

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

COAST DEFENSES OF Sandy Hook

FORT Hancock

BATTERY Alexander

Form 1

Corrected to

July 1, 1921

No. of guns

2

Caliber 12"

Carriage Dis

Battery commenced	1898	Sources of electric current	C.P.P. Bloomfield #1; 25 KW., and
Battery Completed	1899		Alexander #1; 25 KW. sets
Date of transfer	July 15, 1899	Max. kw. required for lights	#1 & 2, 5.1/10 K.W. (based on 50 watt
Material of construction	Concrete	Max. kw. required for motors	29 K.W. lamps)
Portland or Rosendale cement	Portland		
Cost to date of transfer	\$94,227.88	Present condition battery	Good
Connected to water supply	Yes	Rooms wet or dry	Fairly dry
Connected to sewer	-		
Type of latrine	-	How ventilated	Through doorways, passages and air
Type of data transmission	Telephone	Remarks:-	spaces.
Trunnion elevation in battery	(Emp. #1; 35.499		
Datum plane	" #2; 35.531		
	M.L.W.		

ARMAMENT

Emplacement or mortar No.	Guns or Mortars						Carriages				
	Cal.	Length	Model	Serial No.	Manufacturer	Mounted	Type	Model	Serial No.	Manufacturer	Motor
1	12"		1888	MII #4	Bethlehem Iron Co.	Yes	Dis	1896	#25	Morgan Eng. Co.	Yes
2	12"		1888	No. 7	Watervliet Arsenal	do.	Dis	1896	# 8	Bethlehem Iron Co.	Yes
3	See 660.2-10, 10th Indu Guns to be retained and it is desired to store as many as possible in the 2nd Corps Area for use as spares in connection with the 9 guns of this type to be retained in 2nd Corps Area. Those which cannot be stored should be reported to Chief of Ordnance for shipping instructions						See 660.2-10, 10th Indu Carriages to be sold as scrap, retaining parts listed in correspondence, reporting them to Chief of Ordnance for shipping instructions.				
4											
5											
6											
7											
8											

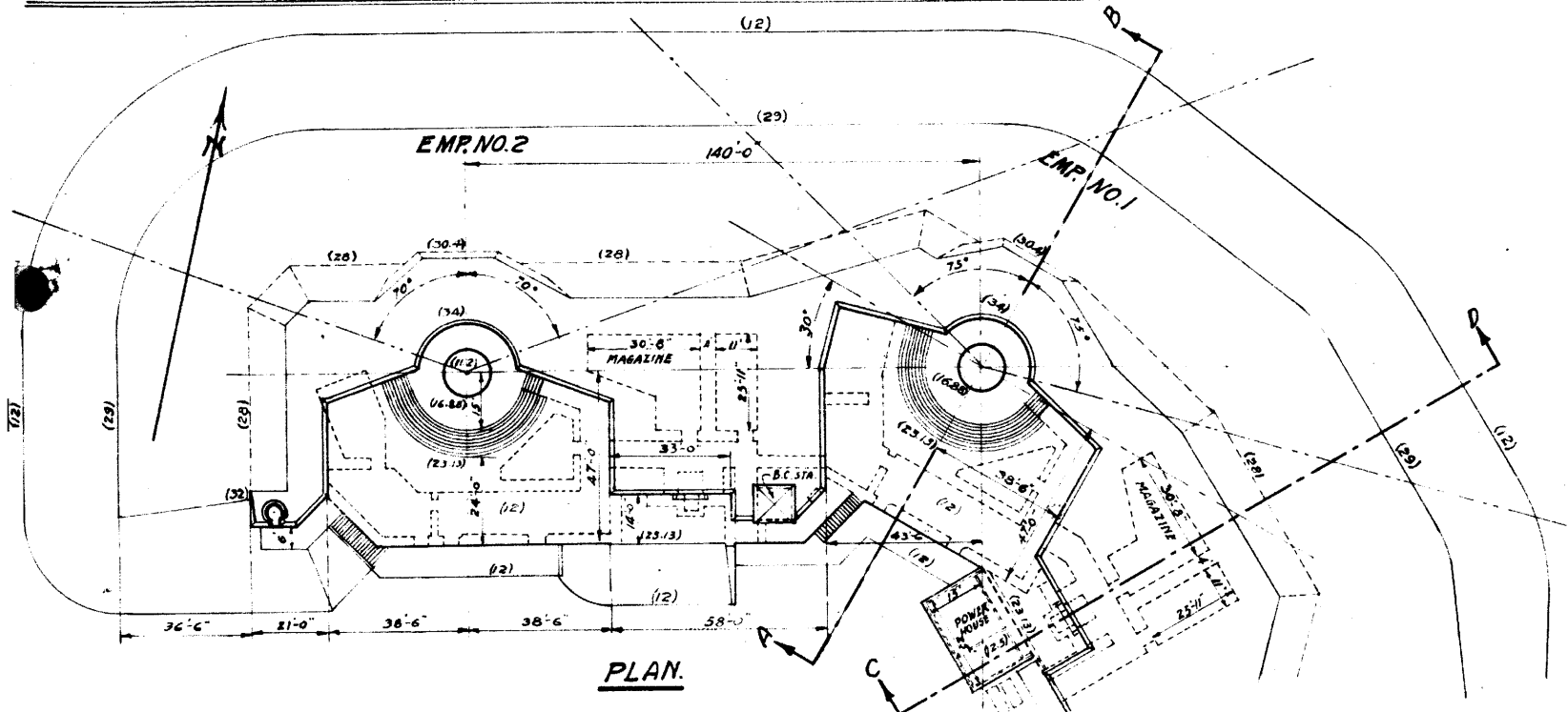
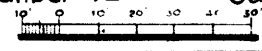
HOISTS

Emplacement Number	Type	Delivery	Motor						Date of transfer	Remodeled for long points
			Serial No.	Maker	H.P.	Volts	RPM	Type of control		
1	T.R.	Back	654079	G.E.	7-1/2	110	800	Contractor Controller	Sept. 20, 1917	Yes
2	T.R.	"	644664	G.E.	7-1/2	110	800	do. do.	do.	Yes
3										

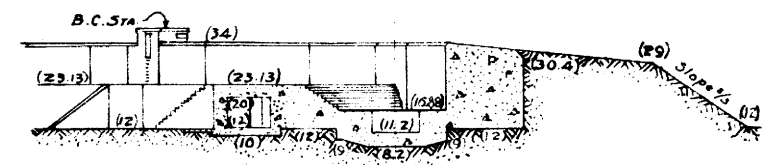
Authority granted to place shot hoist motor on I. + I. Report.
See 2nd Wrapper Incl. C. of E. 662 B (Southern New York) 25.

Corrected to July 1, 1921.

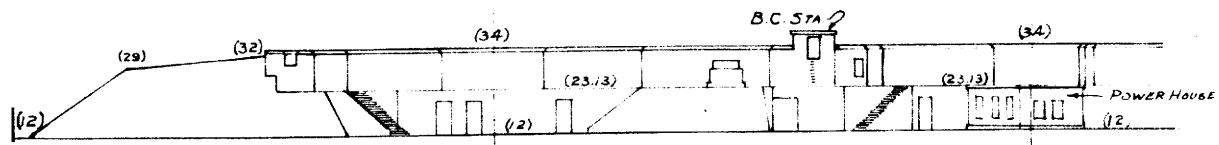
Scale: 1"=50'



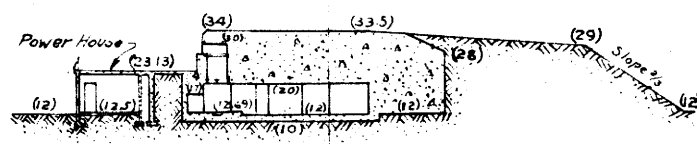
PLAN.



SECTION A-B.



ELEVATION.



SECTION C-D.

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS

COAST DEFENSES OF SANDY HOOK
FORT HANCOCK

BATTERY ALEXANDER

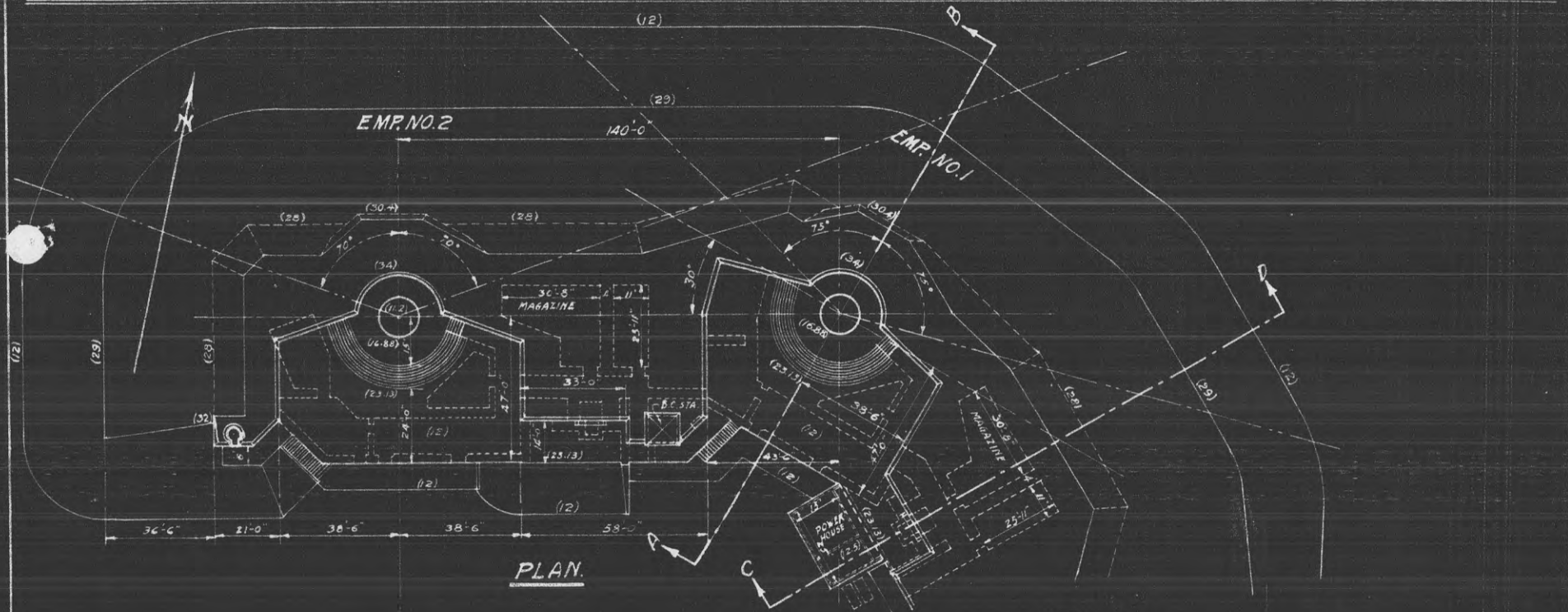
No. of Guns 2

Caliber 12"

Carriage Dis.

Corrected to July 1, 1921.

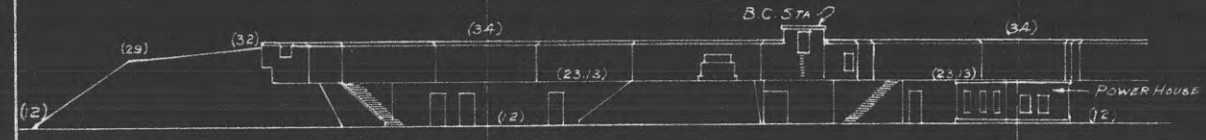
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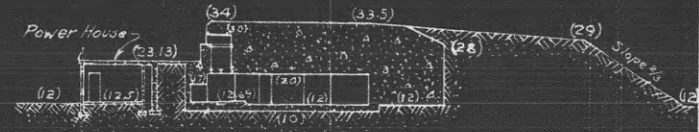
PLAN.



SECTION A-B.



ELEVATION.



SECTION C-D.

COAST DEFENSES OF Sandy Hook

FORT Hancock BATTERY Alexander X NO OF GUNS: 2 CALIBER: 12"

	EMPLACEMENT NUMBER 1.	EMPLACEMENT NUMBER 2.	EMPLACEMENT NUMBER 3.	EMPLACEMENT NUMBER 4.
1-a. Azimuth	135°	77° - 0'		
b. Distance	149'	140'		
2-a. Model of Gun	1888 MII #4	1888 #7		
b. " " Carriage	1896 #25	1896 #8		
c. Type of " "	Dis.	Dis.		
3- Elevations of	-	-		
a. Gun trunnions (in battery)	35.71	35.71		
b. Interior crest	33.85	33.95		
c. Loading platform	23.13	23.13		
4- Angle of depression	1°	1°		
5- Limiting azimuths of field of fire as determined by:	FROM: TO:	FROM: TO:	FROM: TO:	FROM: TO:
a. Construction of emplacement	117.40 269.90	92.65 240.70		
b. Interference by adjacent emplacements	117.40 269.90	92.65 240.70		
c. Interference of other obstacles external to emplacement	117.40 148.55	92.65 180.85		
d. Position of ordnance steps	152.55 269.90	184.65 240.70		
	127.00 269.90	102.25 234.95		

NOTES.

1. Azimuth and distance of emplacement No. 2 are given with reference to No. 1; of No. 3, with reference to No. 2, etc. Azimuth and distance of No. 1, are given with reference to #3 Halleck gun center

3. Above plane of M.L.W.

5-c. Nature of obstacles Gun No. 1-Hook Beacon Dead angle-148.55 to 151.55 AZ.
 " " 2-Hook Beacon Dead angle = 180.85 to 184.65 AZ.

2-c. Use one of following abbreviations or designations: Dis.; Nondis.; Alt gun-lift, Turret, Casemate, Ped; B.P.

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
(Electric Plants)

COAST DEFENSES OF SANDY HOOK
FORT HANCOCK, N.J.

POWER FOR Alexander, Halleck, Bloomfield, Gunnison
Richardson, Granger, Morris, Peck, Urnston,

Form 5.

Corrected to Sept. 28, 1921,

(Alexander Power Plant.)

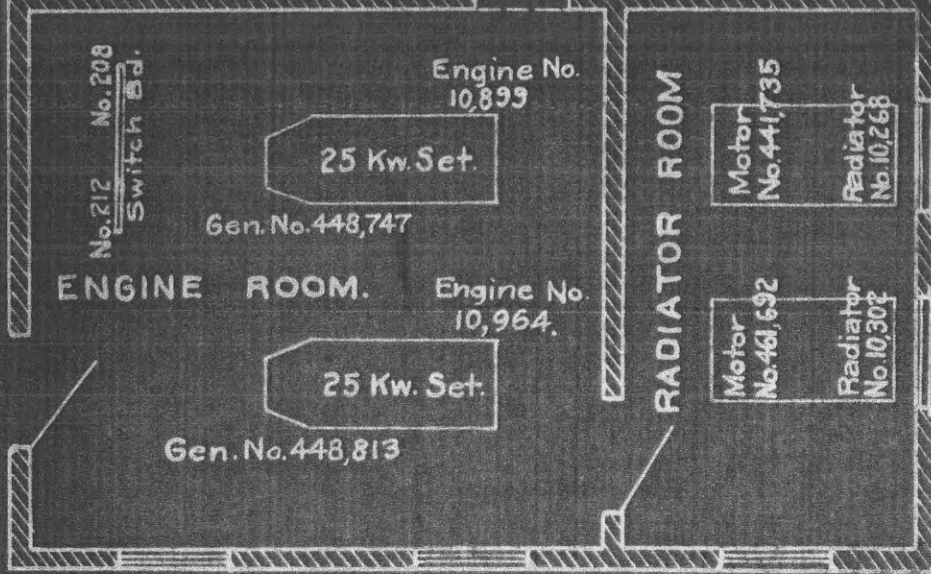
	Serial No.	Type	Size	Mfr.	Date of transfer	Cost	Con- dition	RPM	Belt or Direct Drive	Radiator for Engine No.	Fuel	Switchboard Mate- rial No. of Panels
Boiler	No. 1											
	No. 2											
	No. 3											
Engine	No. 1	G.M. 12	43/54 HP	G.E.	Nov. 3, 1916		Good	560	Direct		Gasoline	
	No. 2	"	"	"	"		"	"	"		"	
	No. 3											
Generator	No. 1	M.P.C.	25 K.W.	G.E.	Nov. 3, 1916		Good	560	Direct			
	No. 2	"	"	"	"		"	"	"			
	No. 3											
Radiator	No. 1	F.F. 54			Nov. 3, 1916					1		
	No. 2	"			"					2		
Fan)	No. 3											
Motor-Generator	No. 1	C.V.C.	3 H.P.	G.E.	Nov. 3, 1916		Good	1150				
	No. 2	"	3 H.P.	"	"		"	1150				
	No. 3											
Sw/ board	No. 1		82" x 60"									Marble 3
Storage Battery	No. 2											
Transformer												
	No. 1											
	No. 2											
	No. 3											
Auxiliaries												
	No. 1											
	No. 2											
	No. 3											

DISTRIBUTION OF KW. Lights 6 K.W.
Power 8 K.W. (Hoist motors.)

WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY

Face of Parade Wall of Emplacement No. 1.



ENGINE ROOM.

RADIATOR ROOM

Scale $\frac{3}{16}'' = 1\text{ft.}$



FORT HANCOCK, N. J.
BATTERY ALEXANDER
POWER PLANT

SEPT. 1 1916