

Drawings of the Major Concrete Batteries Harbor Defenses of Los Angeles

Prepared by Mark Berhow

This is a collection of drawings scanned from the reports of completed works (RCWs) form 7s for the major concrete batteries built during the “modern-era” of US seacoast defense construction.

A complete list of established concrete-construction seacoast artillery batteries for this harbor is given here. Not all batteries listed here are represented by a drawing.

* Battery drawing not included in this collection for a variety of reasons. These are mostly the 3-inch AA batteries, the 90 mm & 3-inch AMTB batteries, the 155 mm Panama Mount batteries, and some of the WW II “temporary” batteries.

** RCW is missing from author’s collection.

List Abbreviations;

Bar- barbette, AGL- altered gun lift, CM- barbette mount, casemated emplacement, Dis-disappearing, Mor- Mortar, Ped- pedestal, BP- balanced pillar, MP- masking pedestal, LRBC- long-ranged barbette, SBC- shielded long-range barbette, CBC- casemated long-range barbette, RY- railway mount, RM- railway mount, mortars, FM- field mount, PM- Panama mount, F- fixed mount, M- mobile mount, NP- Navy pedestal mount, NT- Navy turret mount, T- Army turret mount, NB- not built, NC- not completed, NA- not armed, m- millimeter, “-” inch, #xxx denotes World War II battery construction number (in note column if battery was named) or battery tactical number. Gun and carriage types followed by model numbers of ordnance originally mounted where known. Dates are for start of construction, transfer to Coast Artillery (or when armed) and decommissioning (or when disarmed).

LOS ANGELES-LONG BEACH HARBOR

Taft Period

Location	Battery name	# empl.	guns	carriages	const/	compl/	decom	(note)
Ft. MacArthur-U	(Henry B.) Osgood	1	14" M1910MI	Dis M1907MI	1915	1919	1944	(7b)
	(Joesph P.) Farley	1	14" M1910MI	Dis M1907MI	1915	1919	1944	
	(Henry C.) Merriam	1	14" M1910MI	Dis M1907MI	1915	1919	1944	
	(Peter) Leary (Jr.)	1	14" M1910MI	Dis M1907MI	1915	1919	1944	
	John (W.) Barlow	4	12" M1912	Mor M1896MIII	1915	1917	1943	
	(Rufus) Saxton	4	12" M1912	Mor M1896MIII	1915	1917	1943	
Deadman’s Is.	(Richard P.) Lodor	4	3" M1903	Ped M1903	1919	1919	1927	(8)

Post-WW I Period

Location	Battery name	# empl.	guns	carriages	const/	compl/	decom	(note)
Ft. MacArthur-U	*AA	2	3" M1917	Ped M1917	1929	1929	1942	(8a)
Ft. MacArthur-L	*AA	2	3" M1917	Ped M1917	1920	1920	1927	
	“Erwin”	2	14" M1920 MII	RY M1920	1926	1926	1945	(10)
White Point	*AA	2	3"	Ped	1920	1920	?	

WW II Temporary

Location	Battery name	# empl.	guns	carriages	const/	compl/	decom	(note)
Pacific Palisades	*1	2	155m	PM	1942	1942	1944	
Playa Del Rey	*2	2	155m	FM	1942			(11)
El Segundo/ Hyperion	*2	2	6" (Navy)	Ped	1942	1942	1943	(11)
Manhattan Beach	*Eubanks"	2	8"MkVIM3A2	RYM1	1942	1942	1945	
Redondo Beach	*3	2	155m	FM	1942	1942	1943	
Rocky Point	*4	2	155m	PM	1942			(12)
Long Point	*5	2	155m	PM	1942			
Ft. MacArthur U	*6	2	155m	PM				(9)
Bolsa Chica	*7	2	155m	PM	1942			
Costa Mesa	*8	2	155m	PM	1942			(12)
Location	Battery name	# empl.	guns	carriages	const/	compl/	decom	(note)
Santa Barbara	*1	2	155m	PM	1942			
Ventura	*2	2	155m	PM	1942			
Oxnard	*3	2	155m	PM	1942			
Port Hueneme	*4	2	155m	PM	1942			

1940 Program

Location	Battery name	# empl.	guns	carriages	const/	compl/	decom	(note)
Point Vicente	**Harry C. Barnes	2	6" M1903A2	SBC M1	1942	1944		(#240)
White Point	Paul D. Bunker	2	16" MKIIMI	CBC M1919M4	1942	1944	1948	(#127)
Ft. MacArthur-U	#241	2	6" T2M1	SBC M4	1943	1944	1956?	
	*AA	3	3" M1917-A2	Ped M1917MII	1942	1942	194?	(13)
	*Gaffey Bulge	4	90m M1	F+M M3, T3	1942			
Ft. MacArthur-L	*JAAN #1	2	3" M1903	Ped M1903	1942	1942	1945	(8)
	*Navy Field	4	90m M1	F+M M3, T3	1942			
		2	37m	M				
Bluff Park, L.B.	*JAAN #2	2	3" M1903	Ped M1903	1942	1942	1945	(8)
	*Bluff Park	4	90m M1	F+M M3, T3	1942			
		2	37m	M				
Bolsa Chica	**Harry J. Harrison	2	6" T2M1	SBC M4	1943	1944		(#242)
	#128	2	(16")	CBC	1943	NC		(14)
Terminal Island	*Terminal Island	4	90m M1	F+M M3, T3	1942			
		2	37m	M				
Breakwater	*Dolphins	10	37m	M	1942			(15)

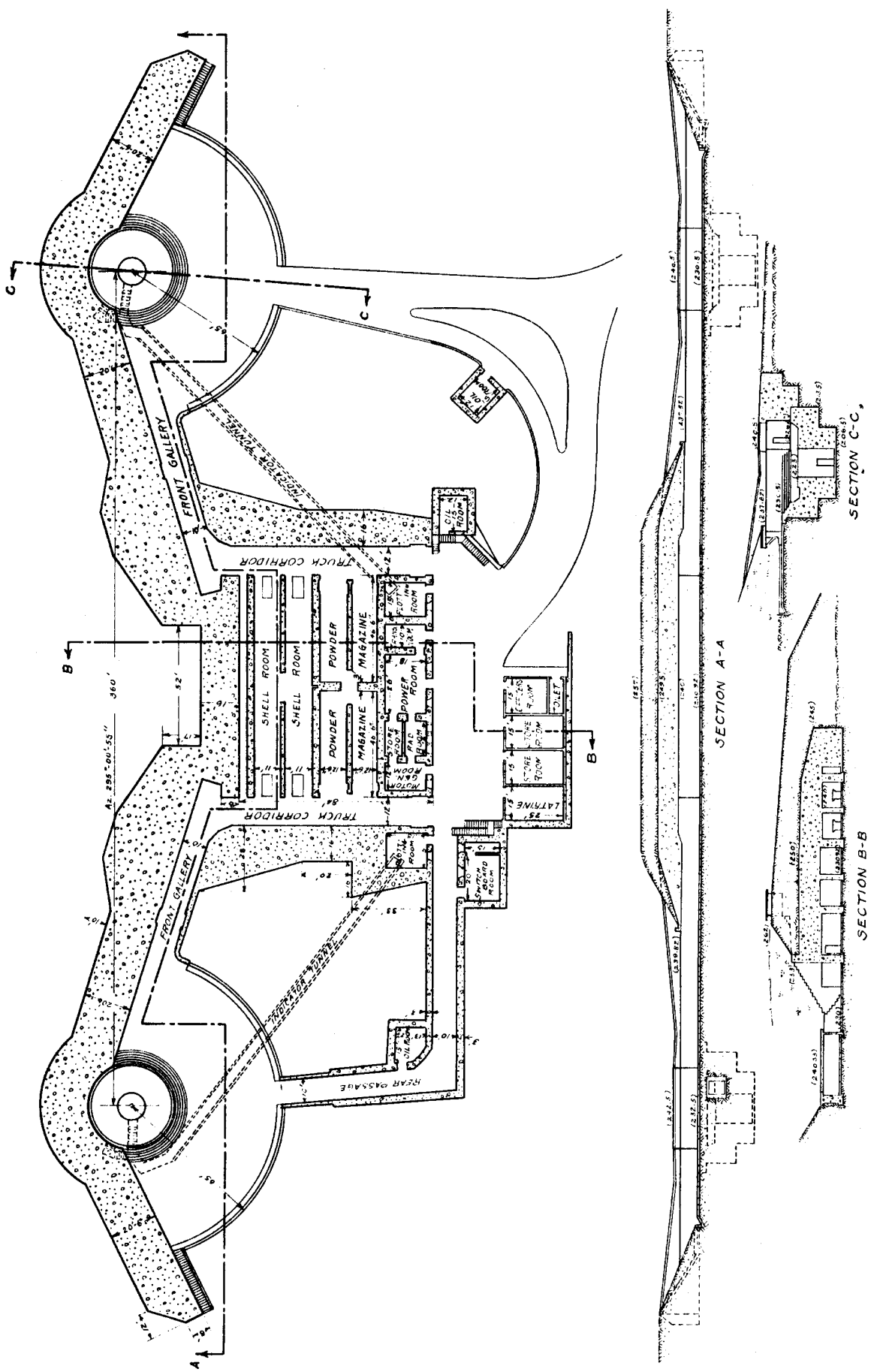
notes:

- (7b) In 1923 the gun from Battery Osgood was dismantled, sent east to Watervliet, modified, returned, and remounted..
- (8) Fort MacArthur was initially composed of two separate tracts of land- the Upper (U), and Lower (L) Reservations. Battery Lodor was at another separate location, on a sand spit connecting the northern tip of Terminal Island and Deadmans Island. In 1927, the guns were taken out and put in storage, and Deadmans Island was removed to widen the harbor entrance. In 1942 Lodor's guns were re-emplaced in the two parts of Battery JAAN. JAAN#1 was located on the Lower Reservation next to the jetty, while JAAN#2 was located at Bluff Park in Long Beach next to Ocean Drive at Lindero St.
- (8a) Four AA emplacements were constructed in 1920: two on the white Point Reservation and two on the bluffs on the Middle reservation. In 1929 the two AA guns at the Lower Reservation were transferred to new positions on the cliff edge on the Upper Reservation. In 1942 a new three gun AA battery was built behind Battery 241. Two of those guns had carriages originally emplaced at White Point.
- (10) In 1926, a single emplacement for the 14" railroad gun was built on the Middle Reservation for the gun which arrived in 1925. A second gun arrived in 1930. In 1936 two emplacements were constructed for the guns on the Lower Reservation and the 1926 emplacement was abandoned.
- (11) The El Segundo site was originally armed with 2-6" Navy pedestal mounted guns, these were later removed and the gun mount modified to hold 2-155mm GPFs, which were transferred from a field mount location in Playa Del Rey.
- (12) Three Panama mounts were constructed at the Rocky Point and Costa Mesa sites, but the sites only received two guns.
- (13) Now buried.
- (14) Sometime after WWII, the guns of Battery Harrison were removed and transferred to Battery 241. Both Battery Harrison and Battery 128 have been destroyed.
- (15) emplacements destroyed.

REPORT OF COMPLETED WORKS ~ SEACOAST FORTIFICATIONS.
 BATTERY PLAN
 CORRECTED TO OCTOBER 6, 1919.

FORM 7

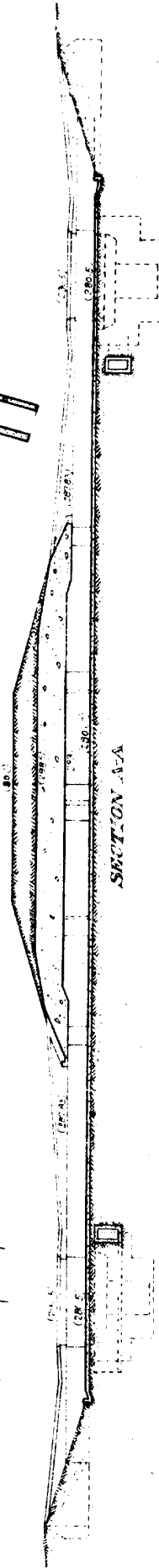
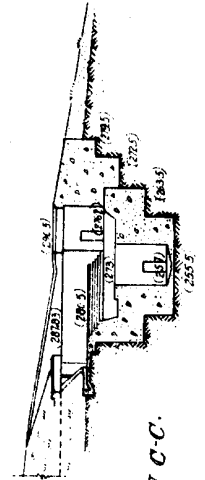
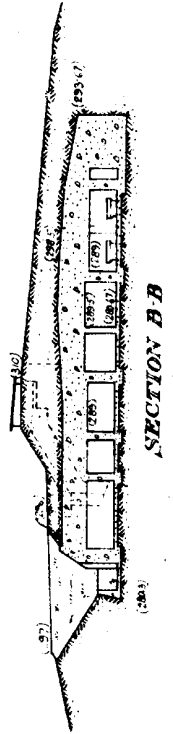
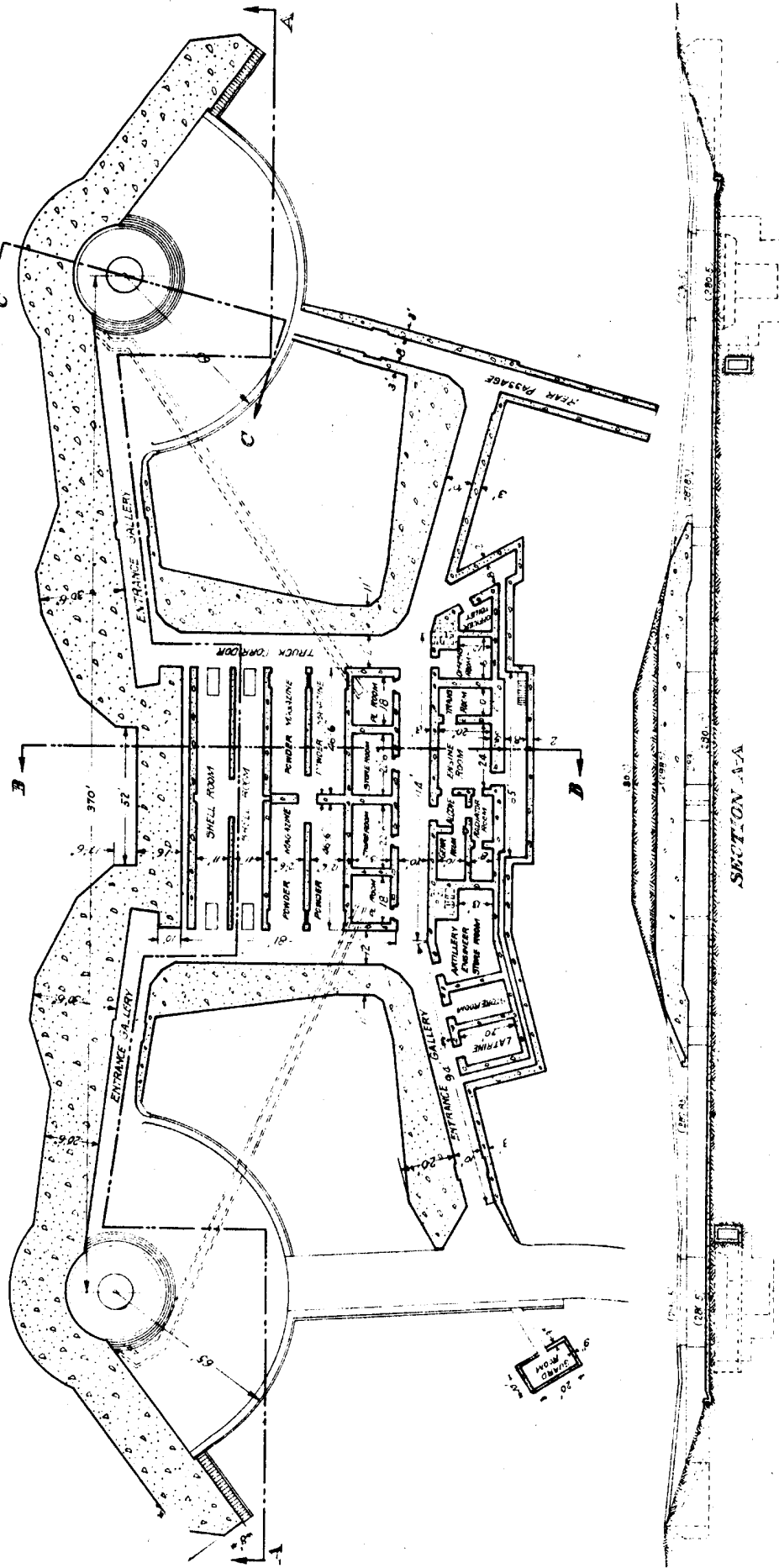
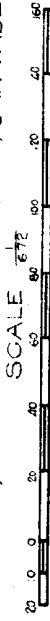
COAST DEFENSES OF LOS ANGELES CAL.
 FORT MACARTHUR.
 BATTERIES OSGOOD AND FARLEY.
 NO OF GUNS TWO CALIBER FOURTEEN INCH CARRIAGE DIS. L.F.



REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
 BATTERY PLAN
 CORRECTED TO OCTOBER 6, 1919.

FORM 7.

COAST DEFENSES OF LOS ANGELES, CAL.
 FORT MACARTHUR, CAL.
 BATTERIES LEARY AND MERRIAM.
 NO. OF GUNS TWO, CALIBER FOURTEEN INCH, CARRIAGE DIS. L.F.

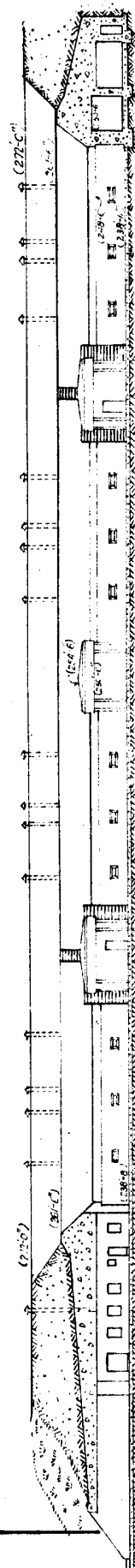
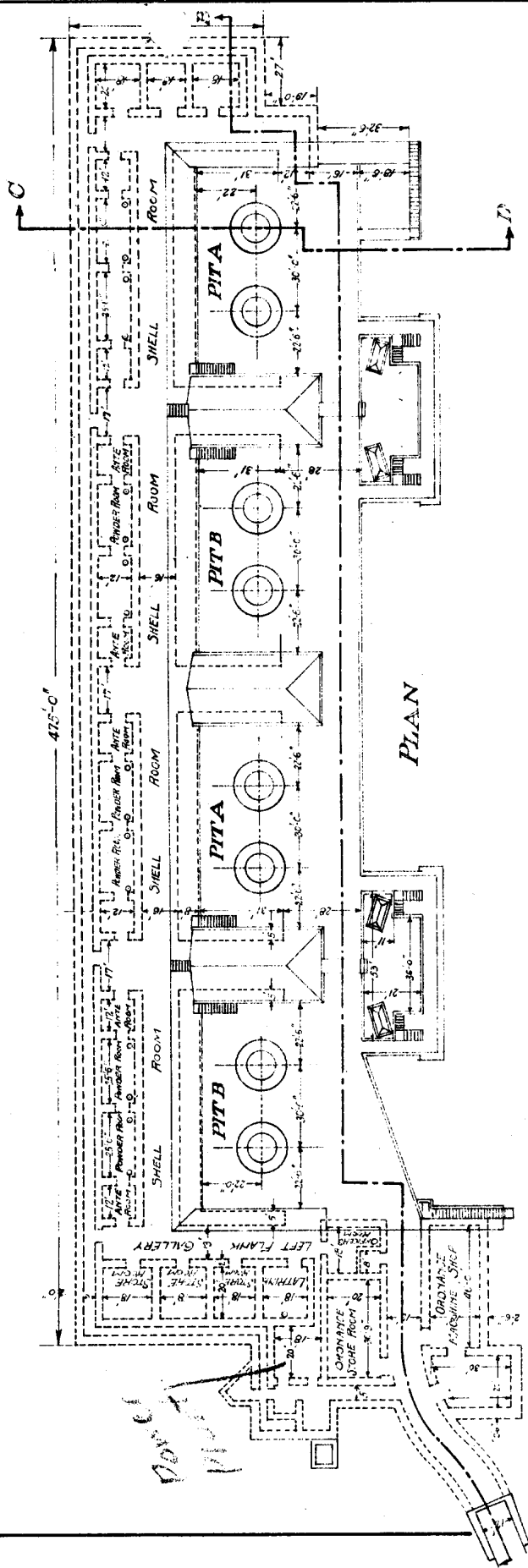


REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
 BATTERY PLAN
 CORRECTED TO JUNE 27, 1919.

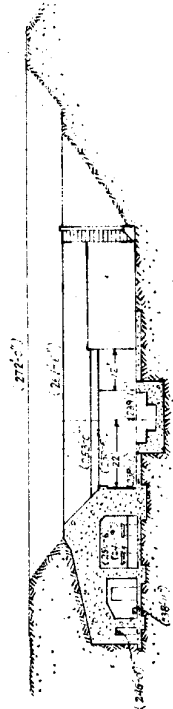
FORM 7.

COAST DEFENSES OF LOS ANGELES, CAL.
 FORT MAC ARTHUR, CAL.
 BATTERIES SAXTON AND JOHN BARLOW.
 NO OF GUNS EIGHT, CALIBER TWELVE-INCH CARRIAGE MORTAR

SCALE = 672



REAR ELEVATION A-B.

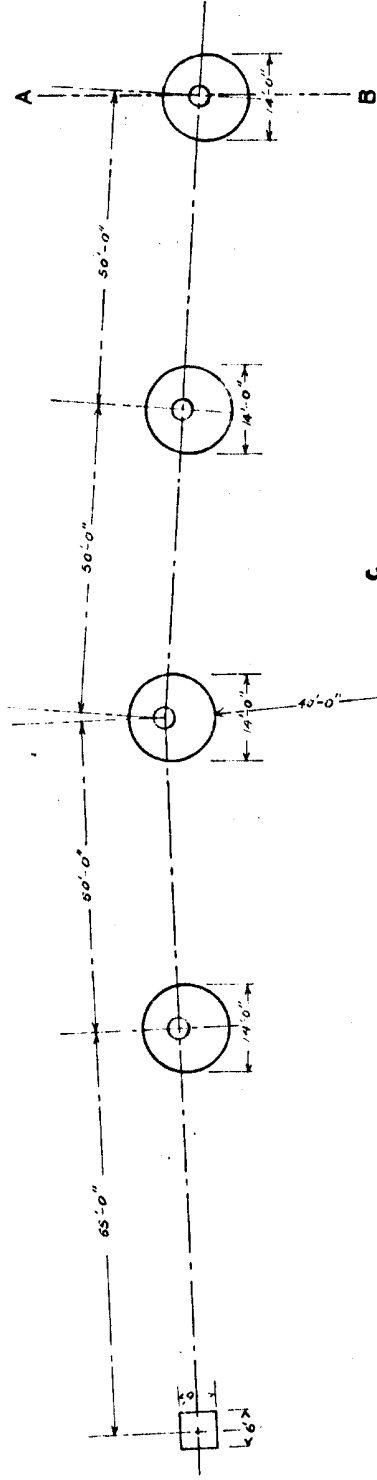
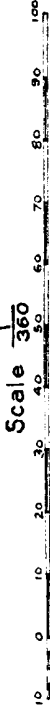


SECTION C-D.

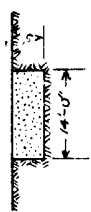
REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
 BATTERY PLAN
 CORRECTED TO APRIL 3, 1919.

COAST DEFENSES OF LOS ANGELES, CAL.
 FORT McARTHUR
 BATTERY LODOR
 NO OF GUNS FOUR CALIBER THREE INCH CARRIAGE BARB.

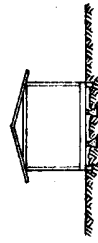
FORM 7.



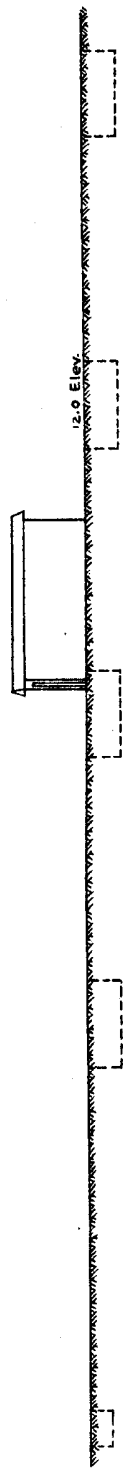
PLAN



Section A-B



Section C-D



REAR ELEVATION

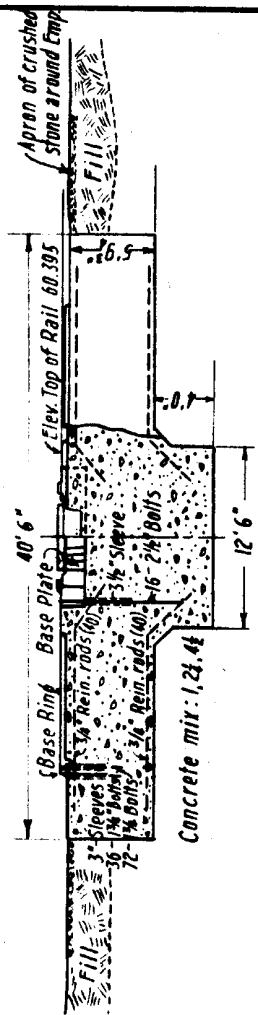
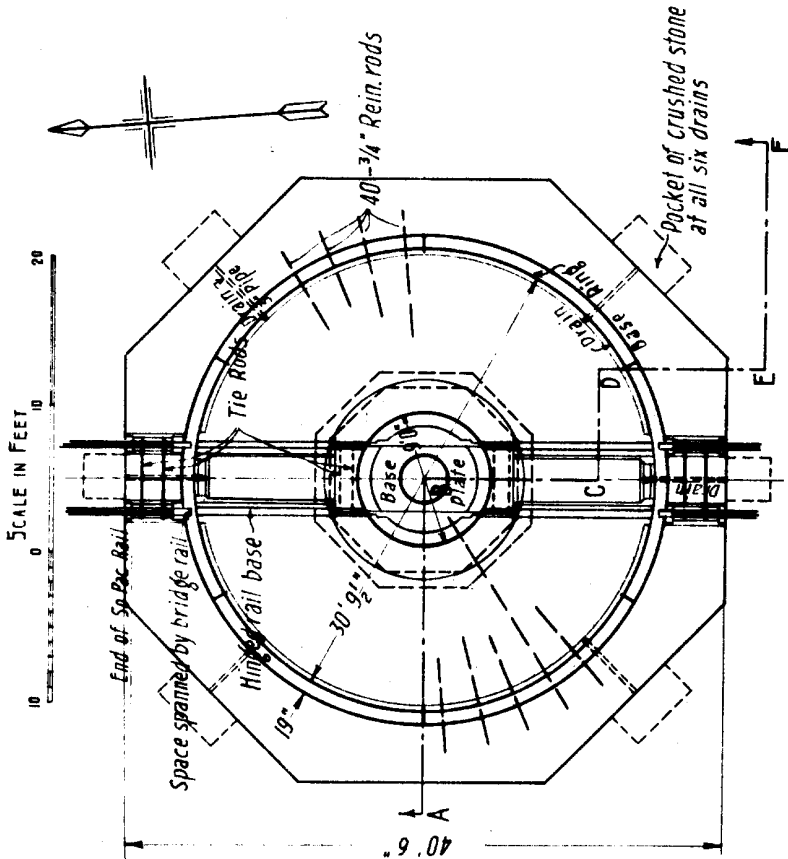
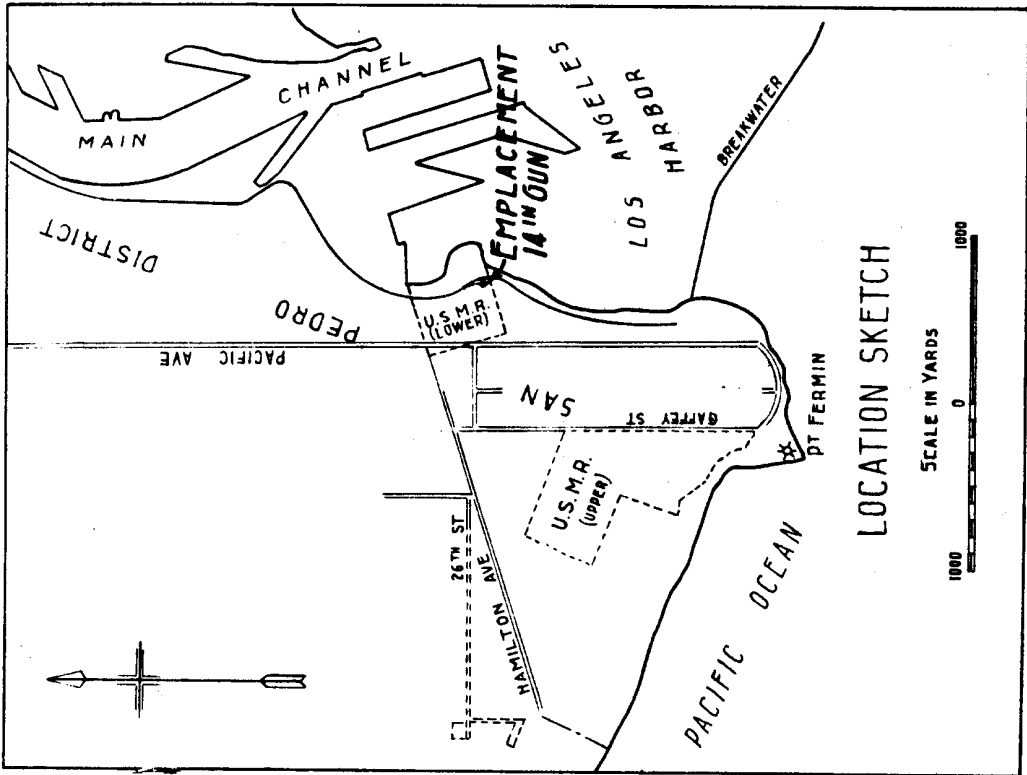
REPORT OF COMPLETED WORKS SEACOAST FORTIFICATIONS
 BATTERY PLAN
 CORRECTED TO MARCH 29, 1926.

FORM 7

COAST DEFENSES OF LOS ANGELES, CALIF.
 FORT MACARTHUR

BATTERY: 14 IN GUN, RY. MOUNT
 NO OF GUNS: ONE CALIBER: FIFTY

CARRIAGE: RY. MOUNT



REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.

HARBOR DEFENSES OF LOS ANGELES, CALIFORNIA.

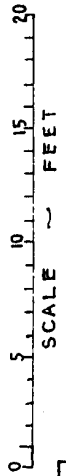
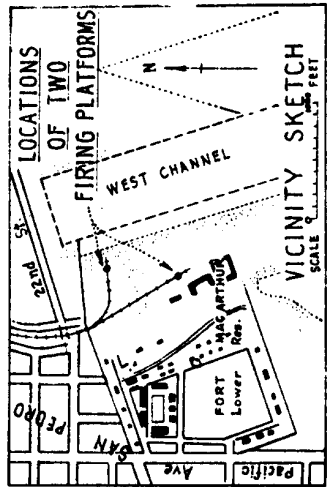
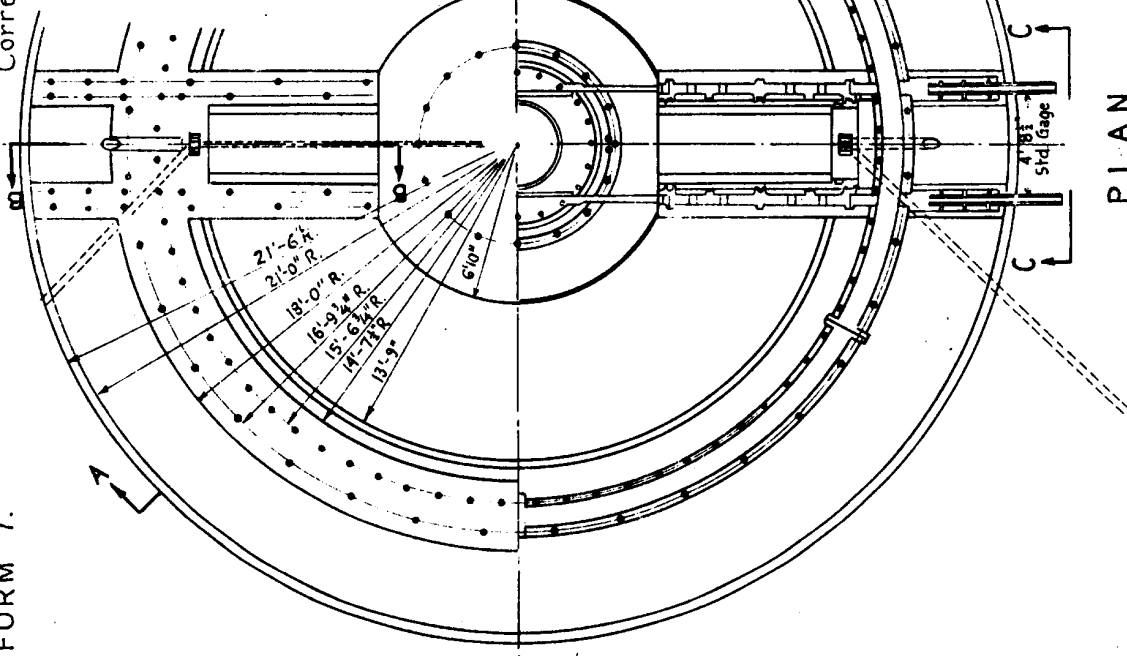
FORT MAC ARTHUR

FIRING PLATFORM

No. of guns-TWO. Caliber-14 INCH. Carriage-R.Y.

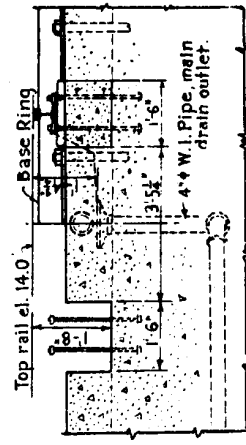
FORM 7.

Corrected to July, 20, 1942

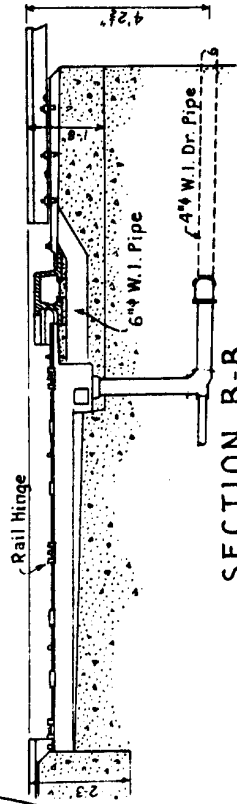


Note:

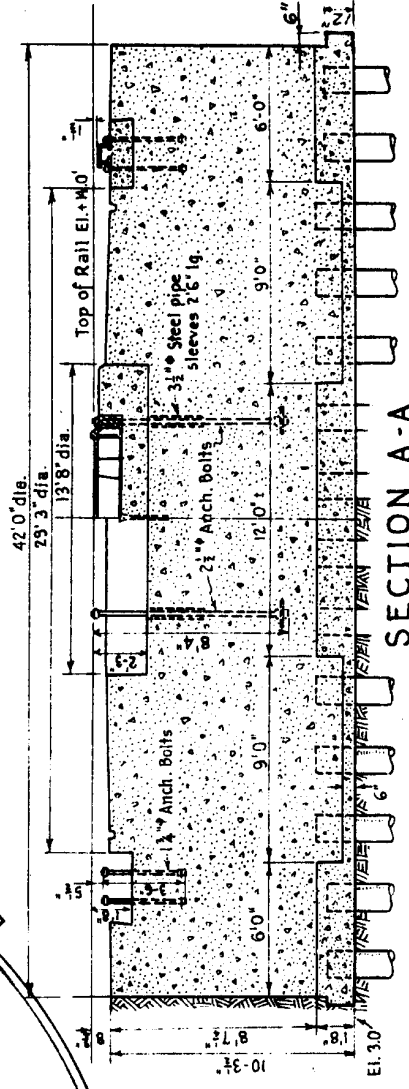
Each firing platform enclosed by No. 6 ga. woven wire mesh fence 84" high. 14-150 watt lights mounted on top.



ELEVATION C-C.



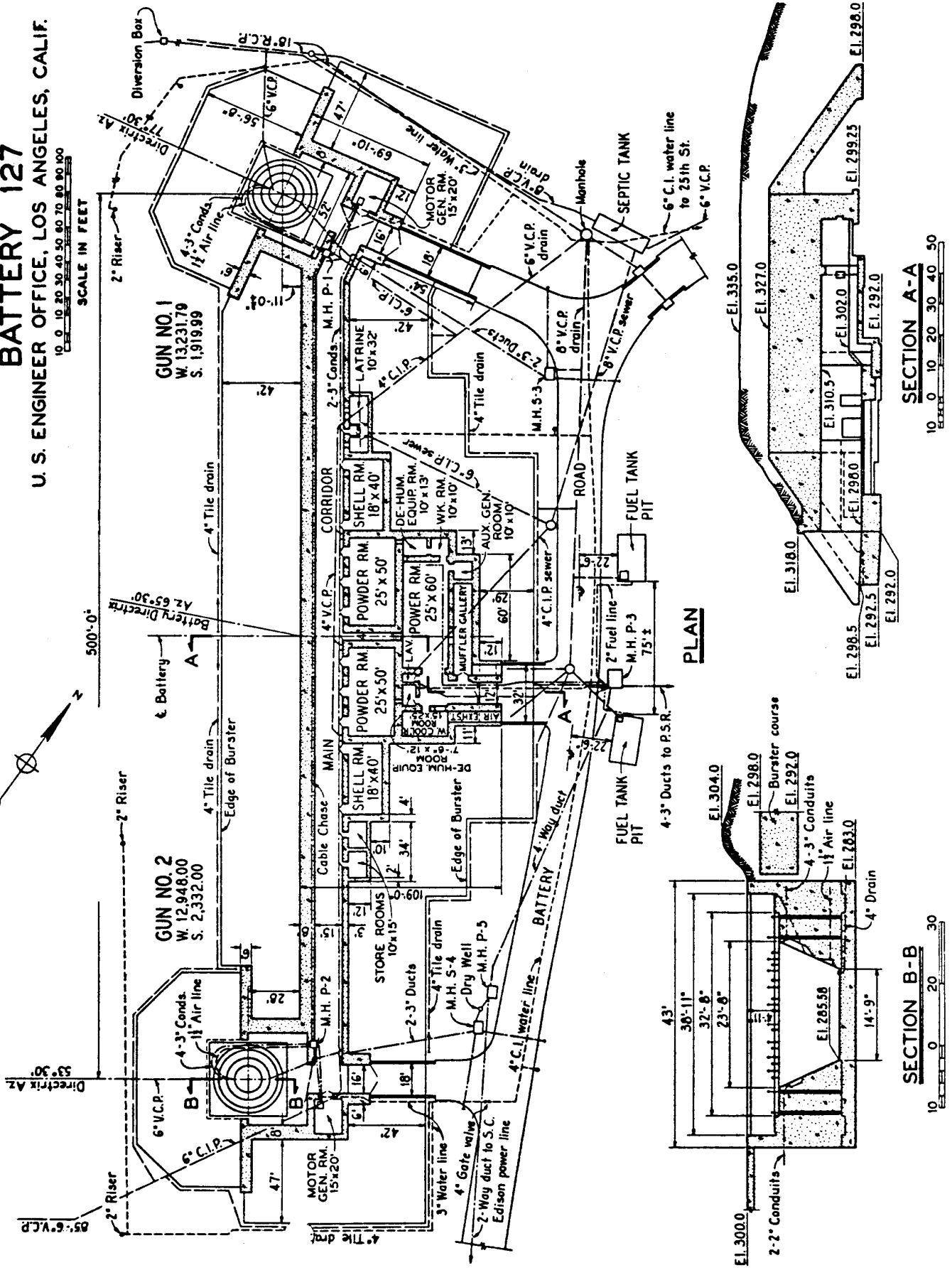
SECTION B-B.



SECTION A-A.

HARBOR DEFENSES OF LOS ANGELES, CALIF.
BATTERY 127
 U. S. ENGINEER OFFICE, LOS ANGELES, CALIF.

PART VII



PLAN

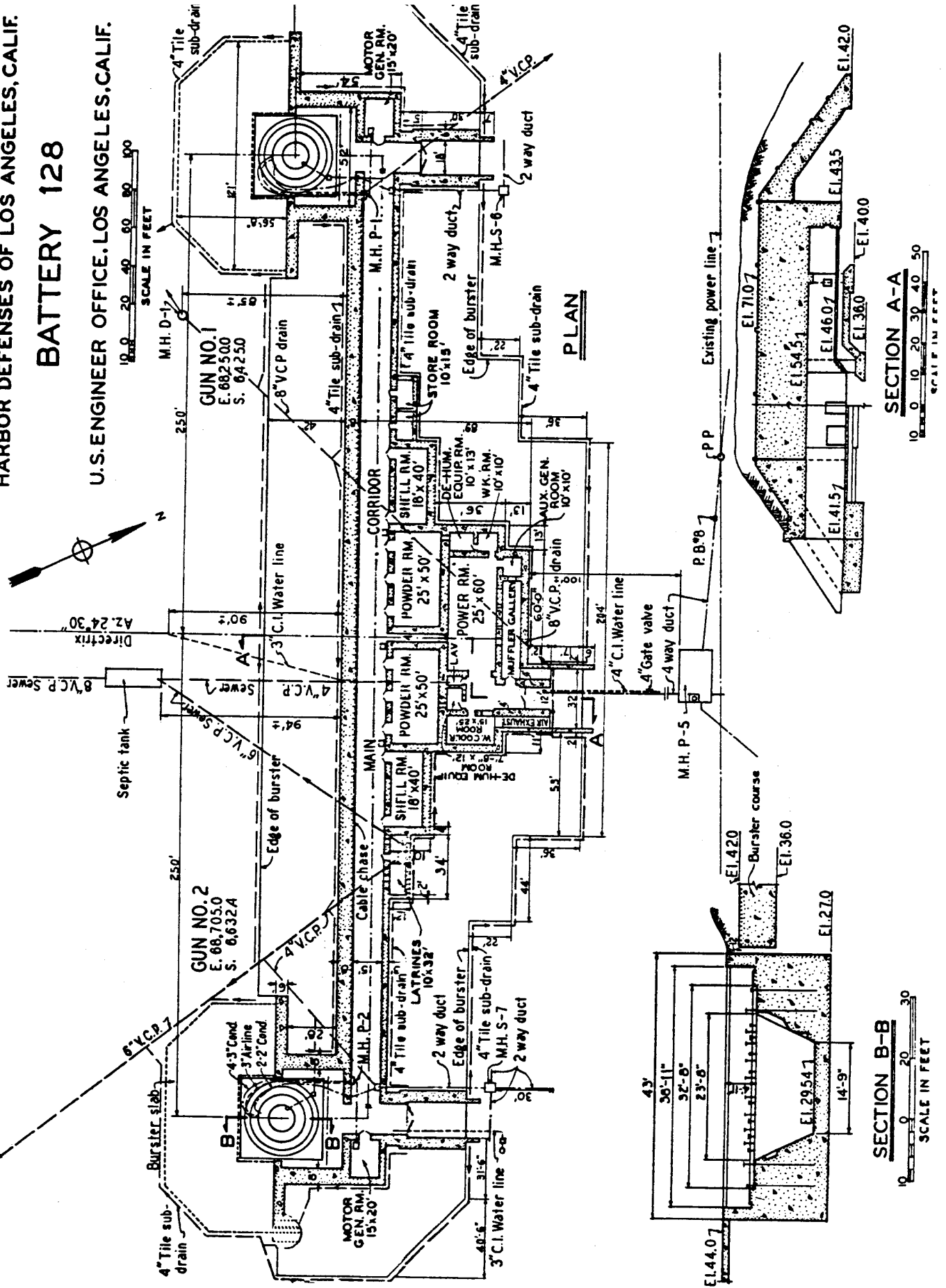
SECTION A-A

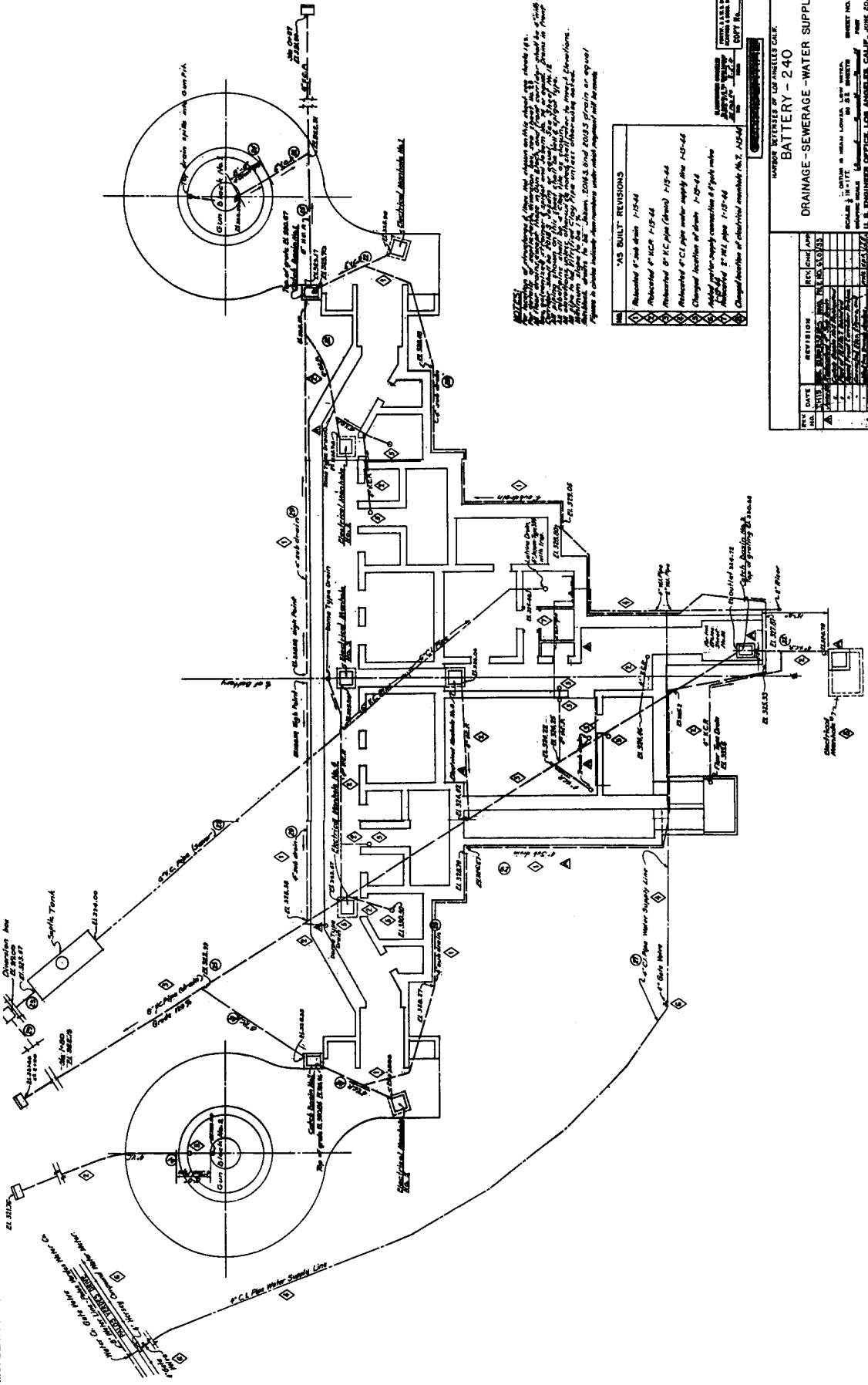
SECTION B-B

HARBOR DEFENSES OF LOS ANGELES, CALIF.

BATTERY 128

U.S. ENGINEER OFFICE, LOS ANGELES, CALIF.





NOTE: The drainage system shown on this plan is based on the assumption that the building is to be used as a barracks. It is assumed that the drainage system will be installed in accordance with the specifications of the War Department. The drainage system shown on this plan is based on the assumption that the building is to be used as a barracks. It is assumed that the drainage system will be installed in accordance with the specifications of the War Department.

"AS BUILT" REVISIONS

1	Revised 4" water main	1-15-44
2	Revised 4" S.C.P. 1-15-44	
3	Revised 8" S.C.P. (Sewer) 1-15-44	
4	Revised 4" C.I. pipe water supply line 1-15-44	
5	Changed location of drain 1-15-44	
6	Added water supply connection & 8" pipe main 1-15-44	
7	Added 4" S.C.P. 1-15-44	
8	Changed location of electrical mainline No. 2, 1-15-44	

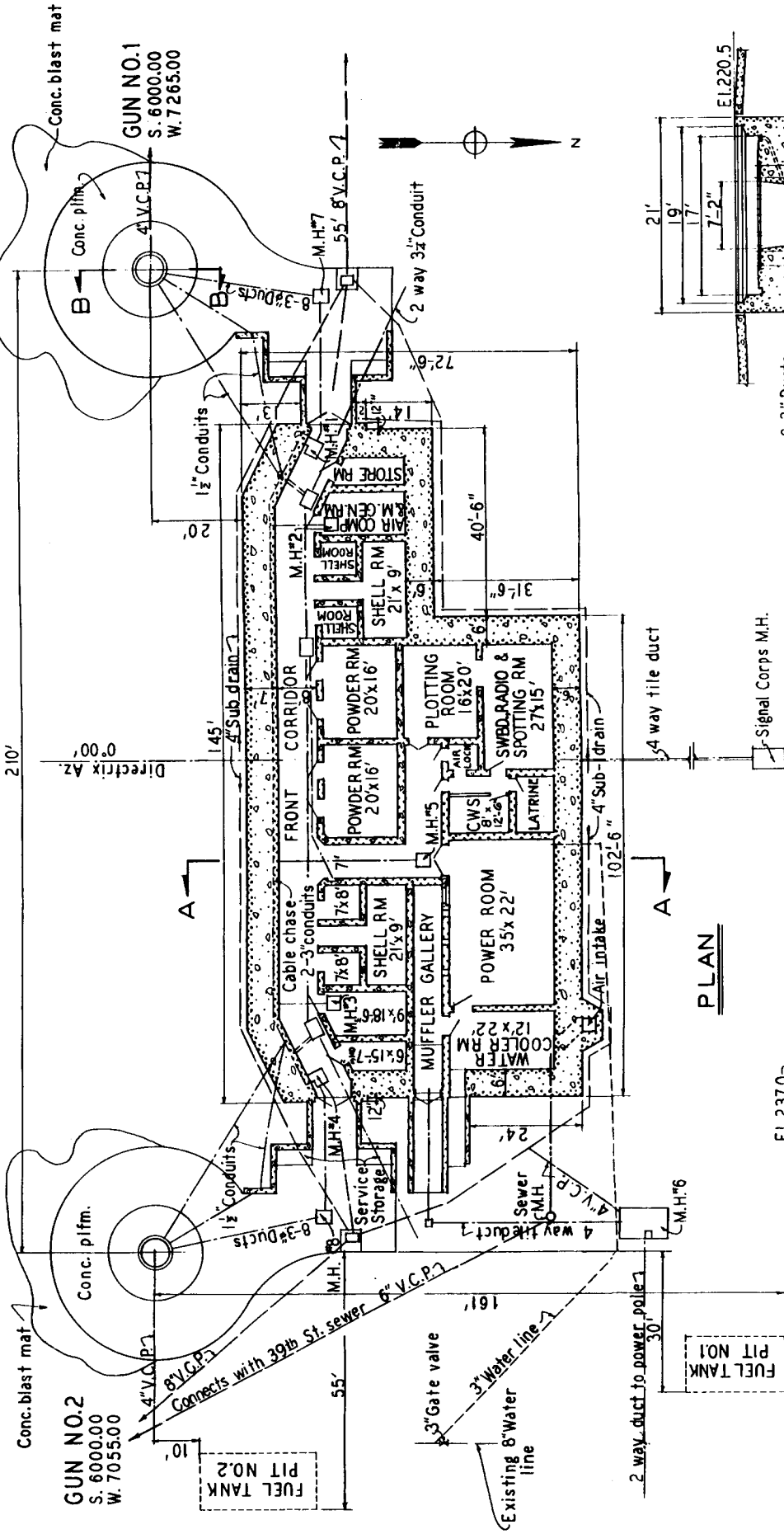
WAR DEPARTMENT OF LOS ANGELES CALE
BATTERY - 240
 DRAINAGE-SEWERAGE-WATER SUPPLY

REV.	DATE	REVISION	BY	CHKD.	APP.
1	1-15-44	AS BUILT	...	...	...
2	1-15-44	AS BUILT	...	...	...
3	1-15-44	AS BUILT	...	...	...
4	1-15-44	AS BUILT	...	...	...
5	1-15-44	AS BUILT	...	...	...
6	1-15-44	AS BUILT	...	...	...
7	1-15-44	AS BUILT	...	...	...
8	1-15-44	AS BUILT	...	...	...

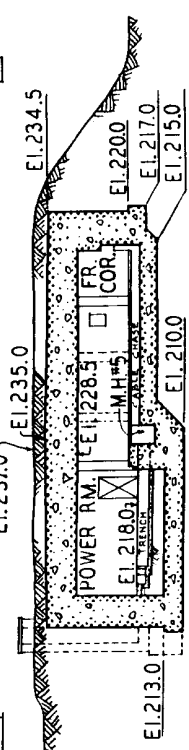
SCALE: 1/4" = 1'-0"
 SHEET NO. 22
 DRAWING NO. 100-100-100-100
 PROJECT NO. 100-100-100-100
 DATE: MAY 10, 1944

HARBOR DEFENSES OF LOS ANGELES, CALIF.
BATTERY 241
U.S. ENGINEER OFFICE, LOS ANGELES, CALIF.

SCALE IN FEET
0 10 20 30 40 50



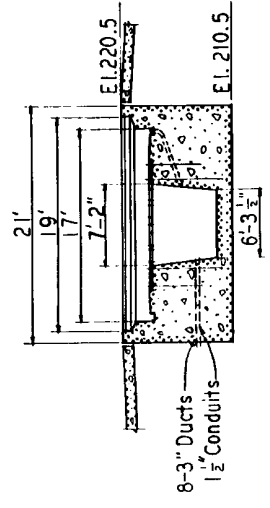
PLAN



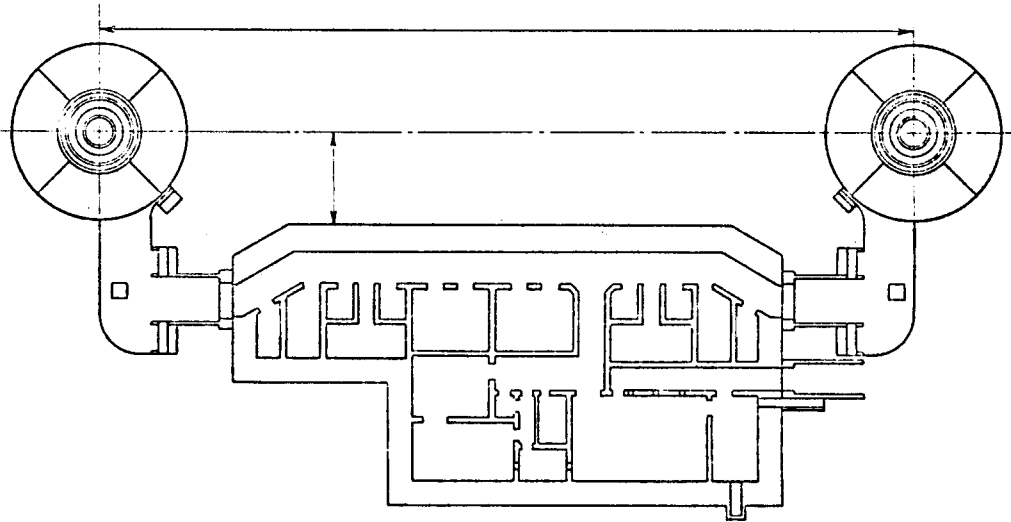
SECTION A-A

SECTION B-B

SCALE IN FEET
0 10



Battery Construction Number 242



Plan for Battery 246 (very similar to Battery #242)

