type	
Kilowatts required	None.		
Type of lighting fixtures	None.		
How heated	Not heated.		
Connected to water mains	No.		
Connected to sewer	No.		
Type of latrine	None.		
Permanent or temporary installation	Temporary.		
Present condition	Poor.		
Reference of site	52.5 ft. (approx.) above M.L.L.W.		
Reference of instrument axis			
Type of observing inst.	Pier for W. & S. Azimuth Inst.; no inst. in place.		
Type of plotting board			
Type and capacity of crane			
Max. dimensions of reel handled			

*Hole dug in ground and boarded up breast high by Engr. Dept., 1916. Subsequently, sides and roof added by troop labor. Cost of Engr. Dept. work approx. \$20.00.



Authority NAVJ 735036
By NA NARA Date 7-21-00

Obsolete

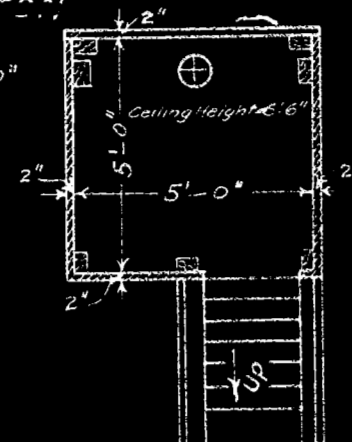
REPORT OF COMPLETED WORKS -- SEACOAST FORTIFICATIONS.
(Fire control or Torpedo Structures)

HARBOR
~~XXXXXX~~ DEFENSES OF SAN FRANCISCO.
FORT. FUNSTON.
STRUCTURE... E^{III} Springer.

Form 2. Corrected to DEC 10 1927

Location	Approx. 531 ft. North and 200 ft. West of Mortar No. 1, Battery Howe.	Type of data transmission	Telephone.
Date of transfer	Built by troop labor, 1917.	Date of transfer	)
Cost to that date	-----	Cost of data transmission equipment	) Installed by Artillery.
Type of construction			
(a) Roof	Wooden & roofing felt.	For tide stations give description of tide gauge	
(b) Remainder of bldg.	Wooden.	For datum points give Forts from which visible	
How concealed	Earth parapet & brush.	For dormitories give stations served	
How protected	Earth parapet.	For cable hut give S.C. Type	
Heights above concealment	Not above concealment.		
Heights above protection	2-1/2 ft.		
Conspicuous at	500 yards from sea.		
Source of electric current	Not wired for lights.		
Kilowatts required	None.		
Type of lighting fixtures	None.		
How heated	Not heated.		
Connected to water mains	No.		
Connected to sewer	No.		
Type of latrine	None.		
Permanent or temporary installation	Temporary.		
Present condition	Poor.		
Reference of site	35.0 ft. (approx.) above M.L.L.W.		
Reference of instrument axis			
Type of observing inst.	Pier for W. & S. Azimuth inst.; no inst. in place.		
Type of plotting board			
Type and capacity of crane			
Max. dimensions of reel handled			

E^{III} CHESTER
E^{III} SPRINGER
E^{III} FUNSTON
FORT FUNSTON
SCALE - 1/4" = 1'-0"



Authority NND 735036
By NARA Date 7-21-00

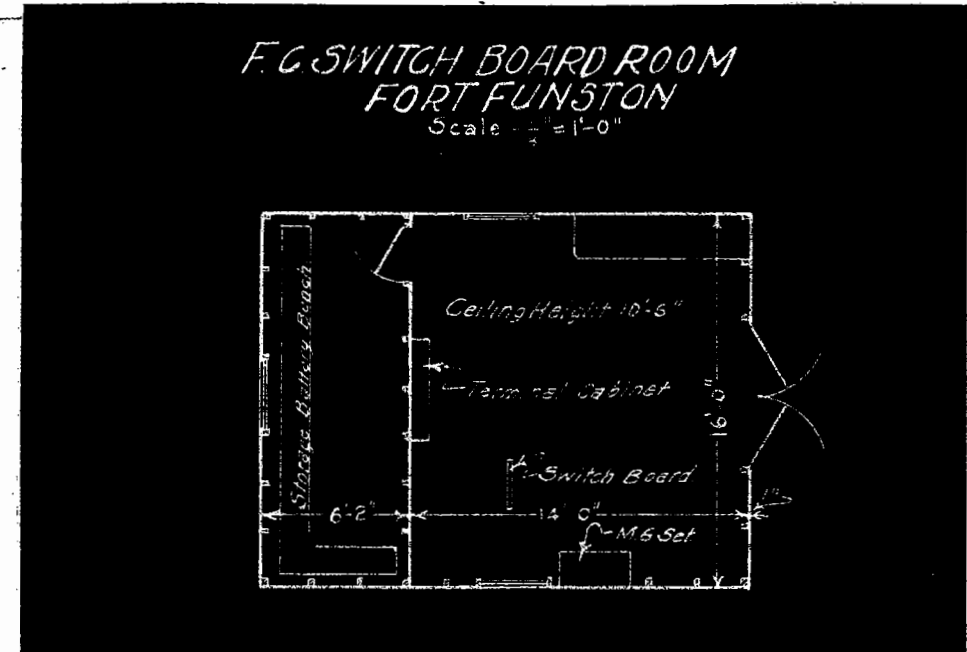
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REPORT OF COMPLETED WORKS -- SEACOAST FORTIFICATIONS.
(Fire control or Torpedo Structures)

HARBOR
~~XXXX~~ DEFENSES OF SAN FRANCISCO.
FORT.. FUNSTON.
STRUCTURE... F.C. Switchboard Room.

Form 2. Corrected to DEC 10 1927

Location	About 115 yds. north of platform, Battery Walter Howe.	Type of data transmission	Telephone.
Date of transfer	Built by troop labor.	Date of transfer	Installed by Artillery.
Cost to that date	Remodeled to serve as Swb. by troops, 1926.	Cost of data transmission equipment	
Type of construction			
(a) Roof	Wooden.	For tide stations give description of tide gauge	
(b) Remainder of bldg.	Wooden.	For datum points give Forts from which visible	
How concealed	Sand dunes, trees and U.S. Coast Guard structures.	For dormitories give stations served	
How protected	Not protected.	For cable hut give S.C. Type	
Heights above concealment	Not visible from sea except in certain limited		
Heights above protection	azimuths; inconspicuous		
Conspicuous at	yards. throughout the latter.		
Source of electric current	Commercial supply at Post.		
Kilowatts required	1.419 k.w.		
Type of lighting fixtures	Engr. Dept. standard, iron conduit.		
How heated	Not heated.		
Connected to water mains	No.		
Connected to sewer	No.		
Type of latrine	None.		
Permanent or temporary installation	Temporary.		
Present condition	Good.		
Reference of site	30 ft. above M.L.L.W.		
Reference of instrument axis			
Type of observing inst.			
Type of plotting board			
Type and capacity of crane			
Max. dimensions of reel handled			



Authority AND 735036
By NARA Date 7-21-00

Obsolete

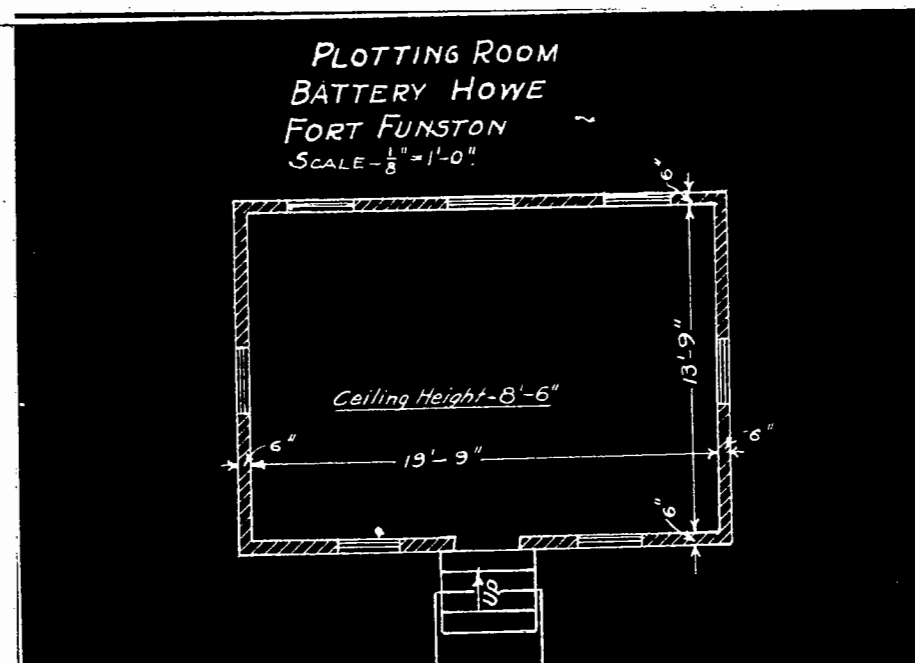
REPORT OF COMPLETED WORKS -- SEACOAST FORTIFICATIONS.
(Fire control or Torpedo Structures)

HARBOR
~~XXXXXX~~ DEFENSES OF SAN FRANCISCO.
FORT.. FUNSTON.....
STRUCTURE.. P. Walter. Howe.....

Form 2.

Corrected to DEC 10 1921

Location	About 50 yds. to left and rear of left mortar, Battery Howe.	Type of data transmission	Telephone.
Date of transfer	Jan. 20, 1919.	Date of transfer	With structure.
Cost to that date	\$1,254.23	Cost of data transmission	
Type of construction		equipment	Supplied by Signal Corps.
(a) Roof	Wooden.	For tide stations give description of tide gauge	
(b) Remainder of bldg.	Wooden.	For datum points give Forts from which visible	
How concealed	Building in rear of higher ground seaward.	For dormitories give stations served	
How protected		For cable hut give S.C. Type	
Heights above concealment	----		
Heights above protection	----		
Conspicuous at _____ yards	Not visible from sea.		
Source of electric current	Commercial supply at Post.		
Kilowatts required	.3 k.w.		
Type of lighting fixtures	W.T. fixtures and armored cable.		
How heated	Not heated.		
Connected to water mains	Yes.		
Connected to sewer	No.		
Type of latrine	None.		
Permanent or temporary installation	Temporary.		
Present condition	Good.		
Reference of site	35. ft. (approx.) above M.L.L.W.		
Reference of instrument axis	----		
Type of observing inst.	One 110° Board, Mod. 1906.		
Type of plotting board	One 110° Board, Mod. 1915.		
Type and capacity of crane			
Max. dimensions of reel handled			



Authority AND 735036
By MA NARA Date 7-21-00

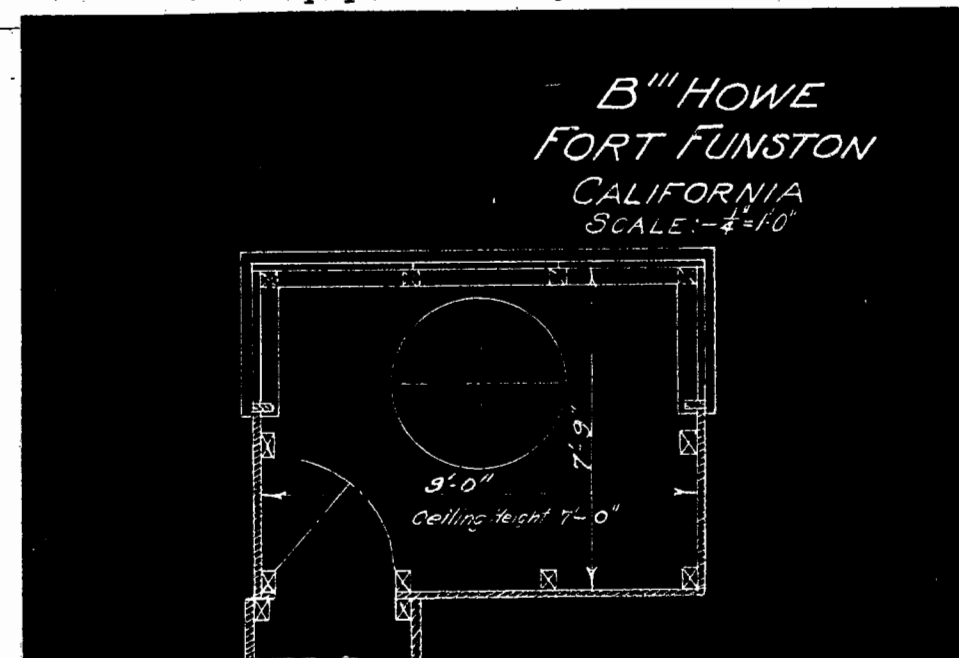
obsolete

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

HARBOR DEFENSES OF SAN FRANCISCO.
FORT... **FUNSTON.**
STRUCTURE... **B^{III} HOWE.**

Form 2. Corrected to NOV 1927

Location	About 200' north of south boundary and 50' west of east boundary, Ft. Funston.	Type of data transmission	Telephone. *
Date of transfer	Built by troop labor.	Date of transfer	)
Cost to that date	--	Cost of data transmission	) Supplied by S. C.
Type of construction		equipment	)
(a) Roof	Wood and corrugated iron.	For tide stations give descrip-	
(b) Remainder of bldg.	Wood and corrugated iron.	tion of tide gauge	
How concealed	Earthen parapet.	For datum points give Forts	
		from which visible	
How protected	Sand Bags and earthen parapet.	For dormitories give	
		stations served	
Heights above concealment	2.5'	For cable hut give	
Heights above protection	2.5'	S.C. Type	
Conspicuous at	500 yards from sea.	* Equipment temporary installed when station is needed	
Source of electric current	None.	for use during seasons of target practice. At all	
Kilowatts required	--	other times, all equipment removed.	
Type of lighting fixtures	None.		
How heated	Not heated.		
Connected to water mains	--		
Connected to sewer	--		
Type of latrine	--		
Permanent or temporary			
installation	Temporary.		
Present condition	Poor.		
Reference of site	About 210.0 above M.L.L.W.		
Reference of instrument			
axis	Not known.		
Type of observing inst.	D.P.F. *		
Type of plotting board			
Type and capacity of crane			
Max. dimensions of reel handled			



Authority **WWD 735636**
By **ME** NARA Date **7-21-00**

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(SEARCHLIGHTS)

COAST DEFENSES OF SAN FRANCISCO, CALIFORNIA.

FORT FUNSTON

SEARCHLIGHT NO. 1 Transferred to 3rd A.A. Battalion, Dec. 23, 1921.

Form 4.

Corrected to OCT.1, 1921

Size 60-inch Portable or fixed PORTABLE

PROJECTOR

Location..... On bluff near Coast Guard
Lockout Station, Ft.
Funston.
Manufacturer..... Sperry Gyroscope Co.
Type of projector..... Open mounting
Form of projector..... Mark 1 Model 0
Serial No. of projector.... 258
Type of lamp..... Mark x
Model of lamp..... 1
Serial No. of lamp..... High intensity 208; Medium
intensity 175.
Electric or hand control.. Hand control
Material of mirror..... Glass mounted on iron back.
Date received in district: July 23, 1920.
From whom received..... Army Reserve Depot, Schenec-
tady, N.Y.
Age of mirror..... Unknown
Condition of mirror..... Good
Date last repaired.....
Switchboard, serial No. .. 55312 Type C.D.G.

CABLES #

Power plant to searchlight
Type..... 2 cond. R.C. cable
Length and size..... 300 ft. 4/0
In conduits or in air.... Air.
Controller to light..... No controller
Type.....
Length and size.....
In conduit or in air.....
Aux. controller to light.. No aux. controller.
Length and size.....
In conduit or in air.....

INSTALLATION

: Standard, Cadillac, portable set;
: General character..... unprotected, day shelter.
: Date transferred to Shelter-July 15, 1920 (temporary).
: troops.....
: Cost to that date..... \$2577.13 (Shelter, for 3 complete
sets.)
: Shelter..... Concrete floor; wooden frame; corrug-
: Materials of construction.. ated iron roof & sides.
: Interior dimensions..... 36' x 24'
: Height and type of tower.... No tower.
: Means by which projector : Removed from Cadillac truck by run-
: is placed in operating : way and transported to operating
: position..... position on its own running gear.
: Reference axis of projector :
: in operating position..... Approximately 175
: Kind of protection in :
: operating position..... No protection.
: Concealment of day shelter :
: from approach channel..... No concealment.
: Dates & cost of extensive :
: remodeling or reconstruc- :
: tion.....

POWER PLANT

: Location..... Cadillac truck.
: Maximum demand KW..... 21-k.w.
: Type and size..... G.E. 1027 - 105 V- 200 A Generator.

CONTROLLERS

: Location.....
: Type.....
: Form..... No controller.
: Serial No.
: How protected or con- :
: cealed.....

Authority WD 735936
By NARA Date 7-21-00

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(SEARCHLIGHTS)

COAST DEFENSES OF SAN FRANCISCO, CALIFORNIA.

FORT FINSTON

SEARCHLIGHT NO. 2 *Transferred to 3rd A.A. Battalion, Dec. 23, 1921.*

Form 4.

Corrected to OCT.1,1921

Size 60-inch Portable or fixed

PORTABLE

PROJECTOR

: On bluff near Coast Guard
Location.....: Lookout Station, Fort
: Finston.
Manufacturer.....: Sperry Gyroscope Co.
Type of projector.....: Open mounting
Form of projector.....: Mark 1, Model 0
Serial No. of projector....: 281.
Type of lamp.....: Mark X
Model of lamp.....: 1
Serial No. of lamp.....: High intensity 242, medium
: intensity 153
Electric or hand control.: Hand control
Material of mirror.....: Glass, mounted on iron back.
Date received in district: July 23, 1920.
From whom received.....: Army Reserve Depot, Schenec-
: tady, N.Y.
Age of mirror.....: Unknown
Condition of mirror.....: Good
Date last repaired.....:
Switchboard, serial No. .: 55312 Type C.D.G.

CABLE #

Power plant to searchlight
Type.....: 2 cond.R.C.cable.
Length and size.....: 300 ft. 4/0.
In conduits or in air....: Air
Controller to light.....: No controller.
Type.....:
Length and size.....:
In conduit or in air.....:
Aux. controller to light.: No aux. controller.
Length and size.....:
In conduit or in air.....:

INSTALLATION

: Standard Cadillac portable set;
: General character.....: unprotected, day shelter.
: Date transferred to
: troops.....: Shelter-July 15, 1920 (temporary).
: Cost to that date.....: \$2577.13 (Shelter for 3 complete
: sets.)
: Shelter.....: Concrete floor, wooden frame; corrug
: Materials of construction.: ated iron roof & sides.
: Interior dimensions.....: 36' x 24'
: Height and type of tower....: No tower.
: Means by which projector
: is placed in operating : Removed from Cadillac truck by run
: position.....: way and transported to operating
: Reference axis of projector : position on its own running gear.
: in operating position.....: Approximately 175
: Kind of protection in
: operating position.....: No protection.
: Concealment of day shelter :
: from approach channel.....: No concealment.
: Dates & cost of extensive
: remodeling or reconstruc- :
: tion.....:

POWER PLANT

: Location.....: Cadillac truck
: Maximum demand KW.....: 21-k.w.
: Type and size.....: G.E.1027- 105 V- 200A Generator.

CONTROLLERS

: Location.....:
: Type.....: No controller.
: Form.....:
: Serial No.:
: How protected or con- :
: cealed.....:

Authority AND 735036
By NA NARA Date 7-21-00

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(SEARCHLIGHTS)

COAST DEFENSES OF SAN FRANCISCO, CALIFORNIA.

FORT FUNSTON

SEARCHLIGHT NO. FOR GREAT HIGHWAY Transferred to 3rd A.A. Battalion

Form 4.

Corrected to OCT.1, 1921

Size 60-inch Portable or fixed

PORTABLE

Dec. 23, 1921.

PROJECTOR

Location.....: Along Great Highway, south
: of Cliff House.

Manufacturer.....: Sperry Gyroscope Co.

Type of projector.....: Open mounting

Form of projector.....: Mark 1; Model 0

Serial No. of projector....: 286

Type of lamp.....: Mark x

Model of lamp.....: 1

Serial No. of lamp.....: High intensity 237; medium
: intensity 193.

Electric or hand control.: Hand control

Material of mirror.....: Glass, mounted on iron back.

Date received in district: Sept. 15, 1920.

From whom received.....: Army Reserve Depot, Schenec-
: tady, N.Y.

Age of mirror.....: Unknown.

Condition of mirror.....: One side cracked, but servi-
: ceable.

Date last repaired.....:

Switchboard, serial No. .: 55312, type C.D.G.

CABLES #

Power plant to searchlight

Type.....: 2 cond. R.C. cable.

Length and size.....: 300 ft. 4/0

In conduits or in air....: Air

Controller to light.....: No controller.

Type.....:

Length and size.....:

In conduit or in air.....:

Aux. controller to light.: No aux. controller.

Length and size.....:

In conduit or in air.....:

INSTALLATION

General character.....: Standard, Cadillac, portable set;
: unprotected, day shelter.

Date transferred to

troops.....: Shelter-July 15, 1920 (temporary)

Cost to that date.....: \$2577.13 (Shelter for 3 complete
: sets.)

Shelter.....: Materials of construction.: Concrete floor; wooden frame; corrug-
: ated iron roof & sides.

Interior dimensions.....: 36' x 24'

Height and type of tower....: No tower

Means by which projector

is placed in operating

position.....: Removed from Cadillac truck by run-
: way and transported to operating
: position on its own running gear.

Reference axis of projector :

in operating position.....: Approximately 35

Kind of protection in

operating position.....: No protection.

Concealment of day shelter :

from approach channel.....: No concealment.

Dates & cost of extensive :

remodeling or reconstruc- :

tion.....:

POWER PLANT

Location.....: Cadillac truck.

Maximum demand KW.....: 21-k.w.

Type and size.....: G.F. 1027- 105 V- 200 A Generator.

CONTROLLERS

Location.....:

Type.....:

Form.....: No controller.

Serial No.:

How protected or con-

cealed.....:

Authority WD 735636
By NA NARA Date 7-21-00

Authority WD 735036
By NA NARA Date 7-21-00

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REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Power Station for Fire Control Stations)

HARBOR DEFENSES OF SAN FRANCISCO
FORT. FUNSTON
STRUCTURE, POWER HOUSE (2-UNIT) INSTALLATION NO. 2

PART II (Modified) Corrected to JUNE 1944

STRUCTURE: South Funston
(Southerly area)
Location (by site description) 27 June 1944:
Date of transfer.
Cost to that date \$2,063.84 (incl. cables & all new work at this location)
Type (for observing stat. -- tower, dug-in, cottages, etc.) dug-in
Type of construction.
(a) Roof Reinforced concrete
(b) Remainder of bldg Reinforced concrete
How concealed Earth backfill and vegetation
How protected Earth backfill
Height above concealment Not above concealment
Height above protection Not above protection
Conspicuous at. yards Not conspicuous from sea or air.

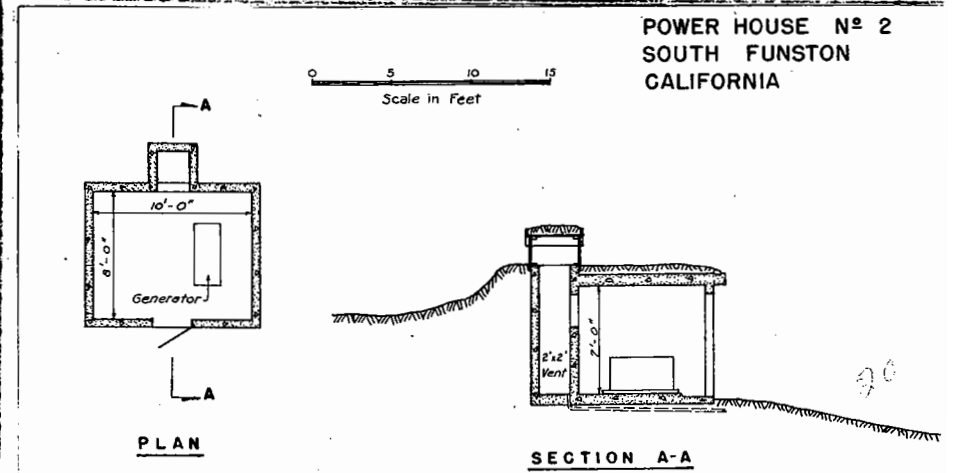
UTILITIES: (Electrical and Power Distribution)
Commercial Power Post Power furnished
Generated Power Yes
Source of generated power - standby generator
Characteristics: Voltage 120 AC 100 Phase 1
Hollowatt output 0.1 for this station 2.1 for other 3 stations
Number of generator sets installed one
Type and rating of generators 3 KVA 125 v 30 60 cy.
Generator serial No. 6711
Furnished by Signal Corps installed by U.S.E.D.
Type of lighting fixtures CSF-1
Generator sets provide power for the following Stations: Power House, B587 Const. 244, B484 Townsley and Funston groupment.

Type of switch installed 60 A. 2 P double-throw non-fusible.
30 A. 2 P fusible. Add. breakers, 50 A S.E. installed in exist. Panel
Type and kind of power cable of each location 2-#1/0 type.
HW conductors from panel to H.H. 1-#1/0 D.B. 3/0 #4 from H.H. to exist. cable serving B484 Townsley. Exist. U.G. tied in at H.
Number and Type of Transformers. None

Switching instructions Post Power and standby circuits connected to 60 A. 2 P D.T. Switch in this station switchin accomplished here. All stations on one circuit.

REFERENCES:
Reference of site 173.0 (0.00 at MLLW)
Floor elevation 170.00' (MLLW)

REMARKS *Existing panel (square D. Co. MM-3L) moved insid building and reinstalled complete.
Cost is a portion of total amount of \$40,670.00 set up for Job No. SF FS-21, Dir. Cons. FS-1254.
Scar areas replanted with ice plant.
Front face of structure not protected. Concealed by trees.



ED Form A-162B

FS-1254

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SPECM-1

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REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Power Station for Fire Control Stations)

HARBOR DEFENSES OF SAN FRANCISCO.
FORT. FUNSTON.
STRUCTURE. POWER HOUSE (1-UNIT) INSTALLATION #1.

PART II (Modified) Corrected to June 1944

STRUCTURE: South Funston (Northerly Area) Approx. 1200' So. of Gun #1, Btry. Davis.
Location (by site description)
Date of transfer. 27 June 1944
Cost to that date. \$1612.44 (incl. cables & all new work in B.C. Davis.
Type (for observing stat. -- tower, dug-in, cottages, etc.) dug-in
Type of construction.
(a) Roof. Reinforced concrete
(b) Remainder of bldg. Reinforced concrete
How concealed. Earth backfill and vegetation
How protected. Earth backfill
Height above concealment. Not above concealment.
Height above protection. Not above protection.
Conspicuous at. 500 . . . yards.

UTILITIES: (Electrical and Power Distribution)

Commercial Power Post Power Provided

Generated Power yes

Source of generated power standby generator.

Characteristics: Voltage. 120 . . . AC 3^{PH} Phase 1

Hilowatt output 0.1 for this station, 2.5 for other 3 stations

Number of generator sets installed. one

Type and rating of generators 3 KVA 125 V. AC 3^{PH} 60 cy.

Generator serial No. 6701

Furnished by Signal Corps installed by USED

Type of lighting fixtures CSF-1

Generator sets provide power for the following

Stations: Power House, BC-Bldg Davis.

SS Wallace and Group 4.

Type of switch installed. 1. - 30 amp. 2. pole fusible safety of. (See Revised Part II, B.C. Davis showing new switch).
Type and kind of power cable of each location 2 #8 D.B. from B.C. Davis to Power House for lights. 1. - #1/0 D.B. 1 - #3 cond. Parkway from B.C. Davis to Power House.
Number and Type of Transformers. None

Switching instructions. Post power connected to top; standby power connected to bottom of 60 A., 2 P. D.T. Switch located in BC Davis. Load connected to center pole of switch and all stations on the one circuit.

REFERENCES:

Reference of site 223.0 (0.00 at MLLW)

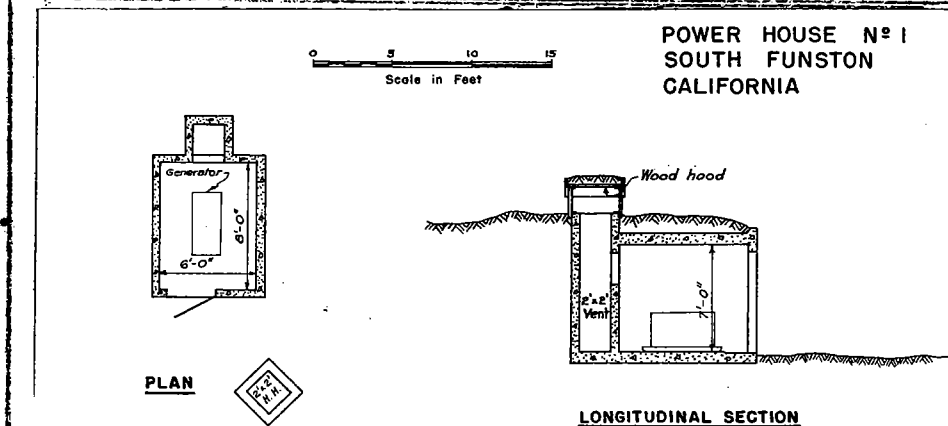
Floor elevation. 217.50 MLLW

REMARKS

Cost is a portion of total amount of \$40,670 set up for Job No. SF FS-21, Dir. Cons. FS 1254.

Scar area replanted with ice plant.

Front face of structure not concealed or protected.



ED Form A-162B

FS-1254

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REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Power Station for Fire Control Stations)

HARBOR DEFENSES OF SAN FRANCISCO.
FORT. FUNSTON.
STRUCTURE. POWER HOUSE (1-UNIT)

PART II (Modified) Corrected to JUNE 1944

STRUCTURE: North Funston (North)
Location (by site description) 450' West 3" AA Magazine
Date of transfer. 27 June 1944
Cost to that date. \$1,681.75 (incl. cables & all new work in B²S² 243)
Type (for observing stat. -- tower, dug-in, cottages, etc.) dug-in
Type of construction.
(a) Roof. Reinforced Concrete
(b) Remainder of bldg. Reinforced Concrete
How concealed. Earth backfill and vegetation
How protected. Earth backfill
Height above concealment. Not above concealment **
Height above protection. Not above protection **
Conspicuous at. 500 yards. conspicuous from sea.

UTILITIES: (Electrical and Power Distribution)
Commercial Power Post Power provided
Generated Power Yes
Source of Generated Power - Standby Generator
Characteristics: Voltage. 120 AC 3 Phase 1
Hill watt output. 0.1 for this station 1.05 for B²S² 243.
Number of generator sets installed. one
Type and rating of generators 125 KVA 125 V AC 3^o 60cy.
Generator serial No. 6691
Furnished by. Signal Corps installed by. U.S.E.D.
Type of lighting fixtures CSF-1
Generator sets provide power for the following Stations: This station and B²S² Const. 243.

Type of switch installed. 1-30 Amp. 2 Pole fusible Safety Trumbull Co. Cat. #682210.
Type and kind of power cable of each location 2-#8 direct burial 600 V. Cables to B²S² Const. 243.
Number and Type of Transformers. None

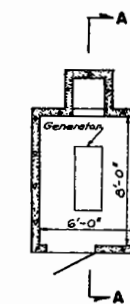
Switching instructions. One side of 30 A. 2 P. D.T. located in B²S² 243 is Post Power and one side standby.

REFERENCES:

Reference of site 107.00 (0.00 at MLLW)
Floor elevation. 103.25 MLLW

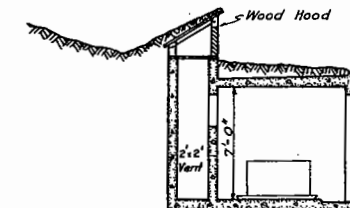
REMARKS

*Cost is portion of total amount of \$40,670.00 set up for Job No. SF FS-21, Dir. Cons. FS-1254.
Scar areas replanted with ice plant.
**Front face of structure not concealed or protected.



PLAN

Scale in Feet
0 5 10 15



SECTION A-A

POWER HOUSE B²S² 243
FORT FUNSTON (NORTH)
CALIFORNIA

CONFIDENTIAL

Authority AND 735036
By NARA Date 7-21-00

ED Form A-162B

FS-1254

15

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SPEKM-1

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REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Power Station for Fire Control Stations)

HARBOR DEFENSES OF SAN FRANCISCO
FORT. FUNSTON
STRUCTURE, POWER HOUSE (1-UNIT)

104031

PART II (Modified) Corrected to JUNE 1944

STRUCTURE:

Location (by site description). North Funston (South)
Date of transfer. 27 June 1944
Cost to that date. \$1,526.64 (incl. cables & all work in B4s4 129)
Type (for observing stat. -- tower, dug-in, cottages, etc.). dug-in
Type of construction.
(a) Roof. Reinforced Concrete
(b) Remainder of bldg. Reinforced Concrete
How concealed. Earth backfill and vegetation
How protected. Earth backfill
Height above concealment. Not above concealment*
Height above protection. Not above protection*
Conspicuous at. 500 yards not conspicuous from sea

UTILITIES: (Electrical and Power Distribution)

Commercial Power Post Power provided
(see switching instructions)
Generated Power Yes
Source of Generated Power - Standby Generator
Characteristics: Voltage. 120 AC Phase 1
Hilowatt output. 0.1 this station, .6 for B4s4 129
Number of generator sets installed. One
Type and rating of generators 3 KVA 125 V AC 30 60 cy.
Generator serial No. 6695
Furnished by Signal Corps installed by U.S.E.D.
Type of lighting fixtures CSF-1
Generator sets provide power for the following
Stations: This Station and B4s4 129

Type of switch installed. 1 - 30 Amp. 2 Pole Fusible
Safety Switch Trumbull Co. Cat. #68221C
Type and kind of power cable of each location
2 - #8 Direct Burial cables from this station to B4s4 129
Number and Type of Transformers. None

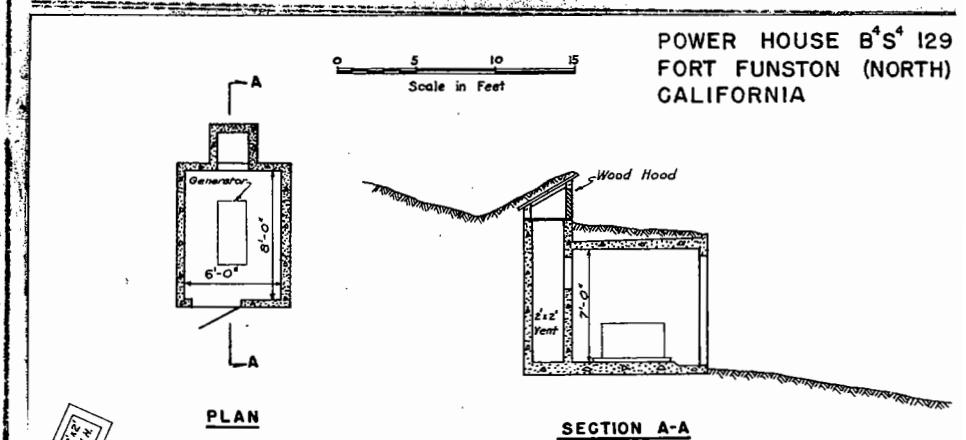
Switching instructions. Post Power tactical circuit tied to one side of 2 P.D.T. Switch and feeder to tactical panel tied to center (load) post on D.T. Switch located in entrance to B4s4 129

REFERENCES:

Reference of site 105.0 (0.00 at MLLW)
Floor elevation. 100.00 (MLLW)

REMARKS

Cost is a portion of total amount of \$40,670.00 set up for Job No. SF FS-21, Dir. Cons. FS-1254.
Scar areas replanted with ice plant
* Front face of structure not concealed or protected.



FS-1254

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ED Form A-162B

Authority AND 735036
By NARA Date 7-21-00

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100.914 (S.A. 722110) (M 54832)

U-130

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire Control or Torpedo Structure)

HARBOR DEFENSES OF San Francisco.....
FORT Funston.....
STRUCTURE Group..4. (Originally transferred as Group.6).....

Form 2

Corrected to May, 10, 1943.

STRUCTURE: Location Date of transfer Cost to that date Total Cost to this date Type of construction Roof Remainder of bldg. how concealed How protected Height above concealment Height above protection Conspicuous at 400 yards ELECTRIC CURRENT: Source of Electric Current Kilowatts required Type of lighting fixtures HEAT: How heated WATER & SEWER: Connected to water mains Connected to sewer Type of latrine Permanent or temp. inst'n. Present condition	54832 Ft. Funston, Calif., 1000' So. of County @ Batt. Davis. 120' West of Roadway-- November, 14, 1941 \$6,523.04 \$7,996.63 Reinforced concrete & Steel (Dome.) Reinforced concrete Earth Cover Earth back-filled and 1" Steel (Dome.) Not above concealment Not above protection Not conspicuous from sea Battery Davis Power Plant 0.96 KW U. S. E. D. S. F. 1 Not heated No No None Perm. New	INSTRUMENTS AND EQUIPMENT: Type of observing inst. Type of plotting board DATA TRANSMISSION: Type of Date of transfer Cost of data transmission equip. For tide stations give description of tide gauge For datum points give Forts from which visible For dormitories give sta. served For cable hut give S.C. type	M.P.F. M1 Class 3 No.108 None Telephone (Installed by Signal Corps). (See over)
REFERENCE: Reference of site Reference of inst. axis Elev. of inst. pedestal Type and capacity of crane Max. dim. of reel handled	Lat. 37° 42' 54.330" Long. 122° 30' 09.282" Elev. 173.67 M.L.L.W. 169.21' M.L.L.W. None None		

Incl. #2

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Authority 11ND 735036
By NARA Date 7-21-00

Alterations consisted of cutting 2'6"x2'6" doorway through rear wall,
installing steel door in the new opening and constructing 'L' shaped entrance
corridor of reinforced concrete design.

Job started 9-2-42

Job Completed 10-5-42

Cost of alterations \$1,473.57

OFFICE, DIVISION ENGINEER
SOUTH PACIFIC DIVISION
JUL 24 7 3-10 35 AM
SAN FRANCISCO, CALIFORNIA

Authority *AND 735036*
By *MT* NARA Date *7-21-00*

