

OFFICE OF THE CHIEF OF COAST ARTILLERY

333.1 Key West

RECORD OF COMMUNICATION RECEIVED

Dated  
6/26/39

Recd.  
7/11/39

From: Hqrs., 4th Coast Artillery District.

To: C.G., 4th Corps Area.

Subject: Tactical Inspection of Key West, Florida.

1. Under the authority contained in par. 6, SO # 123, Hqrs., 4th Corps Area, 6/6/39, the undersigned made the annual tactical inspection of the HD Key West during the period 6/19-21, 1939. This report is submitted in compliance with par. 9, AR 265-10.

2. Unit inspected: Bty "E", 13th Coast Artillery. This battery is a caretaking establishment whose primary artillery mission is the maintenance of the armament and equipment of the HD Key West.

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5. Considering the reduced strength of this organization and the amount of maintenance work it must perform, this battery is in an excellent state of artillery training. In compliance with par. 9, AR 265-10, the following definite statement is made with reference to the preparedness of this unit for active field service at existing strength.:

BATTERY E, 13th Coast Artillery: Satisfactory.

THRU CHANNELS.

333.12/12-D.

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THRU CHANNELS.

333.12/12-D.

353.17

## OFFICE OF THE CHIEF OF COAST ARTILLERY

## RECORD OF COMMUNICATION RECEIVED

EEF/dn

Dated

Recd.

From: HQ. H.D. OF KEY WEST  
(Col.L.L.Pendleton, 13th C.A.)

4-21-41

5-15-41

To: C.G., Fourth C.A.D.

**SECRET**

Subject: Change in Primary Assignment of Battery "E", 13th C.A.

1. Battery "E", 13th Coast Artillery is now assigned to the four 155mm guns which are emplaced as a seacoast battery at Fort Taylor. In view of the increasing seriousness of the general situation, it is believed that this battery should be trained on a seacoast battery which is prepared in every way for combat, including service ammunition, filled and fused. Batteries SEMINOLE and OSCEOLA fill this requirement but the 155mm gun battery does not.

2. Ammunition requirements for the 155mm gun battery were requisitioned on 466-38-F.Y. 1940 submitted by this office on June 15, 1940. See also paragraph 2, letter (SECRET) O. O. IV CA, September 9, 1940. The present situation is unchanged and is as follows:-

On Hand

916 ea. Projectiles, 155mm (condemned and to be replaced).

916 ea. Fuses.

0 ea. Propelling Charges (30 on hand supplied for target practice.)

3. In view of the conditions cited, it is recommended that action be taken without delay as set forth in "a" or "b" below:-

- a. Supply full battle allowance of ammunition to 155mm gun battery.
- b. Change primary assignment of Battery "E", 13th Coast Artillery to SEMINOLE, 12" Mortars.

1 Incl. - Copy of 7th Ind., 471.308/T-35.

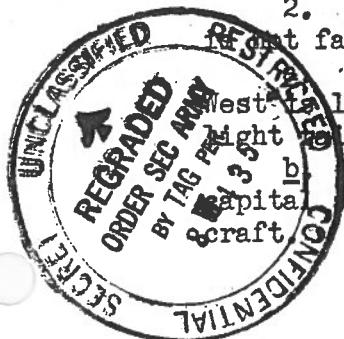
1st Ind., 4-25-41, Hq. 4th C.A.D. To: C.G., 3rd Army.

1. It is recommended that the action recommended in paragraph 3 a, basic letter, be taken without delay.

2. The transfer of Battery "E", 13th Coast Artillery to 12" Mortars is favorably considered since -

The probability is that at least initially any attack on Key West is likely to be made by destroyers, light cruisers or other such landing vessels.

The range of 12" Mortars is not sufficient to engage effectively ships and they are not suitable to combat fast moving light war



353.173/12-G

**SECRET**



SECRET

AG 320.2 (C.A.C.)L-K-D (4-21-41)

2nd Ind., 5-1-41, Hq. 3rd Army. To: C.G., 4th Corps Area.

1. The 1st Indorsement is concurred in.
2. It is desired that you take appropriate action to supply the ammunition requested, and advise this office when the delivery may be expected.

3rd Ind., 5-12-41, Hq. 4th Corps Area. To: T.A.G.

471.308/T-25  
1. With reference to paragraph 3 a, basic letter, it is recommended that the action contemplated in paragraph 3, 7th Indorsement, AG 471 (3-21-40) M, O. O. 471.3/4, dated August 30, 1940, copy attached, be taken at once, and that the following ammunition be issued to the Harbor Defenses of Key West at the earliest practicable date:

960 ea. Shell, H. E., Mk IIIA1 (loaded and unfuzed) for 155mm gun, M1918M1.

960 ea. Charges, propelling, 155mm Gun, M1918M1, NH, all of a single lot.

960 ea. Fuzes, PD, M51, for 155mm Gun Projectile, Mk IIIA1.

2. Request radio information as to action taken in this matter and as to when delivery of ammunition may be expected.

SECRET

# SECRET

OO 471.3/17  
Attn. F.S., Am. Sup. Div.  
AG 471 (4-21-41)MC  
353.173/12-G

6th Ind.

ABH/am

War Department, Ordnance Office, Washington, D.C., May 23, 1941.  
To: The Adjutant General, Washington, D.C.

1. There is available for immediate shipment to Harbor Defenses of Key West 960 Shell, H.E., Mk. IIIA1, for 155-mm Gun, together with necessary Charges, and M51 Fuzes. If this shipment is authorized, shipping instructions will be furnished by teletype.

2. The shipment of 960 Shell, Mk. IIIA1, is recommended in order that the entire stocks at Key West Barracks will be of one mark number. The 44 Shell, Mk. III, now on hand should be shipped to Charleston Ordnance Depot.

For the Chief of Ordnance:

signed: P. M. Seleen,  
Major, Ord. Dept.,  
Executive Assistant.

1 Incl n/c

353.173/12-G

# SECRET

# SECRET

## IMMEDIATE ACTION

SUBJECT: Change in Primary Assignment of Battery "B", 13th C.A.  
(Shipment of 155-mm Ammunition to Complete Battle Allowances, HD of Key West).

AG 471 (4-21-41)MC-D

7th Ind,

BLW/jmh - 1712

War Department, A.G.O., June 6, 1941. To: Commanding General,  
Fourth Corps Area.

1. The Chief of Ordnance has been directed to take necessary action to effect immediate shipment of 960 complete rounds of Shell, H.E., for 155-mm gun, to the Harbor Defenses of Key West, as recommended by you in Paragraph 1, 3rd Indorsement. He has been directed to advise you of the exact date shipment may be expected.

2. It is desired that you take the necessary action to ship to the Charleston Ordnance Depot 44 Shell, H.E., 155-mm, Mk. III, now on hand in the Harbor Defenses of Key West, upon receipt of H.E. Shell being shipped, as indicated in Paragraph 1 above.

3. The Commanding General, Third Army, has been furnished a copy of this indorsement and of secret radiogram of June 6, classification as above, advising you of the above shipment.

By order of the Secretary of War:

1 Incl. n/c

D. R. Van Slocker  
Adjutant General.

COPIES TO: Chief of Coast Artillery, ref. his 5th Ind.,  
353.173/12-G, May 17, 1941, w/cy 6th Ind.  
Chief of Ordnance, ref. his 6th Ind., OO 471.3/17,  
Attn. F.S., Am.Sup.Div., May 23, 1941; as Incl.  
to ltr., AGO, June 6, 1941.  
Commanding General, Third Army, ref. his 2nd Ind.,  
AG 320.2 (C.A.C.)L-K-D, May 1, 1941, w/cys 3rd,  
4th, 5th and 6th Indorsements.

- 6 -

353.173/12-G

# SECRET

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SECRET

SECRET

AG 471 (4-21-41)MC-D

BLW/jmh - 1712

Auth: T.A.G.

Initials: DRV

Date: JUN 6 1941

IMMEDIATE ACTION

June 6, 1941.

SUBJECT: Change in Primary Assignment of Battery "E", 13th C.A.  
(Shipment of 155-mm Ammunition to Complete Battle Allowances, HD of Key West).

TO: Chief of Ordnance.

12-6  
1. It is desired that you take the necessary action to effect shipment of 155-mm H.E. Shell to the Harbor Defenses of Key West, as directed in Paragraph 1, inclosed copy of 7th Indorsement, this office, June 6, 1941, subject and classification as above.

2. It is further desired that you advise the Commanding General, Fourth Corps Area, as to the exact date shipment may be expected.

3. Reference is made to instructions contained in Paragraph 3e, 2d Indorsement, this office, February 1, 1941, AG 381.4 (9-13-40)M-D, subject: "Status Report on Defense Reserves for Overseas Departments, Ordnance", which require that you submit specific recommendations to this office as to distribution of those types of ammunition in which the Navy has an interest. In view of the fact that Navy requirements for 155-mm ammunition are small, and have been met in full, the above-cited instructions are suspended with respect to 155-mm ammunition only. In future, it is desired that you make automatic shipment of ammunition of this type under the distribution policy announced in above-cited indorsement without reference to this office.

By order of the Secretary of War:

D. E. Van Sickle

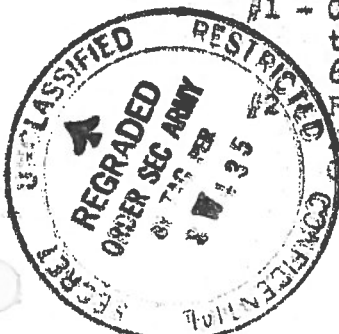
Adjutant General.

2 Inclosures:

#1 - Cy. 7th Ind., AGO,  
to C.G., Fourth C.A.,  
6-6-41.

Paraphrase of radio  
message, to C.G., Fourth  
C.A., 6-5-41.

COPIES TO: Chief of Coast Artillery,  
C.G., Third Army, w/cy  
Inc. #2.



353,173/12-G-1

SECRET

333.9  
S.O.

HEADQUARTERS HARBOR DEFENSES of KEY WEST,  
Key West Barracks, Florida. RHK/er.

December 31, 1934.

Subject: Inspection of Signal Corps Plant In Place at  
Key West Barracks, Florida, for the period ending  
December 31, 1934.

To: The Corps Area Signal Officer, 4th Corps Area, Atlanta, Ga.

Last inspection made May 7, 1932, by Mr. W.R. Taylor, Electrical  
Engineer, S.S. at large.

This inspection made December 26, 1934, by R.H. Krueger, 1st Lieut.,  
13th Coast Artillery.

- I. Switchboard, Manual and Attendant's Cabinet.
- II. Automatic Equipment.
- III. Storage Battery.
- IV. Charging Equipment and Ringine Equipment.
- V. Power Panel.
- VI. Distributing Frame.
- VII. Wire Chief's Test Equipment.
- VIII. Relay Rack.
- IX. Records.
- X. Miscellaneous.
- XI. Storeroom.
- XII. Conduit System.
- XIII. Cable System.
- XIV. Poles, Crossarms, etc.
- XV. Terminals.
- XVI. Wires.
- XVII. Target Range Communication System.
- XVIII. Telephone Station Equipment.
- XIX. Telegraph Station.
- XX. Fire Control System.
- XXI. General Information and Recommendations not included in  
above.

I. SWITCHBOARD, MANUAL AND ATTENDANT'S CABINET.

1. Switchboard. ( Local Battery)

- a. All circuits and equipment tested and found to be  
in fair condition.
- b. The board is a Western Electric, type 1220-D, date of  
installation unknown. It has been used apparently

OCSigO... 333.9  
333.1 Key West  
333.14/12 W  
1934

b. Continued.

for a long time. The jacks for the plugs are worn and continually giving trouble.

c. The location of the board is satisfactory. It is located in the post headquarters building and is operated during the office hours by the office personnel. After office hours the board becomes inactive.

d. There is a circuit extending from this board through the city of Key West to the government reservation of Ft. Taylor. After office hours this circuit is plugged through the board to a telephone in the quarters of the commanding officer.

e. A commercial trunk line is connected to the board. During office hours all calls go through the board. After office hours this line is thrown by a switch to the quarters of the C.O. and adjutant. The disadvantage of this arrangement is apparent.

f. The equipment is kept clean and neat, and is properly cared for. Recently an electric lamp has been installed in the cabinet and is used at all times for drying out purposes.

RECOMMENDATIONS:- That a common battery switchboard be issued for this station, and the present board be placed on I. & I. Report. There is a common battery switchboard at Ft. Taylor. It is recommended that a C.B. board be installed at Key West Bks., in order that com. trunk lines could be run into both places without causing mechanical adjustments.

- II. AUTOMATIC EQUIPMENT: None installed.
- III. STORAGE BATTERY: None installed.
- IV. CHARGING EQUIPMENT AND RINGING EQUIPMENT: None installed.
- V. POWER PANEL: None installed.
- VI. DISTRIBUTING FRAME: Satisfactory.
- VII. WIRE CHIEF'S TEST EQUIPMENT: None installed.
- VIII. RELAY RACK: None installed.
- IX. RECORDS: Telephone and property accounts in good order.  
Drawings are not up to date.
- X. MISCELLANEOUS: None.

- XI. STOREROOM: Satisfactory.
- XII. CONDUIT SYSTEM: None.
- XIII. CABLE SYSTEM: None used.
- XIV. POLES, CROSSARMS, ETC: Satisfactory.
- XV. TERMINALS: None.
- XVI. WIRES:

All renewed in 1933. Satisfactory.

- XVII. TARGET RANGE COMMUNICATION SYATEM: None.
- XVIII. TELEPHONE STATION EQUIPMENT: Satisfactory.
- XIV. TELEGRAPH STATION: None.
- XX. FIRE CONTROL SYSTEM: None.
- XXI. GENERAL INFORMATION AND RECOMMENDATIONS NOT INCLUDED IN ABOVE:

a. No change in system since last report.

- b. Contract with Southern Bell Tel. & Tel. Co., Key West, Fla., Order #11, dated June 30, 1934, Contract No. W-160-sc-40, (renewed) for rental of 1 mettalic circuit from edge of reservation, Key West Barracks, Fla., to government cable terminal at edge of military reservation of Ft. Taylor, Fla. 63 cents per month per quarter mile or fraction thereof.


Contract with Southern Bell Tel. & Tel Co., Key West, Fla., Order #12, dated June 30, 1934, Contract No. W-160-sc-40, one telephone circuit and service connection to a local battery telephone exchange, Key West Barracks, Fla., under provision of Par. Four A 1 (c), Contract No. W-160-sc-40, which reads:- "Four cents per message. The total message charges in any year shall not be less than at the rate of \$30.00 per annum per trunk line and pro rata for any trunk lines employed for fractional parts of the contract year".

Contract with Southern Bell Tel. & Tel. Co., Key West, Fla., Order No. 11-1, dated February 20, 1934, contract No. W-160-sc-33, for rental of one mettalic circuit from edge of government reservation, Key West Barracks, Fla., to government cable terminal at edge of military reservation of Ft. Taylor, Fla., to be used in providing local battery telephone communication to be established by the government, at 63 cents per mo. per quarter of mile or fraction thereof, measured in circuit milage.

- d. The last named contract above was discontinued by Order No. 11-2, dated June 11, 1934, from S.O. 4th C.A., Ft. McPherson, Ga.

k. The system is maintained by one Technical Sergeant,  
C.A.C. (Electrical).

1 Incl. Report in dupl.  
on W.D., S.C. FORM 72.

  
R.H. KRUEGER,  
1st Lieut., 13th C.A.  
Inspecting Officer.



319 HD KW (12-31-34)

1st Ind.

IB-rf

Hq. Fourth Corps Area, Post Office Building, Atlanta, Ga., January 11, 1935.  
THRU: Commanding General, Fourth Coast Artillery District, Fort McPherson, Ga.  
TO: Commanding Officer, Harbor Defenses of Key West, Key West Barracks, Fla.

1. For action required under par. 10, AR 105-20, March 15, 1933.

2. In commenting upon the condition of the switchboard and the recommendation of the inspector under Section I, pages 1 and 2 of the report, consideration should be given to the record of the telephone system at Key West Barracks which is briefly as follows:

The switchboard was purchased under Signal Corps Order 140287 and was shipped to Key West Barracks and set up in Bldg. 40 in March, 1924. It was held inactive for emergency use and was not placed in active service until 1932 when it was moved to the Post Administration Bldg., and placed in semi-active operation to the extent of a few telephone calls daily during office hours.

3. Regarding the recommendation for a common battery telephone switchboard to replace the local battery switchboard now installed, consideration should be given to the overhead expenses which would be involved in maintaining associate common battery equipment such as storage batteries and charging equipment as well as the purchase of commercial electric power for the few telephones, approximately 12, installed at Key West Barracks.

4. One copy of the report with WD SC Form 72 has been withdrawn for file at this headquarters.

By command of Major General Moseley:



Frank C. Burnett,  
Colonel, A.G.D.,  
Adjutant General.

319 HDKW (12-31-34)

2nd Ind.

/jsw

HQ. 4TH C.A. DISTRICT, Fort McPherson, Atlanta, Ga., January 12, 1935. -To:  
Commanding Officer, Harbor Defenses of Key West, Key West Barracks, Fla.

159.  
P.S.G.

333.9 KW.

319-HD-KW.(12-31-34.)

3rd Ind.

WWR/er.

Hq.H.D.of Key West,Key West Barracks,Fla.,January 23,1935. To:  
C.G.,4th C.A.,Atlanta,Ga.,THRU C.G.,4th C.A.D.,Ft.McPherson,Ga.

1. In compliance with Par.10,AR 105-20,March 15,1933,the following report of action taken is submitted.

I. Switchboard,Manual and Attendants Cabinet.

1. Switchboard.

New cords have been installed. New jacks will be installed when received.

*Wade W. Rhein*  
WADE W.RHEIN,  
Major,13th C.A.,  
Commanding.

319.1

4th Ind.

-jsw

HQ. 4TH C.A. DISTRICT, Fort McPherson, Atlanta, Ga., January 25, 1935.-To:  
Commanding General, Fourth Corps Area, Post Office Building, Atlanta, Ga.

REC'D. HQ. 4TH CORPS AREA

JAN 26 1935

*P.S.G.*  
P. S. G.

319 HD KW (12-31-34)

5th Ind.

IA-rf

Hq. Fourth Corps Area, Post Office Building, Atlanta, Ga., January 29, 1935.  
To: The Adjutant General, Washington, D.C.

1. It is believed that communication facilities now furnished are sufficient.

For the Commanding General:

*R.M. Levy*  
R. M. LEVY  
Major, A.G.D.,  
Asst. Adjutant General.

20 Received A.G.D. 723 1 1935

*one*

OFFICE  
SIGNAL OFFICER  
JAN 29 1935  
PM 12:21

O. O. A. 333.14/12W

POST OR FORT Key West Barracks, Fla.

**DESCRIPTIVE DATA RECORD**  
**OF**  
**SIGNAL CORPS PLANT IN PLACE**

This report consists of sheets Nos. "Title Page to Sheet #13, inclusive."

Rendered by *R.H. Krueger*  
R.H. KRUEGER,

Rank 1st Lieut., 13th C.A.

Date December 28, 1934

*Ina 1*

## REPORT OF SIGNAL CORPS PLANT IN PLACE

1. This form is to be completed by the inspector and used for reporting the Signal Corps equipment installed at Government-owned telephone and telegraph systems, fire-alarm and fire-control systems at the time the annual inspection of the system is made by the inspector designated by the department or corps area commander for that duty. The officer in charge of the system will assist the inspector in making out this form by giving him facts and data he may have on record that relate to the equipment to be reported.

2. No sheet of this form, except the title sheet and sheet 11, which should be prepared each time an inspection is made, need be made out when a similar sheet submitted within the preceding three years contains the required data and there have been no changes in the data previously submitted. Where a new sheet is made out, it should be complete for all headings, even though no changes have been made under some of the headings since the last inspection.

POST OR FORT Key West Barracks, Florida.Date December 28, 1934.

## TELEPHONE SWITCHBOARD

(Use another sheet for fire-alarm or separate fire-control switchboards)

**Recd. at post and set up in Bldg. #40,  
March 1924, removed to Bldg. #49 and  
made semi-active, 1932**

Date installed March 1924  
 Manufacturer Western Electric Co.  
 Manufacturer's type #1220-D  
 Manufacturer's Serial No. 915391 US-1  
 Signal Corps Serial No. Unknown  
 Order number and date 140287; 1924  
 Common battery or magneto? Magneto  
 Multiple or nonmultiple? Non Multiple  
 Number of panels to a multiple -----  
 Number of positions one  
 Cord pairs per position 15  
 Common battery lines wired None  
 Common battery lines equipped None  
 Magneto lines wired 45

Magneto lines equipped 40  
 Trunk circuits wired 5  
 Trunk circuits equipped 5  
 Operating voltage 12  
 Distance telephone system is outside B. R. area of telephone company None. It is inside BR.  
 Trunk loop resistance in ohms 39.78  
 Are line cables to switchboard under floor or on overhead rack? Overhead  
 If multiple switchboard, do cables from switchboard double at R. R. or distributing frame? -----  
 Are all positions equipped for service? 40 line & 5 tr.  
 Is switchboard used as attendant's cabinet of an automatic system? No - Not an automatic system  
 Location of switchboard Post Headquarters Bldg. #49.  
 Drawing number and date of face and rear equipment layout None

## SWITCHBOARD CIRCUIT DRAWINGS

Name of circuit	Number and figure	Name of circuit	Number and figure
Line circuit	T-22735	Generator circuit	T-80032 and T-80030
Cord circuit, local	T-401868	Operator's circuit	None
Cord circuit, universal	T-401870	Trunk circuit	None
Pilot circuit	None	Other circuits	Protector frm. T-75731
Fuse alarm circuit	None	Protector Fr. #1430;	T-75732
Night alarm circuit	T-79881	Grounding circuit	T-95954
Dial circuit	None	Special, as per let. S.O. 4th C.A., and	
Drawing number and date showing central office layout	None (approved by GSO-8/5/34)		

POST OR FORT Key West Barracks, FloridaDate December 28, 1934

## SWITCHBOARD CABLE

Pairs	Manufacturer's code	Signal Corps type	Connects what apparatus	Average length per run	Number of cables
21	30-0	Similar to WC-504	Switchboard to Distrib. Frame	50'	2

## CORD CIRCUITS

Apparatus	Manufacturer's code	Apparatus	Manufacturer's code
Cap, lamp, green	None	Relay, supervisor, answering	None
Cap, lamp, red	None	Relay, supervisor, calling	None
Cap, lamp, white	None	Relay	None
Capacitator	20-21-K	Relay	None
Coil, repeating	27-A	Signal	<b>Mechanical, 15</b> <del>WE-#30-0</del>
Cord, connecting	<b>CC-53</b> <del>WE-#</del>	Socket, lamp	None
<b>Cord fastener, 30</b>	<del>WE-#9</del>	Weight, cord	116
Key, ringing and listening	<b>Sp-#156-A</b>	Apparatus not listed:	
Key, listening	<b>D1-5400</b>		
Key, ringing	192-B-?	<b>Plates, mounting</b>	<b>90-0</b>
Plug, cord	47-A		
<b>Plug seats</b>	<b>WE-#15</b>		

## OPERATOR'S TELEPHONE CIRCUIT

Apparatus	Manufacturer's code	Apparatus	Manufacturer's code
Coil, induction	23	Key, operator's switching	None
Coil, repeating <b>Trunk</b>	27-A	Receiver	128-W
Coil, retardation	Unknown	Relay	.....
Capacitator	Unknown	Plug, operator's set	<b>WE. #136</b>
Cord, breast set	None	Transmitter	<b>232-W</b>
Cord, receiver	<del>WE</del> 369	Apparatus not listed:	
Cord, transmitter <b>CC-10</b>	437	<b>Transmitter arm</b>	<b>WE-#19-0</b>

POST OR FORT Key West Barracks, FloridaDate December 28, 1934.

## AUXILIARY SIGNAL, FUSE ALARM, NIGHT ALARM, TEST, DIAL, GENERATOR, AND MISCELLANEOUS CIRCUITS

Apparatus	Manufacturer's code	Apparatus	Manufacturer's code
Bell, night alarm <u>15 ohms</u>	10-B	Lamp, pilot	None
Buzzer, fuse alarm	None	Lamp, resistance	None
Buzzer, night alarm	None	Receptacle	None
Cap, lamp, green	None	Relay, fuse alarm	None
Cap, lamp, red	None	Relay, night alarm	None
Cap, lamp, white	None	Relay, pilot	None
Coil, retard, dial cct.	None	Relay	None
Capacitator, signal cct.	None	Resistor, generator	5-AJ
Capacitator, dial cct.	None	Resistor, _____ ohms, test cct.	None
Fuse, 1½ amperes	None	Resistor, _____ ohms, test cct.	None
Fuse, _____ amperes	None	Resistor, _____ ohms, test cct.	None
Generator, hand, <u>5-bar.</u>	48-H	Ringer (buzzer), gen. cct.	2-D
<u>Switch, ringing.</u>	<u>WE-#272-A.</u>	Socket, lamp	None
<u>Key, dial switching cct.</u>		Apparatus not listed:	
Key, generator switching	None	Generator extension shaft	Unknown.
Key, generator reversing	None	per spec. D-5731, 11, 41" from	
Key, night alarm	406-A	shoulder to shoulder.	

## LINE CIRCUITS

Apparatus	Manufacturer's code	Apparatus	Manufacturer's code
Cap, lamp, red	None	Relay, line	None
Cap, lamp, green	None	Signal, magneto <u>40</u>	<u>WE-#22-C</u>
Cap, lamp, white	None	Socket, lamp	None
Jack, line	156	Apparatus not listed:	
Lamp, line	None	Apparatus blanks <u>11</u>	<u>WE-#28-A</u>
Relay, cut-off	None		



POST OR FORT Key West Barracks, Florida.Date December 28, 1934.

## TRUNK CIRCUITS

Apparatus	Manufacturer's code	Apparatus	Manufacturer's code
Cap, lamp, busy.....	None	Relay, cut-off.....	None
Cap, lamp, trunk.....	None	Relay, ring-up.....	None
Capacitator.....	20-21-K	Relay.....	None
Capacitator <b>5-3 mf.</b>	<b>NE-#21-L.</b>	Relay.....	None
Coil, impedance (retard).....	None	Relay.....	30-0
Coil, repeating..... <b>5</b>	<b>NE-#27-A.</b>	Signal.....	
Coil, resistance.....	None	Socket, lamp.....	
Jack, line <b>and line drops</b> <b>(combined. 5.)</b>	<b>KS &amp; S Co.,</b> <b>type 113-E.</b>	Apparatus not listed:	
Jack, night.....	None		
Key, dial.....	None		
Key.....	406-A		

WIRE CHIEF'S TESTING SET -- N O N E --

Date installed.....	Manufacturer's type of voltmeter.....
Manufacturer and code number.....	Range of voltmeter.....
Location.....	Circuit dwg. number and date.....
	Remarks.....

CHIEF OPERATOR'S DESK -- N O N E --

		Number installed
Date installed.....	Monitor cts.....	
Manufacturer and code number.....	Inc. trk. cts.....	
Cct. dwg. number and date.....	Outgoing trk. cts.....	
Remarks.....	Cord cts.....	

TARGET RANGE SYSTEM -- N O N E --  
(Give approximate lengths of cable installed)

Cable	Gage	Armored	In duct	Cable	Gage	Armored	In duct
100-pair.....				15-pair.....			
75-pair.....				10-pair.....			
50-pair.....				Other sizes.....			
25-pair.....							

Drawing number and date of target range system.....

POST OR FORT Key West Barracks, Florida.Date December 28, 1934.

**AUTOMATIC SWITCHBOARD -- N O N E --**  
 (Describe attendant's cabinet on sheets 1 to 4)

Manufacturer.....	Line switch capacity.....
Order number and date.....	Line switches equipped.....
Date installed.....	Selecto. framework capacity.....
Date additions made.....	Selectors equipped.....
Plunger, rotary, line finder, or relay.....	Connector framework capacity.....
Per cent trunking L. S. to selector.....	Connectors equipped.....
Per cent trunking first selector to second selector.....	Location of switchboard.....
Per cent trunking selector to connector.....	

Apparatus	Manufacturer's code	Apparatus	Manufacturer's code
Line finder.....			
Line switch.....			
Master switch.....			
First selector.....			
Second selector.....			
Connector.....			
Apparatus not listed:			

**TELEGRAPH STATION -- N O N E --**

		Manufacturer	Code number
Location.....	Sounder.....		
Connects to what companies?.....	Relay.....		
	Key.....		
Number of circuits.....	Protector.....		
Remarks.....	Switchboard.....		



POST OR FORT Key West Barracks, Florida Date December 28, 1934

## STORAGE BATTERIES -- N O N E --

	No. 1	No. 2	No. 3		No. 1	No. 2	No. 3
Number of cells.....				Manufacturer's type			
A. H. capacity.....				hydrometer.....			
Manufacturer.....				Location.....			
Manufacturer's type.....				Furnishes power for.....			
Date installed.....				Trickle, float, or			
Date new elements				cycle charged.....			
installed.....				How often?.....			
In cabinet or on rack?.....				Remarks.....			
Which side grounded?.....							
Manufacturer's type							
thermometer.....							

## CHARGING EQUIPMENT OTHER THAN RECTIFIERS -- N O N E --

	No. 1	No. 2		No. 1	No. 2
Manufacturer.....			Date installed.....		
Manufacturer's type.....			Signal Corps type.....		
Kw. output.....			Order number and		
Operating voltage.....			date.....		
Cycles or d. c.....			Location.....		
General serial number.....			Charges what battery?.....		
Motor serial number.....					

## RECTIFIERS FOR POST TELEPHONE SYSTEM -- N O N E --

	No. 1	No. 2		No. 1	No. 2
Manufacturer.....			Date installed.....		
Manufacturer's type.....			Location.....		
Amperes.....			Charges what battery?.....		
Voltage output.....			Bulb code number.....		
Operating voltage.....					
Cycles.....					

## RECTIFIERS FOR CHARGING PORTABLE BATTERIES -- N O N E --

Ampere rating	Number in use	Location	Charges what batteries	Approximate number charged per month

## RINGING EQUIPMENT -- N O N E --

	No. 1	No. 2	No. 3		No. 1	No. 2	No. 3
Type equipment.....				Manufacturer.....			
Date installed.....				Manufacturer's			
Location.....				type.....			
				Operating voltage.....			
				Cycles or d. c.....			

POST OR FORT Key West Barracks, FlaDate December 28, 1934.

## DISTRIBUTING FRAME AND PROTECTING EQUIPMENT

Wall or floor type? <u>Cabinet, built locally.</u>	Manufacturer <u>Western Elect. Co.</u>
Number of verticals <u>2</u>	Manufacturer's type <u>WE-1420-B</u> <u>1930</u>
Capacity, protector (vertical) side <u>100</u>	Order number and date <u>Unknown</u>
Protectors equipped <u>45</u>	Date installed <u>Assembled 1924, until 1932</u> <u>(held inactive)</u>
Capacity, strip (horizontal) side <u>2</u>	Date additions made <u>None</u>
Terminal strips equipped <u>60</u>	Drawing numbers and dates showing layout of frame
Fuse protector capacity (pairs) <u>60</u>	<u>T-75731, October 11, 1916.</u>
Fuse protectors equipped <u>60</u>	Remarks
Do outside lines connect to protectors, fuses, or terminal strips? <u>Connect to fuse strip.</u>	

Apparatus	Manufacturer's code	Apparatus	Manufacturer's code
Block, protector, bottom	<u>WE-4-1</u>	Strip, terminal, 2-point	<u>Unknown</u>
Block, protector, top	<u>WE-4-3</u>	Strip, terminal, 3-point	<u>Unknown</u>
Coil, heat	<u>73-A</u>	Strip, terminal, 4-point	<u>Unknown</u>
Fuse, _____ ampere	<u>7-A</u>	Strip, terminal, 5-point	<u>Unknown</u>
<u>1169-A or 1435-P and</u>		Test cord, _____ feet	<u>None</u>
Protector group	<u>1435-U</u>	Test shoe	<u>None</u>
Ring, jumper	<u>WE-4-3</u>		

## RELAY RACK -- N O N E --

Manufacturer	Date installed
Height	Drawing number and date showing layout
Number of bays	Remarks
Relay mounting capacity per bay	

## COIL AND OTHER RACKS -- N O N E --

Manufacturer	Mounts what equipment?
Coil capacity	
Per cent equipped	

## FIRE CONTROL DISTRIBUTING FRAMES -- N O N E --

Type	Location	Number installed	QUANTITIES OF EQUIPMENT					
			Coils	12 pr. strips	21 pr. strips	TM-88 terms	Jack panels	T. I. panels

POST OR FORT Key Wes. Barracks, Florida.Date December 28, 1934.

## POWER PANELS, INCLUDING FIRE-CONTROL SWITCHBOARD -- N O N E --

	No. 1	No. 2		No. 1	No. 2
Manufacturer.....			Controls what batteries?.....		
Manufacturer's type.....			Location.....		
Signal Corps type.....			Date installed.....		
Order number and date.....					

Apparatus	No. 1 Panel			No. 2 Panel		
	Manufacturer	Manufacturer's code	Range	Manufacturer	Manufacturer's code	Range
Ammeter.....						
Circuit breaker.....						
Motor starter.....						
Rheostat.....						
Voltmeter.....						
Other equipment:						

## FIRE-CONTROL EQUIPMENT -- N O N E --

Apparatus	Number installed	Apparatus	Number installed	Apparatus	Number installed
Bell, T. I., large.....		Controller, zone signal.....		Switch key, set.....	
Bell, T. I., small.....		Hand set.....		Telephone, B. C.....	
Bell, zone sig.....		Head set.....		Telephone, desk.....	
Bell, ext. L. R.....		Outlet, zone sig.....		Telephone, gun.....	
Box, junc., std.....		Signal, firing, B. C.....		Telephone, plotters.....	
Box, junc., T. R.....		Signal, firing, pit.....		Telephone, wall.....	
Box, T. I., bell.....		Switch, hand set.....		Other apparatus:	
Box, term., 2-strip.....		Switch, push, zone sig.....			
Box, term., 4-strip.....		Switch box, base line.....			
Box, term., 8-strip.....		Switch box, cut-out.....			
Box, term., _____ strip.....		Switch box, transfer.....			



POST OR FORT Key West Barracks, Florida.Date December 28, 1934.

**CONDUIT SYSTEM**  
(Give approximate total lengths (lineal feet) installed)

--- N O N E ---

Conduit	Feet	Added since last report	Conduit	Feet	Added since last report	Manholes	Number	Added since last report
6-way MCD.....			Single CWD.....			6-foot.....		
4-way MCD.....			4-way fiber.....			4-foot.....		
2-way MCD.....			2-way fiber.....			22" x 40".....		
Single CD.....			Single fiber.....			Other sizes:		
2-way CWD.....			Iron pipe.....					

Drawing number and date of conduit plant.....

**CABLE SYSTEM**  
(Give approximate total lengths installed)

--- N O N E ---

	Gage	Feet	Added since last report		Gage	Feet	Added since last report
600-pair.....				25-pair.....			
400-pair.....				25-pair.....			
300-pair.....				15-pair.....			
200-pair.....				15-pair.....			
150-pair.....				10-pair.....			
100-pair.....				10-pair.....			
100-pair.....				Other sizes:			
75-pair.....							
50-pair.....				Approximate number of Signal Corps poles.....			
50-pair.....				Approximate number of joint poles.....			

**TERMINALS (state number of each)**

--- N O N E ---

	Protected	Unprotected	House		Protected	Unprotected	House
50-pair FX.....				15-pair.....			
50-pair.....				10-pair.....			
25-pair.....				Other sizes:			
20-pair.....							

Drawing number and date of cable plant.....

POST OR FORT Key West Barracks, Florida.Date December 28, 1934.PRESENT ESTIMATED VALUE OF TELEPHONE AND FIRE-CONTROL PLANT IN PLACE  
(Installation cost, less depreciation)

ADMINISTRATIVE TELEPHONE AND TARGET RANGE SYSTEMS			
	Value		Value
Telephone switchboard and accessories <i>342.65</i>	\$ <b>342.65</b>	Outside telephone plant	\$ 50.00
Telephone power plant		Other plant	
Other telephone C. O. equipment <i>M.F.</i>	\$ <b>120.45</b>	Target range system	
Telephone station equipment	\$ 150.00	TOTAL	\$ <b>663.10</b>

FIRE-CONTROL SYSTEM -- N O N E --			
	Value		Value
Cables and conduit system	\$	Telephone and other equipment	\$
F. C. power equipment		TOTAL	

## TRUNKS AND TIE LINES

Connects to what city	Company	Number	Rate per annum	Mileage cost	Additional message cost	Total cost per annum
Key West, Fla.	Sou. Bell T. & T. Company.	441	\$ 30.00	\$ None	\$ 0.04	\$ 30.00

## STATION EQUIPMENT

Manufacturer Western Electric Company.

Telephones	GOVERNMENT OWNED				Privately owned
	Dial type	Nondial	Extension bell	L. R. bell	
Desk	None	3	None	None	None
Hand set	None	None	None	None	None
Wall	None	13	None	2	None
TOTAL	None	16	None	2	None

## LIST OF TELEPHONES

Class A telephones are for official use only and have access to city trunks.

Class B telephones are authorized trunk connections for personal use.

Class C telephones are not permitted city trunk connections.

Class D telephones are for special services, such as fire reporting, watchman, etc., and are not permitted city trunk connections.

Telephone number	Listing	NUMBER INSTALLED					Class of service	Authority for installation
		Desk	Hand set	Wall	Extension bell	L. R. bell		
1	Office of C.O.	1	0	0	0	0	A	C.G. 4th C.A.
2	Qtrs. of C.O.	1	0	1	0	0	B	"
4	Officers Qtrs.	1	0	1	0	0	B	"
6	N.C.O. Qtrs.	0	0	1	0	0	B	"
8	N.C.O. Qtrs.	0	0	1	0	0	B	"
9	C.A.C. Det. Bks.	0	0	1	0	1	B	"
10-1	S. Recreation	0	0	1	0	0	B	"

Center cottage.







333.9

HEADQUARTERS HARBOR DEFENSES OF KEY WEST,  
KEY WEST BARRACKS, FLORIDA. RHK/er.

December 31, 1934.

Subject: Inspection of Signal Corps Plant In Place at Fort  
Taylor, Florida, for the period ending December 31, 1934.

To: The Corps Area Signal Officer, 4th C.A., Atlanta, Ga.

Last inspection made May 9, 1932 by Mr. W.R. Taylor, Electrical  
Engineer, S.S. at large.

This inspection made December 27, 1934 by R.H. Krueger, 1st Lieut.,  
13th C.A.

- I. Switchboard, Manual and Attendant's Cabinet.
- II. Automatic Equipment.
- III. Storage Battery.
- IV. Charging Equipment and Ringing Equipment.
- V. Power Panel.
- VI. Distributing Frame.
- VII. Wire Chief's Test Equipment.
- VIII. Relay Rack.
- IX. Records.
- X. Miscellaneous.
- XI. Storeroom.
- XII. Conduit System.
- XIII. Cable System.
- XIV. Poles, Crossarms, etc.
- XV. Terminals.
- XVI. Wires.
- XVII. Target Range Communication System.
- XVIII. Telephone Station Equipment.
- XIX. Telegraph Station.
- XX. Fire Control System.
- XXI. General Information and Recommendations not included in  
above.

I. SWITCHBOARD, MANUAL AND ATTENDANT'S CABINET:

1. Switchboard. (Common Battery)

- a. This system is used only for Summer training operations;  
being inactive at other times except for the necessary  
operations for upkeep and repair.

0.0.0.0. 333.14/12X  
333.14/12X  
333.14/12X

- b. The board is clean, neat and well kept.
  - c. All circuits and equipment tested and found to be in a satisfactory condition.
- 2. Line Circuits.
  - a. Proper system of tests and upkeep used.
  - b. Sufficient number of spares available.
  - c. All satisfactory.
- 3. Cord circuits. Satisfactory.
- 4. Trunk Circuits. Satisfactory.
- II. AUTOMATIC EQUIPMENT: None.
- III. STORAGE BATTERY:
  - a. Battery replaced in commission since last report. Date recommissioned, August 5, 1934.
  - b. The battery is now being charged twice a month and has apparently returned to an entirely satisfactory condition.
  - c. The battery is neat, clean and well kept.
- IV. CHARGING EQUIPMENT AND RINGING EQUIPMENT:
  - 1. Motor-Generator. Satisfactory.
  - 2. Ringing Equipment. None.
  - 3. Rectifier.
    - a. Satisfactory.
    - b. Is not permanently fastened as its location is not permanent.
  - 4. Ringing Vibrator. None.
- V. POWER PANEL:
  - a. The power panel is ample for these defenses.
  - b. All parts in proper working order and condition.
  - c. Sufficient repairs in stock and quickly available.

VI. DISTRIBUTING FRAME: Satisfactory.

VII. WIRE CHIEF'S TEST EQUIPMENT: None.

? VIII. RELAY RACK: Satisfactory. Recently installed.

IX. RECORDS:

a. Satisfactory and kept up to date.

X. MISCELLANEOUS: None.

XI. STOREROOM:

a. Quite centrally located.

b. Is kept clean and orderly.

c. Equipment exceptionally well cataloged and marked.

d. Sufficient supplies are on hand.

e. Building is some what small.

Recommendations:- That when funds are available a new store-room be constructed. To contain sufficient room for the supplies and records as well as a work shop for the repair and upkeep of the material.

XII. CONDUIT SYSTEM: None.

XIII. CABLE SYSTEM:

a. Tests of cable are made from time to time and conditions found are made of record and remedied if possible.

b. There was no indication of electrolysis.

XIV. POLES, CROSS-ARMS, ETC: None.

XV. TERMINALS: Satisfactory.

XVI. WIRES: None.

XVII. TARGET RANGE COMMUNICATION SYSTEM: None.

XVIII. TELEPHONE STATION EQUIPMENT: Satisfactory.

a. All recently overhauled.

b. All repainted within 6 months.

XIV. TELEGRAPH STATION: None.

XX. FIRE CONTROL SYSTEM: 1. Stations and Batteries

- a. All T.I. bells and signals operated satisfactory.
  - b. All junction and outlet boxes satisfactory.
  - c. Marking of phones and their designation should be improved.
  - d. All telephones working and satisfactory.
2. Time Interval Apparatus. Satisfactory.
3. Fort Signal Station.
- a. Comprises merely a building with phone connections there.
  - b. Is not used as a Signal Station.
  - c. No equipment on hand.
  - d. The following books are on hand and properly stored.
    - 1-International Code of Signals. Out of date.
    - 1-set-International Code of Signals, latest edition. (2 Vol)
    - 1-Seagoing Vessels of the U.S., 1919 edition.
    - 1-Lloyds House Flags & Funnels, 1912 edition.

XXI. GENERAL INFORMATION AND RECOMMENDATIONS NOT INCLUDED IN ABOVE:

- a. Telephone booths for C-1 station with all equipment removed. Proper notation made on historical records.
- b. Temporary field installation put in to care for the firing of the 155 mm gun battery in its temporary position.
- c. All maintenance is carried on by a Technical Sergeant C.A.C., and detail.

1 Incl. Report in dupl.  
on W.D., S.C. Form 72.

*R.H. Krueger*  
R.H. KRUEGER,  
1st Lieut., 13th C.A.,  
Inspecting Officer.

319 Taylor (12-31-34)

1st Ind.

IA-rf

Hq. Fourth Corps Area, Post Office Building, Atlanta, Ga., Jan. 23, 1935.

THRU: Commanding General, 4th Coast Artillery District, Fort McPherson, Ga.,


TO: Commanding Officer, Harbor Defenses of Key West, Key West Barracks, Fla.

1. For action required under paragraph 10, AR 105-20, dated March 15, 1933.

2. From the remarks of the inspector in Section IV-3 regarding the use of a rectifier, in Section VIII pertaining to a recently installed relay rack, also in Section XXI relating to the removal of telephone booths at C-1 station, it would appear that changes have been made to the fire control system which have not been shown on drawings furnished this headquarters.

3. It is noted that no mention is made in the report to either the radio station equipment or to the meteorological station equipment, and although it is stated in Section IX that records are satisfactory and kept up to date, revised copies have not been furnished this headquarters.

By Command of Brigadier General McCLOSKEY:

  
R. M. LEVY,  
Major, A.G.D.,  
Asst. Adj. Gen.

(Copy of report and 1 copy  
of WD SC Form 72 withdrawn)

319.1

2nd Ind.

:jsw

HQ. 4TH C.A. DISTRICT, Fort McPherson, Atlanta, Ga., January 25, 1935.-To:  
Commanding Officer, Harbor Defenses of Key West, Key West Barracks, Fla.

1 Incl.

  
P. S. G.

319.1

3rd Ind.

WWR/er.

Hq.H.D.of Key West,O.C.O.,Key West Barracks,Fla.,Feb.20,1935.To:  
C.G.,4th C.A.District,Ft.McPherson,Ga.

1. In compliance with paragraph 10 AR 105-20,dated March 15,  
1933,the following report is submitted.

The changes to the fire control system which has not been  
furnished the Corps Area Signal Officer will be forwarded by a  
seperate letter of transmittal.

Incl: No change.

*Waide W. Rhein*  
WAIDE W. RHEIN,  
Major, 13th C.A.,  
Commanding.

319.1

4th Ind.

/weh

HQ. 4TH C.A.DISTRICT, Ft.McPherson, Atlanta, Georgia, March 6, 1935. To:  
Commanding General, Fourth Corps Area, Post Office Bldg., Atlanta, Georgia.

1 Incl. - no change.

RECD. HQ. 4TH CORPS AREA

*P. S. G.*  
P. S. G.

MAR 7 - 1935

319 Taylor (12-31-34)

5th Ind.

IB-rf

Hq. Fourth Corps Area, Post Office Building, Atlanta, Ga., March 19, 1935.  
To: The Adjutant General, Washington, D.C.

1. Approved.

For the Commanding General:

8 Received A. G. O. MAR 20 1935

*R. M. Levy*  
R. M. LEVY,  
Major, A.G.D.  
Asst. Adj. Gen.

1935 MAR 20  
OFFICE  
CHIEF SIGNAL OFFICER  
AN 9:14

POST OR FORT Fort Taylor, Florida.

**DESCRIPTIVE DATA RECORD**  
**OF**  
**SIGNAL CORPS PLANT IN PLACE**

This report consists of sheets Title page to 13-e inclusive.

Rendered by *R. H. Krueger*  
R. H. KRUEGER,

Rank 1st Lieut., 13th C.A.

Date December 29, 1934.

O. O. O. A 333.14/12 X Inc. 1.

## REPORT OF SIGNAL CORPS PLANT IN PLACE

1. This form is to be completed by the inspector and used for reporting the Signal Corps equipment installed at Government-owned telephone and telegraph systems, fire-alarm and fire-control systems at the time the annual inspection of the system is made by the inspector designated by the department or corps area commander for that duty. The officer in charge of the system will assist the inspector in making out this form by giving him facts and data he may have on record that relate to the equipment to be reported.

2. No sheet of this form, except the title sheet and sheet 11, which should be prepared each time an inspection is made, need be made out when a similar sheet submitted within the preceding three years contains the required data and there have been no changes in the data previously submitted. Where a new sheet is made out, it should be complete for all headings, even though no changes have been made under some of the headings since the last inspection.

POST OR FORT Taylor, Florida.Date December 29, 1934.

## TELEPHONE SWITCHBOARD

(Use another sheet for fire-alarm or separate fire-control switchboards)

Date installed.....	1922	Magneto lines equipped.....	None
Manufacturer.....	Stromberg-Carlson	Trunk circuits wired.....	10
Manufacturer's type.....	1200	Trunk circuits equipped.....	5
Manufacturer's Serial No.....	2012	Operating voltage.....	30
Signal Corps Serial No.....	None	Distance telephone system is outside B. R. area of telephone company.....	1 1/2 mile
Order number and date.....	#140906-SC. Feb. 1920	Trunk loop resistance in ohms.....	No trunk lines
Common battery or magneto?	Common Battery	Are line cables to switchboard under floor or on overhead rack?	On floor, wooden covering.
Multiple or nonmultiple?	Non Mul. PBX	If multiple switchboard, do cables from switchboard double at R. R. or distributing frame?	None
Number of panels to a multiple.....	----	Are all positions equipped for service?	Yes
Number of positions.....	1	Is switchboard used as attendant's cabinet of an automatic system?	NO.
Cord pairs per position.....	15	Location of switchboard.....	Right flank of Battery Seminole (Mortars)
Common battery lines wired.....	100	Drawing number and date of face and rear equipment layout...	B-2593
Common battery lines equipped.....	50		
Magneto lines wired.....	None		

## SWITCHBOARD CIRCUIT DRAWINGS

Name of circuit	Number and figure	Name of circuit	Number and figure
Line circuit.....	B-3140	Generator circuit.....	B-3170
Cord circuit, local.....	B-3470	Operator's circuit.....	B-3160
Cord circuit, universal.....	-----	Trunk circuit.....	B-5720
Pilot circuit.....	B-3170	Other circuits.....	Sup. Pilot. B-3170
Fuse alarm circuit.....	-----	Battery switch.....	B-3170
Night alarm circuit.....	B-3170		
Dial circuit.....	-----		

Drawing number and date showing central office layout..... #6690-4-5-1. August 16, 1927



POST OR FORT Taylor, Florida.Date December 29, 1934.

## SWITCHBOARD CABLE

Pairs	Manufacturer's code	Signal Corps type	Connects what apparatus	Average length per run	Number of cables
21	B-1621	Similar to WC-5 04	Switchboard to Dist. frame.	20'	4

## CORD CIRCUITS

Apparatus	Manufacturer's code	Apparatus	Manufacturer's code
Cap, lamp, green.....	30-C	Relay, supervisor, answering.....	222-B
Cap, lamp, red.....	30-B	Relay, supervisor, calling.....	222-B
Cap, lamp, white.....	30-A	Relay.....	-----
Capacitator.....	#8 and #19	Relay.....	-----
Coil, repeating.....	None	Signal.....	28
Cord, connecting.....	3-32-K	Socket, lamp.....	12
Key, ringing and listening.....	178	Weight, cord.....	6
Key, listening.....	173	Apparatus not listed: Key mtgs.....	89
Key, ringing.....	-----	Cord fasteners.....	5
Plug, cord.....	53-X	Cord hooks.....	2
		Plug seats.....	6
		Number plates.....	17
		Plug hole blanks.....	1
		Relay mountings.....	19

## OPERATOR'S TELEPHONE CIRCUIT

Apparatus	Manufacturer's code	Apparatus	Manufacturer's code
Coil, induction.....	42-A	Key, operator's switching.....	119 marked "GEN"
Coil, repeating.....	None	Receiver, Opr. Tel. Set.....	2-C
Coil, retardation.....	None	Relay.....	222-B
Capacitator.....	19	Plug, operator's set.....	23
Cord, breast set.....	0-4-C	Transmitter, Opr. Tel. Set.....	2-C
Cord, receiver.....	-----	Apparatus not listed: Jack.....	23
Cord, transmitter.....	-----	Coil, impedance.....	204

POST OR FORT Taylor, Florida.Date December 29, 1934.

## AUXILIARY SIGNAL, FUSE ALARM, NIGHT ALARM, TEST, DIAL, GENERATOR, AND MISCELLANEOUS CIRCUITS

Apparatus	Manufacturer's code	Apparatus	Manufacturer's code
Bell, night alarm.....	Farada	Lamp, pilot.....	28
Buzzer, fuse alarm.....	None	Lamp, resistance.....	10-A
Buzzer, night alarm.....	50-H	Receptacle.....	9
Cap, lamp, green.....	30-C	Relay, fuse alarm.....	None
Cap, lamp, red.....	30-B	Relay, night alarm.....	201-AA
Cap, lamp, white.....	30-A	Relay, pilot.....	201-AA
Coil, retard, dial cct.....	None	Relay.....	110 volt, 40 W lamp.
Capacitator, signal cct.....	19	Resistor, generator.....	None
Capacitator, dial cct.....	None	Resistor, ..... ohms, test cct.....	None
Fuse, 1½ amperes.....	wire	Resistor, ..... ohms, test cct.....	----
Fuse, ..... amperes.....	Wire	Resistor, ..... ohms, test cct.....	-----
Generator, hand.....	38	Ringer (buzzer), gen. cct.....	Lamp
Key, dial switching cct.....	None	Socket, lamp.....	50745
Key, generator switching.....	119 Mkd. "GEN"	Apparatus not listed: Cap, lamp.....	23-A
Key, generator reversing.....	None	Crank shaft for gen....	2
Key, night alarm marked NA	119	Brackets.....	12907

## LINE CIRCUITS

Apparatus	Manufacturer's code	Apparatus	Manufacturer's code
Cap, lamp, red.....	30-B	Relay, line.....	194-A
Cap, lamp, green.....	30-C	Signal, magneto.....	None
Cap, lamp, white.....	30-A	Socket, lamp.....	121
Jack, line.....	135	Apparatus not listed: Jack, blank	48
Lamp, line.....	28	Jack fasteners.....	17
Relay, cut-off.....	194-A	Strip, designation.....	17
		Relay casing.....	18
		Relay mounting.....	88

POST OR FORT Taylor, Florida.Date December 29, 1934.

## TRUNK CIRCUITS

Apparatus	Manufacturer's code	Apparatus	Manufacturer's code
Cap, lamp, busy.....	None	Relay, cut-off.....	306-X
Cap, lamp, trunk.....	30-A	Relay, ring-up.....	None
Capacitator.....	19	Relay.....	306-CCX
Capacitator.....	-----	Relay.....	-----
Coil, impedance (retard).....	-----	Relay.....	-----
Coil, repeating.....	11	Signal.....	28
Coil, resistance.....	None	Socket, lamp.....	121
Jack, line.....	132	Apparatus not listed:	
Jack, night.....	-----	Relay mounting strips.....	89
Key, dial.....	None	Designation strips....	17
Key.....	178	Jack fasteners.....	17

WIRE CHIEF'S TESTING SET -- N O N E --

Date installed.....	Manufacturer's type of voltmeter.....
Manufacturer and code number.....	Range of voltmeter.....
Location.....	Circuit dwg. number and date.....
	Remarks.....

CHIEF OPERATOR'S DESK -- N O N E --

		Number installed
Date installed.....	Monitor ccts.....	
Manufacturer and code number.....	Inc. trk. ccts.....	
Cct. dwg. number and date.....	Outgoing trk. ccts.....	
Remarks.....	Cord ccts.....	

TARGET RANGE SYSTEM -- N O N E --  
 (Give approximate lengths of cable installed)

Cable	Gage	Armored	In duct	Cable	Gage	Armored	In duct
100-pair.....				15-pair.....			
75-pair.....				10-pair.....			
50-pair.....				Other sizes.....			
25-pair.....							

Drawing number and date of target range system.....

POST OR FORT Taylor, Florida

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**AUTOMATIC SWITCHBOARD**    -- N O N E --  
 (Describe attendant's cabinet on sheets 1 to 4)

Manufacturer.....	Line switch capacity.....
Order number and date.....	Line switches equipped.....
Date installed.....	Selecto. framework capacity.....
Date additions made.....	Selectors equipped.....
Plunger, rotary, line finder, or relay.....	Connector framework capacity.....
Per cent trunking L. S. to selector.....	Connectors equipped.....
Per cent trunking first selector to second selector.....	Location of switchboard.....
Per cent trunking selector to connector.....	

Apparatus	Manufacturer's code	Apparatus	Manufacturer's code
Line finder.....			
Line switch.....			
Master switch.....			
First selector.....			
Second selector.....			
Connector.....			
Apparatus not listed:			

**TELEGRAPH STATION**    -- N O N E --

		Manufacturer	Code number
Location.....	Sounder.....		
Connects to what companies?.....	Relay.....		
	Key.....		
Number of circuits.....	Protector.....		
Remarks.....	Switchboard.....		

POST OR FORT Taylor, Florida.

Date December 29, 1934.

## STORAGE BATTERIES

	No. 1	No. 2	No. 3		No. 1	No. 2	No. 3
Number of cells	15			Manufacturer's type	Elect		
A. H. capacity	120			hydrometer	Sto. Bat Co.		
Manufacturer	E. S. B.			Location	Bat.		
Manufacturer's type	B				Seminole.		
Date installed	Unknown			Furnishes power for	F. C.		
Date new elements installed	Re-com				system		
	8-5-34			Trickle, float, or	Motor-		
In cabinet or on rack?	Rack			cycle charged	Gen.		
Which side grounded?	Pos			How often?	Bi-Monthly		
Manufacturer's type				Remarks	Only one battery of 15 cells		
thermometer	#7165						

## CHARGING EQUIPMENT OTHER THAN RECTIFIERS

	No. 1	No. 2		No. 1	No. 2
Manufacturer	Burke Elec. Co.	Same	Date installed	1922	1922
Manufacturer's type	ELMG	TELMG	Signal Corps type	Not listed on plate	
Kw. output	1 KW.	1 KW	Order number and date	160388	160269
Operating voltage	45	45		Unknown	Unknown
Cycles or d. c.	30	D.C.	Location	F. C. Switchboard	
General serial number	Spec. 285-F	Spec. 285-F		room, Bat. Seminole.	
Motor serial number	Unknown	---	Charges what battery?	F. C. Tel. Battery	

## RECTIFIERS FOR POST TELEPHONE SYSTEM -- NONE --

	No. 1	No. 2		No. 1	No. 2
Manufacturer			Date installed		
Manufacturer's type			Location		
Amperes			Charges what battery?		
Voltage output			Bulb code number		
Operating voltage					
Cycles					

## RECTIFIERS FOR CHARGING PORTABLE BATTERIES

Ampere rating	Number in use	Location	Charges what batteries	Approximate number charged per month
6	1	Storage battery room	Radio BS-29	One, except during training period. Then continuously for approx 2 weeks.

## RINGING EQUIPMENT -- NONE --

	No. 1	No. 2	No. 3		No. 1	No. 2	No. 3
Type equipment				Manufacturer			
Date installed				Manufacturer's type			
Location				Operating voltage			
				Cycles or d. c.			

POST OR FORT Taylor, Florida.

Date December 29, 1934.

## DISTRIBUTING FRAME AND PROTECTING EQUIPMENT

Wall or floor type?	Floor	Manufacturer	Stromberg-Carlson.
Number of verticals	2	Manufacturer's type	Unknown
Capacity, protector (vertical) side	60	Order number and date	Unknown
Protectors equipped	60	Date installed	1922
Capacity, strip (horizontal) side	3	Date additions made	None made
Terminal strips equipped	3	Drawing numbers and dates showing layout of frame	
Fuse protector capacity (pairs)	20		None
Fuse protectors equipped	60	Remarks	
Do outside lines connect to protectors, fuses, or terminal strips?	Terminal strips.		

Apparatus	Manufacturer's code	Apparatus	Manufacturer's code
Block, protector, bottom	Unknown	Strip, terminal, 2-point	Unknown
Block, protector, top	"	Strip, terminal, 3-point	"
Coil, heat	73-A	Strip, terminal, 4-point	"
Fuse, 3 ampere	Unknown	Strip, terminal, 5-point	"
Protector group	Unknown	Test cord, feet	None
Ring, jumper	Unknown	Test shoe	None

## RELAY RACK Inside cabinet.

Manufacturer	Stromberg-Carlson	Date installed	1922
Height	3 feet 7 inches	Drawing number and date showing layout	
Number of bays	3		None on hand
Relay mounting capacity per bay	20	Remarks	

## COIL AND OTHER RACKS -- NONE --

Manufacturer		Mounts what equipment?
Coil capacity		
Per cent equipped		

## FIRE CONTROL DISTRIBUTING FRAMES

Type	Location	Number installed	QUANTITIES OF EQUIPMENT						
			Coils	12 pr. strips	21 pr. strips	TM-88 terms.	Jack panels	T. I. panels	Other equipment
Unknown	3wbd. room	1	40	29	1	0	0	1	0

POST OR FORT Taylor, Florida.

Date December 29, 1934.

## POWER PANELS, INCLUDING FIRE-CONTROL SWITCHBOARD

	No. 1	No. 2		No. 1	No. 2
Manufacturer	Krantz Mfg. Co.		Controls what batteries?	All	
Manufacturer's type	Unknown		Location	F.O. Swbd. room	
Signal Corps type	Unknown		Date installed	1922	
Order number and date	140323, 1918				

Apparatus	No. 1 Panel			No. 2 Panel		
	Manufacturer	Manufacturer's code	Range	Manufacturer	Manufacturer's code	Range
Ammeter	Weston	24	0-30	Weston	#24	0-30
Circuit breaker	I.T.E.	E	15 amp	Same as No. 1		
Motor starter	Cutler-Hammer	701805A7	0-12	Same as No. 1		
Rheostat	"	11058	120	Cutler-Hammer	11002	500 Vol
Voltmeter	Weston	24	0-130	Same as No. 1.		
Other equipment:						

## FIRE-CONTROL EQUIPMENT

Apparatus	Number installed	Apparatus	Number installed	Apparatus	Number installed
Bell, T. I., large	2	Controller, zone signal	1	Switch key, set	3
Bell, T. I., small	10	Hand set	18	Telephone, B. C.	22
Bell, zone sig.	2	Head set	45	Telephone, desk	0
Bell, ext. L. R.	8	Outlet, zone sig.	3	Telephone, gun	1
Box, junc., std.	0	Signal, firing, B. C.	1	Telephone, plotters	0
Box, junc., T. R.	0	Signal, firing, pit.	2	Telephone, wall	37
Box, T. I., bell	8	Switch, hand set	1	Other apparatus:	
Box, term., 2-strip	0	Switch, push, zone sig.	2	Terminal blocks	34
Box, term., 4-strip	1	Switch box, base line	1	Padlocks, MC-92	8
Box, term., 8-strip	0	Switch box, cut-out	3	Terminal TM-88	52
Box, term., 2/iron strip	5	Switch box, transfer	2		

POST OR FORT Taylor, Florida.Date December 29, 1934.

## TIME INTERVAL APPARATUS

Location	Signal Corps type	Number installed	Manufacturer	Manufacturer of motor	Remarks
F.C. S.Wbd. Room.	EE-56	1	Unknown.	Unknown.	

## METEOROLOGICAL EQUIPMENT

Apparatus	Signal Corps type	Number installed	Apparatus	Signal Corps type	Number installed
Scales.....	ML-71	0	Carrying box.....	ML-47	0
Anemometer.....	ML-13	1	Wind Vane.....	ML-11	1
Barometer.....	ML-2	0	Barometer.....	ML-9	0
Bracket for barometer.....	ML-48	0	Case.....	ML-48	0
Cock, hose.....	ML-56	0	Hose.....	ML-81	0
Coupling.....	ML-49	0	Plotting Board.....	ML-57	0
Plotting Board.....	ML-55	0	Scales.....	ML-70	0
Tripod f/Theodolite.....	ML-78	0	OFORT SIGNAL STATION Theodolite.....	ML-78	0

Material of mast None (destroyed by storm/  
(1919)Year installed UnknownHeight of mast NoneYear last painted ----- None

Apparatus	Signal Corps type	Number installed	Books	Edition (year)
Telephone bob	EE-7	2	House Flags & Funn	1912
Handset	EE-69	1	I.C.of Sig.U.S.Hyd-	
Headset	EE-70	1	rographic Office (Set) Latest	
			Sergoing vessels	
			of U.S.....	1919
Flag sets <u>None.</u>			I.C.of Signals	1919

NIGHT SIGNALING EQUIPMENT --- N O N E ---

Apparatus	Signal Corps type	Number installed	Apparatus	Signal Corps type	Number installed

## TELEPHONE PAY STATION AND PRIVATE TELEPHONE LINES ON POST

Location	Authority and date	Are Government cables used	Location	Authority and date	Are Government cables used
N.C.O.Qtrs.No.1003	Unknown	Yes			
(NOTE:-This is a direct line and does not connect to switchboard. Rental is paid by N.C.C.in charge of telephone system.					



POST OR FORT Taylor, FloridaDate December 29, 1934

**CONDUIT SYSTEM**  
(Give approximate total lengths (lineal feet) installed)

-- N O N E --

Conduit	Feet	Added since last report	Conduit	Feet	Added since last report	Manholes	Number	Added since last report
6-way MCD			Single CWD			6-foot		
4-way MCD			4-way fiber			4-foot		
2-way MCD			2-way fiber			22" x 40"		
Single CD			Single fiber			Other sizes:		
2-way CWD			Iron pipe					

Drawing number and date of conduit plant

**CABLE SYSTEM**  
(Give approximate total lengths installed)

	Gage	Feet	Added since last report		Gage	Feet	Added since last report
600-pair		0	0	25-pair		0	0
400-pair		0	0	25-pair		0	0
300-pair		0	0	15-pair		0	0
200-pair		0	0	15-pair		0	0
150-pair		0	0	10-pair	19	19378	0
100-pair		0	0	10-pair	22	0	0
100-pair		0	0	Other sizes: 30 pr.	19	12302	0
75-pair		0	0	20 pairs	19	4406	0
50-pair	19	1649	0	20 pairs	22	10	0
50-pair	19	1939	0	1 pair	19	3740	0
				1 pair	14	310	0
				1 pair	10	150	0
				Approximate number of Signal Corps poles			
				No S.C. poles installed.			
				Approximate number of joint poles			
				8			

**TERMINALS (state number of each)**

	Protected	Unprotected	House		Protected	Unprotected	House
50-pair FX	11	0	0	15-pair	0	0	0
50-pair	0	0	0	10-pair	20	0	0
25-pair	0	0	0	Other sizes:			
20-pair	15	0	0				

Drawing number and date of cable plant (No number) May 15, 1932.



Date December 29, 1974.

### LIST OF TELEPHONES—Continued

3-10152 SHEET 12

POST OR FORT Taylor, Florida.

Date December 29, 1934.

## SIGNAL EQUIPMENT STOCK NOT INSTALLED

Name of article	Signal Corps type	Manufacturer's code	Number on hand	Condition	Remarks or recommendation, stating whether surplus or required for use at post
Adapters	FT-65-B		1	good	Required at post
Adapter, film pact	Premc		2	good	" " "
Amplifier	BC-118		1	"	" " "
Antenna	AN-13		1	"	" " "
Antenna	AN-14		1	"	" " "
Apperatus box	BE-1		12	"	" " "
Apparatus box	BE-3		12	"	" " "
Apparatus box	BE-4		26	"	" " "
Apperatus box	BE-6		2	"	" " "
Axe	LC-1		8	"	6 reported surplus
Axe	LC-31		2	"	Required at post
Bags	BG-6		4	"	" " "
Baldwin unit, radio.			2	"	" " "
Bar, tamping & dig.			6	"	" " "
Bar, lever f. 5 ton jk.			1	"	" " "
Barometer	ML-2		1	"	" " "
Barometer	ML-9		1	"	" " "
Batteries	BB-29		3	"	" " "
Batteries	BB-41		2	"	" " "
Bell	MC-8		15	"	" " "
Bell	MC-9		0	"	" " "
Bell	MC-10		10	"	" " "
Belt	LC-23		5	"	" " "
Bit equipment	TE-19		1	"	" " "
Blocks	BL-3		4	"	" " "
Block, tackle, 3" pul			2	"	" " "
Box	BE-41		2	"	" " "
Box, wood, special	ML-47		1	"	" " "
Brackets f/ barometer	ML-48		2	"	" " "
Bulb, Rect. 5 amp. GE.		189048	1	Unservice	On I. & I. list
Bulb, tungar, 6 amp		189039	2	good	Required at post
Buzzers	BZ-1		4	"	Reported surplus
Cabinet, file, wood			1	"	Required at post
Cable #6 B&3, flex duplex.			350'	"	" " "
Cable	WC-251		1000'	"	" " "
Cable (less armor)	WC-321		58'	"	" " "
Cable	WC-324		699'	"	" " "
Cable	WC-401		90'	"	" " "
Cable	WC-405		80'	"	" " "
Cable	WC-512		1275'	"	" " "
Camera	PH-6		2	"	" " "
Camera	PH-7		1	"	" " "
Can, oil, mal. iron. 5-oz			1	"	" " "
Capicitor, 1 mf	21-AA	21-AA	2	"	" " "
Capicitor	22	22	5	"	" " "
Capicitor	CA-16		17	"	" " "
Capicitor	CA-60		25	"	" " "
Cases, flashlight			4	U	Obsolete. To I & I
Case w/o bracket	ML-48		1	"	Required at post
Cases f/ handset tran.	TE-69		4	"	" " "

## SIGNAL EQUIPMENT STOCK NOT INSTALLED.

(Page 13-a)

Name of Article:	SC	Type:	MFGR.	T:	Amount:	Condition:	Remarks, etc
Chair, swb. operatr:					1	good	Required at post
Chest		CH-1			1	"	" " "
Chest		CH-2			1	"	" " "
Cipher device		M-94			1	"	" " "
Clamps		LC-24			3	"	" " "
Climbers Pr.		LC-6			1	"	" " "
Climbers, 15 <sup>1</sup> / <sub>2</sub> "					1	"	" " "
Climbers, 18"					1	"	" " "
Cock, hose		ML-56			1	"	" " "
Code practice eq.		EE-81			1	"	" " "
Coils, Ringer, Leich					10	"	" " "
Coils, ringer for		MC-9			10	"	" " "
Coils, retardation:		C-28			9	"	" " "
Coils, induction		C-31-A			18	"	" " "
Condenser, Leich			21-A		5	"	" " "
Cord, w/plug		CC-61			9	"	" " "
Cords		CC-106			8	"	" " "
Cords		CC-107			4	"	" " "
Cords			WE-369		1	"	" " "
Cords			WE-437		2	"	" " "
Cord, 6' 3", w/Plug:			WE-493		10	"	" " "
#47-A						"	" " "
Cords		CC-201			7	"	" " "
Cords		CC-202			46	"	" " "
Cords		CC-209			74	"	" " "
Cords		CC-210			74	"	" " "
Counterpoise		CP-1			15	"	" " "
Coupling		ML-49			1	"	" " "
Cushings, ear for		EE-70			12	"	" " "
Desk box, L.B.			WE-315-H		1	"	" " "
Desk stands, L.B.			WE-1040AL		1	"	" " "
Drills, rock, star, 1" X 12"					2	"	" " "
" " " 5/16" X 8"					1	"	" " "
" " " 3/8" X 24"					1	"	" " "
" " " 9/16" X 12"					1	"	" " "
" " " 5/8" X 8"					2	"	" " "
" " " 11/16" X 12"					1	"	" " "
" " " 1" X 12"					1	"	" " "
Drill, twist, #5 33:					1	"	" " "
" " #6 33:					1	"	" " "
" " #10 33:					1	"	" " "
" " #18 33:					1	"	" " "
" " #24 33:					1	"	" " "
" " #30 33:					1	"	" " "
Extractor, lamp			WE-116		2	"	" " "
Flashlight, tubular TL-95					7	(1-Unserv:	1-on I & I) bal.required.
Frame		PH-9			2	good	Requires at post
Frame		FM-17			1	"	" " "
Funnel, fluted glass, 1/2 Pt.					1	"	" " "
Generator		GN-25			3	"	" " "

SIGNAL EQUIPMENT STOCK NOT INSTALLED:

Name of article :	: SC TYPE :	MFG. TYPE :	AMOUNT :	CONDITION :	REMARKS, ETC.
Gloves, pairs	: LC-9 :	:	2 :	good :	Required at post
Gloves, pairs	: LC-10 :	:	2 :	" :	" " "
Graduate	: PH-10 :	:	1 :	" :	" " "
Grips, each	: LC-11 :	:	2 :	" :	" " "
Grips, each	: LC-12 :	:	2 :	" :	" " "
Guys	: GY-5 :	:	2 :	" :	" " "
Guys	: GY-6 :	:	2 :	" :	" " "
Guys	: GY-7 :	:	2 :	" :	" " "
Hammer	: HM-1 :	:	4 :	" :	" " "
Hammer	: TL-39 :	:	1 :	" :	" " "
Handle w/tools, Miller Falls....#-5	:	:	2 :	" :	" " "
Handsets, f/EE-5	: TS-7 :	:	9 :	" :	" " "
Handsets	: EE-69 :	:	18 :	" :	" " "
Headset	: EE-70 :	:	50 :	" :	" " "
Headset	: P-1 :	:	3 :	" :	" " "
Headset	: P-11 :	:	6 :	" :	" " "
Hook, carrying, 4' handle	:	:	1 :	" :	" " "
Hook	: LC-32 :	:	1 :	" :	" " "
Hose, each	: ML-81 :	:	1 :	" :	" " "
Hydrometer (Floating)	: ESB Co. :	:	3 :	" :	" " "
Hydrometer	: HY-2 :	:	2 :	" :	" " "
Insulators	: IN-4 :	:	1 :	" :	" " "
Insulators	: IN-69 :	:	200 :	" :	" " "
Jack	: LC-13 :	:	2 :	" :	" " "
Jars, glass	: E-7 :	ESB #379	3 :	" :	" " "
Junction box	: JB-3 :	:	1 :	" :	Reported surplus.
Key	: J-2 :	:	1 :	" :	Required at post
Knives	: TL-11 :	:	5 :	" :	" " "
Knives	: TL-29 :	:	16 :	7-Unserv: I&I. :	" " "
Lamp, oil, ruby, sub. f/..	PH-12 :	:	1 :	good :	" " "
Lance poles	: PO-2 :	:	89 :	2-Unserv I&I 87 Surpl. :	" " "
Lever, hookswitch	:	:	5 :	good :	Required at post.
Loudspeaker	: RCA-100A :	:	1 :	" :	" " "
Loud speaker cabinet for.....	RCA-100A :	:	1 :	" :	" " "
Mast caps	: MP-6 :	:	1 :	" :	" " "
Mast plates	: MP-7 :	:	1 :	" :	" " "
Mast sections	: M3-18 :	:	1 :	" :	" " "
Mast sections	: M3-19 :	:	3 :	" :	" " "
Mast sections	: M3-20 :	:	2 :	" :	" " "
Mast sections	: M3-21 :	:	7 :	" :	" " "
Mast sections	: M3-22 :	:	1 :	" :	" " "
Megaphone	: M-64 :	:	3 :	" :	" " "
Mouthpiece f/EE-70	:	:	20 :	" :	" " "
Panel	: BD-44 :	:	1 :	" :	" " "
Panel set	: AP-8-B :	:	4 :	" :	" " "
Pliers, 5 1/2" long nose:	:	:	2 :	" :	" " "
Pliers	: TL-13 :	:	1 :	" :	" " "
Pliers	: TL-19 :	:	1 :	" :	" " "
Pliers	: TL-20 :	:	1 :	" :	" " "
Pliers	: TL-24 :	:	4 :	" :	" " "

SIGNAL EQUIPMENT STOCK NOT INSTALLED:

Name of article	: SC. TYPE	: MFG. TYPE	: AMOUNT	: CONDITION	: REMARKS, etc.
Pliers	: TL-103	:	1	: good	: Required at post.
Pliers	: TL-107	:	3	: "	: " " "
Plotting board	: ML-55	:	1	: "	: " " "
Plotting board	: ML-57	:	1	: "	: " " "
Plugs	: PL-5	:	2	: "	: " " "
Plug, swbd. Str-Carl.	:	: 23	1	: "	: " " "
Plug f/Hammerlund Rec. PL-47	:	:	1	: "	: " " "
Plugs f/LB. Swbd.	:	: WE-136	2	: "	: " " "
Pole seat	:	: WE. Co.	1	: "	: Surplus
Power unit	: P-40	:	1	: "	: Required at post.
Printer	: PH-13	:	1	: "	: " " "
Psychrometer	: ML-24	:	2	: "	: " " "
Radio control box	: BC-142	:	1	: "	: " " "
Radio receiver	:	: National	1	: "	: " " "
Radio rec. Hammerlund	:	: Comet Pro	1	: "	: " " "
Radio set	: SCR-109A	:	2	: "	: " " "
Radio tuner	: BC-138	:	1	: "	: " " "
Receiver, opr. American	:	: MC-5131	1	: "	: " " "
Receivers f/headsets	: EE-70	:	7	: "	: " " "
Receivers, hand	:	: WE-143 AW	5	: "	: " " "
Rectifier, bat. elim.	: RA-9	:	1	: "	: " " "
Reels	: DR-4	:	12	: "	: " " "
Reels	: RL-3	:	4	: "	: Surplus.
Reel	: RL-17	:	1	: "	: Required at post.
Reel cart	: RL-16	:	2	: "	: " " "
Resister, starting,	:	:	1	: "	: " " "
3.83 ohms, f/MG-6	:	:	2	: "	: " " "
Resister, starting	:	:	2	: "	: " " "
7 ohm f/MG-8	:	:	3	: "	: " " "
Ringer, w/o gongs, less mtg.	:	:	1	: "	: " " "
Rod	: PH-27	:	1	: "	: " " "
Rule, box, wood 2' 4-fold	:	:	2	: "	: " " "
Saw	: TL-104	:	1	: "	: " " "
Scale	: ML-70	:	2	: "	: " " "
Scale	: ML-71	:	2	: "	: " " "
Scale	: ML-72	:	2	: "	: " " "
Scale	: PH-14	:	1	: "	: " " "
Scissors, 5# f. TE-5	:	:	3	: "	: " " "
Screwdriver, 3"	:	:	1	: "	: " " "
Screwdriver, 5" blade	:	:	1	: "	: " " "
Screwdriver, 6"	:	:	1	: "	: " " "
Screwdriver	: TL-44	:	1	: "	: " " "
Screwdriver	: TL-113	:	1	: "	: " " "
Shovels	: LC-17	:	3	: "	: " " "
Shovels	: LC-18	:	2	: "	: " " "
Shovels	: LC-19	:	2	: "	: " " "
Sig. lamp. equip. less bat. EE-6-A:	:	:	1	: "	: " " "
Soldering iron	: TL-46	:	1	: "	: " " "
Soldering iron	: TL-117	:	1	: "	: " " "
Stakes	: GP-1	:	23	: "	: " " "
Stakes	: GP-3	:	15	: "	: Surplus.
Safety strap, linemen's belt	:	:	2	: "	: Required at post

SIGNAL EQUIPMENT STOCK NOT INSTALLED:

NAME OF ARTICLE	: SC. TYPE	: MFG. TYPE	: AMOUNT	: CONDITION	: REMARKS, ETC.
Straps	: ST-5	:	6	: good	: Required at post.
Strap	: ST-21	:	1	: "	: Surplus.
Square, steel 4"	:	:	1	: "	: Required at post.
Switch, push, zone signal	:	:	2	: "	: " " "
Switch, hook, less lever	:	:	5	: "	: " " "
Switchboard	: BD-9	:	2	: "	: " " "
Switchboard	: BD-11	:	1	: "	: " " "
Switchbox	: BC-74	:	1	: "	: " " "
Switchbox	: BC-98	:	1	: "	: " " "
Switchbox	: BC-99	:	3	: "	: " " "
Syringe	: M-21	:	2	: "	: " " "
Tank	: PH-15	:	1	: "	: " " "
Tenk	: PH-16	:	1	: "	: " " "
Tape measure, met. 100'	:	:	1	: Unserv.	: I. & I. Report.
Telephones	: EE-5	:	42	: good	: Required at post.
Telephone box	: BE-7	:	19	: "	: " " "
Telephone box	: BE-73	:	18	: "	: " " "
Telephone box	: BE-74	:	2	: "	: " " "
Telephone box	: BE-75	:	7	: "	: " " "
Telephone box	: BE-78	:	4	: "	: " " "
Telephone, wall, LB.:	: WE#1317-CH:	:	11	: "	: " " "
Telephone, wall, Plot.	: EE-25:	:	12	: "	: " " "
Terminal blocks	: TM-70	:	12	: "	: " " "
Terminal box	: BE-44	:	2	: "	: Surplus.
Terminal box	: BE-55	:	1	: "	: "
Terminal box	: TM-66	:	6	: 1-Unserv:	: 5-Surp & 1-I & I.
Terminal box	: TM-71	:	1	: good	: Required at post.
Terminal box, 4 st.	: Mod-1915	:	3	: "	: Surplus.
Terminal box, 8 st.	: Mod-1915	:	1	: "	: Required at post.
Terminal strips	: TM-54	:	5	: poor	: Surplus.
Terminal strips	: TM-76	:	48	: 5-damaged:	: Surplus.
Terminal strips	: TM-77	:	41	: 15-damaged:	: Surplus.
Terminals	: TM-88	:	1	: good	: Required at post.
Terminal, Cook, cable:	: 3-8	:	1	: "	: " " "
Test set, linemans	: WE#1006-B:	:	1	: "	: " " "
Test set, sub f/I-48 megger	: #57978:	:	1	: "	: " " "
Test set	: I-49	:	1	: "	: " " "
Theodolite	: ML-47	:	1	: "	: " " "
Thermometer	: ESB.Co.	:	3	: "	: " " "
Tool equipment	: TE-4	:	2	: "	: " " "
Tool equipment	: TE-5	:	6	: "	: " " "
Tool set	: TE-1	:	1	: "	: " " "
Tool set	: TE-6	:	1	: "	: " " "
Tool set	: TE-11	:	1	: "	: " " "
Tool set	: TE-14	:	1	: "	: " " "
Tool set	: TE-16	:	1	: "	: " " "
Transmitters	: T-6	:	12	: "	: " " "
Tray set	: PH-18	:	1	: "	: " " "
Trimmer	: PH-8	:	1	: "	: " " "



SIGNAL EQUIPMENT STOCK NOT INSTALLED:

NAME OF ARTICLE	: SC. TYPE	: MFG. TY. :	AMOUNT	: COND.	: REMARKS, ETC.
Tripod	: ML-78	:	1	: good	: Required at post.
Tripod	: PH-19	:	1	: "	: " " "
Tubes	: CT-1	:	6	: "	: " " "
Tubes	: VT-2	:	8	: "	: " " "
Tubes	: VT-CE-4-B:	:	4	: (3 " )	: 1 I.&I.
Tubes	: 2A5	:	1	: "	: Required at post.
Tubes	: VT-5	:	14	: "	: " " "
Tubes	: VT-22	:	6	: "	: " " "
Tubes	: VT-48	:	2	: "	: " " "
Tubes f/Hammerlund R.:	: #57	:	3	: "	: " " "
Tubes f/Hammerlund R.:	: #58	:	8	: "	: " " "
Tubes	: VT-76	:	4	: "	: " " "
Tubes	: VT-78	:	8	: "	: " " "
Tubes	: VT-80	:	4	: "	: " " "
Voltmeter	: I-10	:	1	: "	: " " "
Voltammeter	: I-50	: 280	2	: "	: " " "
Wire, ft.	: W-8	:	75	: "	: " " "
Wire, ft.	: W-29	:	120	: "	: " " "
Wire, ft.	: W-30	:	150	: "	: " " "
Wire, ft. sub for W-118:	: W-32	:	699	: "	: " " "
Wire, ft. on wooden spl:	: W-40	:	44880	: "	: " " "
Wire, ft. small coil	: W-40	:	200	: "	: " " "
Wire, ft. on spl. DR-4.	: W-40	:	32971	: "	: " " "
Wire, ft. on spl. DR-4.	: W-44	:	36960	: "	: " " "
Wire, ft.	: W-50	:	1700	: "	: " " "
Wire, ft.	: W-69	:	1500	: "	: " " "
Wire, ft.	: W-105	:	2000	: "	: " " "
Wire, ft.	: W-108	:	2000	: "	: " " "
Wire, ft.	: W-117	:	2000	: "	: " " "
Wire, ft.	: W-118	:	1301	: "	: " " "
Wire pike	: MC-1	:	2	: "	: " " "
Wrench	: LC-25	:	2	: "	: " " "
Wrench	: TL-108	:	1	: "	: " " "
Wrench	: TL-111	:	1	: "	: " " "
Wrench	: TL-112	:	1	: "	: " " "
Wrench f/headset EE-70:	:	:	2	: "	: " " "

- E N D -

HEADQUARTERS FOURTH CORPS AREA  
Office of the Corps Area Signal Officer

Post Office Building,  
Atlanta, Georgia.  
April 2, 1937.

Subject: Inspection of Signal Corps Plant in place at Fort Taylor, Fla. for the period ending December 31, 1937.

To: Signal Officer, 4th Corps Area.

Last inspection made December 27, 1934, by R. H. Krueger, 1st Lt., 13th C. A.

This inspection made March 15-19, 1937, by C. P. Bergh, Telephone Engineer, S.S. at L.

- I. Switchboard, manual.
- II. Automatic Equipment.
- III. Storage Battery
- IV. Charging Equipment and Ringing Equipment.
- V. Power Panel
- VI. Distributing Frame
- VII. Wire Chief's Test Equipment.
- VIII. Relay Rack
- IX. Records.
- X. Miscellaneous
- XI. Storeroom.
- XII. Conduit System
- XIII. Cable System.
- XIV. Poles, crossarms, etc.
- XV. Terminals.
- XVI. Wires
- XVII. Target Range Communication System.
- XIX. Telegraph Station
- XX. Fire Control System
- XXI. Radio Station
- XXII. General Information and Recommendations not included in above.

I. Switchboard, manual.

A one-position Stromberg-Carlson common battery switchboard is installed in the Fire Control Switchboard room. The switchboard is in good condition and is neat in appearance. It is not in operation except during the National Guard training season when the Fire Control-Post telephones are connected thereto. All circuits were tested out and found

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in operating condition after a number of minor adjustments and corrections had been made. The minor faults consisted in broken wires at line relay connections, dirty relay contacts, sluggish relay armatures, relay spring adjustments and burned out lamps. Drying lamp is installed in the switchboard. New cords have been requisitioned to replace poor cords on hand for the operator's sets. It is recommended that a routine maintenance test be made of all circuits in the switchboard every two or three months and that plugs and contacts be thoroughly cleaned at these tests.

II. Automatic Equipment.

None.

III. Storage Battery (Fire Control).

The storage battery is in good condition and is properly maintained. Rain water is used for refilling from evaporation. The batteries are cycle-charged, and wiring is proper. 39 BB-29 batteries are maintained in the battery room for use by the National Guard radio operations during training season.

IV. Charging Equipment and Ringing Equipment.

1. Motor Generator.

One AC-driven and one DC-driven motor generator is installed in the Fire Control Switchboard room for charging the Fire Control storage batteries. The two machines are operating properly. A DP DT switch is installed on the rear of power panel for change of charging machine to bus bars on power panel.

2. Ringing Machine and Ringing Vibrator.

None.

3. Rectifier.

A Tungar rectifier is installed in the storage battery room for charging the BB-29 batteries. This equipment is in good condition. Spare bulb is on hand.

V. Power Panel (Post Telephone System)

Power for the post telephone switchboard is furnished from the Fire Control power panel.

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VI. Distributing Frame (Post Telephone System)

In good condition. Cables and cross connecting wires are properly connected. The frame is grounded.

VII. Wire Chief's Test Equipment.

None installed. A 1407-C or similar type test cabinet is being supplied on requisition for use at the Fire Control Switchboard room. Only testing instrument available is a 50-volt megger.

VIII. Relay Rack.

Relays are mounted within the switchboard.

IX. Records.

The map of the Fire Control cable system is now being checked locally for final revision at the Corps Area Signal Office. Cable records are kept up to date. Property records are kept by personnel at the Key West Barracks and are in good order.

X. Miscellaneous.

There are no post telephone switchboard operators assigned. The post telephones are connected to the Fort Taylor-Key West Barracks tie line and calls are handled thru the switchboard at Key West Barracks. There are only a few scattered calls per day for this post. The CCC Convalescent Camp on the reservation is also connected to this tie line. This Camp is also connected to the commercial system by a line paid for by that activity. Six telephones at the cottages for visiting officers are connected to a tie line to the Key West Barracks Switchboard. The rental for this line is paid for by recreation center funds.

XI. Storeroom.

1. A munitions loading room in Battery Seminole is being used for storeroom for Fire Control telephones, headsets, switch key sets, wire and such material. This place is damp and poorly ventilated and is not suitable as a storage place for telephone equipment. Several instruments, not recently overhauled, were moldy inside and outside from dampness. Continuous exposure thereto will cause damage to coil windings and condensers and corrode wire connections and render the equipment unserviceable. It

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is recommended that a better suited location be provided for storage of the aforementioned fire control equipment.

2. In the storeroom there are 25 composite desk telephone bell sets, 6 cut out switch boxes, 6 base line switch boxes and 3 transfer switch boxes, which have been kept in storage for several years after having been removed from the Fire Control system as not further required. It is recommended that this equipment be disposed of in accordance with Army Regulations covering obsolete equipment.

XII. Conduit System.  
None.

XIII. Cable System (Fire Control)

All cables, connecting to stations and batteries which are used for exercises or other purposes, test good. The cables, except at batteries, are trenched and of the armored type.

XIV. Poles, Crossarms, etc.  
None.

XV. Terminals. (Fire Control Stations)

Sealed chamber terminals type TM-88 are installed for terminating cables in Sub Huts and at stations in use except in the Plotting room at Battery De Leon where the G.P.F. battery is generally set up during training season. Cables are potheaded at this station and connected to 21 pair and 12 pair terminal strips. The terminals are generally in a good condition and wiring properly connected.

XIV. Wires.

The wiring for post telephones is in good condition. The wiring at Fire Control stations is generally in good condition. In several stations the wires are moldy from dampness. Poor or faulty wiring is being replaced. The wires are neatly run and properly supported by knobs or rings as far as practicable.

XVII. Target Range Communication System.  
None.

XVIII. Telephone Station Equipment.

The telephones are in good operating condition and are properly installed. Protectors with proper grounding are installed where required. The telephones at Fort Taylor are connected to the post telephone switchboard at Key West Barracks, as mentioned in paragraph X above.

333.14 / 12 ✓

XIX. Telegraph Station.  
None.

XX. Fire Control System.

1. Station and Batteries.

Telephones, headsets, switch key sets and T.I. bells are installed at all stations used for drills or exercises during the training season. The equipment is being given a thorough overhauling in a workmanlike manner. Telephones and bells work properly and are properly installed and kept clean.

2. Time Interval Apparatus, Panel, etc.

In good condition and functioning properly.

3. Power Panel and Distributing Frame.

The power panel and frames are in good condition. Retard coils test good and are properly wired. Proper type fuses for the retard coil mountings are being requisitioned. The wiring at the power panel and at the distributing frame appears to be quite old but is apparently still in good working condition.

4. Meteorological Station.

The equipment for this station is kept in storage and is installed only during the summer training season. It is apparently in good condition as noted in the storeroom. There is no Fort Signal station in operation.

XXI. Radio Station.

A SCR-132 radio set and a SCR-136 set are in storage at Key West Barracks, apparently in a good condition. This equipment is set up in a room in Old B' Osceola Station during the summer training season. Antennas are set up to adjacent observation station towers.

XXII. General Information and Recommendations not included in above.

1. The post telephone accounts and records for this post are handled in connection with the system at Key West Barracks and reference is had to the inspection report for that post

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for information pertaining thereto. Two tie lines, thru the commercial system, connect this post with Key West Barracks and message rate calls to the city are handled thru the switchboard at Key West Barracks. Only one of the two tie lines is paid for by Signal Corps funds.

2. This report consists of 6 pages and is submitted in accordance with paragraph 9 b (2) AR 105-20, dated March 15, 1933.

*C. P. Bergh*

C. P. Bergh

Telephone Engineer, S.S.at L.

333.14 / 12 X

333.1

3rd Ind.

JDM/dja.

Hq. Harbor Defenses of Key West, Key West Bks., Fla., June 9, 1937.-  
TO: Commanding General, Fourth Corps Area, P.O. Bldg., Atlanta, Ga.  
Thru - Commanding General, Fourth Coast Artillery District.

Action has been or will be taken as noted - paragraphing same as in report.

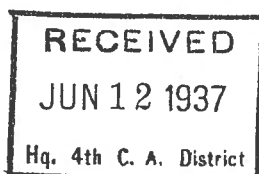
I Routine maintenance test will be made every three months and plugs and contacts cleaned.

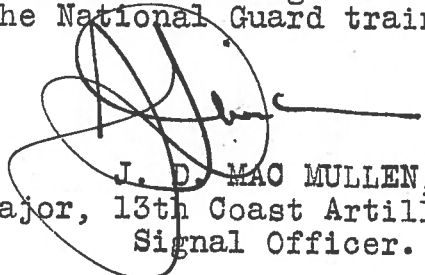
IX Check of cable records still under way. Estimated date of completion; June 25, 1937.

XI(1) This equipment will be removed to a better location at Key West Barracks upon completion of the National Guard training Camp in July, 1937, and will be completely overhauled before placed in storage.

(2) This equipment, with any other which may be found unserviceable due to fair wear and tear at the conclusion of the National Guard training camp, will be placed on I & I report.

XVI Replacement of unserviceable wiring is now under way, and will be completed prior to the National Guard training camp.



  
J. D. MAC MULLEN,  
Major, 13th Coast Artillery,  
Signal Officer.

333.1

4th Ind.

WMC/jcm

HQ. FOURTH COAST ARTILLERY DISTRICT, Fort McPherson, Georgia, June 12, 1937. -  
To: Commanding General, Fourth Corps Area, Post Office Building, Atlanta, Ga.


Attention invited to 3d Indorsement.

RECD. HQ 4th CORPS AREA

JUN 14 1937

RECD. SIG. O. 4th CORPS AREA

JUN 14 1937

  
WILLIAM M. COLVIN,  
Colonel, C. A. C.,  
Commanding.

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HEADQUARTERS FOURTH CORPS AREA  
Office of the Corps Area Signal Officer

Post Office Building,  
Atlanta, Georgia.  
April 2, 1937.

Subject: Inspection of Signal Corps Plant in place at  
Key West Barracks, Fla. for the period ending  
December 31, 1937.

To: Signal Officer, 4th Corps Area, Post Office Bldg.,  
Atlanta, Ga.

Last inspection made December 26, 1934 by R. H.  
Kreuger, 1st Lt. 13th C. A.

This inspection made March 15-19, 1937 by C. P.  
Bergh, Telephone Engineer, S. S. at L.

- I. Switchboard, manual.
- II. Automatic Equipment.
- III. Storage Battery.
- IV. Charging Equipment and Ringing Equipment.
- V. Power Panel.
- VI. Distributing Frame.
- VII. Wire Chief's Test Equipment.
- VIII. Relay Rack.
- IX. Records.
- X. Miscellaneous.
- XI. Storeroom
- XII. Conduit System.
- XIII. Cable System.
- XIV. Poles, Crossarms, etc.
- XV. Terminals.
- XVI. Wires.
- XVII. Target Range Communication System.
- XVIII. Telephone Station Equipment.
- XIX. Telegraph Station.
- XX. Fire Control System.
- XXI. Radio Station.
- XXII. General Information and Recommendations not included in  
above.

I. Switchboard, manual.

The local battery WE type 1220 D switchboard has been  
moved from the first floor of the Headquarters Building  
to the second floor directly above. A number of twisted

333.14/12 Z

333.1 Key West Barracks Fla  
1 OCCA 333.14/12-Z  
(333.333.9- Key West Bldg. (4-2-37))

pair wires are temporarily run between terminal strips on the first and second floor which were installed when the switchboard was moved. Switchboard cable is on hand to complete the connection between the switchboard and distributing frame. Minor faults in the switchboard circuits were corrected at the time of inspection. All circuits are operating properly with the exception of an open winding in a Signal relay in trunk circuit No. 1. A new relay has been requisitioned. Signal drop springs on several line circuits have poor tension and need frequent adjustments so as not to operate by slight vibration of the switchboard. The framework is in fair condition and the switchboard cables are properly formed and wires properly soldered.

II. Automatic Equipment.  
None installed.

III. Storage Battery.  
None in use.

IV. Charging Equipment and Ringing Equipment.  
None. Ringing is made by hand generator in the switchboard.

V. Power Panel.  
None.

VI. Distributing Frame.

The distributing frame is mounted in a closet under stairway to the second floor in Headquarters Building. An abandoned cable comes in to this location but is not connected to the frame. Twisted pair lines connect directly to the fused protector strips. The frame is properly wired and grounded and the protectors are in good condition.

VII. Wire Chief's Test Equipment.  
None.

VIII. Relay Rack.  
None.

IX. Records.

The map of the post system is now being brought up to date. The property records are satisfactory and telephone accounts are in order. A copy of revocable license is on file.

X. Miscellaneous.

The telephone switchboard is operated for 24 hour service by two enlisted men of the 13th Coast Artillery Regiment. Although there is a comparatively light traffic on the switchboard, it is common practice to employ not less than three operators on a switchboard for 24 hour service. No regular peg counts are made of telephone calls. A three day peg count taken at the time of inspection showed the following average number of calls per day:

Trunk calls, Key West Barracks to city	13
Trunk calls, Key West Barracks from city	12
Trunk calls, Key West Barracks to city (from Fort Taylor)	4
Trunk calls, Key West Barracks from city (to Fort Taylor)	2
Local calls, Key West Barracks only	6

There is one message rate trunk connecting with the commercial telephone system and two tie lines connecting thru the commercial system between Key West Barracks and Fort Taylor. One of the two tie lines is paid by recreation center funds and one by Signal Corps funds. Five telephones at Fort Taylor are connected to the Government paid tie line and six phones at the cottages for visiting officers are connected to the other tie line. There is also one private line direct from the city to the dental officer's quarters at the post.

XI. Storeroom.

Post telephone and radio equipment and supplies are stored properly in a storeroom of ample size.

XII. Conduit System.

None on the post.

XIII. Cable System.

The cables at this post have been abandoned.

XIV. Poles, Crossarms, etc.

Telephone system wires are attached to Quartermaster owned poles where required. No crossarms are used.

XV. Terminals.

There are no terminal boxes in use.

XVI. Wires.

The drop wiring is generally run in a neat manner. The braiding of the insulation on some of the older wiring is frayed but appears to be still serviceable. Protectors with proper grounding are installed in all lines of one or more outside spans of wire.

XVII. Target Range Communication System.  
None.

XVIII. Telephone Station Equipment.

The local battery telephones at the post are in good condition and the transmission is good. The house-wiring is generally in good condition and is properly installed.

XIX. Telegraph Station.  
None on the post.

XX. Fire Control System.  
None.

XXI. Radio Station.

There is no radio equipment installed in the radio station building. The two self-supporting 100' steel towers have recently been painted in accordance with regulations governing such structures. The frame work is bolted together. Flying hazard lights are installed and kept in operation. There is no antenna hoisting equipment installed. Pole steps are mounted on the outside faces of one of the corner angle irons on each tower. 22 of these steps on the southern tower and 18 steps on the northern tower are more or less rusted and several appear unsafe for supports in climbing the towers for maintenance purposes.

The BC-127 transmitter, when used in connection with National Guard training season exercises, is installed at Fort Taylor, approximately one mile distant, where two observation towers are used for antenna supports. The two steel towers have not been used for several years and are a source of maintenance expense. Inasmuch as the static conditions are unfavorable for low frequency transmission in this locality, and that towers of this height and construction would not be required for high frequency work, it is recommended that the towers be dismantled and disposed of as may be directed by the War Department.

XXII. General Information and Recommendations not contained in above.

1. There are 24 telephones connected to the switchboard, 11 of which are located at Fort Taylor and are connected to two tie lines. One tie line between Key West Barracks and Fort Taylor has been added since last inspection. This line is paid for by recreation center funds. Otherwise there are no changes in contracts with commercial companies. The maintenance personnel of the communications system are of the 13th Coast Artillery Regiment.
2. This report consists of five pages together with sheets Nos. 1, 2, 3, 4, 7 and 11 of WDSC Form No:72 and is submitted in accordance with paragraph 9 b (2) AR 105-20, dated March 15, 1933.

*C. P. Bergh*

C. P. Bergh,  
Telephone Engineer, SS at L.

333.1

3rd Ind.

JDM/dja.

Hq. Harbor Defenses of Key West, Key West Bks., Fla., June 9, 1937.-  
TO: Commanding General, Fourth Corps Area, P.O. Bldg., Atlanta, Ga.  
Thru - Commanding General, Fourth Coast Artillery District.

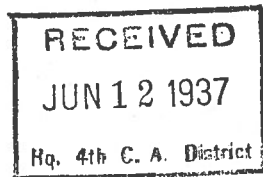
Action has been or will be taken as noted - paragraphing same as in report.

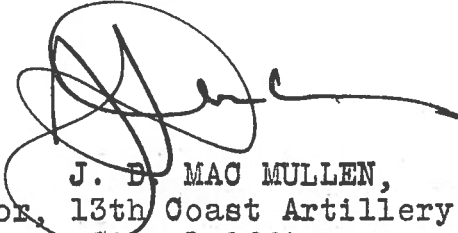
I Cable will be installed by June 25, 1937. Signal drop springs will be adjusted periodically.

IX Check of maps will be completed by June 25, 1937.

X An increase in personnel, which will make it possible to detail three operators, has been requested by the Commanding General, Fourth Corps Area.

XXI Recommendations concurred in. The pole steps on the towers are considered to be in a dangerous condition, and should be replaced at an early date if the towers are to be left standing.



  
J. B. MAC MULLEN,  
Major, 13th Coast Artillery,  
Signal Officer.

333.1 Key West


4th Ind.

WMC/jcm

HQ. FOURTH COAST ARTILLERY DISTRICT, Fort McPherson, Georgia, June 12, 1937. -  
To: Commanding General, Fourth Corps Area, Post Office Building, Atlanta, Ga.

Attention invited to 3d Indorsement.

REC'D. HQ 4th CORPS AREA  
JUN 14 1937

  
WILLIAM M. COLVIN,  
Colonel, C. A. C.,  
Commanding.

REC'D. SEC. 2. 4th CORPS AREA JUN 14 1937

333.14/12 E

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319 Key West (4-2-37)

5th Ind.


IB-rf

Hq. Fourth Corps Area, Post Office Bldg., Atlanta, Ga., June 15, 1937  
To: The Adjutant General, Washington, D.C.

1. Approved. The recommendation made in Section XXI of the report as concurred in by the Commanding Officer, Harbor Defenses of Key West relative to the dismantling of radio towers at Key West Barracks is referred for consideration and advice from the War Department.

For the Commanding General:

Received A. G. O. JUN 18 1937

  
C. C. CAVENDER,  
Captain, A.G.D.,  
Asst. Adj. Gen.

RECEIVED  
JUN 19 11 37 AM '37  
OFFICE OF THE  
CHIEF SIGNAL OFFICER

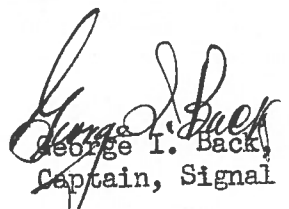
OCSigO 333.1-Key West Bks.,  
Fla. (4-2-37)

6th Ind.

War Department, OCSigO, Washington, June 26, 1937. - To the Chief of Coast Artillery.

Information is requested as to whether your office has any objection to dismantling of radio towers at Key West Barracks.

For the Acting Chief Signal Officer:

  
George I. Back,  
Captain, Signal Corps.

1 Incl.-  
WD SC Form #72  
(Sheets 1,2,3,4,7 & 11)  
Dup. copy w/d

7-6 REC'D JUN 28 1937 O.C.C.A. / Inc,

333.14 / 12 Z

333.14/12-Z

7th Ind.

War Department, Office, Chief of Coast Artillery, June 29, 1937. - To: The Adjutant General.

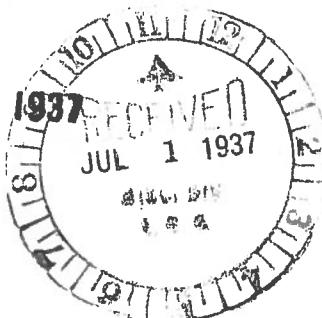
1. While it appears that these radio towers are not needed at Key West Barracks, it is thought possible that either these towers or sections thereof might be utilized to advantage to fill other needs for radio towers in the Harbor Defenses of Key West.

2. It is recommended that this communication be returned to the Commanding General, Fourth Corps Area, for statement as to whether these towers, or sections thereof, can be used to fill the requirements of the local defense project in this regard.

For the Chief of Coast Artillery:

5 Received A. G. O. JUL 1 1937

✓ 1 Incl--No change.



*J. A. Green*  
J. A. GREEN.  
Colonel, C.A.C.,  
Executive.

AG 333.9-Key West Barracks  
(4-2-37) Misc.

8th Ind.

MMS/tek

War Department, AGO, July 3, 1937. TO: the Commanding General, Fourth Corps Area.

For action as recommended in the 7th indorsement.

By order of the Secretary of War:

RECD. HQ. 4th CORPS AREA

1 Incl. n/c.

JUL 6 - 1937

*H. H. Melton Jr.*  
Adjutant General.

RECD. SIB. D. 4th CORPS AREA JUL 6 1937

333.14/12 Z



319 K.W. (4-2-37)

9th Ind.

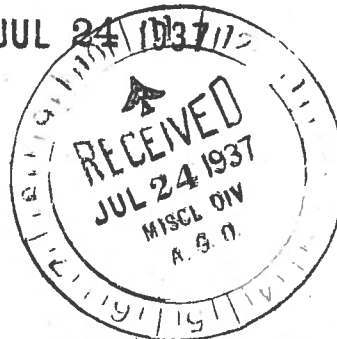
IB-md.

Hq., 4th Corps Area, Post Office Bldg., Atlanta, Ga. July 16, 1937. To: The Adjutant General, Washington, D. C.

1. Reference 7th indorsement. No use is known for these towers in part or as a whole in the Harbor Defenses of Key West. It is recommended that they be dismantled.

For the Commanding General:

10 Rec'd Back A. G. O. JUL 24 1937



*C. C. Cavender*  
C. C. Cavender,  
Captain, A. G. D.  
Asst. Adj. Gen.

AG 333.9-Key West Barracks  
(4-2-37) Misc.

10th Ind.

MMS/tek

War Department, AGO, July 26, 1937. TO: the Chief of Coast Artillery.

*P*

*✓*  
1 Incl. n/c.

*1 Inc*

333.14/12-Z

11th Ind.

War Department, Office, Chief of Coast Artillery, July 28, 1937. - To: Chief Signal Officer.

1. Referring to 6th Indorsement, hereon, the Chief of Coast Artillery has no objection to dismantling the radio towers at Key West Barracks.

2. The return of the basic report for file is requested.

For the Chief of Coast Artillery:

*J. A. Green*  
J. A. GREEN,  
Colonel, C.A.C.,  
Executive.

1 Incl.

RECEIVED  
JUL 30 2 57 PM '37  
OFFICE OF THE  
CHIEF SIGNAL OFFICER

333.14/12 Z

OCSigO 333.1-Key West Barracks, Fla. 12th Ind.  
(4-2-37)

6

War Department, OCSigO, Washington, August 10, 1937. - To the Chief  
of Coast Artillery.

1. Action is being taken by separate correspondence to  
dismantle the radio towers now installed at Key West Barracks, Fla.,  
as recommended in the preceding ninth indorsement.

2. The basic report is returned herewith for the files of  
your office.

For the Acting Chief Signal Officer:

*William P. Pence*  
William P. Pence,  
Captain, Signal Corps.

1 Incl. - No Change.

*7* *THURSDAY* *AUG 11 1937* *3:30 PM* *Inc*

*m*  
*jt*

*File*  
*HT*

333.14/12 R

OFFICE OF THE CHIEF OF COAST ARTILLERY

RECORD OF COMMUNICATION RECEIVED.

From: O.S.O., 4th Corps Area. (C.P.Bergh, Telephone  
Engr., S.S.atL.)

Dated: Apr .2/37

To: S.O., 4th C.A.

Recd. OCCA: June 28/37

Subject: Inspection of Signal Corps Plant in place at Key West  
Barracks, Fla., for the period ending Dec. 31, 1937.

This inspection made March 15-19, 1937 \*\*\*\*\*  
\*\*\*\*\*

XXI. Radio Station.

There is no radio equipment installed in the radio station building. The two self-supporting 100' steel towers have recently been painted in accordance with regulations governing such structures. The frame work is bolted together. Flying hazard lights are installed and kept in operation. There is no antenna hoisting equipment installed. Pole steps are mounted on the outside faces of one of the corner angle irons on each tower. 22 of these steps on the southern tower and 18 steps on the northern tower are more or less rusted and several appear unsafe for supports in climbing the towers for maintenance purposes.

The BC-127 transmitter, when used in connection with National Guard training season exercises, is installed at Fort Taylor, approximately one mile distant, where two observation towers are used for antenna supports. The two steel towers have not been used for several years and are a source of maintenance expense. Inasmuch as the static conditions are unfavorable for low frequency transmission in this locality, and that towers of this height and construction would not be required for high frequency work, it is recommended that the towers be dismantled and disposed of as may be directed by the War Department.

\*\*\*\*\*

1 incl.

S.C. Form 72, Sheets 1-4, 7 & 11.

\*\*\*\*\*

333.1 3d Ind., June 9/37  
C.A., thru C.G., 4th C.A.D.

S.O., H.D. of Key West, to C.G., 4th

\*\*\*\*\*

XXI. Recommendations concurred in. The pole steps on the towers are considered to be in a dangerous condition, and should be replaced at an early date if the towers are to be left standing.

\*\*\*\*\*

333.14/12 Z

( OVER )

319 Key West (4-2-37)

5th Ind., June 15/37

C.G., 4th C.A. to T.A.G.

1. \*\*\*\*\*. The recommendation made in Section XXI of the report as concurred in by the Commanding Officer, Harbor Defenses of Key West relative to the dismantling of radio towers at Key West Barracks is referred for consideration and advice from the War Department.

Informally from AGO to CSO.

OCSigO 333.1-Key West Bks., Fla. (4-2-37)

6th Ind., June 26/37

Actg.C.S.O. to C. of C.A.

Information is requested as to whether your office has any objection to dismantling of radio towers at Key West Barracks.

(7)

POST OR FORT Harbor Defenses of  
Key West.

DESCRIPTIVE DATA RECORD  
OF  
SIGNAL CORPS PLANT IN PLACE

This report consists of sheets 1, 2, 3, 4, 7 and 11.

Rendered by

C. P. Bergh

Rank Telephone Engineer, SS at L.

Date April 2, 1937.

L. O.C.C.A. 333.14/12.7  
Sheet 1

333.14/12.7  
L.O.C.C.A.

## REPORT OF SIGNAL CORPS PLANT IN PLACE

1. This form is to be completed by the inspector and used for reporting the Signal Corps equipment installed at Government-owned telephone and telegraph systems, fire-alarm and fire-control systems at the time the annual inspection of the system is made by the inspector designated by the department or corps area commander for that duty. The officer in charge of the system will assist the inspector in making out this form by giving him facts and data he may have on record that relate to the equipment to be reported.

2. No sheet of this form, except the title sheet and sheet 11, which should be prepared each time an inspection is made, need be made out when a similar sheet submitted within the preceding three years contains the required data and there have been no changes in the data previously submitted. Where a new sheet is made out, it should be complete for all headings, even though no changes have been made under some of the headings since the last inspection.

POST OR FORTH.D. of Key West, Key West, Fla.

Date April 2, 1937.

## TELEPHONE SWITCHBOARD

(Use another sheet for fire-alarm or separate fire-control switchboards)

The switchboard was received at post

and set up in Bldg. 40, Mar. 1924, was

Date installed moved to Bldg. 49 and made

semi-active 1932; 24-hour service 1937.

Manufacturer Western Electric Co.

Manufacturer's type #1220-D

Manufacturer's Serial No. 915-391-US-1

Signal Corps Serial No.

Order number and date 140287-1924

Common battery or magneto? Magneto

Multiple or nonmultiple? non-multiple

Number of panels to a multiple

Number of positions one

Cord pairs per position 15

Common battery lines wired none

Common battery lines equipped none

Magneto lines wired 45

Magneto lines equipped 45

Trunk circuits wired 5

Trunk circuits equipped 5

Operating voltage 12

Distance telephone system is outside B. R. area of telephone company None, inside B.R.

Trunk loop resistance in ohms 39.78

Are line cables to switchboard under floor or on overhead rack?

If multiple switchboard, do cables from switchboard double at R. R. or distributing frame? overhead

Are all positions equipped for service?

Is switchboard used as attendant's cabinet of an automatic system? No

Location of switchboard Post Hq. Bldg. #49

Drawing number and date of face and rear equipment layout... None

## SWITCHBOARD CIRCUIT DRAWINGS

Name of circuit	Number and figure	Name of circuit	Number and figure
Line circuit	T-82735	Generator circuit T-80032 and	T-80030
Cord circuit, local	T-401868	Operator's circuit	none
Cord circuit, universal		* Trunk circuit	none
Pilot circuit	None	Other circuits Protector frm.	T-75731
Fuse alarm circuit	None	Protector Fr. #1430	T-75732
Night alarm circuit	T-79881	Grounding Circuit	
Dial circuit	None	* Special as per let. Sig. O. 4th CA and	
Drawing number and date showing central office layout. None approved by CSO 8-5-34			

FOR FORT Key West Barracks, Key West, Fla.

Date April 2, 1937

## SWITCHBOARD CABLE

Pairs	Manufacturer's code	Signal Corps type	Connects what apparatus	Average length per run	Number of cables
21	30-C	Similar to WC-504	Switchboard to Distrib. Frame	50'	2

## CORD CIRCUITS

Apparatus	Manufacturer's code	Apparatus	Manufacturer's code
Cap, lamp, green	None	Relay, supervisor, answering	None
Cap, lamp, red	"	Relay, supervisor, calling	"
Cap, lamp, white	"	Relay	"
Capacitator	"	Relay	"
Coil, repeating	"	Signal Supervising	34-C
Cord, connecting	CC-53	Socket, lamp	
Key, ringing and listening	Special 164-A	Weight, cord	116
Key, listening		Apparatus not listed:	
Key, ringing		Plates mounting	90-C
Plug, cord	47-A		

## OPERATOR'S TELEPHONE CIRCUIT

Apparatus	Manufacturer's code	Apparatus	Manufacturer's code
Coil, induction	#23	Key, operator's switching	none
Coil, repeating		Receiver	128-W
Coil, retardation		Relay	
Capacitator		Plug, operator's set	WE #136
Cord, breast set	None	Transmitter	232-W
Cord, receiver	369 WE	Apparatus not listed:	
Cord, transmitter	437 WE	Transmitter arm	WE #19-C

ST OR FORT

Key West Barracks, Key West, Fla.

Date April 2, 1937

## AUXILIARY SIGNAL, FUSE ALARM, NIGHT ALARM, TEST, DIAL, GENERATOR, AND MISCELLANEOUS CIRCUITS

Apparatus	Manufacturer's code	Apparatus	Manufacturer's code
Bell, night alarm (15 ohm)	10-B	Lamp, pilot	
Buzzer, fuse alarm		Lamp, resistance	
Buzzer, night alarm		Receptacle	
Cap, lamp, green		Relay, fuse alarm	
Cap, lamp, red		Relay, night alarm	
Cap, lamp, white		Relay, pilot	
Coil, retard, dial cct		Relay	
Capacitor, signal cct		Resistor, generator	5-AJ
Capacitor, dial cct		Resistor, _____ ohms, test cct	
Fuse, 1½ amperes		Resistor, _____ ohms, test cct	
Fuse, _____ amperes		Resistor, _____ ohms, test cct	
Generator, hand (5-Bar)	48-H	Ringer (buzzer), gen. cct	2-D
Switch ringing cct	WE #272-A	Socket, lamp	
Key, dial switching cut		Apparatus not listed:	
Key, generator switching		Generator extension shaft per Spec. D-5731 length 1' 4¼" from shoulder to shoulder.	
Key, generator reversing			
Key, night alarm	406-A		

## LINE CIRCUITS

Apparatus	Manufacturer's code	Apparatus	Manufacturer's code
Cap, lamp, red		Relay, line	
Cap, lamp, green		Signal, magneto 45	WE #22-C
Cap, lamp, white		Socket, lamp	
Jack, line	156	Apparatus not listed:	
Lamp, line		Apparatus blanks(11)	WE #28-A
Relay, cut-off			



ST OR FORT Key West Barracks, Key West, Fla. Date April 2, 1937

TRUNK CIRCUITS

Apparatus	Manufacturer's code	Apparatus	Manufacturer's code
Cap, lamp, busy.....		Relay, cut-off.....	
Cap, lamp, trunk.....		Relay, ring-up.....	
Capacitor.....	20-21-K	Relay.....	
Capacitor..... 5-2 mf	WE #21-L	Relay.....	
Coil, impedance (retard).....		Relay.....	
Coil, repeating... (5)	WE #27-A	Signal jack and drop KS&S Co. type 112-E	
Coil, resistance.....		Socket, lamp.....	
Jack, line.....		Apparatus not listed:	
Jack, night.....	6		
Key, dial.....			
Key.....	406-A		

WIRE CHIEF'S TESTING SET

NONE

Date installed.....	Manufacturer's type of voltmeter.....
Manufacturer and code number.....	Range of voltmeter.....
Location.....	Circuit dwg. number and date.....
	Remarks.....

CHIEF OPERATOR'S DESK

NONE

		Number installed
Date installed.....	Monitor ccts.....	
Manufacturer and code number.....	Inc. trk. ccts.....	
Cct. dwg. number and date.....	Outgoing trk. ccts.....	
Remarks.....	Cord ccts.....	

TARGET RANGE SYSTEM  
(Give approximate lengths of cable installed) NONE

Cable	Gage	Armored	In duct	Cable	Gage	Armored	In duct
100-pair.....				15-pair.....			
75-pair.....				10-pair.....			
50-pair.....				Other sizes.....			
25-pair.....							

Drawing number and date of target range system.....

ST OR FORT Key West Barracks, Key West, Fla. Date April 2, 1937

DISTRIBUTING FRAME AND PROTECTING EQUIPMENT

Wall or floor type? Floor	Manufacturer Western Elec. Co.
Number of verticals 2	Manufacturer's type W.E. #1420-B
Capacity, protector (vertical) side 100	Order number and date
Protectors equipped 45	Assembled 1924 and held inactive
Capacity, strip (horizontal) side	Date installed until 1932
Terminal strips equipped	Date additions made
Fuse protector capacity (pairs) 60	Drawing numbers and dates showing layout of frame
Fuse protectors equipped 60	T-75731, Oct. 11, 1916
Do outside lines connect to protectors, fuses, or terminal strips? Connect to fuse strip	Remarks

Apparatus	Manufacturer's code	Apparatus	Manufacturer's code
Block, protector, bottom	WE #1	Strip, terminal, 2-point	
Block, protector, top	WE #2	Strip, terminal, 3-point	
Coil, heat	73-A	Strip, terminal, 4-point	
Dielectric (Mica)	7-A	Strip, terminal, 5-point	
Fuse, _____ ampere	1435 Panel	Test cord, _____ feet	
Protector group	WE #3	Test shoe	
Ring, jumper			

RELAY RACK NONE

Manufacturer	Date installed
Height	Drawing number and date showing layout
Number of bays	Remarks
Relay mounting capacity per bay	

COIL AND OTHER RACKS NONE

Manufacturer	Mounts what equipment?
Coil capacity	
Per cent equipped	

FIRE CONTROL DISTRIBUTING FRAMES NONE

Type	Location	Number installed	QUANTITIES OF EQUIPMENT					
			Coils	12 pr. strips	21 pr. strips	TM-88 terms.	Jack panels	T. I. panels

[illegible]

FIRE-CONTROL SYSTEM		NONE		663.10	
	Value		Value		Value
Cables and conduit system	\$	Telephone and other equipment	\$		
F. C. power equipment	\$	TOTAL	\$		
TRUNKS AND TIE LINES					

[illegible]

STATION EQUIPMENT		GOVERNMENT OWNED			Privately owned
Manufacturer	Dial type	Nondial	Extension bell	L. R. bell	
Western Electric Co.					
Telephones					
Desk C.A.T.					
Desk		1			
Hand set		3			
Wall					
TOTAL		20			
		24		2	
				2	

Class A telephones are for

LIST OF TELEPHONES

**LIST OF TELEPHONES**

Class A telephones are for official use only and have access to city trunks.  
 Class B telephones are authorized trunk connections for personal use.  
 Class C telephones are not permitted city trunk connections.

Class	A	3
"	B	16
"	C	5

Class C telephones are not permitted city trunk connections.

Class C telephones are not permitted city trunk connections.

Telephone number	Listing	NUMBER INSTALLED

U. S. GOVERNMENT PRINTING OFFICE: 1934

9  
file 1001

WAR DEPARTMENT  
OFFICE OF THE CHIEF OF COAST ARTILLERY  
WASHINGTON

March 23, 1925.

Subject: Training Inspection of the Coast Defenses of Key West,  
made pursuant to A.R. 265-10.

To: Chief of Coast Artillery.

I. This inspection was made on February 21, 1925 and was the first training inspection made of the command. Major E. A. Stockton, Jr., C.A.C., visited this coast defense command on February 16, 1924, and his report is found under 333.13/I-12 (OCCA).

II. The Coast Defenses of Key West are commanded by Captain J.J. Maher, C.A.C., and are garrisoned by a caretaker detachment of 14 members of Battery "E", 13th Coast Artillery. 2d Lieut. W. L. Johnson, C.A.C. is on duty with the caretaker detachment.

III. SCOPE AND RESULTS OF INSPECTION -

1. Programs and Schedules. - No programs and schedules of training are required by higher authority as the mission of the personnel of this battery is primarily to care for the seacoast armament.

2. Troop Training. - The caretaker detachment receives training in Infantry, in riot duty, in the operation of a machine gun, automatic rifle, and in gunners instruction. They were inspected in heavy marching order; in riot duty; machine gun and automatic rifle drill; and presented a good appearance and were well trained in these subjects. Lieutenant Johnson is being given instruction in those subjects covered by the basic unit schools. Captain Maher acts as instructor in these subjects. The enlisted personnel are being instructed in gunners schools.

3. War Plans and projects. - An examination was made of the following plans and projects -

a. Mobilization Plans, 1924.

b. The seaward and landward defense plans and project are not complete nor are they edited in one publication for ready reference similar to the mobilization plans.

c. The mine project has been discontinued.

333.13 / 12 C

O. C. C. A. 333.13/12C

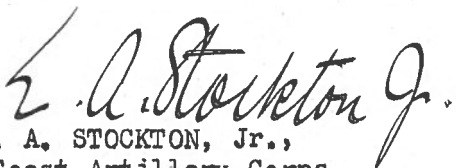
4. Battery administration and condition of barracks. - The quarters and barracks in the post of Key West Barracks are sadly in need of paint and repair. Every effort has been made by the caretaker personnel to care for the post. The grass is cut, roads and walks are well policed, the post cemetery is in good shape, and every effort is being made to keep up appearances. The detachment appears to be contented and the morale of the personnel is high. The cantonment buildings at Fort Taylor are practically gone. The roofs leak, the floors have rotted out, and in general, these temporary buildings are beyond repair. The internal administration of the caretaker detachment appears to be satisfactory. The majority of the men are married and a small mess is run for those men living in barracks.

IV. INSPECTION OF ARMAMENT -

A thorough inspection was made of all batteries, power plants, fire control stations, store houses, etc. The batteries and artillery equipment are in very good shape, well painted, and well cared for. Certain modifications are being made on ammunition which is stored in the batteries. The emplacements are well policed. All power plants were running at the time of the inspection. The store houses are in very good condition.

V. CONCLUSIONS --

The training of the personnel is in conformity with War Department instructions and is satisfactorily carried out.

  
E. A. STOCKTON, Jr.,  
Major, Coast Artillery Corps.

OFFICE OF THE CHIEF OF COAST ARTILLERY

Inspection data  
pertaining to the inspection of

13th Coast Artillery (HD)

Harbor Defenses of Key West,  
Key West Barracks, Fla.

Inspection by Maj. Gen. Andrew Hero, Jr.

On April 21, 1928

0534v

333.13/12D

## CONTENTS

- I. Training.
- II. Materiel.
- III. Personnel.
- IV. Mobilization and War Plans.
- V. Irregularities and deficiencies noted.
- VI. Allowances.

Questionnaire intended to cover active harbor defenses and stations and also those under care of caretaker detachments. Section II; Par. 1, 3 and 4 of Section III; and Sections V and VI apply to the latter. Strike out items which do not apply.

333, 13/12D

I. TRAINING.

1. Are training programs and schedules prepared as required by existing regulations.

a. Annual programs.

b. Periodical programs.

c. Weekly schedules.

*no training schedules  
only weekly work schedules*

2. Does the annual program include:

a. Mission of training for the entire period.

b. Instruction mission.

*does not apply*

c. Objective of training for the different periods of the training year.

d. Are the following subjects covered in the program -

(1) Artillery drill -

(2) Artillery target practice -

(3) Command post drill -

*not applicable*

33 3, 13/12D



(4) Schools:

(a) Unit school for officers.

(b) Troop school for officers.

(c) Troop school for soldiers.

(d) Vocational schools.

*does not  
apply*

(5) Gunners' instruction and examination.

*None*

3. a. Is the fire control section of each battery properly trained.

b. Are the gun sections of each battery properly trained.

4. a. How much time is devoted to subcaliber firing.

b. Are drills and subcaliber firings analyzed.

c. Are all officers instructed in the analysis of drill and subcaliber practice.

d. How many men is it necessary to obtain from other batteries in order to man the number of guns required by CAM No. 7 as amended.

e. Has each battery a fire control section composed of men entirely from own battery.

333,13/12D

- f. What subjects are covered in troop schools for officers.
- g. What subjects are covered in troop schools for soldiers.
- h. Are training regulations used for text books in troop schools.
- i. What use in troop schools is made of the correspondence courses prepared for Reserve Officers.
- j. Are training regulations available for use by the soldiers.
- k. Is gunner's examination concluded. What percent qualified as expert, 1st class and 2d class gunners.
- l. What percent of the soldier personnel attend artillery instructions daily.

None

333,13/12D

## II. MATERIEL.

	In Service	Under Caretaker detachment	Condition - To be filled in By Inspector
1. Gun and carriage	<i>none</i>	Yes	<i>Satisfactory Caretaking status.</i>
2. Emplacements & hoists	<i>"</i>	Yes	<i>"</i>
3. Grounds.		Yes	<i>at Key west Bk and Fort Taylor neat and clean</i>
4. Ammunition and magazines, including railway ammunition cars		Yes	<i>Satisfactory</i>
5. Tools and accessories.		Yes	<i>on hand OK.</i>
6. Fire control equipment (including railway fire control cars, if any)		Yes	<i>Stored</i>
7. Power plants.		Yes	<i>Function properly Satisfactory as to power and appearance</i>
8. Communication installa- tion or equipment.	<i>none</i>	Yes	<i>Equipment stored Cable OK.</i>
9. Radio stations, radio trucks and equipment.	<i>none</i>	Yes.	<i>Equipment stored</i>
10. Meteorological stations.		Yes	<i>equipment stored</i>
11. Tide station.		Yes	<i>OK.</i>
12. Cars, trucks and motorcycles.	<i>None</i>	<i>none</i>	

333,13/12 D

## II. MATERIEL (continued)

	In Service	Under Caretaker Detachment	Condition - To be filled in By Inspector
13. Artillery tractors	####	Yes	Satisfactory
14. Searchlights, fixed		Yes	5 - all in good condition all operated
15. Searchlights, mobile	None	none	—
16. Mine command cable tanks.	No mine command		
17. Store rooms and case- mates		<del>yes</del> none	
18. Boats and boat houses	<del>yes</del>	none	
19. Mine planters & wharves	None		
20. Records - A. Port record book		yes	up to date as far as possible
B. Mine command record book.		none	
C. Battery emplacement book			up to date Satisfactory
D. Gun books, (mobile units)		yes 4	Complete —

333,13/12D

III. PERSONNEL.

1. Appearance in general -

a. Officers (to be filled in by Inspector)

*Excellent*

b. Soldiers (to be filled in by Inspector)

*Satisfactory.*

2. Ceremonies, inspection and review (to be filled in by Inspector)

*none; inspected detachment in ranks.*

3. Quarters (to be filled in by Inspector).

*In good shape; 1 barrack in very good condition throughout. Needs painting.*

4. Caretaker detachments.

a. How many men in detachment.

Authorized Strength 29

Actual Strength 27 (less 2 in hospital)

b. Average number present for duty.

26

c. Is a guard maintained - sentries or watchmen.

One night-watchman

d. Are quarters satisfactory.

Satisfactory, but badly in need of paint and other repairs

e. Are mess arrangements satisfactory.

Yes

f. Were all members of detachment given an opportunity to qualify as gunners. Will be on or before May 31, 1938

333.13/12D

IV. MOBILIZATION AND WAR PLANS.

1. Are mobilization plans up to date.

*up to date*

2. Are seaward and landward defense plans up to date.

*in good shape under old mob. plan  
old 1925*

3. What percent of the armament can be manned by present strength personnel so as to deliver fire on naval or aerial targets -

For day firing.

*possibly 1 3-inch gun*

For night firing.

4. How many reserve officers are assigned -

To active units.

*none*

To inactive units.

*none*

V. IRREGULARITIES AND DEFICIENCIES NOTED (To be filled in by Inspector)

*none noted.*

333.13/12D

VI. ~~COMMENTS.~~

1. Are allowances pertaining to the maintenance of artillery and auxiliary equipment sufficient to maintain all equipment in serviceable and attractive condition. Allowances - Yes. Personnel inadequate.

Note exceptions.

*at least two more  
men required.  
rec. of A.D. Comdr*

2. Are authorized allowances properly recieved.

Yes

Note exceptions.

333, 13/12D

# Inspection Data.

Gun, Cal.No. :	Battery.	L.Cleaned, paint'd	Lub.&.Greased	Recoil Exercised.
3" Saluting.				
133	: Ft. Taylor	: Sept. 26, 1927	: monthly.	: Oct. 10. 1927
278	: Barracks	: Sept. 26, 1927	: monthly.	: Oct. 10. 1927
3" Gun, M1903: Immann				
63	: Immann	: March 14, 1928	: monthly.	: Jan. 18, 1928.
64	: Immann	: March 14, 1928	: monthly.	: Jan. 18, 1928.
3" Gun, M1903: Ford				
74	: Ford	: March 16, 1928	: monthly.	: Jan. 18, 1928.
72	: Ford	: March 16, 1928	: monthly.	: Jan. 18, 1928.
3" Gun, A. A.				
53	: Ft. Taylor	: March 19, 1928	: monthly.	: Jan. 18, 1928.
52	: Ft. Taylor	: March 19, 1928	: monthly.	: Jan. 18, 1928.
155mm, M1918				
432	: Ft. Taylor	: Oct. 5, 1927	: monthly.	: Jan 9, 1928.
971	: Ft. Taylor	: Oct. 5, 1927	: monthly.	: Jan 9, 1928.
440	: Ft. Taylor	: Oct. 5, 1927	: monthly.	: Jan 9, 1928.
256	: Ft. Taylor	: Oct. 5, 1927	: monthly.	: Jan 9, 1928.
10" Gun, M1888:				
46	: De Leon	: Nov. 15, 1927	: monthly.	: April 26, 1927.
64	: De Leon	: Nov. 15, 1927	: monthly.	: April 26, 1927.
65	: De Leon	: Nov. 15, 1927	: monthly.	: April 26, 1927.
34	: De Leon	: Nov. 15, 1927	: monthly.	: April 26, 1927.
12" Gun, M1888: Osceola				
23	: Osceola	: Nov. 18, 1927	: monthly.	: Jan. 19, 1928.
39	: Osceola	: Nov. 18, 1927	: monthly.	: Jan. 19, 1928.
12" Mortar				
26	: Seminole	: Nov. 24th 1927	: monthly.	: June 1927.
24	: Seminole	: Nov. 24th 1927	: monthly.	: June 1927.
44	: Seminole	: Nov. 24th 1927	: monthly.	: June 1927.
40	: Seminole	: Nov. 24th 1927	: monthly.	: June 1927.

*George R. R.*  
*Captain 13th Lt.*

333.13/12 D



HEADQUARTERS HARBOR DEFENSES OF KEY WEST  
OFFICE OF THE COMMANDING OFFICER,

Key West Barracks, Fla.  
April 20th, 1928.

SCHEDULE OF INSPECTION

For Major General Andrew Hero,  
of Fort Taylor, Martello Towers and Key West Barracks,  
on Saturday, April 21, 1928:

(See attached map)

FORT TAYLOR

Enter United Street Gate.

1. Searchlight # 3 and K.W.Set. (L)
2. 3" Anti-Aircraft Battery (R)
3. Battery Mahlon Ford 2-3" Guns.
4. Battery DeLeon 4-10" D.C.Rifles.
5. Powder and Projectile rooms Hoists, etc.
6. Oil and storage houses and K.W.Set.
7. Target Range.
8. Searchlight # 2 and K.W. Set.
9. Battery Osceola 2-12" B.C.Rifles.
10. Saluting Gun.
11. K.W.Set, Powder and Projectile rooms, Hoists, etc.
12. 4-155 m/m Mobile guns.
13. Storerooms, powder and primers, fire control instruments.
14. Searchlight # 1.
15. Ordnance Storehouse and Machine Shop.
16. Mine Storeroom and K.W.Set for Searchlight # 1/
17. Fire Command Station Tower.
18. Fire Control Switchboard Room.
19. Battery Seminole, 4-12" Mortars (2 pits).

WEST MARTELLO TOWER (Enter White St. Gate)

1. Searchlight # 5 and K.W.Set.
2. Battery Inman, 2-3" guns.
3. Searchlight # 4 and K.W.Set.
4. B" Stations.

KEY WEST BARRACKS

1. Ride around barracks coming in at Fleming St. gate, thence south by enlisted mens' quarters, to stables and carpenter shop; to Q.M.Storehouses; to Officers Quarters #3; to Commanding Officers' Quarters.
2. Inspection of Battery "E" 13th C.A. in ranks if desired.

EAST MARTELLO TOWER

1. Old Fort.
2. Air Field.

*Schedule followed completely*  
*AMF*

For the Commanding Officer:

*Ernest B. Thompson*  
Ernest B. Thompson,  
1st Lieut., 13th C.A.,  
Adjutant.

SEAL:

333.13/12D

General impressions

Key West

Whole place greatly improved. Looks neat and clean. Buildings need painting and some repairs. Past difficulties have all disappeared; garrison seems harmonious and contented. Batteries and installations in good caretaker condition: mushroom heads (and in some cases breech blocks) out, armament slushed with white lead compound. Guns etc. well painted. Most of fire control equipment, and position finding equipment, in storage. Petty thievery very common; not enough men to guard everything. Searchlights and power plants in good condition as to appearance and functioning. Storerooms in good order.

333.13/12D

In reply  
refer to:  
319.2 - Fort Taylor

AJ:3.6

HEADQUARTERS FOURTH CORPS AREA  
Office of the Corps Area Signal Officer.

Post Office Building,  
Atlanta, Georgia.  
September 22, 1941

Subject: Inspection of Signal Corps Plant in Place  
at Fort Taylor, Florida, Harbor Defense for  
City of Key West, for the calendar year 1941.

To: Signal Officer, Fourth Corps Area, Post Office Building,  
Atlanta, Georgia.

Last inspection made March 22, 1939 by W. R. Taylor, Elec. Engineer, S.S. at  
L.

This inspection made September 3, 1941 by Charles F. Robinson, Asst. Elec.  
Engineer, S. S. at L. in accordance with letter this Headquarters dated  
August 9, 1941.

1. Switchboard Manual

The one-position, common battery, Strongberg-Carlson Telephone Switchboard for Fort Taylor was installed in 1922. The switchboard has a capacity of 100 lines, with equipment for 50 lines and 10 trunks. It is located in a bomb proof room in the mortar battery. Through lack of use and care, the equipment is deteriorating. The switchboard is only put in operation during training periods and for armament inspections. Elsewhere in this report, recommendations concerning switchboard equipment will be made.

II. Automatic Switchboard Equipment - None

III. Storage Battery

The Storage Battery consisting of 15 cells, manufactured by the Electric Storage Battery Company, is installed on rack in a room adjacent to the Fire Control Switchboard room. The battery has a capacity of 120 ampere hours, and was reconditioned in 1934. As the Post Telephone Switchboard is inactive, there is no drain on battery other than during training periods when armament in in operation. To determine the condition of the battery the Artillery Engineer, Fort Taylor, has instructed that daily battery readings be taken and recorded on form provided for that purpose. Tests of voltage and specific gravity by the Inspector indicates the battery at present time is in good condition.

IV. Charging and Ringing Equipment

1. Motor Generators

Two motor generators are provided for charging the storage battery.

The equipment is manufactured by Burke Electric Company and it was installed in 1922. One of the sets operates on A.C. current, while the other is D. C. driven. Tests conducted indicate the equipment is not in a serviceable condition. The A. C. motor failed to start due to defective fields. The D.C. motor was very noisy, indicating badly worn bearings. Other items of charging equipment are in need of a general overhauling, as for instance, circuit breaker and rheostat should be cleaned to remove heavy layer of paint, et cetera.

## 2. Ringng Machine

There is no ringng machine provided for the Fort Taylor Administrative Telephone Switchboard installation. Telephone bells are rung from hand generator. In the event the switchboard is put on active daily service, it is recommended a sub-cycle ringng converter be installed.

## 3. Rectifier

A Tungar Rectifier is installed in battery room adjoining Fire Control room. The rectifier is used for charging of Fire Control battery. The equipment is working satisfactorily. There are spare bulbs on hand for replacement.

## V. Power Panel

No separate power panel installed for Post Administrative Telephone Plant, the Fire Control Power Panel being utilized (See paragraph XX).

## VI. Distributing frame

Distributing frame for Post Telephone System consists of a wall type #1430, manufactured by Western Electric Company. The frame is equipped with 60 each protectors Type W.E. Co.'s #1269A and 3 each terminal strips Type #1435R. Switchboard cables are connected to terminal strips. The switchboard room in which equipment is installed is erected near sea level where salt air and humidity have had a corrosive effect on metal parts of protector equipment.

## VII. Wire Chief's Test Equipment

The wire Chief's test cabinet, formerly installed on this system, has been transferred to Key West Barracks Telephone Plant. It is intended to replace testing equipment, when new cabinet is received. The testing equipment is in good condition.

## VIII. Relay Rack - None

Line Relays are mounted on frame inside of switchboard.

## IX. Records

1. Maps indicating outside cable plant, Fort Taylor, are not

available to maintenance force. A Schematic diagram of cable system should be provided for maintenance purposes. Post telephone circuits are routed through Fire Control cables. The maps of cable system, Fort Taylor, are in need of a general revision. The Inspector has secured data on cable changes and corrections. Map revision will be made at Fourth Corps Area Headquarters, Atlanta, Ga. Copies of corrected plant map will be forwarded for file to Fort Taylor.

2. Cable pair record, Form WD-SC No. 1160, is not kept at Fort Taylor. A card record indicating pair and cable assignment is on file at Fire Control Switchboard. It is recommended Signal Corps Form No. 1160 be provided.

3. Line record cards, Form WD-SC No. 1156, are not kept. It is recommended a sufficient number of these forms be requisitioned in order to provide data for each telephone installed.

X. Miscellaneous remarks relative to Central Office.

As mentioned in a previous paragraph, the common battery switchboard intended for Post Administrative telephone communication, Fort Taylor, is inactive. Fourteen telephones at this Post are now connected to the Key West Barracks telephone system over five rented circuits. Two of these circuits contain 8 magneto telephones. The service over this magneto equipment is poor. In the event additional soldier personnel is quartered at Fort Taylor increased telephone facilities will be required. It is recommended when and if additional troops are quartered at Fort Taylor that arrangements be made to provide telephone service over existing idle switchboard. The magneto circuits at Fort Taylor now working through the Key West Barracks Telephone Plant to be transferred to the Fort Taylor switchboard.

XI. Storeroom and Supplies - None

Telephone maintenance material, Fort Taylor, is stored at Key West Barracks storeroom.

XII. Conduit System - None

XIII. Cable System

No cable plant constructed for Post Telephone System. Administrative telephones are connected through Fire Control System cables (see paragraph XXII).

XIV. Poles and Crossarms

Poles supporting Signal Corps wires are property of Quartermaster. There are no crossarms.

XV. Terminals (See Paragraph XXII).

XVI. Wires

Other than drop wires, no aerial construction at Fort Taylor.

XVII. Target Range System

Communication for Target Range is accomplished by stringing field wire on ground and using Field telephones. The service rendered is said to be satisfactory.

XVIII. Telephone Station Equipment

Telephone station equipment, other than the magneto equipment, installed on two rented line circuits, is of late design and in good condition. In the event magneto circuits are replaced with common battery, additional common battery telephone will be required.

XIX. Telegraph Station - None

Telegraph service is provided by telephoning commercial companies in City of Key West. The service rendered is said to be satisfactory.

XX. Fire Control Switchboard room equipment.

1. Switchboard

The general appearance of switchboard room is good. At time of inspection, equipment was in full operation as there was Record Firing of Armament. The Fire Control Switchboard room equipment, other than that mentioned in previous paragraphs, relating to charging equipment, from all indications operated satisfactorily.

2. Main frame or corss-connecting panels

The cross connecting panel is erected in rear of switchboard, cross connecting wiring is of moisture proof type and while very old is still serviceable. Records of cable terminal cross connections are in need of corrections.

3. Time Interval Panel

Time Interval apparatus was in operation at time of insepction. The apparatus was accurate, indicating adjustment and equipment were in good condition. There is no replacement, however, for time interval apparatus in case of failure. Time interval circuits on power panel were properly fused.

XXI. Fire Control Stations and Battery Equipment.

1. Station equipment has been removed and stored from inactive battery, Seminole. Station equipment formerly installed in plotting room, for DeLeon, which also is on the inactive status, has been moved to building in rear of GPF armament. The wiring to new plotting room is of a temporary nature. Twisted pair wire in cable form is supported on iron guard rail of battery DeLeon. Temporary twisted pair circuits are also strung from Battery Ford replacing defective one pair cables. Minor miscellaneous repairs to stations were repaired at time of inspection.

2. Battery equipment covered in Paragraph III, above.

3. Signal Station - None.

Reference is made to W. D. Circular #10, dated March 19, 1934, pertaining to Signal Stations.

XXII. Outside Plant not otherwise reported.

1. Fire Control Cables

The cable system, Fort Taylor, is constructed of buried armored cables. There are no manholes or conduit. In rear of battery DeLeon, the cable is supported on wall of battery. Cable supports are loose and the cable needs a general overhauling and repairs. Due to cable failures, circuits of twisted pair, poorly constructed, are strung back to main cables, eliminating defective lateral cables. Small one pair cables have been abandoned and replaced by twisted pair wire.

2. Terminals

Cable terminals in most instances are in need of a general overhauling. There is a mass of dead, defective, unsightly insulated wire connected to terminals with no record of where circuits go. It is believed the cleaning up of terminals, removing old wires not in use, will eliminate defective lateral cable failures. Many of the terminals boxes are in need of painting also. A cable record of cross connection between main and lateral cables should be provided. The Artillery Engineer, Fort Taylor, immediately issued instructions for necessary work in connection with records and repairs.

XXIII. Remarks, general information and recommendations.

1. Circuits at Fort Taylor, not mentioned elsewhere in this report, consists of Navy Line across the Reservation connecting submarine cable to Sand Key.

2. As soon as it is definitely known of additional troop movement to Fort Taylor, arrangements for telephone service should be inaugurated. The placing of switchboard in daily service, will necessitate making arrangement for additional switchboard operators.

3. As there has been no change in Form #72, Descriptive Data

Record of Signal Corps Plant in Place at Fort Taylor, since the rendering of last Inspection Report, only title sheet of Form #72 is inclosed and replaced title sheet now on file.

XXIV.      Disposition of Reports

This report consists of six pages and was submitted in accordance with Paragraph 11, AR 105-20, dated December 31, 1940. Please refer to Paragraph 13, AR 105-20 for disposition of reports.

Charles F. Robinson

Charles F. Robinson  
Asst. Elec. Engr., S.S.at L.



HEADQUARTERS HARBOR DEFENSES OF KEY WEST  
Office of the Commanding Officer

Key West Barracks, Florida.  
October 9, 1941.

319.2 Fort Taylor

3rd Ind.

TO: Chief Signal Officer, War Dept., Washington, D. C.

THRU: Signal Officer, Fourth Corps Area, Post Office Building,  
Atlanta, Georgia.

Above report has been carefully studied by this office and the following is submitted:

I. Switchboard Manual

Additional personnel have been detailed to the care and maintenance of this switchboard and work is being carried on at this time in an effort to prevent further deterioration and, insofar as practicable, to restore it to first class condition.

IV. Charging and Ringing Equipment

1. It is recommended that this station be given authority to ship these motors back to the manufacturer for rebuilding or that authority be granted to requisition new motors.

2. Recommendation concurred in.

VI. Distributing Frame

Work orders have been prepared initiating the construction of a wood cabinet which will enclose distributing frame and offer protection against salt air. The cabinet will be provided with an electric light bulb or heater unit.

VII. Wire Chief Test Cabinet

This cabinet will be replaced upon receipt of new cabinet which is now on requisition for Key West Barracks Telephone Plant.

IX. Records

1. Maps mentioned will be prepared and made available to maintenance force upon receipt of copies of corrected plant map.

2. Recommendation concurred in.

3. Line record cards, Form WD-SC No. 1156 have been requisitioned.

lin.

X. Recommendation concurred in.

XX. Fire Control Switchboard Equipment

2. Work orders have been prepared initiating the construction of a wood cabinet which will enclose the back of main frame and cross-connecting panels and offer protection against salt air. The cabinet will be provided with an electric light bulb or heater unit. Records of cable terminal cross-connections have been corrected.

3. It is recommended that this station be given authority to requisition additional time interval apparatus for replacement of present equipment in the event of failure.

XXI. Fire Control Stations and Battery Equipment

1. Application has been made for funds to cover employment of a civilian cable splicer and other civilian labor necessary to overhaul cable in rear of battery DeLeon and to replace temporary circuits to G.P.F. Plotting room with subterranean cable.

XXII. Outside Plant not otherwise Reported

1. See XXI and I.

2. The cleaning up of these terminals is now nearing completion. Records of cross connections between main and lateral cables are being made.

XXIII. Remarks. General Information and Recommendations

2. Recommendation concurred in.

REC'D. SIG. D. 4th CORPS AREA OCT 13 1941  
REC'D. HQ. 4th CORPS AREA OCT 17 1941

*Webster F. Putnam, Jr.*  
WEBSTER F. PUTNAM, JR.,  
Lt. Col., 13th C. A.,  
Commanding.

4/23/27  
x 333.1/12C  
333.14/9N  
333.14/12M

HEADQUARTERS FOURTH CORPS AREA,  
OFFICE OF THE CORPS AREA SIGNAL OFFICER,

Atlanta, Ga.  
April 5, 1927.

TO: The Adjutant General, Washington, D.C.  
(Through: Military Channels.)

1. SUBJECT: Inspection of Signal Corps Equipment at Fort Taylor, Harbor Defenses of Key West, Fla., for period ending December 31, 1927. Inspection made per authority of letter to the undersigned from Headquarters, Fourth Corps Area, Subject: "Travel Orders" dated March 11, 1927. Last inspection made June 10, 1926, by W.R. Taylor, Electrical Engineer, S.S. at L. This inspection made March 22-23, 1927, by W.R. Taylor, Electrical Engineer, S.S. at L.

- II. Post Telephone System.
- III. Storage Batteries.
- IV. Charging Equipment.
- V. Ringing Equipment.
- VI. Underground System.
- VII. Aerial System.
- VIII. House and Block Cable.
- IX. Telegraph Station.
- X. Radio Station.
- XI. Target Range System.
- XII. Records and Test.
- XIII. Fire-control System.
- XIV. Signal Equipment.
- XV. Conclusion, Remarks and General Recommendations.

II. Post Telephone System- Inactive.

- 1. Switchboard. Is clean and from appearances is kept in readiness for operation. No power was available for trying out circuits, coils and contacts.
- 2. Main Distributing Frame- Is kept clean and in operative condition.
- 3. Intermediate Frame- None.
- 4. Relay Rack. Is mounted on frame inside switchboard. Is clean and appears to be in good condition.
- 5. Wire Chief's equipment- None.
- 6. Station Equipment- Dismantled and stored. Condition is satisfactory.

- III. Storage Battery- Inactive.  
The battery is clean and kept in condition for recommissioning on short notice.
- IV. Charging equipment.
1. Motor Generator, D.C. Satisfactory.  
Motor Generator, A.C. has been removed to the Signal Corps storeroom for charging portable storage batteries. It is clean and operates satisfactorily
  2. Mercury Arc Rectifier- None.
  3. Power Panel- Good condition. The field rheostat has been removed to the Signal Corps storeroom and used with A.C. motor generator for charging portable batteries.
- V. Ringing equipment - None.
- VI. Underground System.
1. Manholes- None.
  2. Cables- Are paper insulated, lead covered and armored types laid in trench. A test for insulation with a 5 megohm megger showed defective pairs as follows:  
 Cable No. 22, 50 pair, Battery Osceola to Cable Hut, pair #7 grounded.  
 Cable No. 5, 20 pr. from F' to switchboard room, pairs #1 and 3 grounded.  
 Cable No. 43, 30 pr. from lower to upper floor F' station, pairs 11,12,13,15, 19, 21 and 31, grounded.  
 Cable No. 3, 20 pr from switchboard room to B.C.Seminole, Pair #7 grounded.  
 Cable No. 6, 30 pair from switchboard room to Cable Hut #2, pair #29 grounded.  
 Cable No. 9, 20 pair from distributing frame switchboard room to protector frame post telephone system pairs 4,6,7,12,14 and 20 grounded.  
 Cable No. 12, 30 pair from switchboard room to can top connecting with commercial circuits pair #1 grounded.  
 Cable No. 11, 20 pair from B.C.Seminole to plotting room, pairs #2, 2 and 11 grounded.  
 Cable No. 21, 20 pair from Battery DeLeon to plotting room, 1 bad conductor among its spare pairs.  
 Cable No. 70, 10 pair from cable hut to Aux. #1, East Martelle, 1 grounded conductor.  
 Cable No. 71, 10 pair from Cable Hut to Aux #2, East Martella, pairs #1 and 5 grounded.  
 Cable No. 452, 30 pair, from Cable Hut No. 3 to Cable Hut pair #31 (spare) grounded.

Cable No. 14, 10 pair from B.C.Seminole to booths pairs No. 6, 8 and 10 grounded.

Cable No. 5, 20 pair from B" Seminole to SL #4, pair #7 grounded.

Cable No. 55, 10 pair from B" Osceola to B" DeLeon Eleven grounded conductors, charred jute on the cable indicates that the cable might have been damaged by fire when burning off grass.

Cable No. 453, has been cut at East Martella Cable Hut, end sealed and pulled out approx. 75 yards from shore and anchored in order to prevent its possible damage by civil construction forces building sea wall and boulevard around the island.

Cable type 261 to searchlight No. 1 is rusty and needs a coat of paint.

Cables type 261 at Battery DeLeon to time interval bells have rusted away until all armor at places is gone.

3. Terminal Boxes- All are in good condition.

VII. Aerial System- None.

VIII. House and Block Cable- None.

IX. Telegraph Station - None.

X. Radio Station - None.

XI. Target Range System- None.

XII. Record and tests-

Tests are made regularly and defects when discovered are remedied promptly in so far as it is practicable to remedy from means available. Records are properly maintained.

XIII. Fire Control System- Inactive.

1. Stations and Batteries.

In F' station, the telephone in booth to B.C.DeLeon has open internal circuit.

In plotting room Battery Seminole, zone signal controller does not light pilot lamp on No. 2 magazine circuit.

A zone signal lamp in the magazine hangs loose on ceiling.

A zone signal lamp in shot gallery hangs loose on ceiling.

Battery Inman- B.C. telephones are mounted on boards, the boards have rotted and the telephones are liable to fall and break. Either the mounting should be worked over or that telephones be dismounted and returned to the storeroom.

2. Distributing and Power Switchboards for fire control system- Clean and kept in good condition.

3. Time-interval apparatus, panel and circuits- Good condition.

4. Fort Signal Station- Not maintained( obsolete).
5. Meteorological station - All equipment has been stored except anemometer and windvane. The windvane is not operative.

XIV. Signal Equipment Supply.

1. Storeroom- Is adequate and kept in good condition.
2. Supplies- Routines for handling supplies are satisfactory. Spare parts are on hand in reasonable quantities.

Surplus property on hand is:

4 boxes terminal, 4 strip, sheet metal, class "A".  
 1 chest, cable splicers, type TW-16, class "A".  
 15 cases, gun telephone Class "A" and "B"  
 1 dial windvane, class "A".  
 2 strips, protector, Frank W. Cook type B-14, class "B"  
 300 cable, 30 pair, type 326, ft. class "A" on S.C.  
 reel No. 1745 lagged, just as shipped from the depot.  
 130 cable, type 324, 20 pair, ft. class "A", on reel-  
 Standard Underground Cable Co. diam of flange 6'3" length  
 of reel 3', serviceable.  
 1000 cable, type 215, 6 pair, rubber insulated, lead  
 covered, ft. Appears to be class "A" though the two top  
 layers are broken and washed due to rolling without lag-  
 ging protection. Flanges of reel are broken and do not clear  
 cable from ground, diam of flanges 4'9" length of reel 3 ft  
 Reel unserviceable.  
 3 reels, empty, diam of flanges 6'3". Length of reels  
 5'3", class "B".  
 1 reel, empty, diam of flanges 7'5" length of reel 5'2",  
 class "B".

NOTE: The cables listed above are in addition to those referred to in report of the Inspector General, Fourth Corps Area, dated February 12, 1928, and correspondence associated, file AG 333.1 H.D. of Key West, Fla. (2-12-28) Misc. OCSA 333.1/12B, OCSO 333.1 H.D. of Key West (2-12-28).  
 The empty reels, it was understood, were carried as mine property but identified by the undersigned as Signal property.

XV. Conclusion, Remarks and General Recommendation.

1. Remark.

The three auxiliary observation stations at East Bartello reservation are rotted and useless. There is a 10 pair cable connected to "gun outlet" type of terminal boxes at each of these stations.



**Recommendation-**

That potheads be removed from the cables, cables ends sealed and terminal boxes be returned to Signal Corps storeroom at Fort Taylor.

**1 b. Remark-**

The windvane at meteorological station has a connecting rod approximately 35 ft long. The rod is jacketed with 1" iron pipe, Bracketed to C station tower. The iron brackets have rusted out and the rod is held in upright position with pieces of black iron wire. The windvane has never worked and never will with this present type of construction.

**Recommendation-**

That the wind vane be installed on the roof of C station and that its dial be installed inside of C station with its connecting rod passed through the roof in a vertical position or that the windvane be dismantled and returned to storeroom for protected storage.

**1 c. Remark-**

Zone Signal lamps in powder magazines and shot galleries in Battery Seminole, are anchored to ceilings with wooden plugs, the plugs have shrunk and some of the lamps are loose and liable to fall, should this happen in the magazine at the time the lamps are being operated on 110 volts of electricity, it might cause an electric spark by coming in contact with powder metal containers which are stored immediately underneath the lamps.

**Recommendation-**

That all wooden plugs be removed and that the lamps be properly fastened to ceilings with metal anchors.

**NOTE:** The condition of fire control and post telephone system circuits and equipment is much better than it was at last year's inspection.

2. This report is submitted in four copies, one copy is for the files of each of the following offices; Harbor Defense Commander, Corps Area Commander, Chief of Coast Artillery, and Chief Signal Officer. Signal Corps Inspection Form No. 304, instructs that the Commanding Officer of the Harbor Defenses will indorse all copies, forward through military channels three copies showing remedial action taken to remedy any defects and deficiencies reported, his approval or disapproval of any remarks or recommendations made by the inspector.

*W.R. Taylor*  
W.R. TAYLOR,

Electrical Engineer, S.S. at L.

333.9

1st Ind.

JBV/jwm

Hq. H.D. of Key West, Key West Barracks, Fla., April 13, 1937.  
To: -The Adjutant General, Washington, D.C. (Thru Commanding General, 4th Corps Area, Atlanta, Ga.)

1. In compliance with paragraph 2, basic communication, the following is submitted:-

VI.(3) Reference cables No. 22, 5, 43, 3, 6, 9, 12, 11, 21, 71, 70, 452, 14 and 50, (cable No. 5, should be No. 50), there are more than sufficient good pairs remaining to care for contemplated needs. Replacement of these cables is considered unnecessary.

Cable No. 55 will be replaced.

Cable No. 453 will be connected again as soon as the necessary duct through roadway, now under construction by Monroe County, is installed.

Cable type 251 to searchlight No. 1 have been cleaned and painted.

Cable type 251 at Battery DeLeon to time interval will be replaced.

2. In compliance with recommendations contained in par. XIII, Inspection of Signal Corps Equipment at Fort Taylor, Fla., dated June 19, 1936, sufficient twisted pair wire S.C. type W-50 is in storage at Fort Taylor for wiring gun emplacement in case recommissioning of the fire control system should be required on short notice.

XIII. (1) Open internal circuit in telephone mentioned will be repaired.

Zone signal controller in plotting room Battery Seminole has been repaired.

Zone signal lamps in magazine and shot gallery will be repaired.

Telephone in S.C. Battery Inman will be dismounted and returned to storeroom.



XV. (1)(a) Recommendation concurred in. Potheads will be removed, cables ends sealed and terminal boxes returned to storage.

(b) Recommendation concurred in. Request has been made to U.S. Engineer that windane be dis-mounted and placed in storage.

(c) Recommendation concurred in. Wooden plugs will be replaced by metal anchors.

3. The improved condition of fire control and post telephone system circuit and equipment is due to untiring efforts on the part of Staff Sgt. Stanley P. Kulas, C.A.C., and his assistants, Staff Sgt. Edward Grimes, C.A.C., and Staff Sgt. Amos D. Shirk, C.A.C.

*J. B. Varela*  
J. B. Varela,  
Captain, 13th C.A.,  
Commanding.

333.1 (SC)

2nd Ind.

MJH/ch

Hq. 4th C.A. District, Atlanta, Ga., April 18, 1927. To- Commanding General, Fourth Corps Area, Atlanta, Ga.

1st Ind., concurred in.

For the District Commander:

*Monte J. Hickok*  
MONTE J. HICKOK,  
Major, Coast Artillery Corps,  
Executive.

319-Fort Taylor, Fla.

3rd Ind.

IB/amm

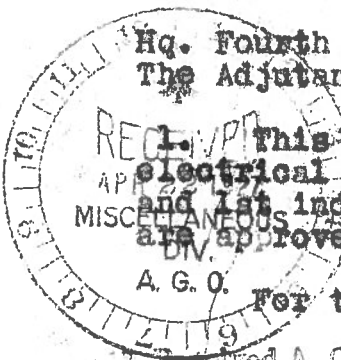
Hq. Fourth Corps Area, Atlanta, Ga., April 19, 1927. To:  
The Adjutant General, Washington, D.C.

1. This basic report covering Signal inspection of electrical communication equipment at Fort Taylor, Fla., and 1st indorsement thereto showing remedial action taken, are approved.

A. G. O.

For the Commanding General:

*Wm. F. Pearson*  
Major, Adjutant General's Dept.  
Asst. Adjutant General.



*Indorsed*

333.14/12-0

5th Ind.

Cottrell/flh

War Department, O.C.C.A., April 26, 1927 - To Chief Signal Officer.  
(Thru Chief of Engineers).

1. This inspection report is considered to be of value only from a negative viewpoint due to the fact that power was not available for a complete test of communication lines.
2. Fort Taylor, Fla. is a permanent fortification and while the present general shortage of personnel has made it necessary to place it on a caretaking status, it should be maintained in condition for immediate service in time of emergency. For this reason the removal and storage of telephones, terminal boxes, and other equipment is not concurred in unless it can be demonstrated that such action is unavoidable in order to prevent theft or serious deterioration.
- ✓ 3. In paragraph 4 of 2nd Indorsement, 333.1/12-C, O.C.C.A., April 22, 1927, this office concurred in a reconsideration of the policy indicated in paragraph 2 of the 1st Indorsement hereon. The fire control communication system must be maintained in time of peace if it is to be promptly available for use in time of sudden emergency.
4. It is recommended that the condition of the auxiliary stations, reported in Paragraph XV - 1a, be investigated by the Chief of Engineers and that information be furnished as to the action necessary to recondition these stations.

For the Chief of Coast Artillery:

MAILED APR 28 1927 2/B

BACK JUN / 1927 O.C.C.A. / Enc.

(6)

Enc. 1. Copy attached.

✓  
CLIFFORD JONES,  
Lieut. Colonel, C.A.C.,  
Acting Executive Assistant.

45  
X  
8

333.14/12-0

B

333.1 (K.W.)18

6th Ind., Apr.30/27.

C. of E. to C.S.O.

Action is being taken to procure the information called for in 4th paragraph of 5th preceding indorsement.

333.1 Ft. Taylor 4-5-27.

7th Ind., May 5/27.

Actg.C.S.O. to T.A.G.

1. It is recommended that this report be referred to the Fourth Corps Area Headquarters in connection with 5th and 6th indorsement.

2. With reference to the motor-generator and rheostat being removed for use elsewhere for charging portable storage batteries, this office can furnish standard electron tube rectifiers (Tungar or Rectigon) for charging such portable batteries, thus permitting the motor generator and rheostat being placed in position ready for immediate service. The standard sizes carried in stock are

5 to 3 amp. 7-1/2 to 15 volt

5 amp. 7-1/2 to 30 volt

6 amp. 7-1/2 to 75 volt

3. For making tests of the fire control and post telephone system, in case portable storage batteries totalling 30 volts cannot be made available for the time needed, from supplies already on hand at the Harbor Defense, this office can provide Signal Corps type BB11 of BB-11A batteries of the required voltage, from excess stocks in Depots. When inspections of inactive Harbor Defense forts in Corps Area have been completed for the year, the batteries furnished can be stored within the Area or returned to Signal Corps Depots.

8th Ind., May 6/27.

T.A.G. to C.G., 4th C.A.

319-Ft. Taylor, Fla.

9th Ind., May 9/27.

Asst.A.G. to C.O., 4th C.A.D.

333.9 10th Ind., May 11/27.  
of Key West.

Exec., 4th C.A.D. to C.O., H.D.

1. The attached copy of letter from Headquarters, Fourth Corps Area, September 2, 1921, is the authority and expresses conditions under which the fire control and post telephone system at Fort Taylor was placed on an inactive status.

2. It appears from this basic and former inspection reports made by representatives of the Signal Corps, that a great deal of the fire control and post telephone system equipment has been dismantled and stored. Most of the property was presumably removed from unguarded and unsheltered stations for reasons that should be explained. For instance, the motor generator and rheostat have been removed from the switchboard room, referred to in Par. IV-1 and 3, of this basic report. There also appears in this report, recommendation for further removal of equipment from the Auxiliary Observation Station, East Martello, and from the meteorological station, for

333.14/12-0

its protection. It will be seen from Par. 2, foregoing 5th indorsement, that this policy is not concurred in. If stations are not kept in good repair justifying the retention of the equipment in place, then the matter should be taken up through proper channels to accomplish the repairs required.

3. It is directed that immediate steps be taken to place the fire control system in an operative condition with the exception of recommissioning of the storage battery and that it be maintained in the manner provided for and as indicated in Par. 2, foregoing 5th Ind.

4. In reference to foregoing 7th Ind., if there are portable storage batteries in the storeroom that require periodical charges, these batteries should be available for testing out post telephone and fire control equipment and circuits. Therefore, the need of storage battery, type BB-11, for the specific purpose of making tests as suggested in the indorsement referred to, does not seem to this office warranted. However, the supply of a rectifier or tungar for charging these batteries, thereby releasing the motor generator for reinstallation in its proper position in the fire control switchboard room, appears to be justified.

5. Your remark in reference to the foregoing is desired with the return of the communication to this office by indorsement.

333.9 11th Ind., May 17/27W  
4th C.A.D.

C.O., H.D. of Key West, to C.O.,

1. The fire control communication system at Fort Taylor is maintained, at the present time, as shown below, in compliance with the provisions of the enclosed letter (Incl. #1).

a. Base end stations: All B' and B" stations are equipped with telephones and time interval bells, ready for immediate use. The B" stations at East Martello Tower are but flimsy wooden platforms from which all telephones and time interval bells have been removed. The condition of these towers are such that it is not safe to climb them, due to the rotted condition of all lumber in them. Electrical equipment left in these stations would be open to theft and serious deterioration.

b. B. C. Stations and gun emplacements: Telephones have been removed from B.C. Stations and gun emplacements and placed in storage. This is necessary due to the fact that all such stations and emplacements are exposed to the weather, and further that shortage of personnel prohibits the placing of a guard at Fort Taylor for the protection of such equipment.

c. Plotting Rooms: All Plotting Rooms are equipped with telephones and time interval bells ready for immediate use.

d. Post Telephone System: Power for testing out circuits, coils and controls on the switchboard is and has been available; there is installed in the switchboard room a DC, AC motor generator, in operating condition, also there are on hand twelve storage batteries type BB2.

2. The motor generator (A.C., D.C.) and rheostat will be returned to the switchboard room and a rectifier requisitioned.

3. Attention is invited to paragraph 2, 1st Ind., hereon, reference replacement of cable, type 251, in gun emplacements.

4. (a) With the exception of the terminal boxes and potheads,

333.14/12-0

all equipment has been removed from the tertiary stations at East Martello Tower. Removal of the remaining equipment will be delayed until further orders.

(b) It is the opinion of the undersigned that base end stations of a permanent nature should be erected at East Martello Tower, and that these stations should be used in connection with the B' stations at Fort Taylor as secondary stations, because of the longer base line thus obtained. The present B" stations could then be used as an auxiliary station in case of failure, for any reason, of the present B' or B" stations. The approximate lengths of base lines are as follows: B'-B", 2000 yds; B"-B'", 3700 yds; B'-B'" 5700 yds. (In case of the adoption of the new base line, the 110<sup>0</sup> plotting boards for Batteries Seminole (12" mortar) and Osceola (12" rifle) will need new holes since B'" is not located on this board.

5. (a) The storage battery for the post telephone system has been dismantled and is being cared for as provided in the enclosed letter (Incl.#1).

(b) Unprotected meteorological equipment has been removed and placed in storage.

6. a. The following shows what is necessary to comply with existing instructions:-

(1) Replace motor generator and rheostat.

(2) To change the installation of the windvane in meteorological station as to make operation possible when required. (This windvane did not operate due to faulty installation)

b. In case of the complete recommissioning of the fire control communication system at Fort Taylor, the following will be necessary:-

(1) Put storage battery in commission.

(2) Replace telephones in B.C. stations and gun emplacements.

(3) Rewire gun emplacements with the twisted pair wire S.C. type W-50 now on hand, in place of the cable type 251.

(4) Take meteorological equipment from storage and place in operation in meteorological station.

c. In view of the above, it is believed that the fire control communication system (with the exception of the items listed in a, above) is maintained in condition for immediate service insofar as is permitted by the provisions of the enclosed letter (Incl.#1).

### 333.1 Key West.

12th Ind., May 26/27.

C.O., 4th C.A.D. to U.G., 4th C.A.

1. Attention is invited to 10th indorsement hereon.

2. Rectifier for charging portable storage batteries will be requisitioned.

3. Portable storage batteries being available, no type BB-11 or BB11A batteries will be required.

4. With reference to paragraph 4(b), 11th indorsement, this matter will be made the subject of a separate communication.

13th Ind., May 27/27.

C.G., 4th C.A. to W.A.G.

### 333.9 Ft. Taylor, Fla. (4-5-27) Misc.

14th Ind., May 31/27.

A.G.O. to C.of C.A.

(6)

333.14/12-0

COPY

HEADQUARTERS FOURTH CORPS AREA.  
Fort McPherson, Georgia.

September 2, 1921.

From: Adjutant, Fourth Corps Area.

To: Commanding Officer, Coast Defenses of Key West,  
Key West, Fla.

Subject: Placing Electrical Communication Service on Inactive Status.

1. In order that timely action may be taken towards placing the electrical communication service of your coast defenses on an inactive status along with the reduction of the troops to a caretaking detachment, the commanding officer will, at the proper time, cause the dismantling and storing of all exposed and unprotected telephones, time interval bells, radio antenna and meteorological equipment. The storage battery should be thoroughly charged, the electrolyte siphoned off and stored in thoroughly cleaned glass receptacles; the cells, as fast as emptied, should be filled with fresh, pure water and allowed to stand 12 or 15 hours; then remove the separators and siphon out the water.

2. In placing the electrical communication service out of commission the dismantling will be so conducted as to permit the re-commissioning of the system on short notice, that is, the house wiring, circuits, cables and switchboard room equipment will remain intact and will be maintained in a serviceable condition by the caretaking detachment. In addition, to the protection against vandalism, the post telephone switchboard, fire control distributing and power panels and radio transmitting and receiving sets should be protected against dampness and dust by the use of tarpaulins or other weather-proof covering.

3. One commercial telephone connected with the nearby commercial telephone exchange will be provided the defenses for the official use of the detachment. No other telephone service will be authorized excepting in cases where fire alarms cannot be provided by Utilities, and the installation of a small number of local battery telephones is found to be necessary. The commanding officer will communicate direct with the Corps Area Signal Officer regarding the changes to be made in his commercial telephone service.

By Command of Major General Morrison:

L. S. Carson

Acting Adjutant.

333.14/120 Inc. 1.

WAR DEPARTMENT

O. of E. 333.1(K.W.)19  
OFFICE OF THE CHIEF OF ENGINEERS  
WASHINGTON

October 15, 1927.

REFER TO FILE NO.

10/19/27

Subject: Observation Stations, East Martello Reservation,  
Fort Taylor, Fla.

To: The Chief of Coast Artillery.

1. Reference is made to your 5th indorsement, paragraph 4, File 333.14/12-0, on Signal Corps inspection report of Fort Taylor, Fla., for period ending December 31, 1926, in which it is recommended that the condition of the auxiliary stations reported in Paragraph XV - 1 a of report be investigated.

2. In this connection, attention is invited to the following report of the District Engineer, Jacksonville, Fla., under date of July 23, 1927 (O. of E. 333.1(K.W.)19/1).

1. The Commanding Officer, Harbor Defenses of Key West, states that recommendation has been made to increase the present short base - Fort Taylor to West Martello Tower by placing secondary stations at the East Martello Tower Reservation. The action had on this recommendation is not known here.

2. If the base is to be lengthened as indicated above, it is proposed to install three typical base end stations, 20 feet in height, on the East Martello Tower Reservation to replace the present wooden towers. The steel towers would follow the design made by the Fortifications Section, Military Construction Division, Office of the Chief of Engineers, March 23, 1920. (Reference File Numbers D-11-F0, D-12-F0, D-13-F0, D-14-F0: Typical steel tower for Position Finders Station.) At present prices, it is estimated that the procurement and erection of these towers would cost approximately \$2,500, each, or a total of \$7,500, for the three.

3. If the base is not to be lengthened, it is estimated that the present wooden towers can be put in good condition at a total cost of \$1,000, and that they can be replaced with metal construction for use as auxiliary stations only for approximately \$800, each.

333.14/12-0-1

Letter to The Chief of Coast Artillery, Subject: Observation Stations,  
East Martello Reservation, Fort Taylor, Fla.

- 2 -

3. Remark is requested.

For the Chief of Engineers:

(7) R. G. Moore,  
Lieut. Col., Corps of Engineers,  
Chief, Military Division.

333.14/12-01



Cottrell/flh

333.14/12-0-1

1st Ind.

W.D., O.C.C.A., October 19, 1927 - To Chief of Engineers.

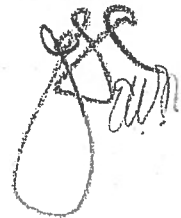
1. It is believed that a future study of the fire control system in the Harbor Defenses of Key West will prove the advisability of increasing the length of the normal base lines as indicated in the basic letter, but due to lack of available funds no action can be taken to build new stations at East Martello Tower within the next two or three years.

2. It is recommended that the present stations be maintained for emergency use and that the consideration of new construction be deferred until such time as there is a reasonable probability of obtaining the necessary funds.

For the Chief of Coast Artillery:

✓  
H. T. BURGIN,  
Major, C.A.C.,  
Acting Executive Assistant.

MAILED OCT 20 1927 1/8



333.14/12-0-1

B

Recd.  
Dec. 21/27

Oct. 6, 1927.

SIGNAL OFFICER, FOURTH CORPS AREA.

1. The inclosed requisition is forwarded for the action of your office, the depot credits available to this office under "Fire control maintenance", having been so depleted by issue to Fort Barrancas, Fla. that the balance of credits is not sufficient to cover this requisition.

1st Ind., Oct. 11/27.

C.S.O. to S.O., 4th C.A.

1. Since the credits for maintenance of fire control installations in the 4th Corps Area have been seriously depleted in the first few days of the second quarter owing to the approval of the requisition from Fort Barrancas, which it is assumed covered only items considered essential for the proper maintenance of that post, this office is willing to consider the matter of increasing your credits for the current quarter. It is the policy of this office however to keep the issues to each Corps Area as nearly as possible within the limits set by depot credits published at the beginning of each quarter.

2. In considering increases in credits, this office prefers not to pass upon separate requisitions as they are submitted in the usual course of business, but to act upon the requirements of the Corps Area as a whole, except in case of an unexpected emergency. The attached requisition from Key West Barracks, Florida, is therefore returned without action, requesting that this office be furnished an estimate of the probable requirement for fire control maintenance at each post in your Corps Area for the remainder of the second quarter.

3. In connection with the enclosed requisition from Key West Barracks, it appears to this office that the necessity for 3500 feet cable, type 251, as a maintenance item is questionable.

2d Ind., Oct. 17/27.

S.O., 4th C.A. to C.S.O.

1. In addition to the cost of material listed in attached requisition 466-2-8, there is a requisition in this office 577-4-28, from Fort Moultrie, S.C. listing material under Account No. 28, which carries an approximate cost of \$325.00.

2. The unexpended balance of credits on hand in this office is in the amount of \$364.25, which balance should be increased to cover the attached requisition from Fort Moultrie, referred to in the preceding paragraph.

3. In reference to Par. 3, preceding indorsement, attention is invited to Par. XIII, Signal Corps Annual Inspection Report covering inspection of Signal Corps equipment at Fort Taylor, Fla. dated June 19, 1926, also to 5th indorsement OCCA dated April 26, 1927, on Signal Corps Annual Inspection Report for Fort Taylor dated April 5, 1927, and to letter The Adjutant General 333.1 H.D. of Key West (4-14-27) Misc.D. which explains the use to be made of the type 251 cable requisitioned.

4. It appears to have been the opinion of the Signal Corps inspector that type 251 cable is unsuitable for the climatic condition of Key West, especially when the cable is installed in battery emplacements exposed to tropical sun, his opinion being based upon the fact that the battery cabling

333.1  
12C

333.14/121  
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12-M

at Key West was installed new in 1921, had never been placed in active service and became totally unserviceable for communication purposes within the short period of three years. It would not seem therefore to be economical nor justifiable to replace the defective cables by cables of the same type which, in all probability, would also deteriorate to an unserviceable condition before they are required for operation. Weather proof distribution wire is dependable, can be strung around the battery to telephones and bells within a very short period of time, therefore the exigency of the service would be best served by supplying and holding in reserve at the post type W-50 wire for replacing the defective type 251 cable, should an emergency require that the armament equipment be placed in service. The recommendation of the inspector was approved and type W-50 wire was supplied and is now held in reserve for the purpose stated.

5. Although The Adjutant General has directed the replacement of the defective 251 cables, it is the opinion of this office that it would in the long run prove economical to supply in place of type 251 cable the Sprague BXL or SC 213 cable.

333.14/12-0-2

OCSigO R-27439

3rd Ind.

War Department, OCSigO, Washington, December 20, 1927. - To the Chief of Coast Artillery.

1. Attention is invited to paragraph 4 of preceding 2nd indorsement and 7th indorsement from your office to The Adjutant General dated May 23, 1927, file 333.1/12-C. It appears that type WC-251 cable is not considered satisfactory for replacement of the cable in question and inasmuch as Signal Corps type WC-213 cable is no longer being purchased and stocks in Signal Corps depots are practically exhausted, it is the opinion of this office that replacement of the cable in question should be deferred until a supply of Signal Corps type WC-513 cable, which is to supersede both WC-251 and WC-213, can be purchased. It is expected that a supply of this cable will be purchased during the present fiscal year.

J. E. Hamphill,  
Lieut. Colonel, Signal Corps,  
Acting Chief Signal Officer of the Army.

(7)

333.14/12.0-2

333.14/12-0-2


4th Ind.

Cottrell/flh

War Department, O.C.C.A., December 22, 1927 - To Chief Signal Officer.

The opinion expressed in the preceding 3rd Indorsement is concurred in, and it is recommended action be taken accordingly. It is noted that it is expected to furnish the required type WC-512 cable during the present fiscal year.

For the Chief of Coast Artillery:

  
E. W. MILES,  
Major, C.A.C.,  
Acting Executive Assistant.

333.14/12-0-2

OCSigO PR 28943 (DP-29-23)  
9-11-28

1st. Ind.

War Department, OCSigO, Washington, October 10, 1928. - To the Chief of Coast Artillery.

1. This office is purchasing 50,000 ft. of type WG-512 cable for fire control maintenance stock in Depots and delivery of this material is expected about October 30, 1928.

2. A search of the files of this office does not indicate that any of this type cable has been requisitioned for use in the Harbor Defenses of Pensacola. However, 3500 ft. is being shipped to the Harbor Defenses of Key West.

For the Chief Signal Officer:

(7)

J. M. Hemphill,  
Lieut. Colonel, Signal Corps,  
Executive.

333.14/12-0-3

333.14/12-0-3

4th Ind.

Tenney/flh

War Department, O.C.C.A., October 17, 1928 - To Chief of Engineers.

Attention is invited to letter, AG 333.1 H. D. of Key West (4-14-27) Misc. D., June 8, 1927, copy enclosed. It is the understanding of this office that part of the WC-512 cable is to be used for replacement of unserviceable WC-251 cable. This office has no plan to use the cable in connection with the fire control system at East Martello Tower.

For the Chief of Coast Artillery:

✓  
1 Incl. 333.1/12-c (as above)

✓  
C. M. SEAMAN,  
Lieut. Colonel, C.A.C.,  
Executive Assistant.

MAILED OCT 17 1928 4/B

333.14/12-0-3

OCSigO PR 28943 (DP-29-23)  
9-11-28

1st. Ind.

War Department, OCSigO, Washington, October 10, 1928. - To the Chief of Coast Artillery.

1. This office is purchasing 50,000 ft. of type WC-512 cable for fire control maintenance stock in Depots and delivery of this material is expected about October 30, 1928.

2. A search of the files of this office does not indicate that any of this type cable has been requisitioned for use in the Harbor Defenses of Pensacola. However, 3500 ft. is being shipped to the Harbor Defenses of Key West.

For the Chief Signal Officer:

✓ 7 ~~BACK~~ OCT 11 1928 333.14

*J. E. Hemphill*  
J. E. Hemphill,  
Lieut. Colonel, Signal Corps,  
Executive.

333.14/12-0-3

2nd Ind.

War Department, O.C.C.A., October 11, 1928 - To Chief of Engineers.

For his information. The return of these papers is requested.

For the Chief of Coast Artillery:

*C. M. Seaman*  
C. M. SEAMAN,  
Lieut. Colonel, C.A.C.,  
Executive Assistant.

C. of E. 665(Key West)144

3rd Ind.

Office, C. of E., October 15, 1928. - To The Chief of Coast Artillery.

Information is requested as to whether any portion of this cable is for use in connection with the fire control system at the East Martello Tower.

For the Chief of Engineers:

✓ 7 ~~BACK~~ OCT 16 1928 333.14

*Robert R. Ralston*  
Robert R. Ralston,  
Lieut. Col., Corps of Engineers,  
Chief, Military Division.



333.14/12-0-3

4th Ind.

War Department, O.C.C.A., October 17, 1928 - To Chief of Engineers.

Attention is invited to letter, AG 333.1 H. D. of Key West(4-14-27) Misc. D., June 8, 1927, copy enclosed. It is the understanding of this office that part of the WC-512 cable is to be used for replacement of unserviceable WC-251 cable. This office has no plan to use the cable in connection with the fire control system at East Martello Tower.

For the Chief of Coast Artillery:

OFFICE CHIEF OF ENGINEERS

OCT 18 1928

Sub 1 accmpg. ✓

1 Incl.

*C. M. Seaman*  
C. M. SEAMAN,  
Lieut. Colonel, C.A.C.,  
Executive Assistant.

C. of E. 665(Key West)144

5th Ind.

Office, C. of E., October 19, 1928. - To The Chief of Coast Artillery.

Noted.

*W. H. T.*

1 Incls. - Sub No. 1.

✓ BACK OCT 20 1928 0001 Inc.

*File*  
*T*

C O P Y

(OCCA 333.1/12C)

THE ADJUTANT GENERAL  
Washington

AG 333.1 H. D. of Key West  
(4-14-27) Misc. D.

June 8, 1927.

665 (Key West) 144/1

Subject: Inspection of the Harbor Defenses of Key West, Florida.

To: The Commanding General, Fourth Corps Area, Atlanta, Ga.

With reference to letter (333.1 H. D. of Key West, Fla., Hq. 4th C.A.), dated April 14, 1927, on the above subject, you are informed that your recommendation in reply to paragraph 15 of that letter, that the replacement of the unserviceable fire control cable at Fort Taylor be reconsidered, has resulted in the following action:

Previous instruction to the effect that 2000 ft. of outside twisted pair wire SC type, W-50 be held in storage and no action taken to replace the unserviceable type 251 cable is amended so as to authorize the replacement of 2000 ft. of the WC-251 cable from stock on hand in Signal Corps Depot, all work in connection with its installation to be performed by the local C. A. C. maintenance personnel.

By order of the Secretary of War:

Livingston Watrous  
Adjutant General.

0. C. C. A. 533.1/14/12-0-3 4-26.1