

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

COAST DEFENSES OF SAN FRANCISCO, CAL.  
FORT... WINFIELD SCOTT.  
BATTERY... HOWE  
No. of ~~guns~~ <sup>MORTARS</sup> ~~EIGHT~~ Caliber 12-INCH Carriage

Form 1 Corrected to 1920  
MARCH 1, 1920

Battery commenced 1893  
Battery completed 1895  
Date of transfer Jan. 1, 1900  
Material of construction Concrete.  
Portland or Rosendale cement Portland.  
Cost to date of transfer \$144,247.15\*  
Connected to water supply Yes.  
Connected to sewer Yes.  
Type of latrine Syphon.  
Type of data transmission Telephone.  
Elevation in floor  
battery of pit 180.9  
Datum plane M.L.L.W.

Source of electric current Central power plant: two 100-k.w. steam driven sets.  
Max. kv. required for lights 4.3 k.w.  
Max. kw. required for motors No motors.  
Present condition of battery Good.  
Rooms wet or dry Dry.  
How ventilated Natural draft. 6" vent from magazine terminating in roof pipe and cap.  
Remarks \* \$144,247.15 cost of Batteries Howe and Arthur Wagner combined.

ARMAMENT.

Emplacement or mortar No.	Cal.	length	Mortars				Carriages				
			model	Serial No.	Manufacturer	mounted	Type	model	Serial No.	Manufacturer	Motor
1 PIT A 2	12"	10'9"	1886M	43	Builders I.Fdy	Yes.	cast iron	1891	22	Builders I.Fdy.	None
2	12"	10'9"	1886	29	Builders I.Fdy	Yes.	do.	1891	23	Builders I.Fdy.	required.
3	12"	10'9"	1886M	38	Builders I.Fdy	Yes.	do.	1891	21	Builders I.Fdy.	" "
4	12"	10'9"	1886M	39	Builders I.Fdy	Yes.	do.	1891	23	Builders I.Fdy.	" "
5 PIT B 1	12"	10'9"	1886M	47	Builders I.Fdy	Yes.	do.	1891	51	Builders I.Fdy.	" "
6	12"	10'9"	1886M	46	Builders I.Fdy	Yes.	do.	1891	49	Builders I.Fdy.	" "
7	12"	10'9"	1886M	44	Builders I.Fdy	Yes.	do.	1891	45	Builders I.Fdy.	" "
8	12"	10'9"	1886M	35	Builders I.Fdy	Yes.	do.	1891	47	Builders I.Fdy.	" "

HOISTS.

Emplacement Number	Type	Delivery	Motor					Date of transfer	Remodeled for long points.
			Serial No.	Maker	H.P.	Volts	RPM		
1									
2									
3									
4									

NO HOISTS REQUIRED.

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

COAST DEFENSES OF.....SAN FRANCISCO, CALIFORNIA.  
FORT. WINFIELD SCOTT

BATTERY, HOWE  
No. of guns 0 Caliber            Carriages 0

Form 1 Corrected to August 15, 1923.

Battery commenced -----	1893	Source of electric current-----	Central power plant: two 100-k.w. steam driven sets.
Battery completed -----	1895		
Date of transfer -----	Jan. 1, 1900.	Max. kv. required for lights-----	4.3 k.w.
Material of construction-----	Concrete.	Max. kw. required for motors-----	No motors.
Portland or Rosendale cement-----	Portland.	Present condition of battery----- Good. Rooms wet or dry----- Dry. How ventilated----- Natural draft. 8" vent from magazine terminating in sheet metal pipe and cap. Remarks----- * \$144,247.15 cost of Batteries Howe and Arthur Wagner combined.	
Cost to date of transfer-----	\$144,247.15 *		
Connected to water supply-----	Yes.		
Connected to sewer-----	Yes.		
Type of latrine-----	Syphon.		
Type of data transmission-----	Telephone.		
Trunnion elevation in floor battery of pit-----	180.8		
Datum plane-----	M.L.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										
2										
3										
4										
5	MORTARS AND CARRIAGES REMOVED.									
6										
7										
8										

HOISTS.

Emplacement Number	Type	Delivery	Motor					Date of transfer	Remodeled for long points.
			Serial No.	Maker	H.P.	Volts	RPM		
1									
2									
3									
4			NO HOISTS REQUIRED.						

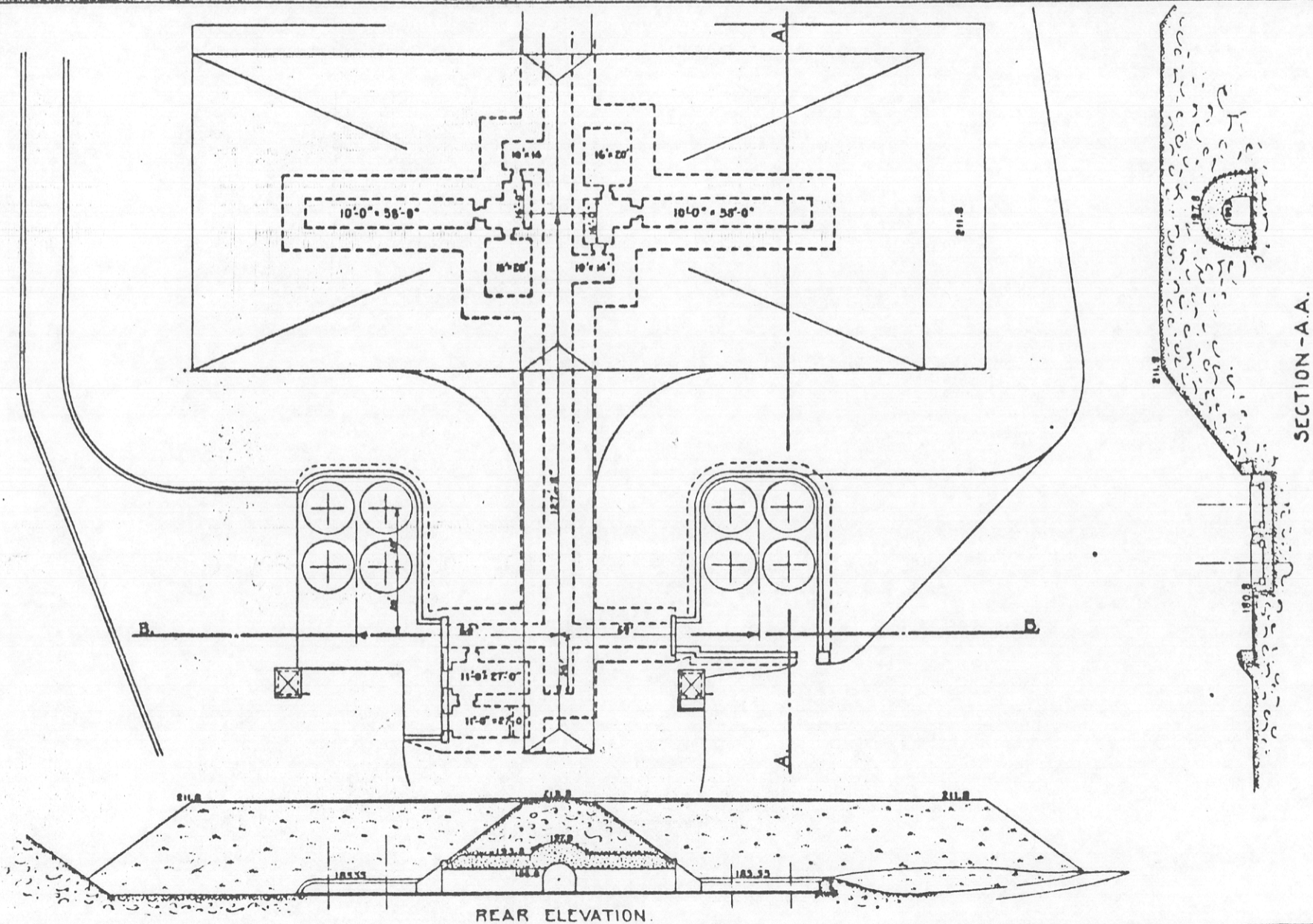
REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATION, U.S.  
(BATTERY PLAN)

COAST DEFENSES OF SAN FRANCISCO, CAL.  
FORT WINFIELD SCOTT  
BATTERY HOWE  
NO. OF MORTARS 8 : CALIBER 12" : MORTAR CARRIAGE

CORRECTED TO DEC. 1919.

FORM-7

10 0 20 30 40 50 60 70 80 90 100 FEET



REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS  
 (BATTERY PLAN)

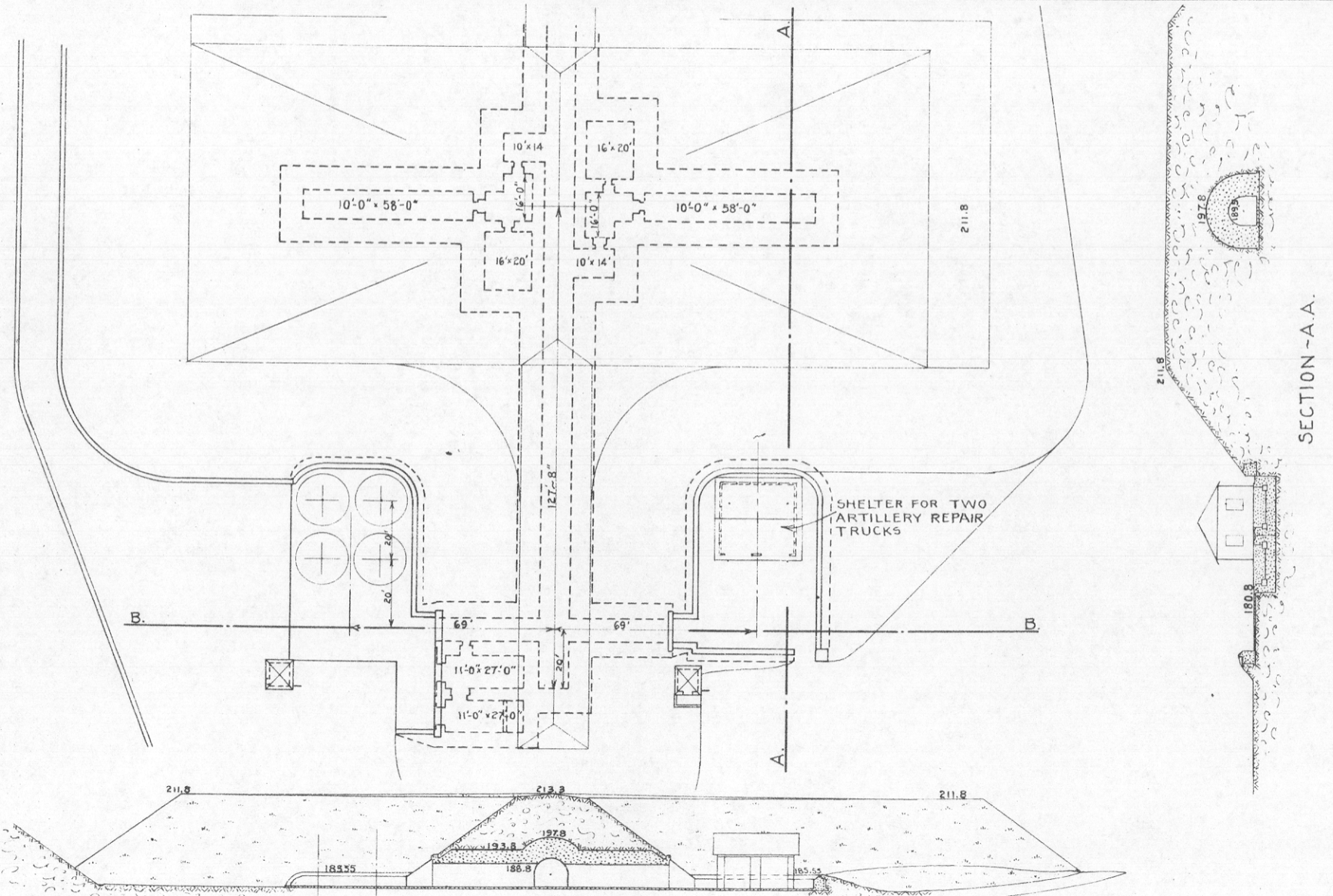
COAST DEFENSES OF SAN FRANCISCO, CAL.  
 FORT WINFIELD SCOTT

BATTERY HOWE

NO. OF MORTARS 0: CALIBER—: NO. OF CARRIAGES 0  
 EMP'TS FOR EIGHT 12" MORTARS.

CORRECTED TO AUG. 1923.

FORM-7



REAR ELEVATION.





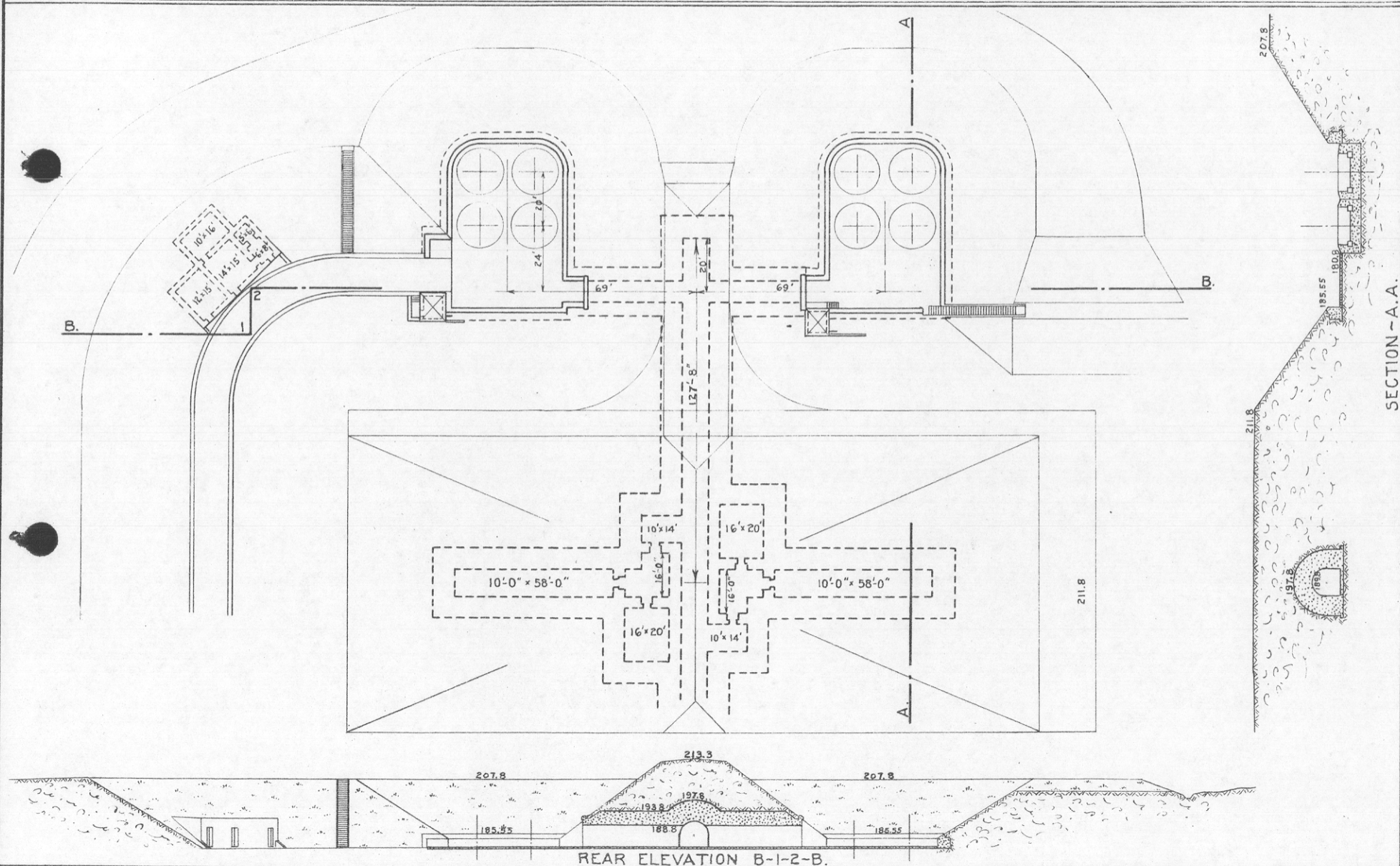
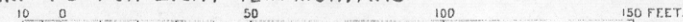
REPORT OF COMPLETED WORKS ~ SEACOAST FORTIFICATIONS  
(BATTERY PLAN)

COAST DEFENSES OF SAN FRANCISCO, CAL.  
FORT WINFIELD SCOTT  
BATTERY ARTHUR WAGNER

CORRECTED TO AUG. 1923.

NO. OF MORTARS 0 : CALIBER — : NO. OF CARRIAGES 0  
EMP'TS. FOR EIGHT 12 IN MORTARS.

FORM-7



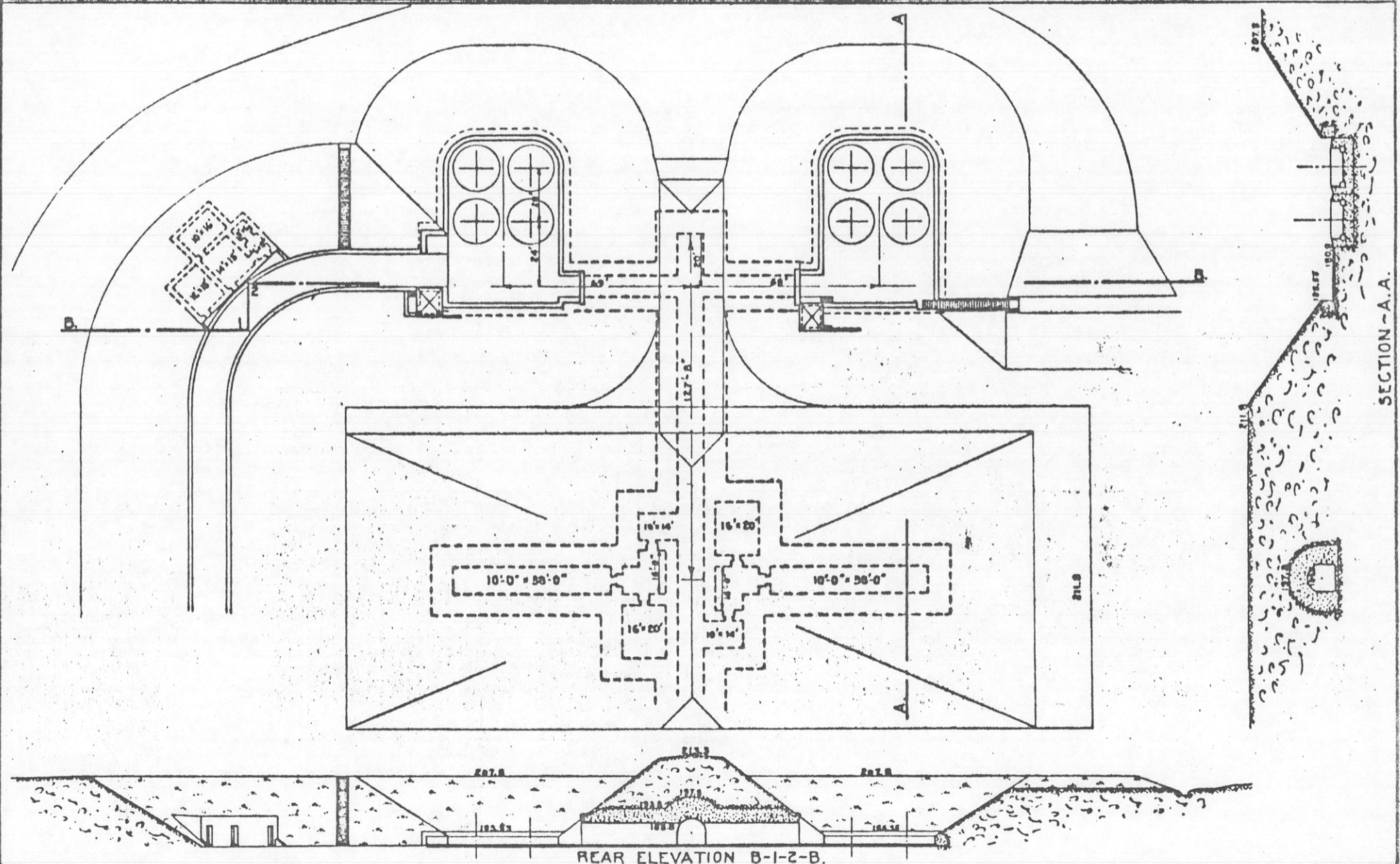
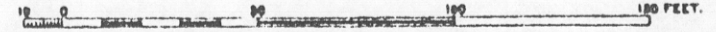
REAR ELEVATION B-1-2-B.

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS  
(BATTERY PLAN)

COAST DEFENSES OF SAN FRANCISCO, CAL.  
FORT WINFIELD SCOTT  
BATTERY ARTHUR WAGNER  
NO. OF MORTARS 8 : CALIBER 12<sup>IN.</sup> : MORTAR CARRIAGE

CORRECTED TO DEC. 1919.

FORM-7



SECTION - A.A.

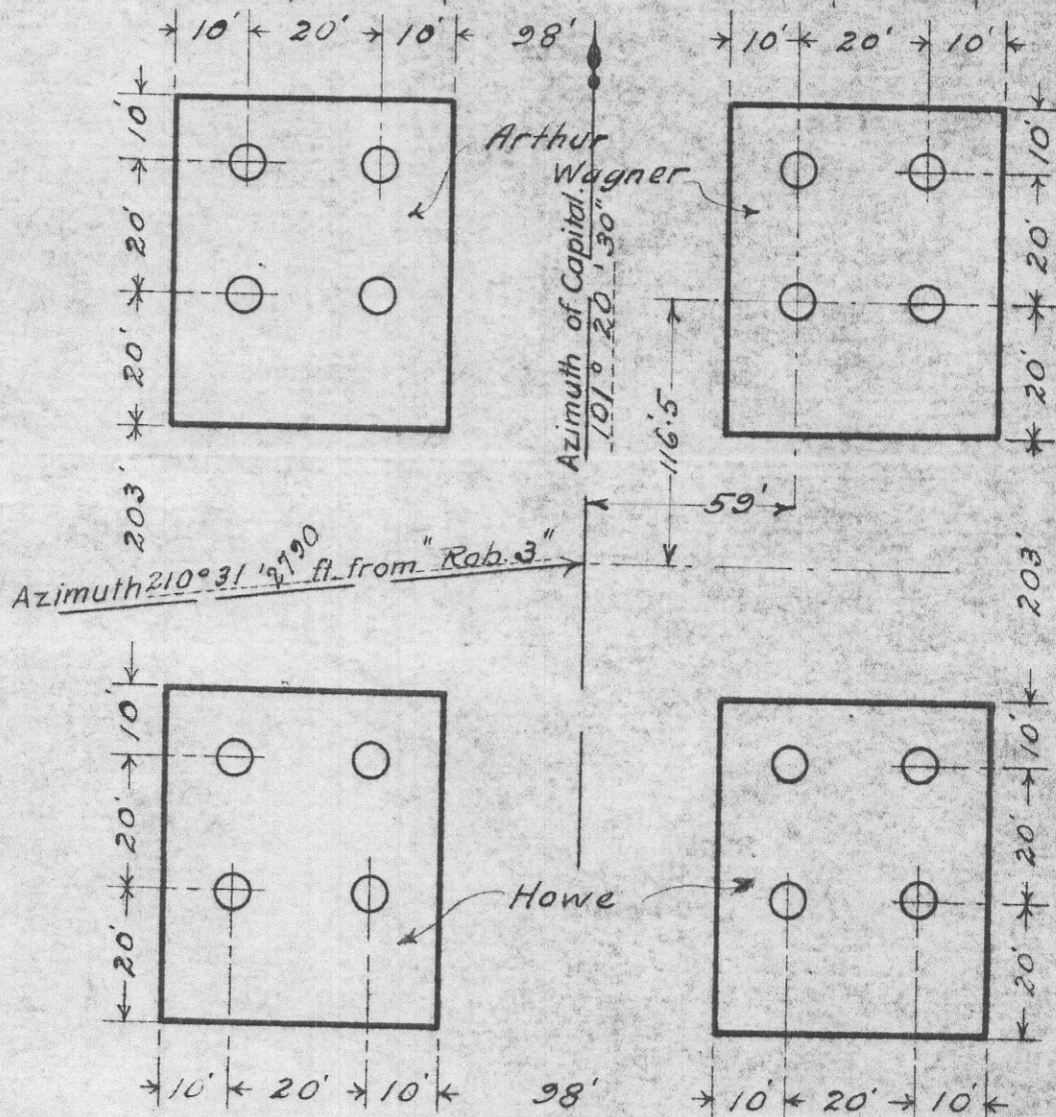
REAR ELEVATION B-1-2-B.



# FORT Winfield Scott. BATTERIES *Arthur Wagner* & *Howe*. 16-12" MORTARS.

ARMAMENT BATTERY <i>Arthur Wagner</i>		
MODELS OF MORTARS CARRIAGES		
PIT A No. 1	1886	1891
" 2	1886	1891
" 3	1886	1891
" 4	1886	1891
PIT B No. 1	1886 M	1891
" 2	1886 M	1891
" 3	1886 M	1891
" 4	1886 M	1891

ARMAMENT BATTERY <i>Howe</i>		
MODELS OF MORTARS CARRIAGES		
PIT A No. 1	1886 M	1891
" 2	1886	1891
" 3	1886 M	1891
" 4	1886 M	1891
PIT B No. 1	1886 M	1891
" 2	1886 M	1891
" 3	1886 M	1891
" 4	1886 M	1891



ELEVATION OF FLOORS OF PITS 180.8 ABOVE PLANE OF M.L.L.W.

Position of "Rob 3"

Lat. 37° 47' ~ 1438.0 metres.

Long. 122° 28' ~ 849.0 "

COLONEL G. H. MENDELL,  
CORPS OF ENGINEERS, U. S. A.,  
OFFICE BOX 2672.

**U. S. Engineer Office,**

*San Francisco, Cal.,* July 27, 1896.

The Chief of Engineers, U.S. Army,  
Washington, D.C.

General:

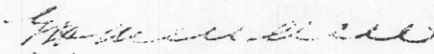
The Mortar Battery No. 1. at Fort Point is complete except in these respects, namely: one breech block is not in place owing to the absence of the console not received from the Ordnance Department, and secondly, no ammunition travelling service has been put in place. Perhaps a general type is to be prescribed.

The Commanding Officer of the Presidio uses the battery for instruction of troops.

I beg to have authority to turn over to his order the Ordnance material, Guns, Mortars and appliances now borne upon my returns, taking receipts therefor.

Very respectfully,

Your obedient servant,

  
Colonel, Corps of Engineers.

OFFICE OF CHIEF OF ENGINEERS

AUG 3

12104

WAR DEPARTMENT,

San Francisco,  
July 27, 1895.

Mendell.

Col. Geo. H.

Request auth. to turn over to the Comdg. Officer of the Presidio, the Ordnance material, guns, mortars and appliances, in his charge.

Mortar Battery No. 1 Fort Point, California is completed except the placing of 1 brick block, in absence of the console not received from Ord. Dept. & ammunition travelling service: perhaps a general type is to be prescribed.

Copy to Chf. of Ord. by inst. Aug. 7, 1895.

Copy to the Bd. of Engrs. by inst. Aug. 7, 1895.

Letter to Sec. of War, Aug. 7, 1895.

Letter to Col. Mendell, Aug. 7, 1895.