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

COAST DEFENSES OF Sandy Hook
FORT Hancock, N. J.
* BATTERY Richardson
No. of guns 2 Caliber 12" Carriage Dis

Form 1 Corrected to July 1, 1921

Battery commenced	1902	Sources of electric current	C.P.P.,Bloomfield#1;25 K.W.set and Alexander 25 K.W.sets
Battery Completed	1904		
Date of transfer	Apr.23,1904	Max. kw. required for lights	5-1/4 KW.; KW.based on 50 watt lamps
Material of construction	Concrete	Max. kw. required for motors	30-1/2 K.W.
Portland or Rosendale cement	Portland		
Cost to date of transfer	$100,000.00		
Connected to water supply	Yes	Present condition battery	Good
Connected to sewer	-	Rooms wet or dry	Dry
Type of latrine	-		
Type of data transmission	Telephone (Emp.#1;35.643 " #2;35.685	How ventilated	Through doorways, passages and air spaces.
Trunnion elevation in battery	M.L.W.	Remarks:-	Battery "modernized" platforms widened.
Datum plane			

ARMAMENT

Emplacement or mortar No.	Guns or Mortars						Carriages				
	Cal.	Length	Model	Serial No.	Manufacturer	Mounted	Type	Model	Serial No.	Manufacturer	Motor
1	12"		1895MI	71	Watervliet Arsenal	Yes	Dis	1901	#4	Midvale Steel Co.	Yes
2	12		"	64	do.	"	"	1901	#3	do.	Yes
3											
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	654982	G.E.	7-1/2	110	800	Contractor controller	Apr.3,1918	Yes
2	"	"	642534	G.E.	7-1/2	110	800	" "	Sept.20,1917.	Yes
3										

*Salvage of armament & accessory equipment directed by ASF 11/27/43 - 400.93(N.Y.)CM 74659

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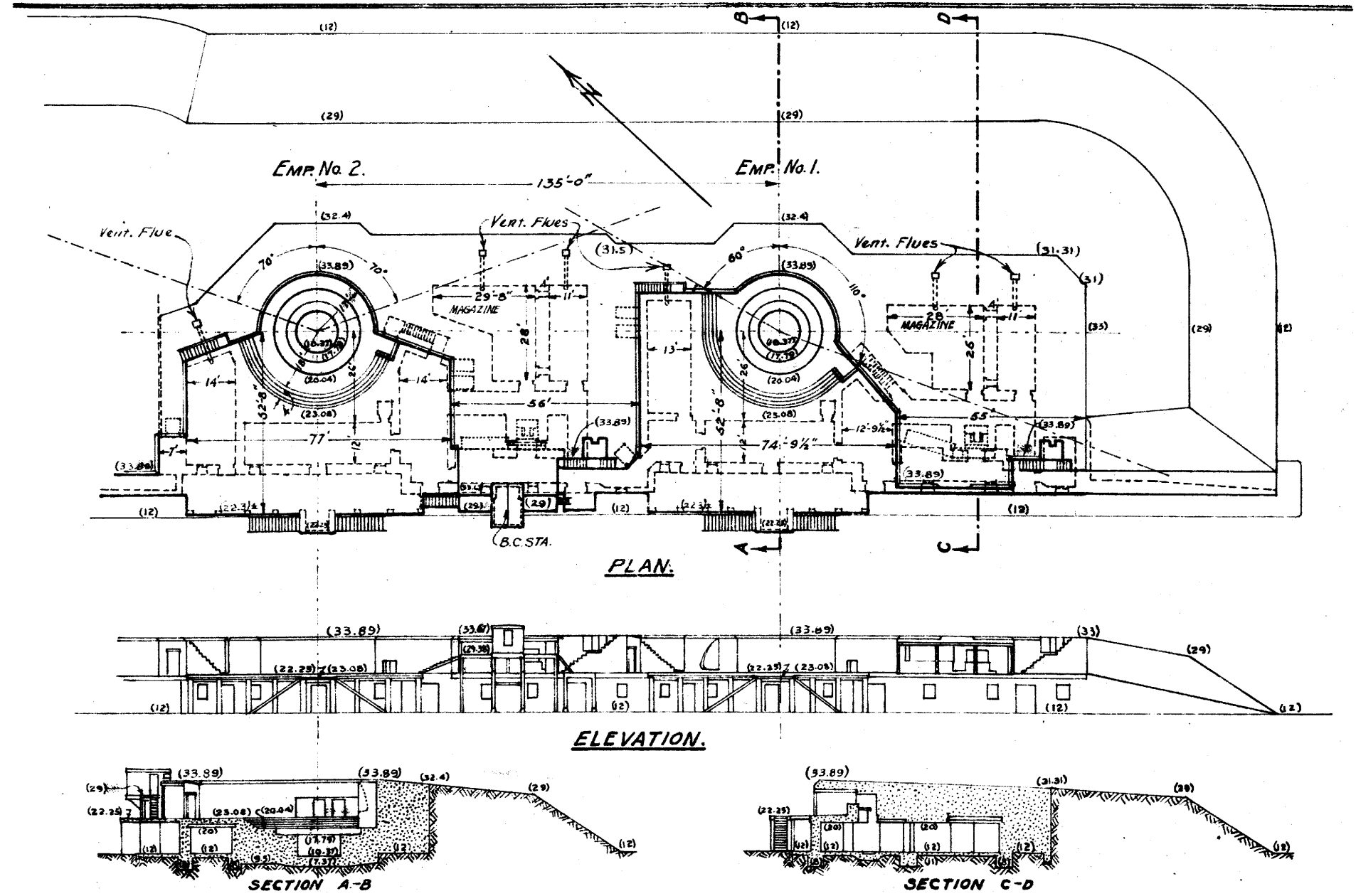
FORT HANCOCK
BATTERY RICHARDSON
No. of Guns 2. Caliber 12" Carriage Dis.
Scale: 1" = 40'



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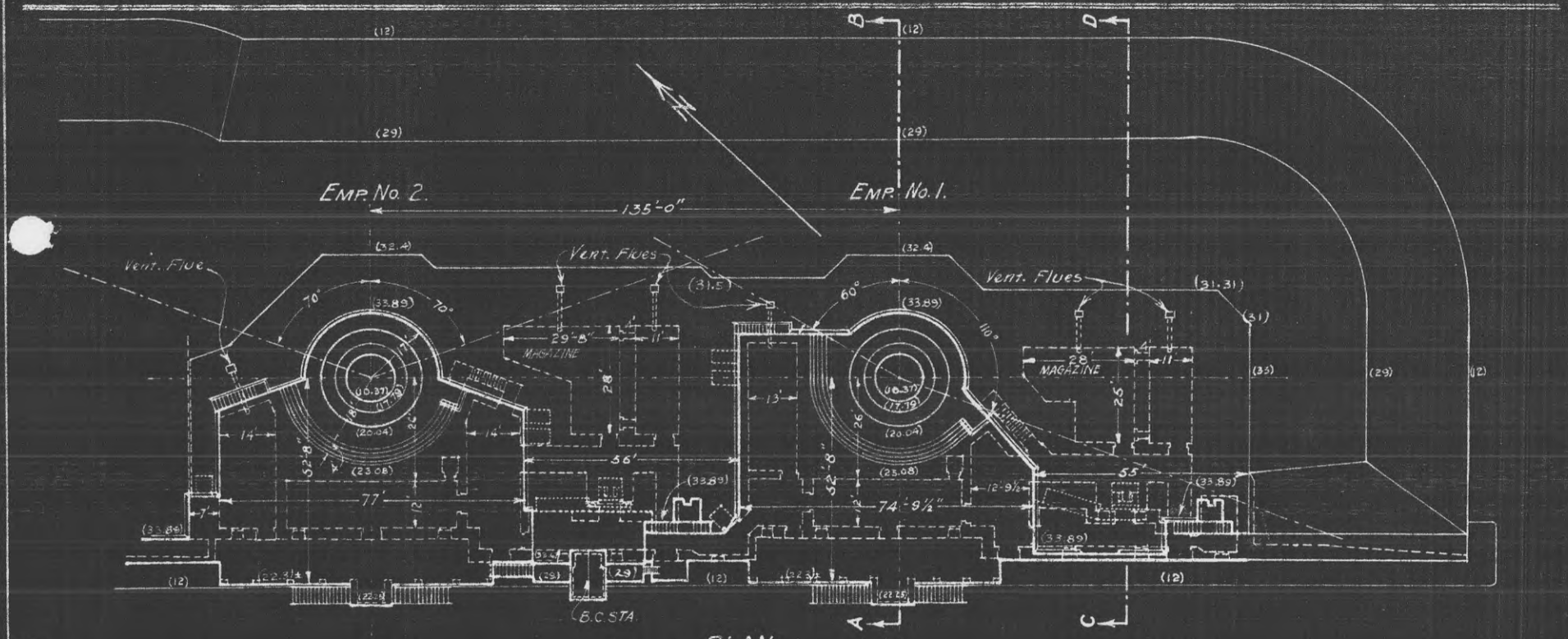
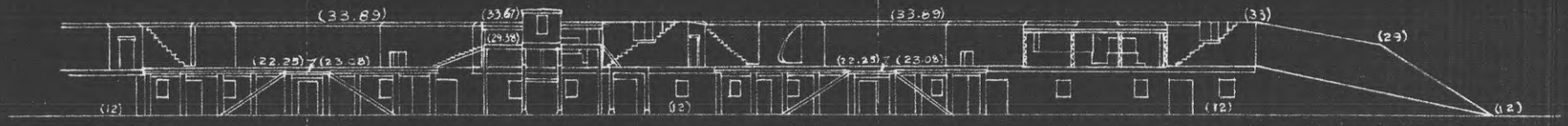
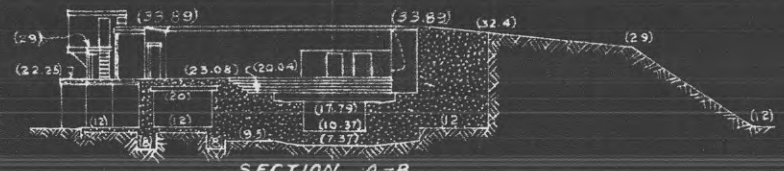


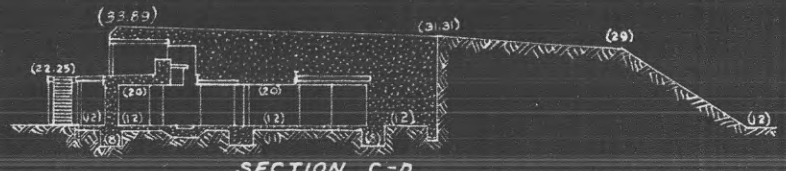
PLAN.



ELEVATION.



SECTION A-B



SECTION C-D

O.M.

COAST DEFENCES OF Sandy Hook

FORT Hancock BATTERY Richardson ✓ NO OF GUNS: 2 CALIBER: 12"

	Emplacement Number 1.	Emplacement Number 2.	Emplacement Number 3	Emplacement Number 4
1-a. Azimuth	176° - 30'	137° - 30'		
b. Distance	870'	135'		
2-a. Model of Gun	1895 MI #71	1895 MI #64		
b. " " Carriage	1901 #4	1901 #3		
c. Type of "	Dis	Dis		
3- Elevations of	-	-		
a. Gun trunnions (in battery)	35.69	35.69		
b. Interior crest	33.89	33.89		
c. Loading platform	23.08	23.08		
4- Angle of depression	0°	0°		

5- Limiting azimuths of field of fire as determined by:	From	To	From	To	From	To	From	To
	° '	° '	° '	° '	° '	° '	° '	°
a. Construction of emplacement	167.37	339.39	154.20	302.33				
b. Interference by adjecent emplacements.	167.37	339.39	154.20	302.33				
c. Interference of other obstacles) external to emplacement.	167.37	339.39	154.20	302.33				
d. Position of Ordnance stops.	172.37	334.39	157.20	299.33				

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 distence of No.1, are given with reference to Bolt on Gun Lift Battery (Battery Potter)

3. Above plane of M. L. W.

5-c. Nature of obstacles: None

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