

470.3 (San Francisco) CM 36911

U-130

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS

(Fire Control or Trench Structure)

Searchlight Shelter

Form 2

Corrected to September 1943

HARBOR DEFENSES OF... **SAN FRANCISCO**

FORT... **BAKER**

STRUCTURE... **SHELTER FOR PORTABLE SEARCHLIGHTS**

STRUCTURE:

Location

Near entrance to Mine Wharf,
Fort Baker, California.

Date of transfer

May 6, 1943.

Cost to that date

\$15,250.00

Type of construction

Corrugated iron on steel trusses

(a) Roof

Corrugated iron, metal covered
wood doors and concrete floor.

(b) Remainder of bldg.

Camouflage painting

How concealed

Not protected

How protected

Height above concealment

17 ft.

Height above protection

Conspicuous at.....yards

ELECTRIC CURRENT:

Source of

Commercial, A.C.

Kilowatts required

3.4 K.W. - 13 Type C.S. Benjamin

Type of lighting fixtures

8 V.F. Crouse Hinds.

HEAT:

How heated

Not heated.

WATER & SEWER:

Connected to water mains

No

Connected to sewer

No

Type of latrine

None

Permanent or temp. inst'n.

Permanent

Present condition

New

REFERENCE:

Reference of site

Reference of inst. axis

Elev. of inst. pedestal

Type and capacity of crane

Max. dim. of reel handled

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 descrip-

tion of tide gauge

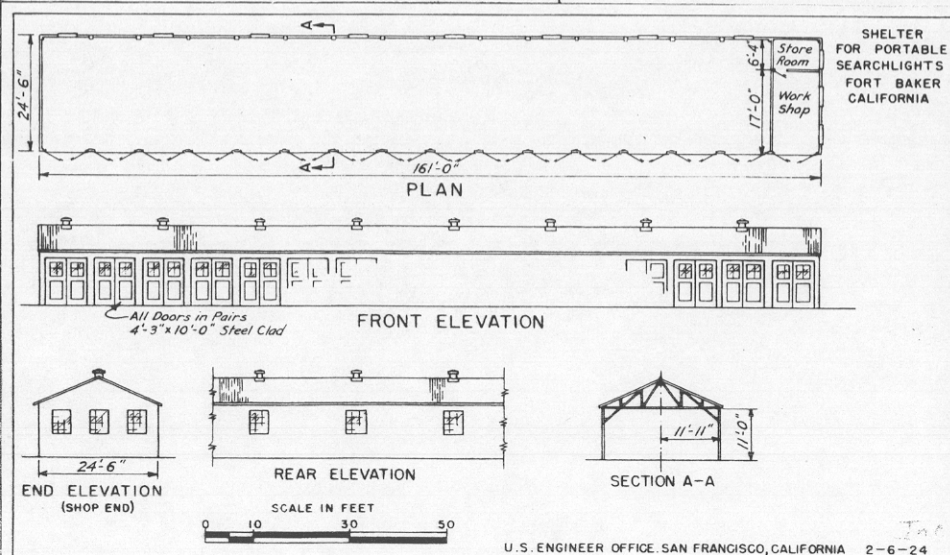
For datum points give Forts

from which visible

For dormitories give sta. served

For cable hut give S.C. type

Remarks: Electrical installation includes 1-G.E. meter
No. 21-099-711.



REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(SEARCHLIGHTS)

COAST DEFENSES OF SAN FRANCISCO, CALIFORNIA.

FORT BAKER, CAL.

SEARCHLIGHT NO. 12 *No 7* ①

Form 4.

Corrected to OCT.1,1921

Size 60-inch Portable or fixed FIXED.

PROJECTOR

Location.....: At Fog Station, Lime Point.
Manufacturer.....: General Electric Co.
Type of projector.....: E.C.
Form of projector.....: N 2.
Serial No. of projector....: 7992.
Type of lamp.....: Sperry H-I.
Model of lamp.....: M.K.V. 4. *2 9964*
Serial No. of lamp.....: 143.
Electric or hand control.: Electrically controlled.
Material of mirror.....: Glass.
Date received in district: July 11, 1910.
From whom received.....: D.E., New London, Conn.
Age of mirror.....: 10 years.
* Condition of mirror.....: Very poor. (should be re-silvered).
Date last repaired.....:
Switchboard, serial No. : G.E.Co. 77620.

INSTALLATION

General character.....: Exposed shelter in operating position of light.
Date transferred to troops.....: April 25, 1911.
Cost to that date.....: \$6925.02.
Shelter.....: Materials of construction.: Concrete.
Interior dimensions.....: 10' x 17' x 12'2" high.
Height and type of tower....: No tower.
Means by which projector is placed in operating position.....: Shutters in front of shelter opened.
Reference axis of projector : in operating position.....: 24.5' M.L.L.W.
Kind of protection in operating position.....: No protection.
Concealment of day shelter : from approach channel.....: No concealment.
Dates & cost of extensive remodeling or reconstruction.....: No remodeling.

CABLES #

Power plant to searchlight
Type.....: 750' 1.c., arm., 20' 1.c. unarm.
Length and size.....: 770' two 4/0, 1-cond.
In conduits or in air.....: In trench protected by plank.
Controller to light.....: L.C., arm. cable.
Type.....: 1400' 9-cond.
Length and size.....: In trench protected by plank.
In conduit or in air.....: Aux. controller to light.: 420' 9-cond. arm. cable.
Length and size.....: In trench protected by plank.
In conduit or in air.....:

POWER PLANT

Location.....: At Lime Point, about 600' from Fog Station.
Maximum demand KW.....: 18.12-k.w.
Type and size.....: 25-k.w. stand. gas. motor set.

CONTROLLERS

Location.....: C Baker and B" Spencer, Lime Point.
Type.....: G.E.Co., E.C.
Form.....: N 2.
Serial No.: 5947, C.Baker; 6111 B" Spencer.
How protected or concealed.....: By earth parapet.

If in conduit state No. of ducts and manholes.

If trenched, state whether cable has armor.

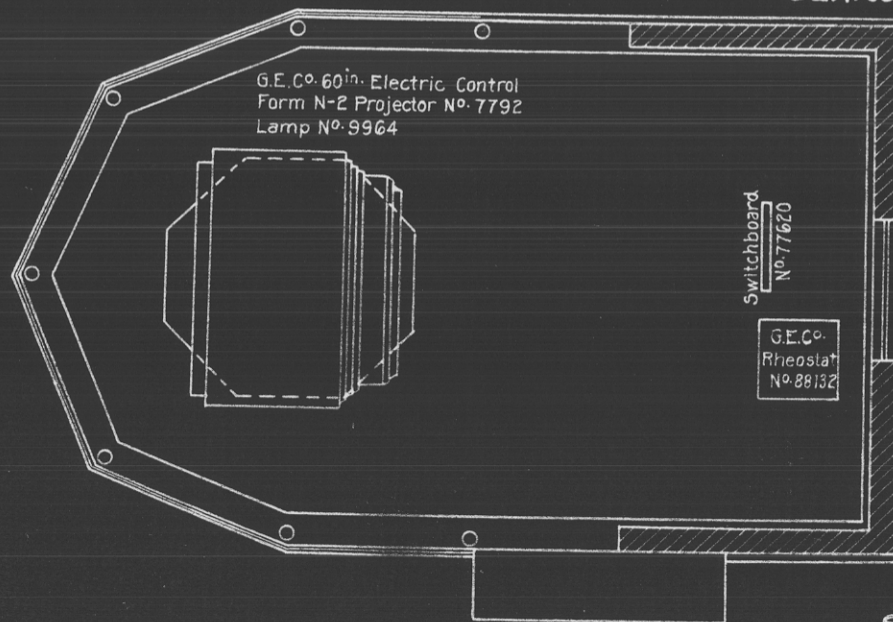
* Resilvered f.y. 1930; monthly report April 1930

* Now S/L No. 7, see Index Plat Rev. May 22, 1936

① See 675.1 (9th C.A.) 1:-

No. 7 - Present approved H.D. Project
No. 7 - Designated locally and referred in H.D. Project as "Old Numbers"
No. 12 - Designation when originally installed

*SHELTER
SEARCHLIGHT No. 12 FT. BAKER
CALIFORNIA*



NOTE:~ For details of plant see
Transfer Plan 2-6-6 E.O. 38970/189

*SHELTER
SEARCHLIGHT No. 12 FT. BAKER
CALIFORNIA*

SCALE: ~ $\frac{1}{4}$ IN. = 1 FT.



REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(SEARCHLIGHTS)

COAST DEFENSES OF SAN FRANCISCO, CALIFORNIA.

FORT BAKER

SEARCHLIGHT NO. 11 - Transferred to 3rd A.A. Battalion, Dec. 23, 1921.

Form 4.

Corrected to OCT. 1, 1921

Size 60-inch Portable or fixed PORTABLE See footnote

PROJECTOR

Location.....: Extreme end of Pt. Cavallo
Manufacturer.....: Sperry Gyroscope Co.
Type of projector.....: Open mounting.
Form of projector.....: Mark 1; Model 0
Serial No. of projector....: 26
Type of lamp.....: Mark 1
Model of lamp.....: 1
Serial No. of lamp.....: High intensity 104; medium intensity 1231544.
Electric or hand control.: Hand control
Material of mirror.....: Glass, mounted on iron back.
Date received in district: Aug. 12, 1920.
From whom received.....: Army Reserve Depot, Schenectady, N. Y.
Age of mirror.....: Unknown
Condition of mirror.....: Good
Date last repaired.....:
Switchboard, serial No. : 55312 - Type C.D.G.

INSTALLATION

General character.....: Standard, Cadillac, portable set; unprotected, day shelter.
Date transferred to
troops.....: Shelter-Aug. 10, 1920 (temporary)
Cost to that date.....: Shelter \$1115.32
Shelter.....:
Materials of construction.: Concrete floor; wooden frame; corrugated iron sides & roof.
Interior dimensions.....: 14' x 24'
Height and type of tower....: No tower.
Means by which projector
is placed in operating position.....: Removed from Cadillac truck by runway and transported to operating position on its own running gear.
Reference axis of projector
in operating position.....: Approximately 30.
Kind of protection in
operating position.....: No protection.
Concealment of day shelter
from approach channel.....: No concealment.
Dates & cost of extensive
remodeling or reconstruction.....:

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 concealed.....:

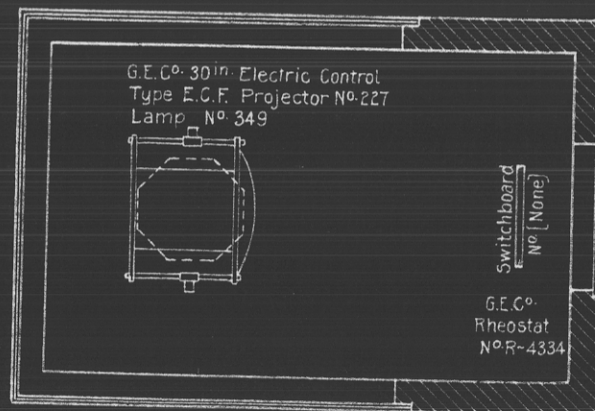
CABLES #

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.....:

Note: Ft. Baker, S/L No. 11, Position vacant; 60" Cadillac unit formerly in place, transferred to 3rd A.A. Battalion, Dec. 23, 1921. See letter from Dist. Engr. Jan. 14, 1922, file 660 B-(S.F.) F4.

Rec'd with letter dated - Sept 22, 1921 660 B (H.F.) F 2.

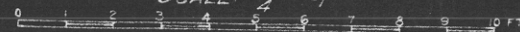
SHELTER
SEARCHLIGHT No. 11 Ft. Baker
CALIFORNIA



NOTE:- For details of plant see
Transfer Plan 2-6-8 E.D. 38970/381

SHELTER
SEARCHLIGHT No. 11 Ft. Baker
CALIFORNIA

SCALE - $\frac{1}{2}$ IN. = 1 FT.



REPORT OF COMPLETED WORKS * SEACOAST FORTIFICATIONS
(Electric Plants)

COAST DEFENSES OF SAN FRANCISCO, CAL.

FORT BAKER

POWER FOR 60" SEARCHLIGHT #12 & P.C. STATION. ①

Form 5.

Corrected to OCT. 1, 1921.

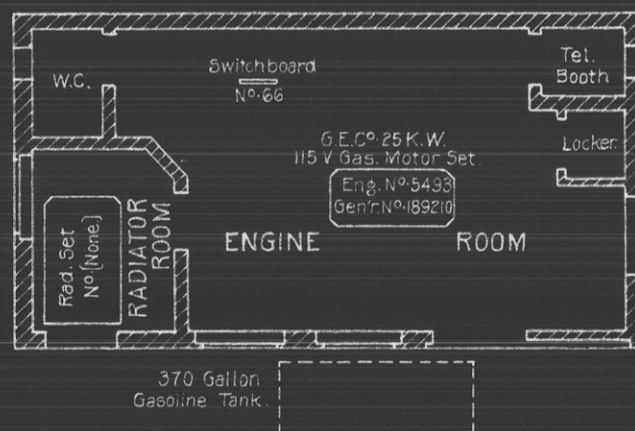
→ No. 7

	Serial No.	Type	Size	Mfr.	Date of transfer	Cost	Con- dition	RPM	Belt or Direct Drive	Radiator: for Engine No.	Fuel	Switchboard	
												Material	No. of Panels
Boiler No.1												Gen.	Feed
No.2													
No.3													
Engine No.1	5493	GM 12	43/54 H.P.	B.E.Co.	4/25/11	----- \$3,500.80 -----	Good	560	Direct		gasln.	Sec. 475.1 (9th C.A.) I	
No.2												Volts 115 DC	Wires 2
No.3													Used for P.M. Power No
Generator	189210	MPC 6	25-k.w.	do.	do.		do.	do.	do.				
No.1													
No.2													
No.3													
Radiator													
No.1	None			Long-Turney.	do.		do.	1050	do.	1			
No.2													
No.3													
Motor-generator													
No.1													
No.2													
No.3													
Switchboard	66	B	20"x 82"	Walker-Elect.Co.	4/25/11		do.					Marble	1
Storage Battery													
Transformer													
No.1													
No.2													
No.3													
Auxiliaries													
No.1													
No.2													
No.3													

DISTRIBUTION OF K.W. Projector and Controller 18-k.w. B" Spencer .24-k.w. Shelter .12-k.w. Power plant .48 kw.
TOTAL 18.84 K.W.

① See 475.1 (9th C.A.) I :-
No. 7 - Present approved H.D. Project
No. 7 - Designated locally and referred in H.D. Project as "Old Numbers".
No. 12 - Designated when originally installed

*POWER PLANT
SEARCHLIGHT N°12 FT. BAKER
CALIFORNIA*



NOTE:~ For details of plant see
Transfer Plan 2-6-6 E.D.38970/319

*POWER PLANT
SEARCHLIGHT N°12 FT. BAKER
CALIFORNIA*

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

10 9 8 7 6 5 4 3 2 1 0 10 FT.

U.S. ENG. OFFICE 2ND DIST. SAN FRANCISCO, CAL.

2-6-9