

600,974 (San Diego) 118577
 REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
 (Batteries)

118579
 CONFIDENTIAL
 HARBOR DEFENSES OF SAN DIEGO
 FORT ROSECRANS
 BATTERY (CONSTR. NO.) 237
 Caliber 6-INCH

SPEKM-1

No. of guns 2
 Carriage BARBETTE

Part I Corrected to 4 January 1945

GENERAL:

Battery commenced: 4 March 1943
 Battery completed: 29 October 1943
 Date of transfer: 31 August 1944
 Cost to date of transfer: \$255,912.24
 Materials of construction: Reinforced concrete
 Battery new or modernized: New

Union elevation in battery: 105.0
 Datum plane: Mean Lower Low Water

UTILITIES:

WATER SUPPLY

Source of: City of San Diego Water Department
 Alternate source: None
 Size of main: 10-inch (3-inch line to battery)

SEWER:

Connected to sewer: No
 Type of disposal: Septic tank
 Type of latrine: Syphon-jet

" UTILITIES: (Contd.)

" ELECTRIC POWER

" Sources of: Main generators in power room
 " Procured & installed by: Ordnance Department
 " Characteristics: Voltage 460 AC 3 - Phase
 " Number of units and capacity: 3 at 125 KVA; 80% P.F.
 " Max. K.W. required for utilities: 22.58
 " Max. K.W. required for nonbattle conditions: 27.58
 " Commercial power provided: Yes Capacity: 2400/480/240
 " * Auxiliary power unit provided: No
 " Type of lighting fixtures: Direct
 " Dehumidifying unit: None installed
 " Rooms wet or dry: Dry
 " How ventilated: Air conditioned
 " How heated: By air conditioning system

" DATA TRANSMISSION:

" Type: M-7

" REMARKS:

" * Commercial power is auxiliary source
 " Origin of U.S.E.D. local coordinates is U.S.C. & G.S. Station
 " "Old Town"
 " Azimuth: Clockwise from south

ARMAMENT

Emplacement Number	Cal.	Length	Model	Guns		Manufacturer	Mounted	Type	Model	Carriages		Serial No
				Serial No.						Serial No.	Manufacturer	Motor
1	6"	302.90"	1903A-2	40		Watervliet Ars.	Oct 1944	Barb.	Barb.	103	Watertown Ars.	16-50F982
2	"	"	"	55		"	"	"	"	109	"	37-49F161

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BATTERY 237

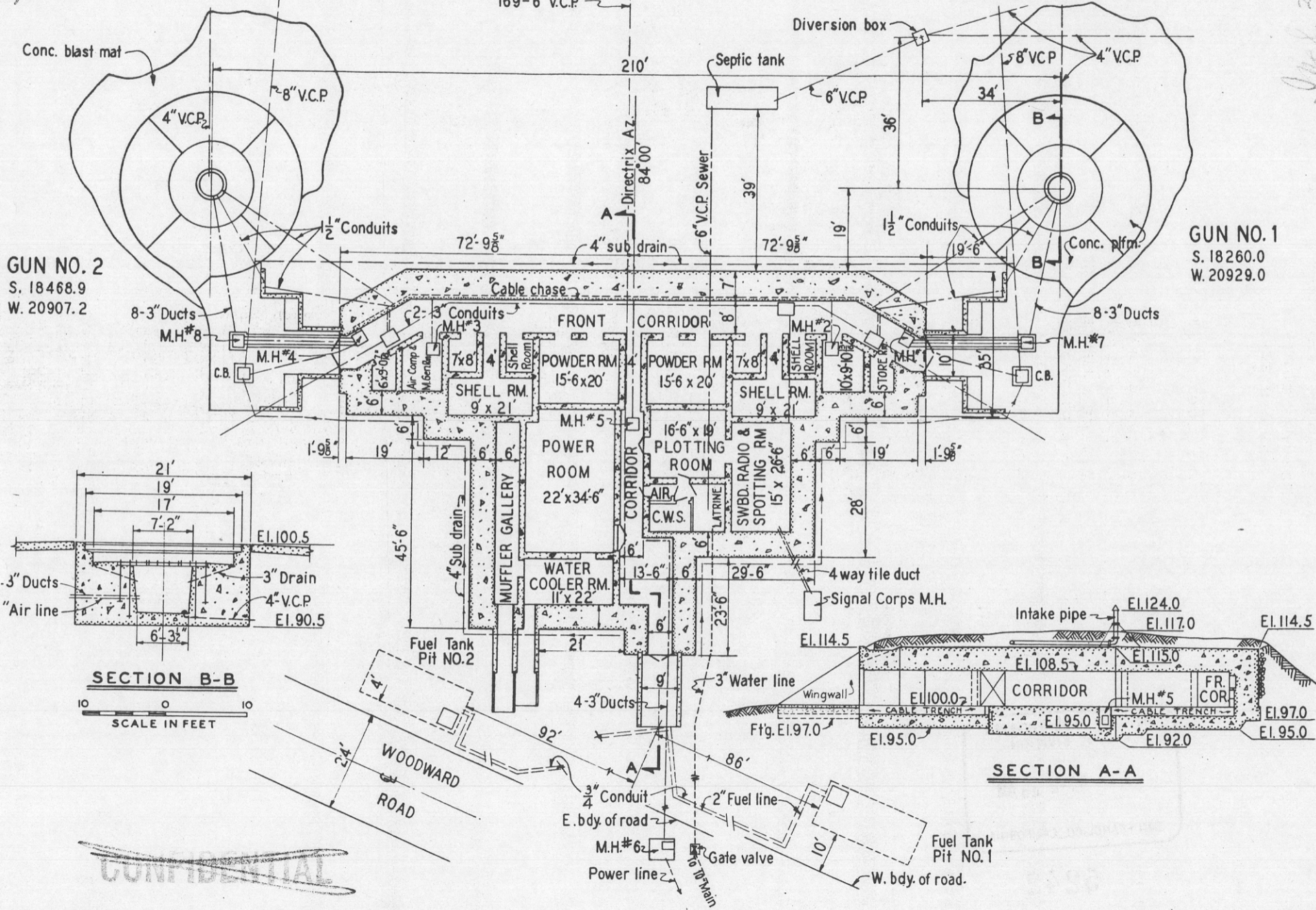
U. S. ENGINEER OFFICE, LOS ANGELES, CALIF.

10 0 10 20 30 40
SCALE IN FEET

118579

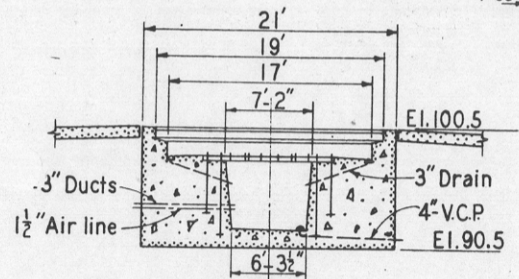
~~CONFIDENTIAL~~

Incl 3'

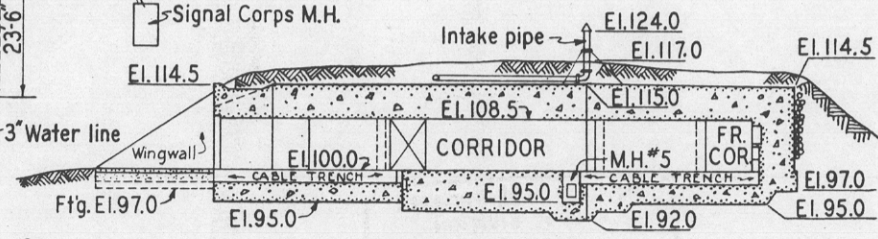


GUN NO. 2
S. 18468.9
W. 20907.2

GUN NO. 1
S. 18260.0
W. 20929.0



SECTION B-B
10 0 10
SCALE IN FEET



SECTION A-A

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600.914 (San Diego) 118579

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Electric Plants)

SPEKM-1

HARBOR DEFENSES OF SAN DIEGO
FORT ROSECRANS
POWER FOR BATTERY (CONSTR. NO.) 237
PROCURED & INSTALLED BY ORDNANCE118579
~~CONFIDENTIAL~~

Part V Corrected to 4 January 1945

	Serial No.	Type	Size	Mfg	Date of Trans.	Cost	Condition	RPM	Type of Drive	Water Cooler for Engine No.	Fuel	Switchboard Mate- No. of rial Panels
Engine No. 1	VO-1960	Diesel	BB-5	Worth's	g'tn	*	*	Good	600	Direct	Diesel	
No. 2	VO-1959	"	"	Pump & Mfg		*	*	"	"	"	Oil	
No. 3	VO-2045	"	"	Company		*	*	"	"	"	"	
A.C. Generators												
No. 1	7S18P867		100 KW	West's	g'hse	*	*	"	"	"		
No. 2	47S18P867		"	"	"	*	*	"	"	"		
No. 3	46S18P867		"	"	"	*	*	"	"	"		
Water Cooler		(Model)										
No. 1	1,055,974	#1		Worth's	g'tn	*	*	"		1		
No. 2	1,055,973	"		Pump & Mfg		*	*	"		2		
No. 3	1,055,972	"		Company		*	*	"		3		
A.C. Motor												
Generators												
No. 1	7-18P874	SK	5 KW	West's	g'hse	*	*	"	2000	Linkbelt		
No. 2	47-18P874	"	"	"	"	*	*	"	"	"		
No. 3	46-18P874	"	"	"	"	*	*	"	"	"		
Switchboard	- - -	BUZ-64816	7.5'x	"		*	*	"			10 ga.	7
		BU-2950-74	12'								steel	
Transformers												
Panel No. 1	3308431	J.R.	1.5KVA	"		*	*	"		(Operating - for generators)		
No. 2	3308440	"	"	"		*	*	"		"	"	"
No. 3	3308587	"	"	"		*	*	"		"	"	"
" No. 7												
(3 Transfmrs)												
	3305040	"	10 KVA	"		*	*	"		(Distribution)		
	3305002	"	"	"		*	*	"		"		
	3304999	"	"	"		*	*	"		"		
Auxiliaries												

NOTE: For KW distribution - see reverse

* Information not available - Procured & transferred by Ordnance Department.

DISTRIBUTION OF KW

Gun motors	2 - 10 HP	14.92 KW
Compressor in power room	5 HP	3.73
Ventilating fan in power room	1 HP	.75
Microtherms on coolers	3 - .5 amp	.04
Cooling fan motors	3 - 1 HP	2.24
Damper control motors	3 - .5 amp	.04
Water pump motors	3 - 2 HP	4.48
Spray pump motors	3 - 1/4 HP	.56
Cooling fan motors	3 - 1 HP	2.24
C.W.S. equipment	3 - 1/2 HP	1.12
Fuel pumps	2 - 3/4 HP	1.12
Air scavenger motors	2 - 15 HP	22.38
Governor motors	3 - .35 amp	.15
Float switches	2 - 1/5 HP	.30
Space heaters (in switchboard)	5 - 100 W	.50
Space heaters (in switchboard)	6 - 250 W	1.50
Lighting	22 - 200 W	4.40
Lighting	60 - 100 W	6.00
Spare	3000 W	3.00
Air conditioning unit (motor)	1/4 HP	.18
Air conditioning unit (strip heaters)	3 - 4 KW	12.00

Total . . . 81.65 KW

OFFICE DIVISION ENGINEER
PACIFIC DIVISION

JAN 5 45-11 00 AM

SAN FRANCISCO, CALIFORNIA

5242