

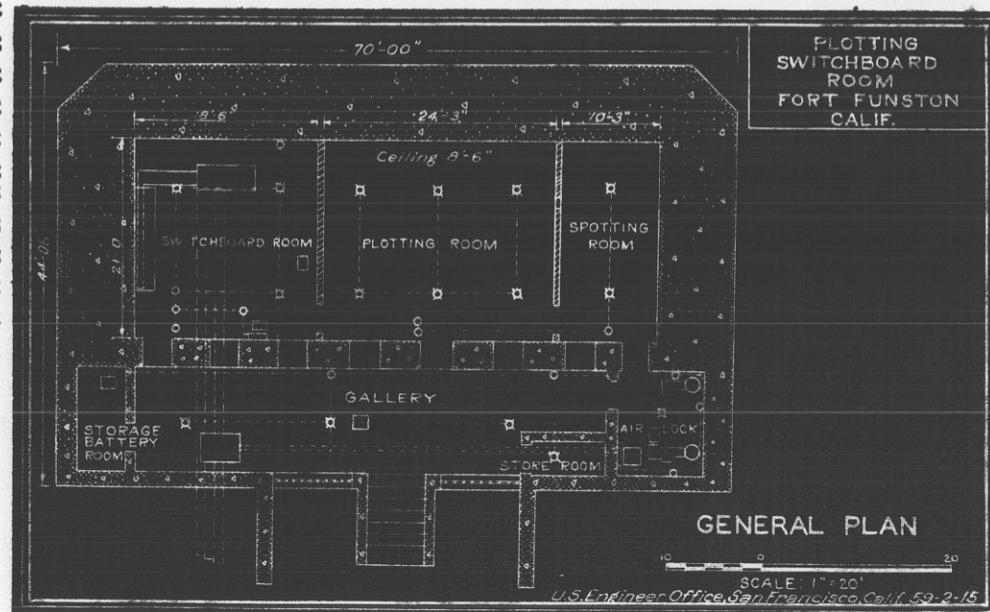
REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Plotting-Switchboard Room)

HARBOR DEFENSES OF SAN FRANCISCO
FORT FUNSTON, CALIFORNIA
PLOTING-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:	:		:
How heated	:Plug receptacles provided		:
	: for attachment of elec-		:
	: tric heaters		:
WATER & SEWER:	:		:
Connected to water mains	:None		:
Connected to sewer	:No		:
Time 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*superseded - see Form 2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 to July 1943*

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DECLASSIFIED

DOD Dir. 5200.9, Sept. 27, 1958

NCWN by 8 date 6-11-70

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

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

(Plotting-Switchboard Room)

Form 2

Corrected to (July 1943)

HARBOR DEFENSES OF SAN FRANCISCO

FORT FUNSTON

STRUCTURE PLOTTING-SWITCHBOARD ROOM

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

Reinforced Concrete

(a) Roof

Reinforced Concrete

(b) Remainder of bldg.

Earth Cover and vegetation

How concealed

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:

Connected to water mains

None

Connected to sewer

No

Type of latrine

No

Permanent or temp. inst'n.

None

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

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

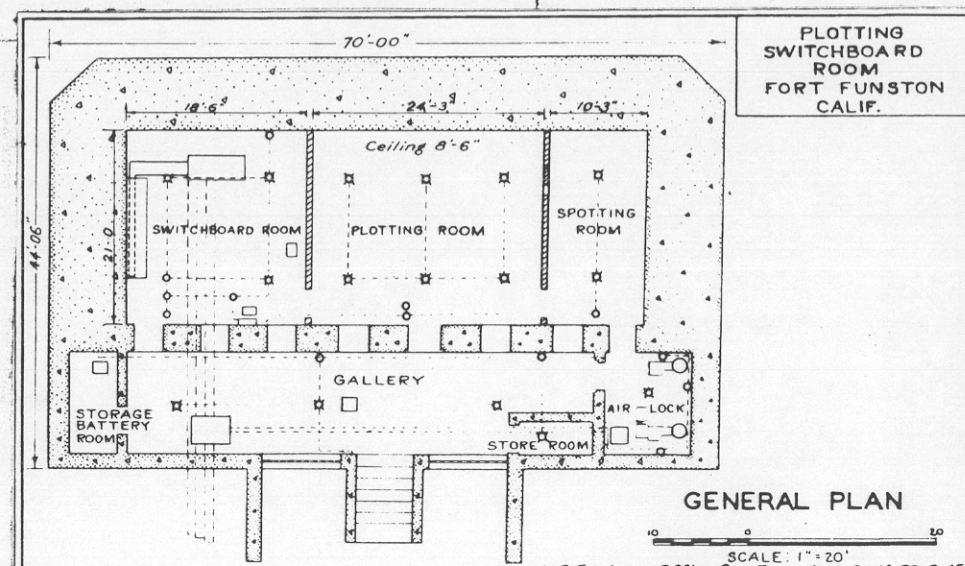
For dormitories give sta. served

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.



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SPEK-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 (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 of 60. Phase 1
Hilowatt 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, B285 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.
RW 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.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 switching accomplished here. All stations on one circuit.

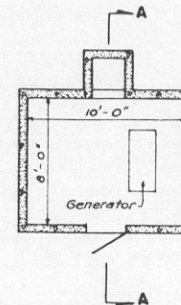
REFERENCES:

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

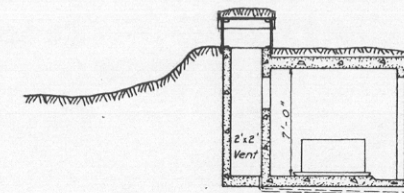
REMARKS *Existing panel (square D. Co. MM-3L) moved inside building and reinstalled complete.

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.

POWER HOUSE N° 2
SOUTH FUNSTON
CALIFORNIA



PLAN



SECTION A-A

ED Form A-162B

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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) 27 June 1944
Date of transfer.
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 60 Hz. 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 3060 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,
B35 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

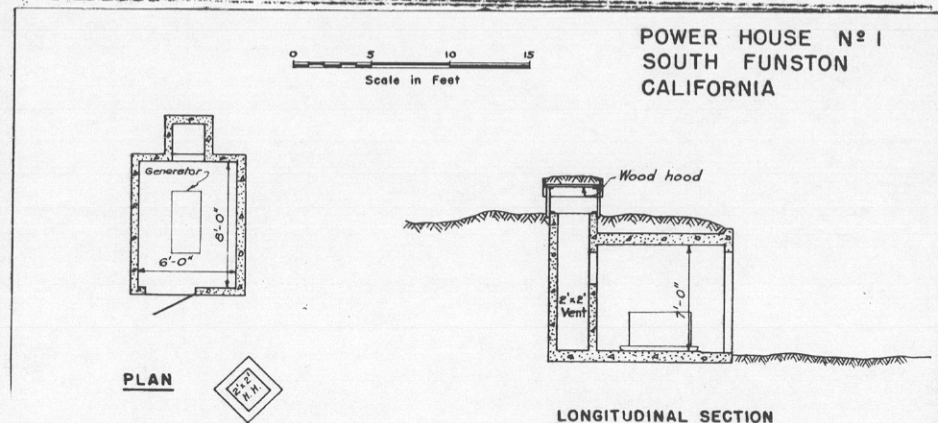
Switching instructions. Post power connected to top; standby power connected to bottom of 60 A., 2 P. D.T. Switch located in BC Davis. Load connected to center pole of switch and all stations on the one circuit.

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:

Location (by site description) North Funston (North)
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 ~~xxxxxx~~ Phase 1
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 ϕ 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.

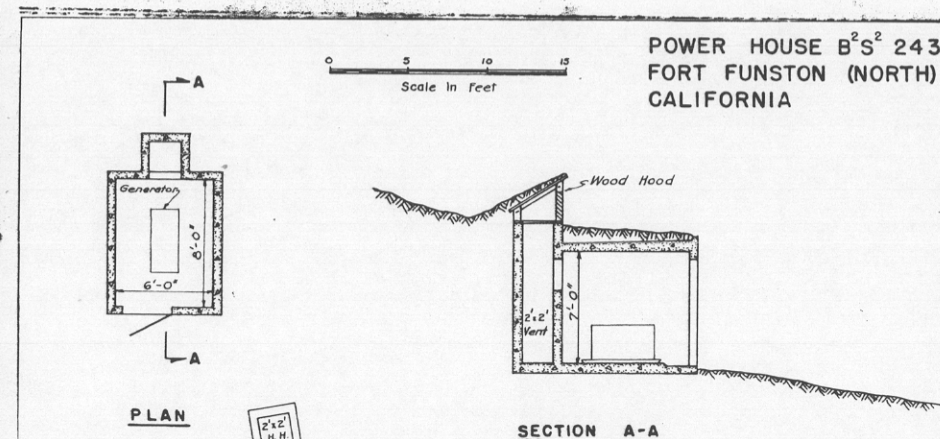
Type of switch installed. 1-30 Amp. 2 Pole fusible Safety Trumbull Co. Cat. #68221C.
Type and kind of power cable of each location 2-#8 direct burial 600 V Cables to B2S2 Const. 243.
Number and Type of Transformers. None
Switching instructions One side of 30 A. 2 P. D.T. located in B2S2 243 is Post Power 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.



ED Form A-162B

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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 Bldg 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 3000K Phase 1
Hilowatt output. 0.1 this station, .6 for Bldg 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 Bldg 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 Bldg 129
Number and Type of Transformers. None

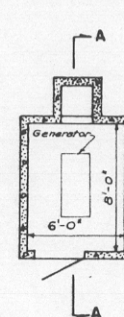
Switching instructions Post Power tactical circuit tied to one side of 2 P.D.T. Switch and feeder to tactical panel tied to center (load) post on D.T. Switch located in entrance to Bldg 129

REFERENCES:

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

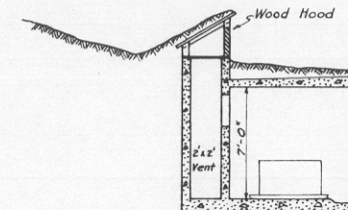
REMARKS

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.



PLAN

0 5 10 15
Scale in Feet



SECTION A-A

POWER HOUSE B'S 129
FORT FUNSTON (NORTH)
CALIFORNIA

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FS-1254

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS

HARBOR DEFENSES OF SAN FRANCISCO
FORT FUNSTON, CALIFORNIA

Form 6. Corrected to September 21, 1940

MISCELLANEOUS STRUCTURES

-
- PUMP HOUSE - Approximately 3,900 feet north of Gun No. 1. Constructed of reinforced concrete. Inside dimensions - 6 feet by 8 feet by 7 feet 6 inches high. A 9.2 H.P. Fairbanks Morse gasoline engine and centrifugal pump with a capacity of 100 gallons per minute is used to pump water from the city water main to the reservoir through approximately 5,400 feet of 4-inch C.I. pipe.
- RESERVOIR - Approximately 1,400 feet south of Gun No. 1. Constructed of reinforced concrete. The reservoir is divided into two equal compartments with a reinforced concrete manhole to each compartment and another manhole containing all of the valves. The inside dimensions of each compartment are 10 feet by 30 feet by 8 feet high. The floor of each compartment slopes 8 inches toward the outlet end. Approximately 2 feet of backfill over the structure. Capacity - 30,000 gallons.
- LATRINE - Approximately 300 feet northeast of Gun No. 1. Constructed of reinforced concrete, consisting of the following rooms:
- Officers' Room - Inside dimensions - 10 feet by 7 feet 6 inches by 7 feet 6 inches high.
 - Enlisted Men's Room - Inside dimensions - 14 feet by 11 feet 6 inches by 7 feet 6 inches high.
 - Air Lock - Inside dimensions - 10 feet by 6 feet by 7 feet 6 inches high.
- SEWAGE DISPOSAL SYSTEM - Located on the slope west of the Latrine. Consists of one distribution box, two septic tanks, and approximately 2,500 feet of 4-inch open-tile, subsoil drains.
- PORTABLE WAREHOUSE - On the South Roadway Extension, approximately 2,250 feet south of Gun No. 1. Pre-fabricated, structural steel, framed portable building, assembled on reinforced concrete footings. The floor is reinforced concrete and the sides and roof are corrugated metal. Inside dimensions - 50 feet by 20 feet by 10 feet high.

600,914 (San Fran) CM 72010

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ST 100-1

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
Fire Control StationHARBOR DEFENSES OF SAN FRANCISCO
FORT Funston
STRUCTURE..... B² S² Const. 243

PART II

Corrected to October 1943

72010

STRUCTURE: x... 122° 30' 16.538".....
 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

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)

INSTRUMENTS & EQUIPMENT:

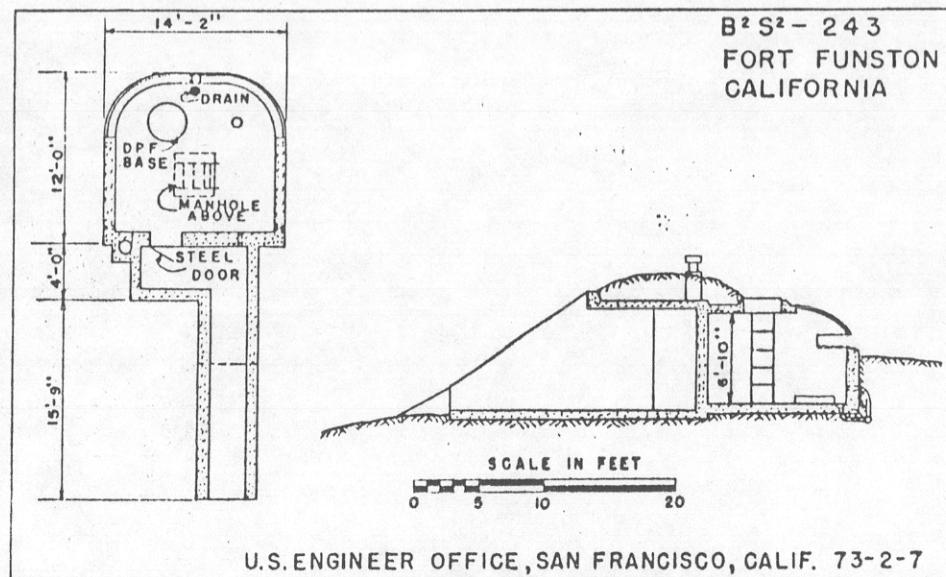
Type of observing inst. ... Installed by others....
 Type of plotting board

DATA TRANSMISSION:

Type Installed by Signal Corps.....
 Date of transfer

TIDE STATION:

Give description of tide gauge

ED Form A-162B
16 Sept. 1943

SECRET

FS-487 & 1453 Proj Card 96

SECRET

Control Approval Symbol EXM-1

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
Fire Control Station

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

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

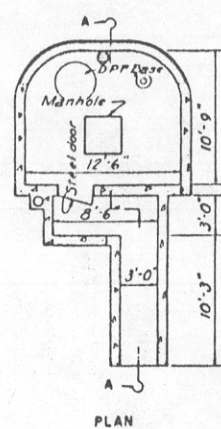
TIDE STATION:

Give description of tide gauge

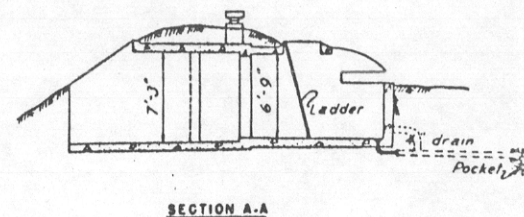
ED Form A-162B
16 Sept. 1943

SECRET

B³ S³ CHESTER
FORT FUNSTON, CALIFORNIA



0 5 10 15
SCALE IN FEET



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 \$2,514.62**
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 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

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 & ESF-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

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

DATA TRANSMISSION:

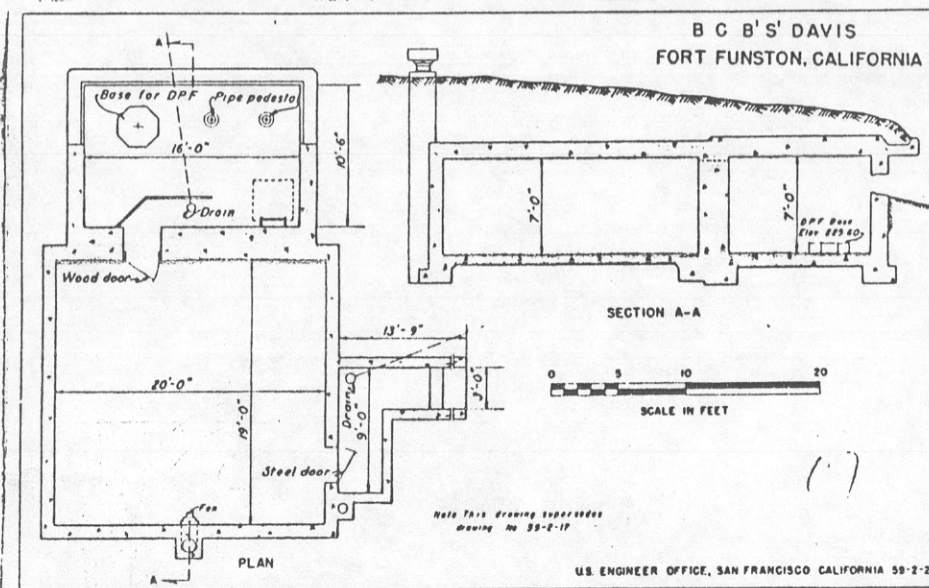
Type Telephone (installed by Signal Corps)
Date of transfer

TIDE STATION:

Give description of tide gauge

Presnet 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)



SECRET

Proj. Cont. 21

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SPEK-1

600.914 (S.1. Form) CM 69739
REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
POWER & STOREROOM

HARBOR DEFENSES OF SAN FRANCISCO.....
FORT 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

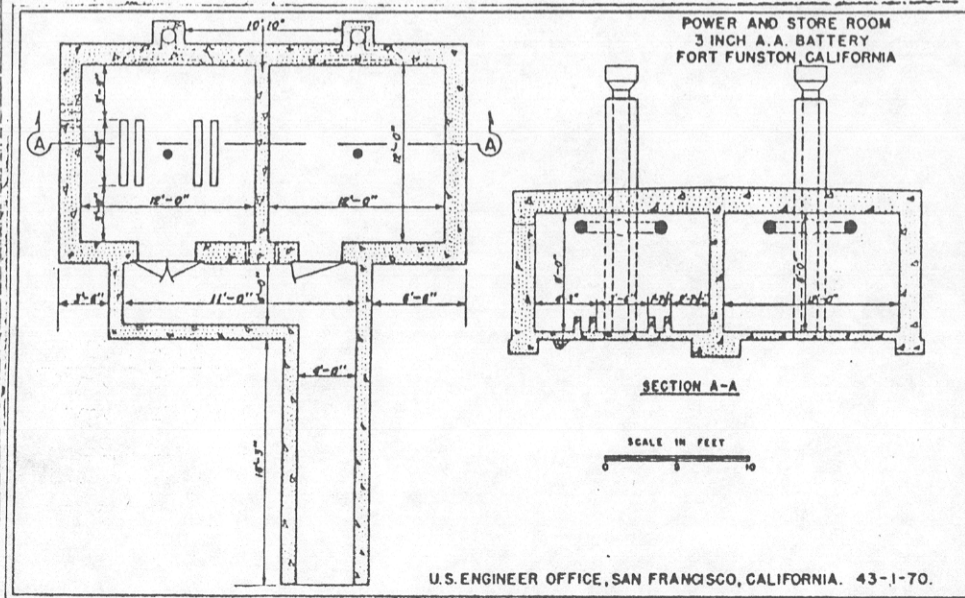
DATA TRANSMISSION:
Type
Date of transfer

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



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ED Form A-162B
16 Sept. 1943

600.914 (S2) 104031

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, CALIFORNIA.....
STRUCTURE..... Funston Groupment. *S2*.....

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.

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 latrine none.....

REFERENCE:

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

INSTRUMENTS & EQUIPMENT:

Type of observing inst. DPT. M1. Class 3. #107.....
Type of plotting board none.....

DATA TRANSMISSION:

Type Telephone installed by Signal Corps
Date of transfer

TIDE STATION:

Give description of tide gauge

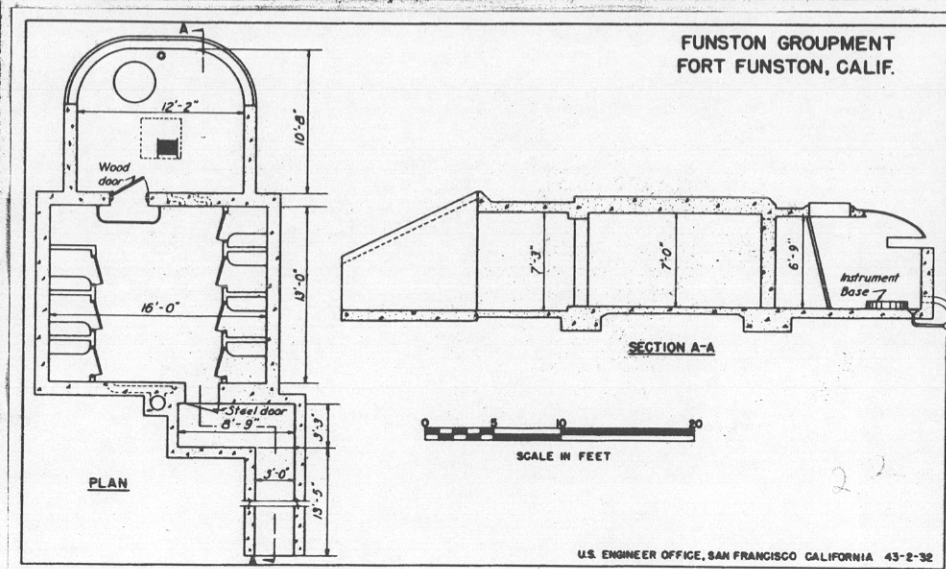
Present condition - good.

*Alterations transferred 1 June 1943.

**Final cost incl. alterations - \$6989.05.

Coordinates were not shown on Form 2 Corrected to
December 14, 1942.

(See reverse side of form for work accomplished in 1944)



ED Form A-162B
16 Sept. 1943

SECRET

600.914 (San Francisco) CM 53925

53925

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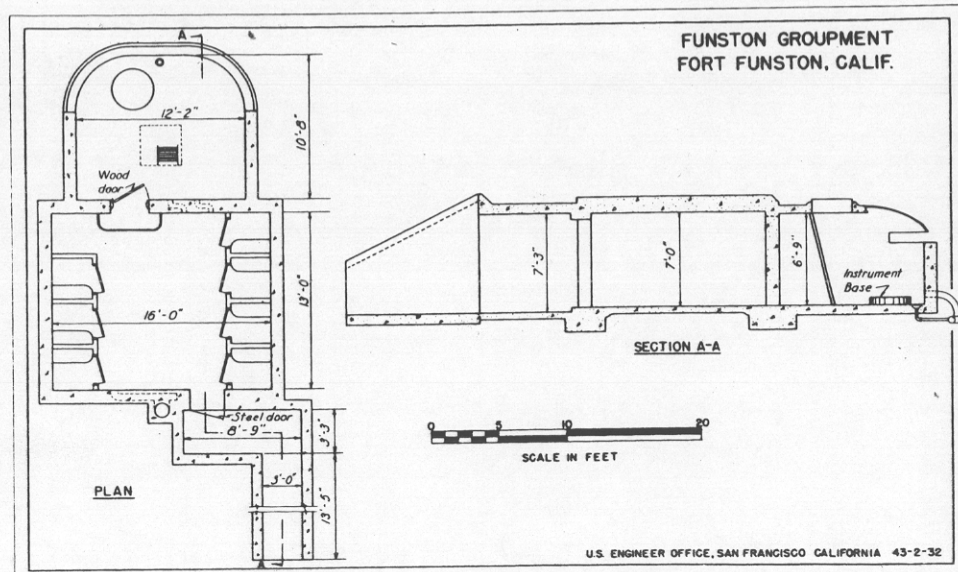
U-130

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire Control ~~XXXXXXXXXXXXXXXXXXXX~~)HARBOR DEFENSES OF.... San Francisco.....
FORT.... Funston, California.....
STRUCTURE.... Funston Groupment..... 62

Form 2

Corrected to December 14, 1942

STRUCTURE: Location	Fort Funston, approx. 1200 ft south of gun #2, Batt. Davis	INSTRUMENTS AND EQUIPMENT: Type of observing inst.	DPFm1 Class 3 #107
Date of transfer	Nov. 14, 1941	Type of plotting board	None
Cost to that date	\$5608.18	DATA TRANSMISSION: Type of	Telephone
Total cost to date	\$6989.05	Date of transfer	Installed by Signal Corps.
Type of construction	Rein. concrete & steel	Cost of data transmission equip.	
a) Roof	Rein. concrete & steel	For tide stations give description of tide gauge	
b) Remainder of bldg. now concealed	Earth cover and vegetation	For datum points give Forts from which visible	
How protected	Earth cover and vegetation	For dormitories give sta. served	
Height above concealment	Not above concealment	For cable hut give S.C. type	
Height above protection	Not above protection		
Conspicuous at 400 yards	Not conspicuous from sea		
ELECTRIC CURRENT:	Batt. Davis Power Plant		
Source of	7.50 KW		
Kilowatts required	USED SF 1		
Type of lighting fixtures	Electric heater by others		
HEAT:	No		
How heated	No		
WATER & SEWER:	None		
Connected to water mains	None		
Connected to sewer	None		
Type of latrine	None		
Permanent or temp. inst'n.	Good		
Present condition			
REFERENCE:	188.00		
Reference of site	187.20		
Reference of inst. axis	182.74		
Elev. of inst. pedestal	None		
Type and capacity of crane	None		
Max. dim. of reel handled			



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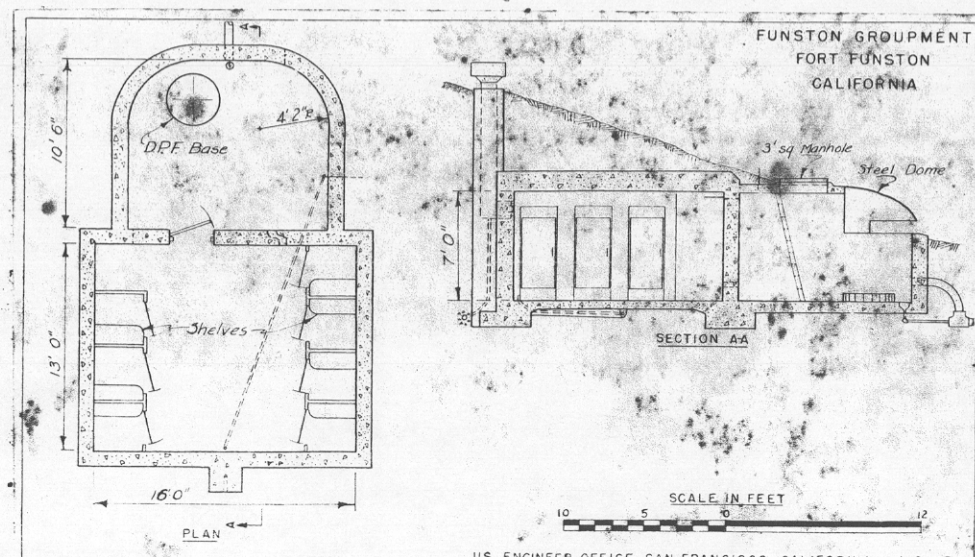
REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire Control or Torpedo Structures)

SECRET

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	:
	:	equipment	:
Date of transfer	:	For tide stations give de-	:
Cost to that date	:	scription of tide gauge	:
Type of construction	:	For datum points give Forts	:
(a) Roof	:	from which visible	:
	:	For dormitories give stations	:
(b) Remainder of bldg.	:	served	:
How concealed	:	For cable hut give S.C. type	:
	:		:
How protected	:		:
	:		:
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. 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 12/14/43

600914(22)

104031

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: x 122° 30' 08.882"
 Location (by coordinates) y 37° 42' 54.330"
 Location (by site description) 1000' So. Btry. Davis and
11. Nov. 1941 - 120 West of County Roadway.
 Date of transfer 11. Nov. 1941
 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

UTILITIES:

Electric Power.....
 Source of Battery Davis Power Plant
 Characteristics: Voltage....Ac or DC..Phase.....
 Kilowatts required...0.96 KW
 Type of lighting fixtures...U.S.E.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 MLLW
 Elev. of inst. pedestal 169.21 MLLW

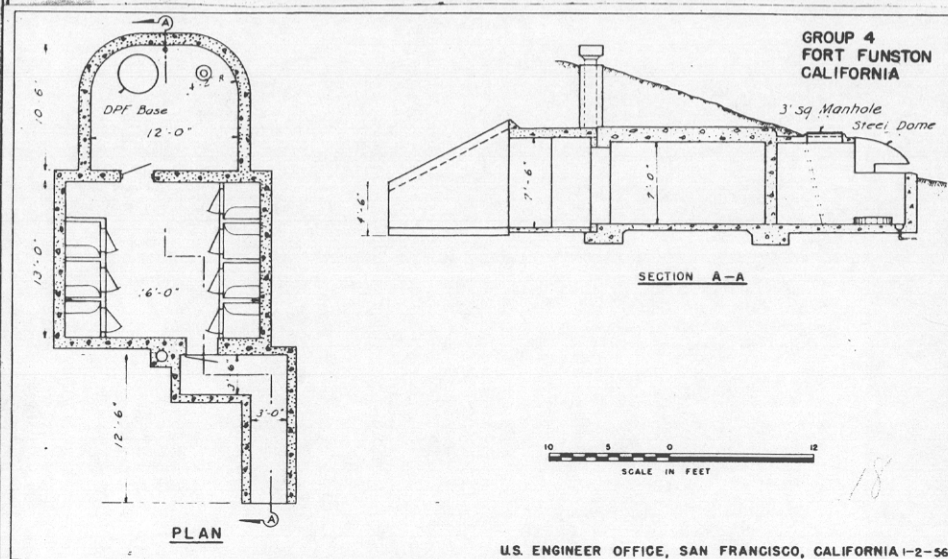
INSTRUMENTS & EQUIPMENT:
 Type of observing inst. M.P.F. MI Class 3 No. 108
 Type of plotting board None

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.



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.....0.2.....

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 FS-21, Dir. Cons. FS-1254.

Note:

Post Power supplied to this station in 1942.

OFFICE DIVISION ENGINEER
PACIFIC DIVISION

AUG 17 44-9 30 AM

SAN FRANCISCO, CALIFORNIA

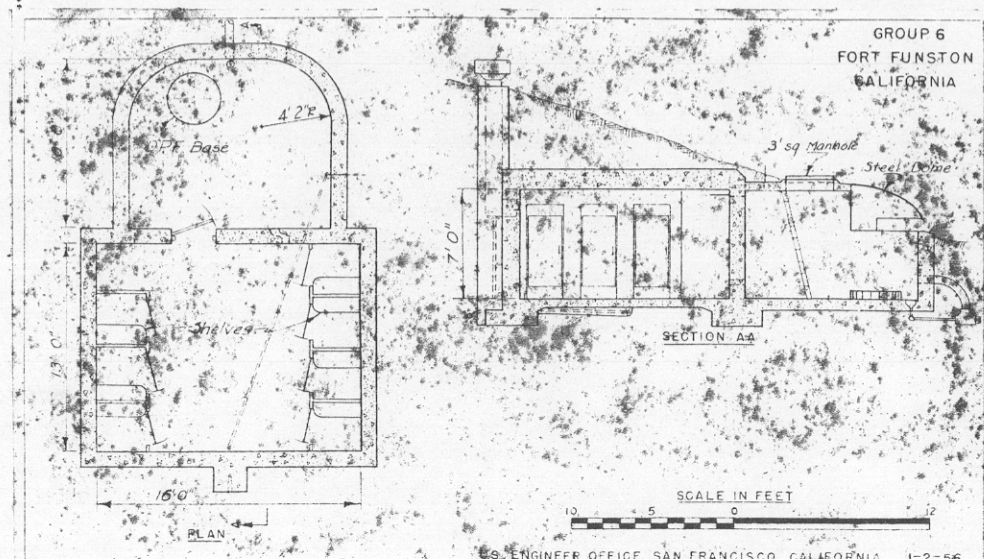
3496

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 to that date	:	:Cost of data transmission	:
Type of construction	:	: equipment	:
(a) Roof	:	:For tide stations give descrip-	:
(b) Remainder of bldg.	:	: tion of tide gauge	:
How concealed	:	:For datum points give Forts from	:
	:	: which visible	:
How protected	:	:For dormitories give stations	:
	:	: 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	:	:	:



See Form 2 corrected to 10 May 43

600,914 (San Francisco) CM 53927

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U-130

53927

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

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

Form 2

Corrected to 23 December 1942

STRUCTURE:

Location
Date of transfer
Cost to that date
Final cost inc. alterations
Type of construction
(a) Roof
(b) Remainder of bldg.
How concealed
How protected
Height above concealment
Height above protection
Conspicuous at 1000 yards
ELECTRIC CURRENT:
Source of
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

Fort Funston, Calif.
Approx. 1300' So. of gun #1
Sept. 21, 1940
\$ 3514.62
4851.35
1336.73
Reinforced concrete
Reinforced concrete
Earth backfill and vegetation
Earth backfill and vegetation
Not above concealment
Not above protection
Not conspicuous from sea
Batt. Davis Power Plant
3.50 KW
USED SF3 & ESF - one vent.fan.
Oil space heater by others
No
No
None
None
Good

REFERENCE:

Reference of site
Reference of inst. axis
Elev. of inst. pedestal
Type and capacity of crane
Max. dim. of reel handled

229.0
230.33

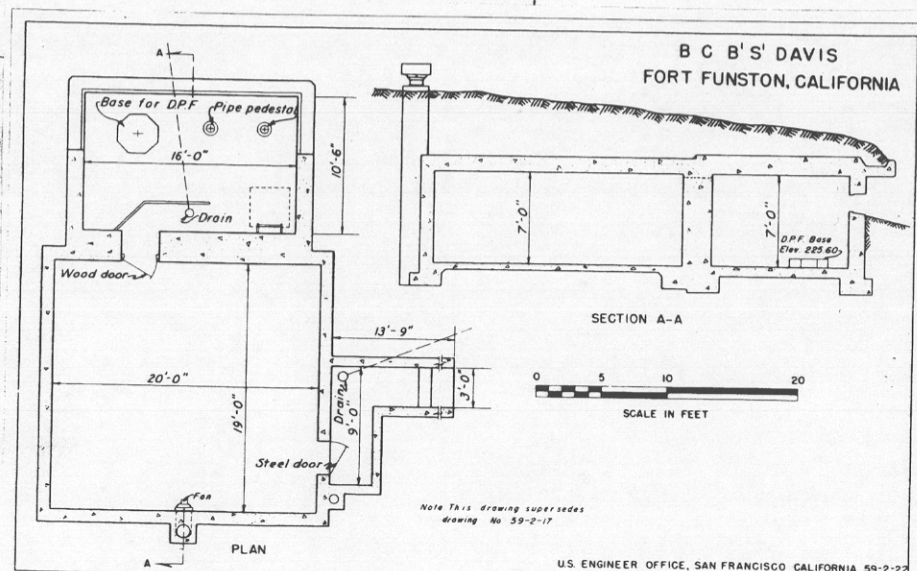
INSTRUMENTS AND EQUIPMENT:

Type of observing inst.
Type of plotting board

2 Azimuth Inst.
1910A-1 #134 & # 123.
DPF-M1 Class 3 #76

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



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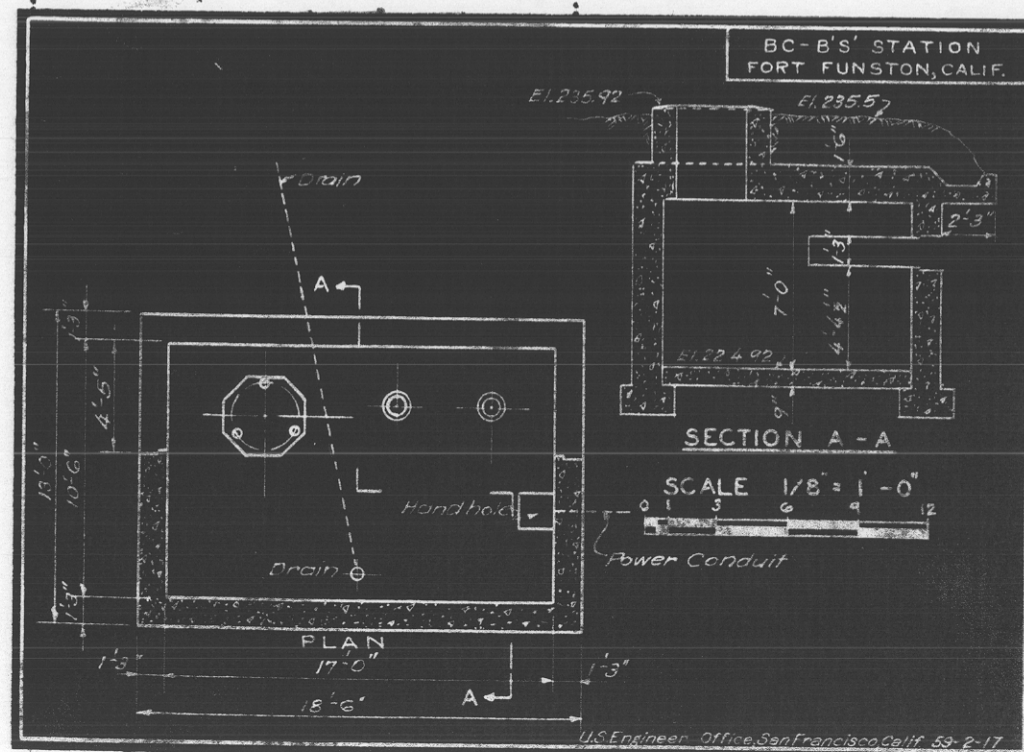
Incl 21' Plan Card 21

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:	: DPF-Mi Class 3 and two azi-
Location	: Fort Funston. Approx.	: Type of observing inst.	: muth instruments, model 1910.
Date of transfer	: 1300 ft. south of Gun No. 1	: Type of plotting board	: None installed.
Cost to that date	: September 21, 1940		
Type of construction	: \$3,514.62	: DATA TRANSMISSION:	
(a) Roof	: Reinforced Concrete	: Type of	: Telephone (Installed by
(b) Remainder of building	: Reinforced Concrete		: Signal Corps)
How concealed	: Earth cover & vegetation	: Date of transfer	
How protected	: Two to three feet of back-	: Cost of data transmission equip.	
Height above concealment	: fill over the roof	: For tide stations give descrip-	
Height above protection	: Not above concealment	: tion of tide gauge	
Conspicuous at 1,000 yards	: Not above protection	: For datum points give Forts	
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		
manent 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

SPEKM-1

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

HARBOR DEFENSES OF SAN FRANCISCO

Funston, California

FORT B4S4 Townsley

STRUCTURE

PART II

Corrected to

June 1944

STRUCTURE:

Location (by coordinates) x $122^{\circ} 30' 04.403''$ y $37^{\circ} 42' 46.436''$
 Location (by site description) Ft. Funston, Calif.
 Date of transfer November 14, 1941
 Cost to that date \$2,985.66
 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 Not above concealment
 Height above concealment Not above protection
 Height above propagation 400 Not conspicuous from sea
 Conspicuous at yards

UTILITIES:

Electric Power None
 Source of None
 Characteristics: Voltage Ac or DC Phase
 Kilowatts required None
 Type of lighting fixtures None
 Heat Not heated
 How 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

INSTRUMENTS & EQUIPMENT:

Type of observing inst. DPF M1. Class 3, No. 109; also pier mount for Model 1910
 Type of plotting board Azimuth instrument

DATA TRANSMISSION:

Type Telephones (installed by Signal Corps)
 Date of transfer

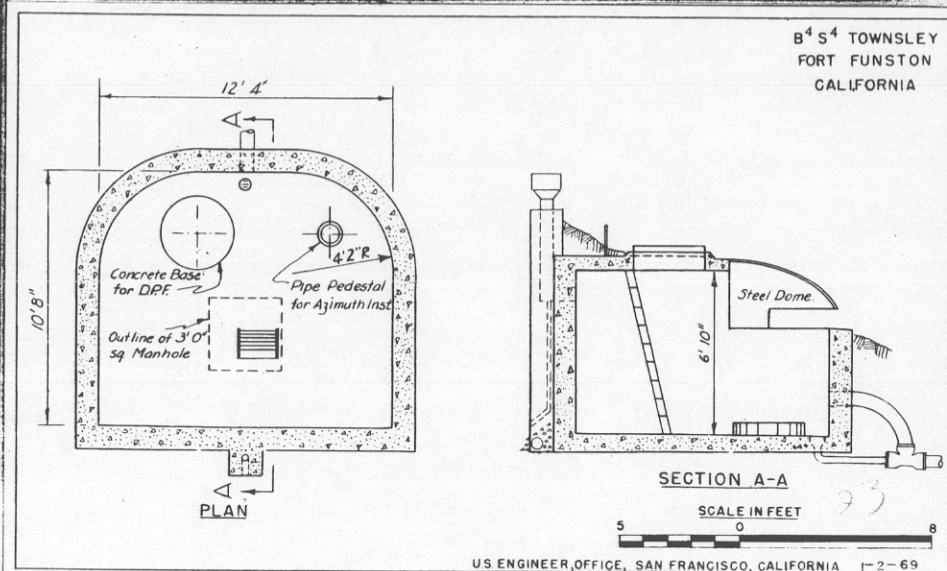
TIDE STATION:

Give description of tide gauge

Permanent or temporary installation Permanent

Present Condition New

*See reverse side for work accomplished in 1944



SECRET

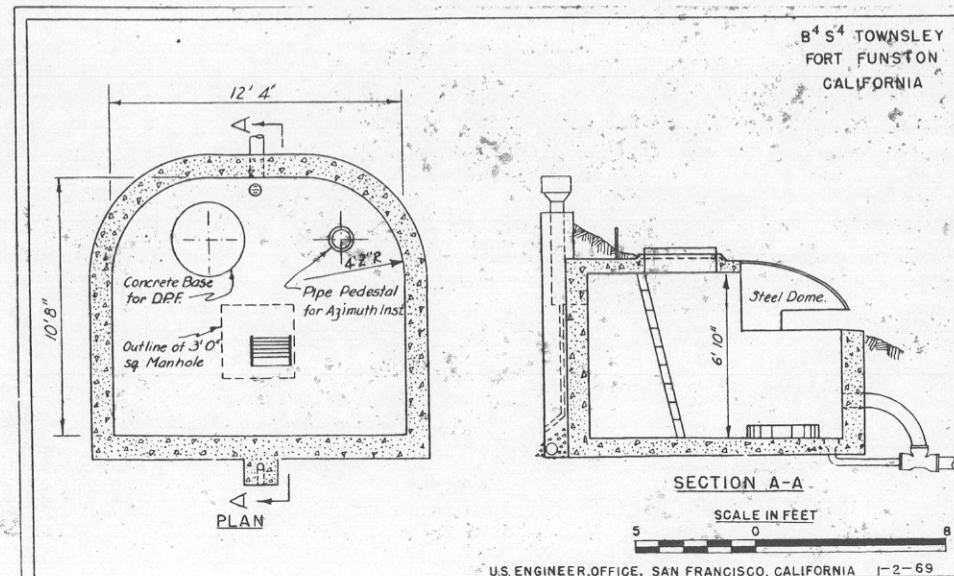
ED Form A-162B
16 Sept. 1943

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	:	Location	:
Date of transfer	:	Type of transmission equipment	:
Cost to that date	:	Date of transfer	:
Type of construction	:	Cost of data transmission	:
(a) Roof	:	equipment	:
(b) Remainder of bldg.	:	For tide stations give de-	:
How concealed	:	scription of tide gauge	:
How protected	:	For datum points give Forts	:
Height above concealment	:	from which visible	:
Height above protection	:	For dormitories give stations	:
Conspicuous at 400 yds.	:	served	:
ELECTRIC ENERGY	:	For cable hut give S.C. type	:
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	:		:
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	:		:



AC comm. power to be supplied 4751 (San Fran) CMA 1319 1/14/42

600.914(27) 104031

SECRET

SPECM-1

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

HARBOR DEFENSES OF SAN FRANCISCO
FORT FUNSTON CALIFORNIA
STRUCTURE..... B³S² WALLACE at Battery

PART II Corrected to June 1944

STRUCTURE: x. 122° 30' 07.801"
Location (by coordinates) y. 37° 12' 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

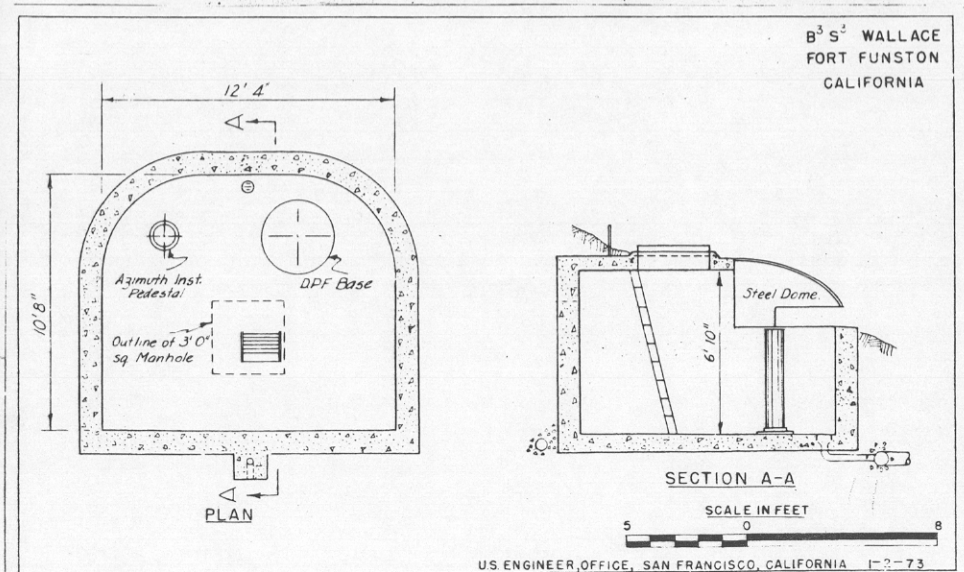
REFERENCE:
Reference of site... 207 MLLW
Reference of instrument axis... 204.17 MLLW

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



ED Form A-162B
16 Sept. 1943

SECRET

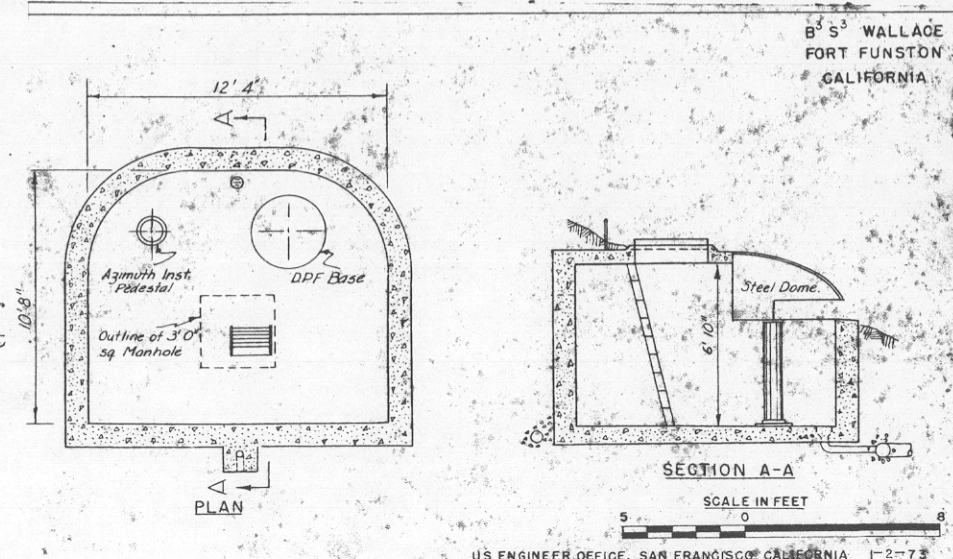
REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire Control Structure)

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		



600.944/82/104031

SECRET

SPEKM-1

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

HARBOR DEFENSES OF SAN FRANCISCO
FORT Funston, California
STRUCTURE... B5S5 244 (orig. transferred as B3S3

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. \$1,050.85*
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.

UTILITIES:

Electric Power
Source of Post Power, Ft. Funston
Characteristics: Voltage 120 Ac or DC Phase 10
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)

INSTRUMENTS & EQUIPMENT:

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

DATA TRANSMISSION:

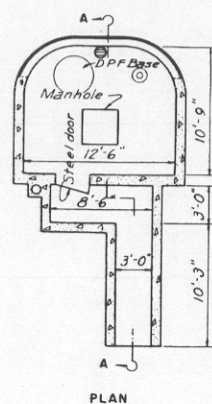
Type telephones (installed by others)
Date of transfer

TIDE STATION:

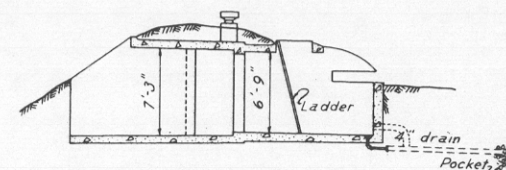
Give description of tide gauge

*See reverse side for work accomplished in 1944

B3S3 CHESTER
FORT FUNSTON, CALIFORNIA



0 5 10 15
SCALE IN FEET



SECRET

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 *Pat McIndoe*

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 BC 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 CSP-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. Grd.)
 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

ED Form A-162B
 16 Sept. 1943

FS 1003/1101 ± 1461
 Proj. Card 156

SECRET

76983

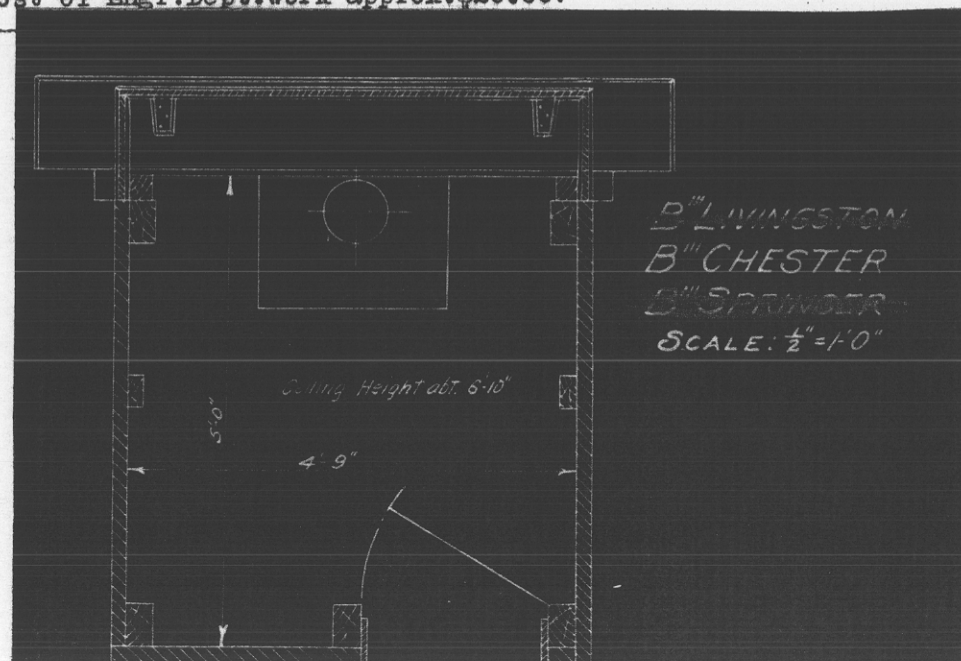
REPORT OF COMPLETED WORKS -- SEACOAST FORTIFICATIONS.
(Fire control or Torpedo Structures)

Obsolete

HARBOR
~~XXXXXX~~ DEFENSES OF SAN FRANCISCO.
FORT. FUNSTON
STRUCTURE... B" 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	
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	from sea.	For cable hut give	
Source of electric current	Not wired for lights.	S.C. Type	
Kilowatts required	None.	*Hole dug in ground and boarded up breast high by Engr. Dept.,	
Type of lighting fixtures	None.	1916. Subsequently, sides and roof added by troop labor.	
How heated	Not heated.	Cost of Engr. Dept. work approx. \$20.00.	
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		
Reference of instrument	M.L.L.W.		
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			



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

HARBOR
~~XXXXX~~ DEFENSES OF SAN FRANCISCO.

FORT. FUNSTON

STRUCTURE. ~~B* and BC, Walter Howe~~

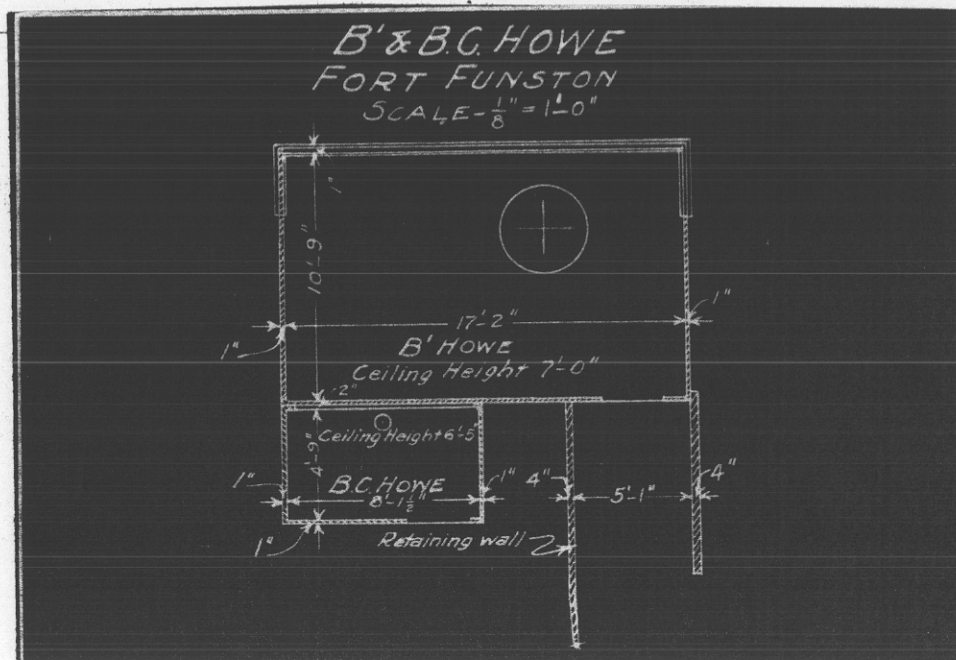
B 58 #129 at Barry*

Form 2.

Corrected to DEC 10 1927

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	
How protected	Earthen breast wall.	from which visible	
Heights above concealment	About 3 feet.	For dormitories give	
Heights above protection	About 3 feet.	stations served	
Conspicuous at 500 yards	from sea.	For cable hut give	
Source of electric current	Commercial supply at Post.	S.C. Type	
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 Instrument, Model 1910.		
Type of plotting board			
Type and capacity of crane			
Max. dimensions of reel handled			

This station has been rebuilt. Probably a light concrete structure

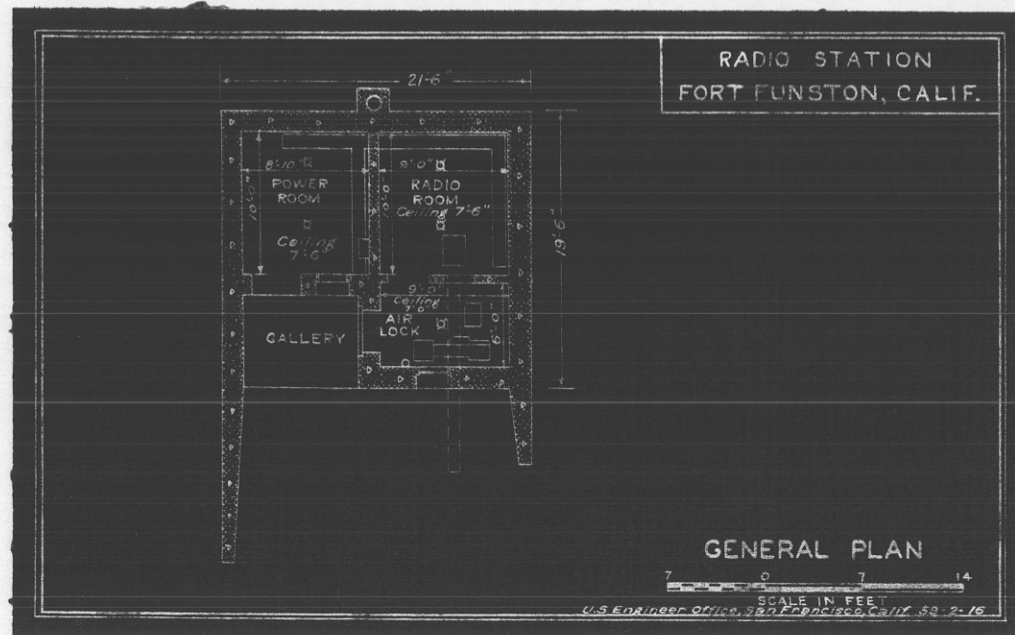


REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Radio Station)

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	:		:



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

Obsolete
HARBOR

~~XXXXX~~ DEFENSES OF SAN FRANCISCO.

FORT. FUNSTON.

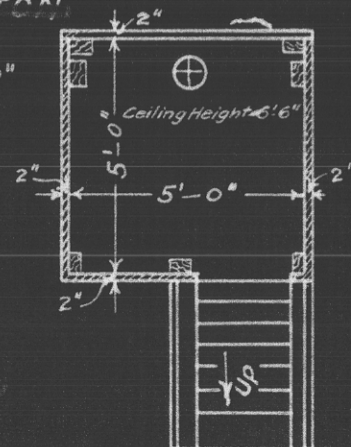
STRUCTURE. E^{III} Chester

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	
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	from sea.	For cable hut give	
Source of electric current	Not wired.	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	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			

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



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

obsolete

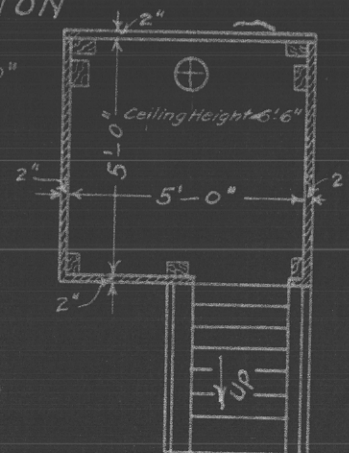
HARBOR
~~COAST~~ DEFENSES OF SAN FRANCISCO.
FORT. FUNSTON.....
STRUCTURE... E^{III} Livingston.....

Form 2. Corrected to DEC 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	) Installed by Artillery.
Type of construction	-----	equipment	)
(a) Roof	Wooden & 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	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		:
Reference of instrument	M.L.L.W.		:
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			:

E^{II} CHESTER
E^{III} SPRINGER
E^{III} LIVINGSTON
FORT FUNSTON

SCALE - $\frac{1}{4}$ " = 1'-0"



Obsolete

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

HARBOR

~~COAST~~ DEFENSES OF SAN FRANCISCO.

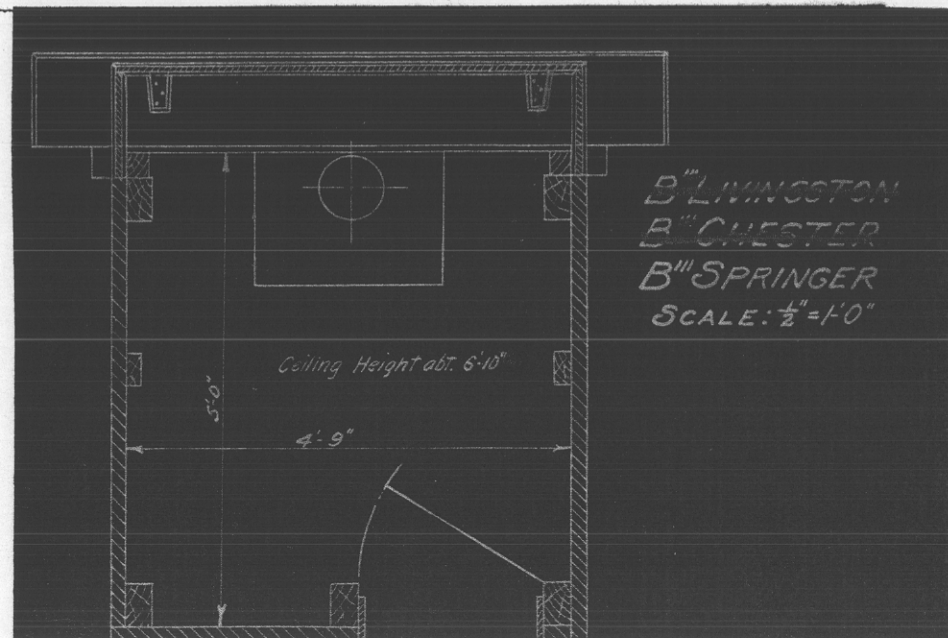
FORT.. FUNSTON.....

STRUCTURE.. B" 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	
		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	at sea.	*Hole dug in ground and boarded up breast high by Engr.	
Source of electric current	Not wired for lights.	Dept., 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	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:			



Obsolete

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

HARBOR

~~XXXXXX~~ DEFENSES OF SAN FRANCISCO.

FORT. FUNSTON.

STRUCTURE... Eth Springer.

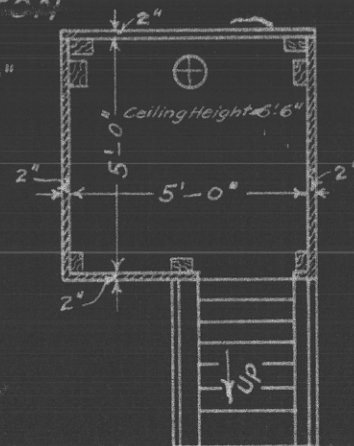
Form 2.

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	) Installed by Artillery.
Type of construction	-----	equipment	)
(a) Roof	Wooden & roofing felt.	For tide stations give descrip-	
(b) Remainder of bldg.	Wooden.	tion of tide gauge	
How concealed	Earth parapet & 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 ft.	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	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	-----		

Eth CHESTER
Eth SPRINGER
Eth LIVINGSTON
FORT FUNSTON

SCALE - $\frac{1}{4}$ " = 1'-0"



Obsolete

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

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

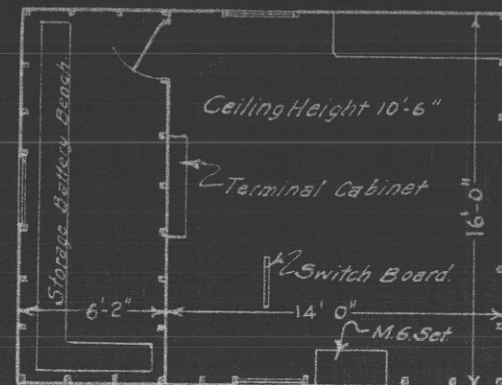
Form 2.

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	
Type of construction		equipment	
(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 azimuths; inconspicuous throughout the latter.		
Heights above protection			
Conspicuous at	yards.		
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			

F.C. SWITCH BOARD ROOM
FORT FUNSTON

Scale - $\frac{1}{8}$ " = 1'-0"



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 1 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	
How protected	Sand Bags and earthen parapet.	from which visible	
Heights above concealment	2.5'	For dormitories give	
Heights above protection	2.5'	stations served	
Conspicuous at	500 yards. from sea.	For cable hut give	
Source of electric current	None.	S.C. Type	
Kilowatts required	--	* Equipment temporary installed when station is needed	
Type of lighting fixtures	None.	for use during seasons of target practice. At all	
How heated	Not heated.	other times, all equipment removed.	
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			

