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

COAST DEFENSES OF Sandy Hook
FORT Hancock
BATTERY Alexander
No. of guns 2 Caliber 12" Carriage Dis

Form 1 Corrected to July 1, 1921

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

ARMAMENT

Emplacement or mortar No.	Guns or Mortars: Cal.	Length	Model	Serial No.	Manufacturer	Mounted	Carriages: 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 - 18, 10th Ind., and in connection with the 9 to be retained in 2nd which cannot be stored to Chief of Ordnance			It is desired to store Corps Area	Guns to be retained as many as possible for use as spares in guns of this type Corps Area. Those should be reported for shipping instructions		See 660.2 - 10, 10th Ind., as scrap, retaining parts listed in correspondence, reporting them to Chief of Ordnance for shipping instructions.				to be sold
4											
5											
6											
7											
8											

HOISTS

Emplacement Number	Type	Delivery	Motor: Serial No.	Maker	H.P.	Volts	RPM	Type of control	Date of transfer	Remodeled for long points
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 Ind., C. of E. 662.B (Southern New York) 25.

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS

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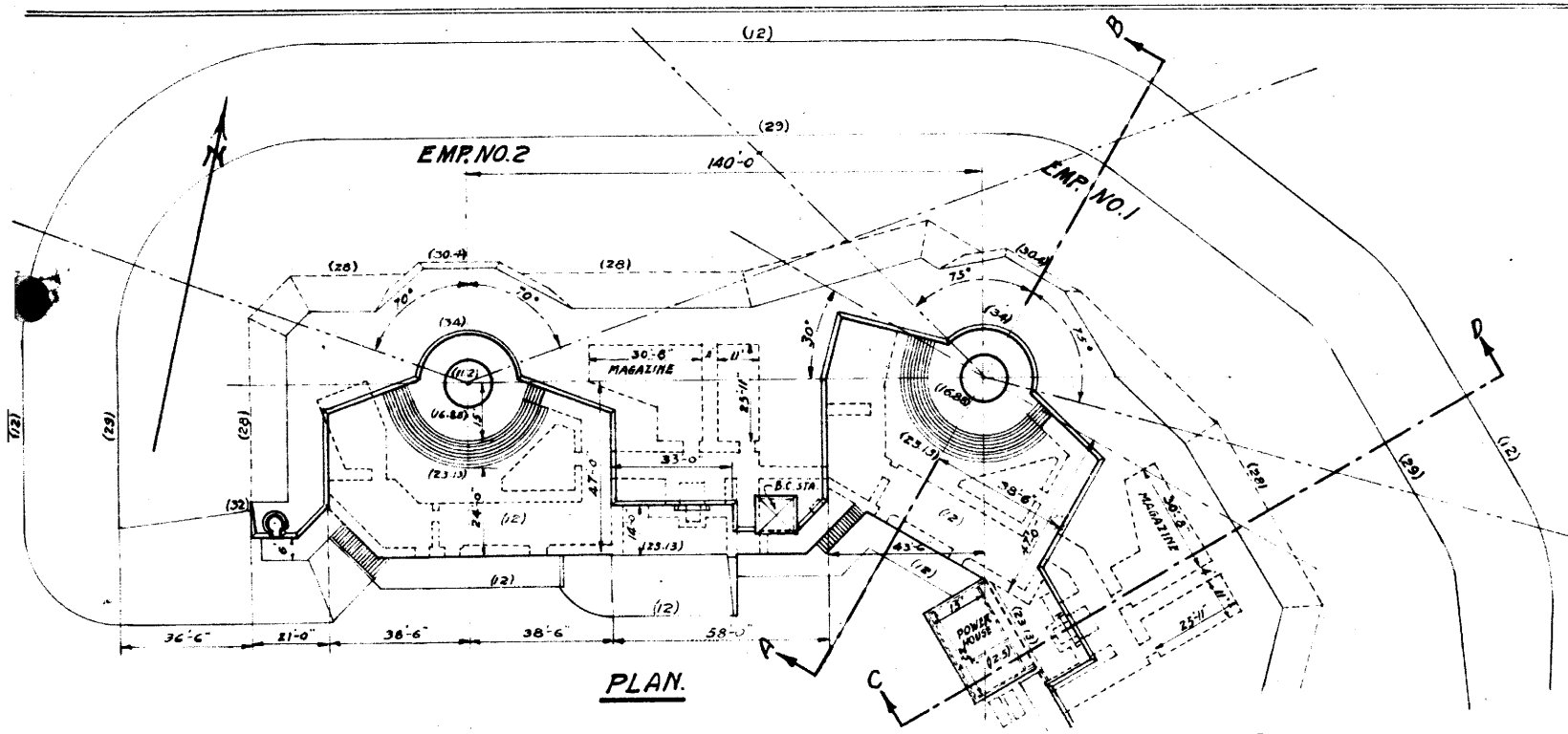
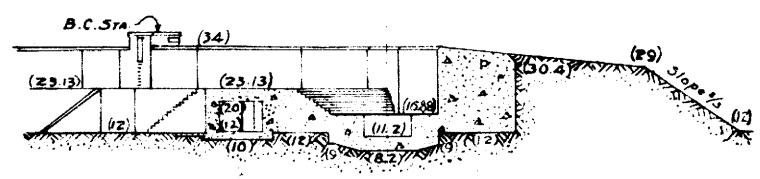
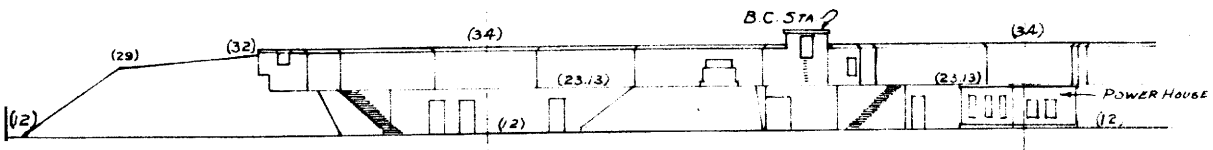
COAST DEFENSES OF SANDY HOOK
FORT HANCOCK
BATTERY ALEXANDER
No. of Guns 2 Caliber 12" Carriage Dis.
Scale: 1"=50'



PLAN.



SECTION A-B.



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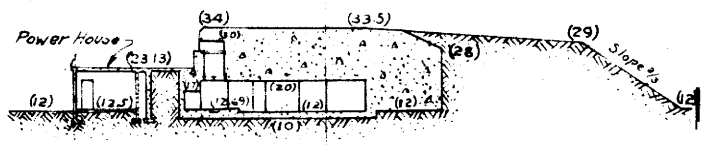
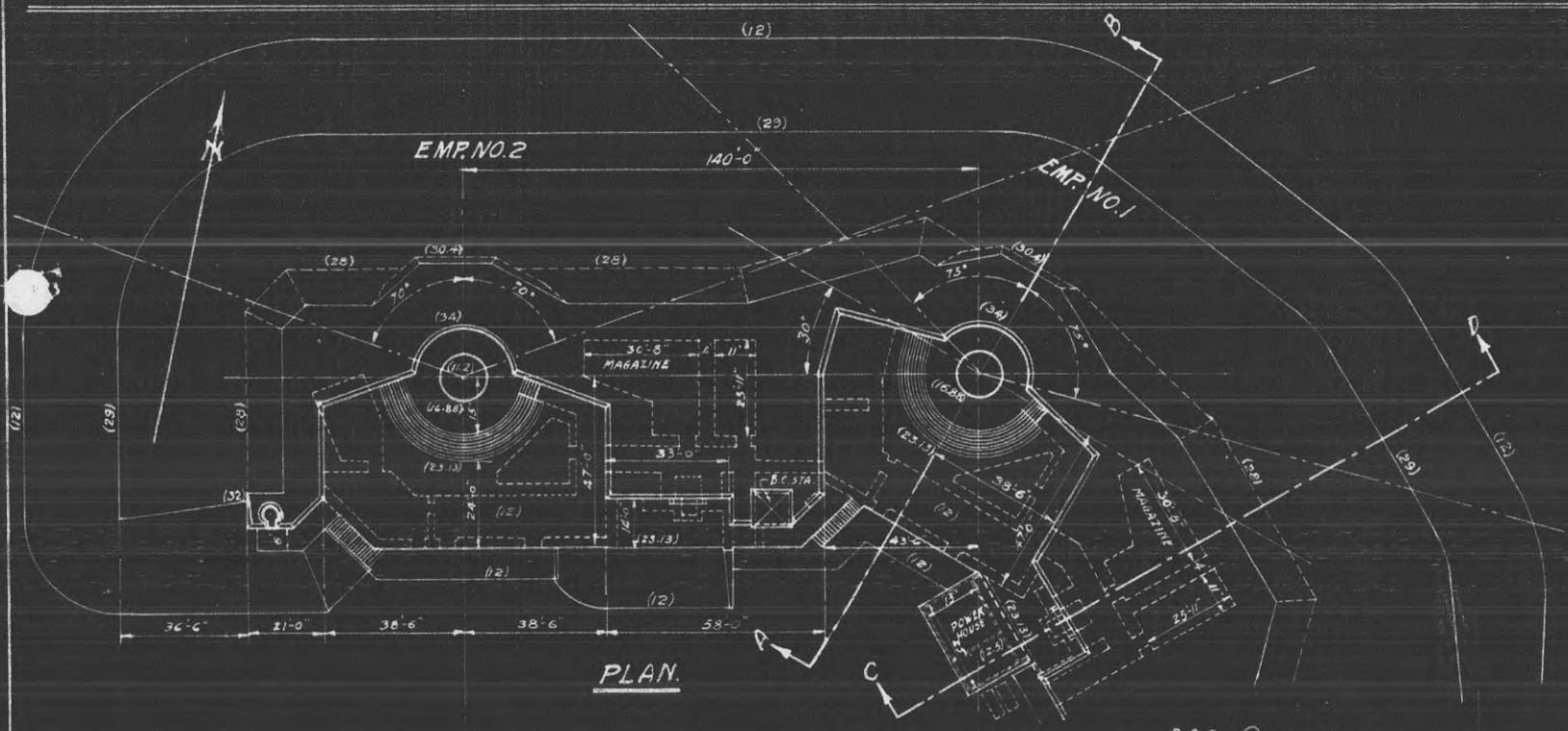


SECTION C-D.

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS

Corrected to July 1, 1921.

COAST DEFENSES OF SANDY HOOK
FORT HANCOCK
BATTERY ALEXANDER
No. of Guns 2 Caliber 12" Carriage Dis.
Scale: 1"=50'



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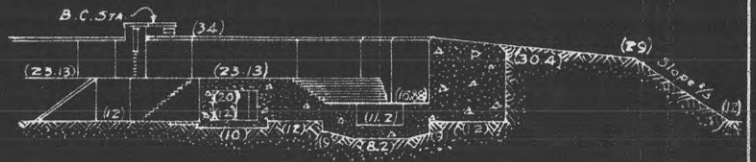

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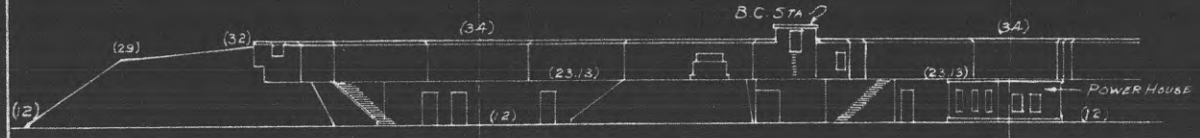

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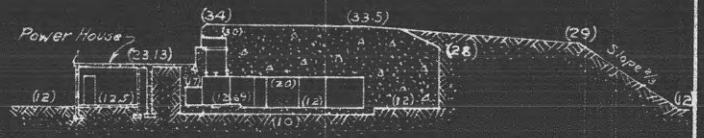


SECTION C-D.

O.M.

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		33.93					
c. Loading platform.	23.13		23.13					
4- Angle of depression.	1°		1°					
	From	To.	From.	To.	From.	To.	From.	To.
6- Limiting azimuths of field of fire as determined by:	° '	° '	° '	° '	° '	° '	° '	° '
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				
	117.40	148.55	92.65	180.85				
c. Interference of other obstacles external to emplacement.	152.55	269.90	184.65	240.70				
d. Position of Ordnance slops.	127.00	269.90	102.25	234.95				

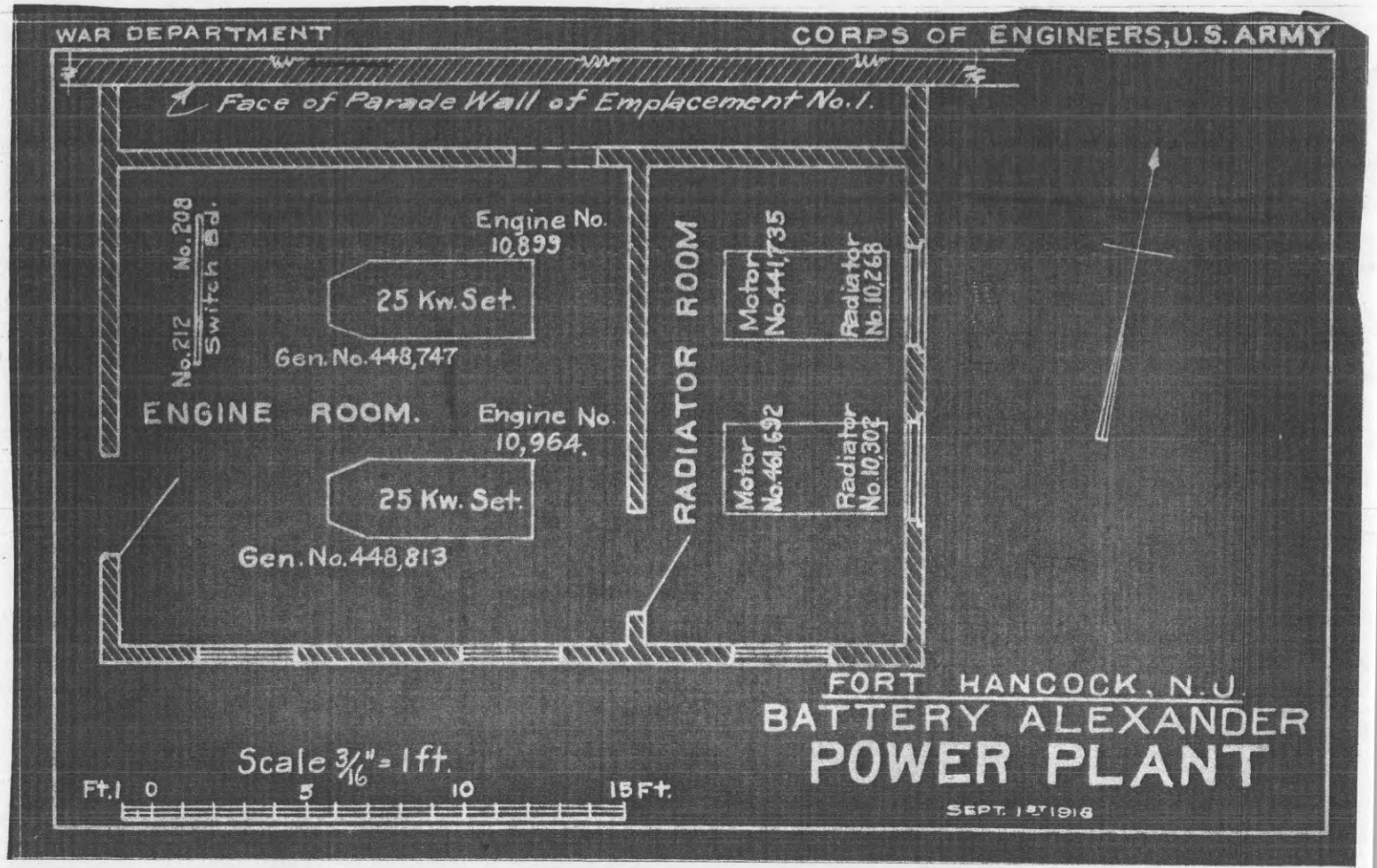
NOTES.

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.


WAR DEPARTMENT
CORPS OF ENGINEERS, U.S. ARMY
Face of Parade Wall of Emplacement No. 1.
No. 208
Switch Bd.
No. 212
Engine No. 10,899
25 Kw. Set.
Gen. No. 448,747
ENGINE ROOM.
Engine No. 10,964.
25 Kw. Set.
Gen. No. 448,813
RADIATOR ROOM
Motor No. 441,735
Radiator No. 10,268
Motor No. 461,692
Radiator No. 10,303
Scale 3/16" = 1 ft.
Ft. 1 0 5 10 15 Ft.
FORT HANCOCK, N.J.
BATTERY ALEXANDER
POWER PLANT
SEPT. 1ST 1918