

600,914 (San Fran) 102984

SECRET

SPEKM-1

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Transmitter Building and Power House)

HARBOR DEFENSES OF SAN FRANCISCO
FORT ... CRONKHITE, CALIFORNIA
STRUCTURE... SCR-682 ... Wolf Ridge

PART II Corrected to June 1944

102984

STRUCTURE: Tower x 122° 32' 17.911"
Location (by coordinates) y. 37° 50' 34.762"
Location (by site description) Wolf Ridge, Ft. Cronkrite
Date of transfer... 25 July 1944
Cost to that date. \$8,962.94 (incl. comm. power supply).
Type (for observing stat.--tower, dug-in, cottages, etc.)... Tower
Type of construction...
(a) Roof Transmitter Hse. wood; Power Hse. galv. iron
(b) Remainder of bldg Transm't. Hse. wood; Power Hse. galv. iron
How concealed ~~One down painting / con. floor & galv. iron~~ walls
How protected . Not protected.
Height above concealment 25' (Tower)
Height above protection . 25' (Tower)
Conspicuous at 6,000 ... yards conspicuous from sea and air

UTILITIES:
Electric Power Yes
Source of Power = Commercial and Standby*
Characteristics: Voltage 120 Ac ~~xxxx~~ Phase... 1
Kilowatts required. 5 KW maximum
Type of lighting fixtures. installed by others
Heat
How heated Heater to be furnished by others
Water Sewer
Connected to water mains..... no
Connected to sewer..... no
Type latrine none

REFERENCE:
Reference of site... 880.0 (M.I.W.) Transmitter House
Reference of instrument axis.....

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

DATA TRANSMISSION:
Type Installed by others
Date of transfer

TIDE STATION:
Give description of tide gauge

*2-5 KW Standby generators furnished by Signal Corps and mounted on bases in power house by U.S.E.D.
1-Transformer, Subway type, 1ø 2400/240 120 V 1ø and 1- primary oil fused outout installed in new manhole.
Dir. Ref. ltrs.-O.C.E. ltr. dtd. 12/8/42, file C. of E. 665 (S.F.) SPEOF. O.C.E. ltr. dtd. 5/19/44, file 675(S.F.) SPEMT. O.C.E. ltr. dtd. 4/2/43, file C. of E. 675(S.F.) Ref. CM 32733 SPEOF.

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

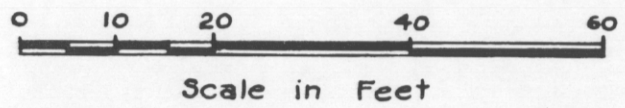
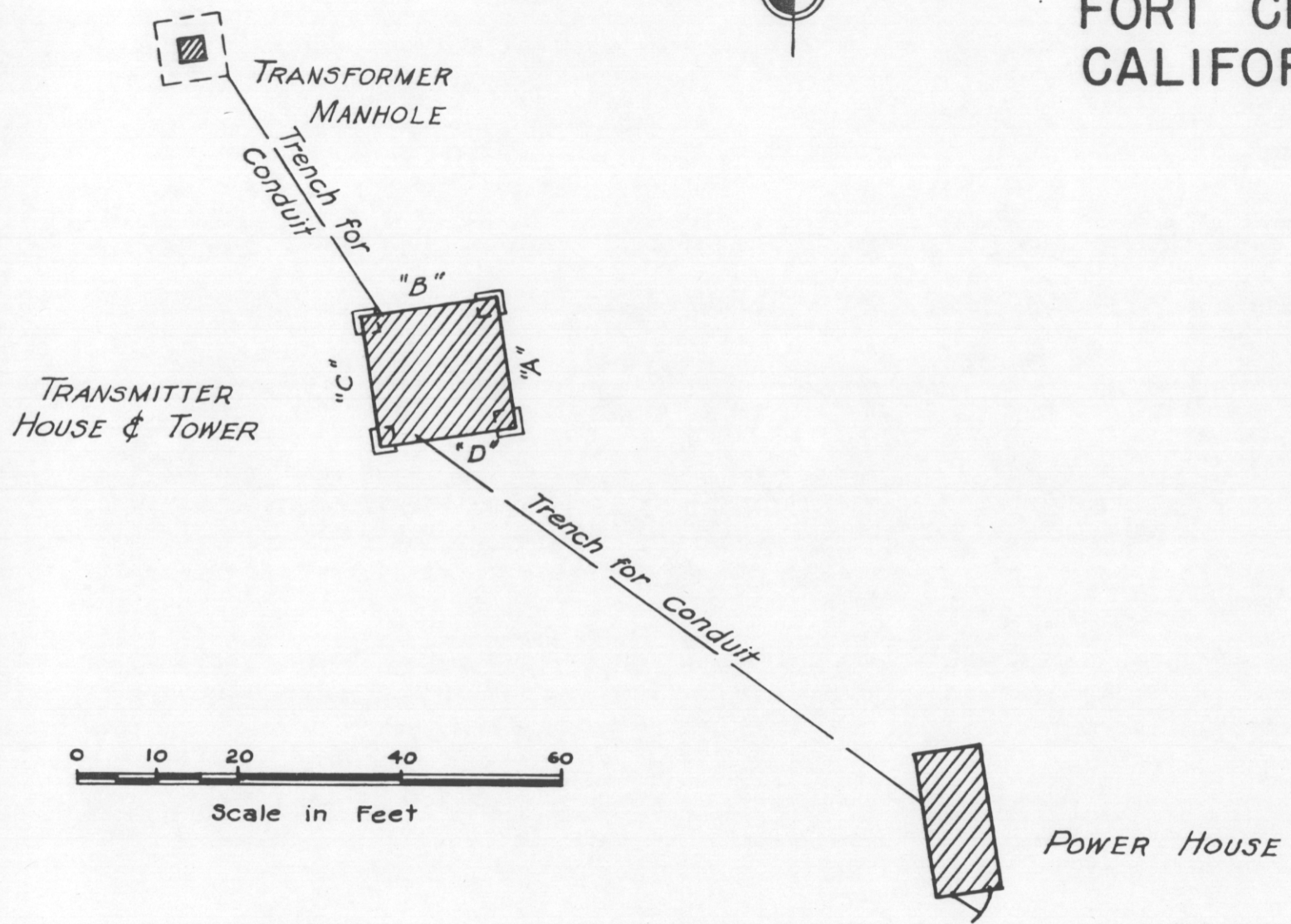
See attached print.

92-4882

F2 742,976,152
SECRET

ED Form A-162B
16 Sept. 1943

SCR - 682
FORT CRONKHITE
CALIFORNIA



600-914 (SAN FRANCISCO) CM 89097 **SECRET**

SPEKM-1

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS

HARBOR DEFENSES OF SAN FRANCISCO
 FORT Cronkhite *Wolf Ridge*
 STRUCTURE Surface Craft Radar 296 *FLY GUTHRIE (7-111)*

PART II Corrected to February 1944

STRUCTURE: x...122° 32' 47.459".....
 Location (by coordinates) y...37° 50' 26.610".....
 Location (by site description) *On westerly slope of Wolf Ridge*
 Date of transfer *23 March 1944*
 Cost to that date. \$5,508.10
 Type (for observing stat.--tower, dug-in, cottages, etc.)...Tower
 Type of construction.....
 (a) Roof *Antenna House copper; balance corr. iron*
 (b) Remainder of bldg. *Concrete & steel*
 How concealed *Camouflaged painting & planting only*
 How protected *Not protected*
 Height above concealment *25'*
 Height above protection *25'*
 Conspicuous at *1000* yards.....

UTILITIES:
 Electric Power *Yes*
 Source of *Standby sets in buildings HO-1-A**
 Characteristics: Voltage *120* Ac ~~or Dc~~ Phase *Single*
 Kilowatts required *15 KW*
 Type of lighting fixtures *CFS-1*
 Heat
 How heated *Not heated*
 Water Sewer
 Connected to water mains *No*
 Connected to sewer *No*
 Type latrine *None*

REFERENCE:
 Reference of site....*538.0* MLLW*
 Reference of instrument axis.....
 Elev. top of piers for antenna house = *539.0 MLLW*

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

DATA TRANSMISSION: *Installed by others*
 Type,
 Date of transfer

TIDE STATION:
 Give description of tide gauge

* 2 - 25 KVA - Power units installed in separate power buildings.

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

See attached print.

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-1113 *Proj. G. 157*

S.C.R. - 296
 FORT CRONKHITE
 CALIFORNIA

