

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS (Batteries)

HARBOR DEFENSES OF LOS ANGELES

FORT MAC ARTHUR

BATTERY (CONSTR. NO.) 127 No. of guns 2
Caliber 16-INCH Carriage: BARBETTE

Part I Corrected to 21 June 1945

DECLASSIFIED

DOD Dir. 3200.9, Sept. 27, 1958
DOWN by 20 date 6-11-70

134278

GENERAL:

Battery commenced: April 1942
Battery completed: December 1943
Date of transfer: 11 September 1944
Cost to date of transfer: \$1,256,409.80 (see also remarks)
Materials of construction: Reinforced concrete
Battery new or modernized: New

Munition elevation in battery: 305.67

datum Plane: Mean Lower Low Water *Declared Surplus*

UTILITIES: *Disposition Form from Dept. dated 10 May 48, file CAGSP/C2 21001, subject H.D. Installation*
WATER SUPPLY (*Declared Surplus*) *includes Fire Control*

Source of: City of Los Angeles
Alternate source: None
Size of main: 6"

SEWER:

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

UTILITIES:

ELECTRIC POWER

Sources of: Main generators (by Ordnance Dept.)
Procured & installed by: Ordnance
Characteristics: Voltage 460 AC 3-phase 60 cycle
Number of units and capacity: 3 at 375 KVA
Max. K.W. required for utilities: 15 KW
Max. K.W. required for nonbattle conditions: 60 KW
*Commercial power provided: Yes Capacity: 75 KVA
*Auxiliary power unit provided: No
Type of lighting fixtures: Direct (explosion proof)
Dehumidifying unit: None installed
Rooms wet or dry: Dry
How ventilated: 15" dia. vent shaft (latrine)
How heated: Not heated

DATA TRANSMISSION:

Type: M-5

REMARKS:

* Commercial power provided is auxiliary for lighting, utilities, miscellaneous needs other than for guns and carriages when guns are not in use.
Cost includes installation of gun shields.
Origin local coordinates: U.S.C. & G.S. sta. "R" (Deadman's Island).

ARMAMENT

Emplacement Number	Cal.	Length	Model	Guns		Manufacturer	Mounted	Type	Model	Serial No.	Carriage		Serial No.
				Serial No.							Manufacturer		
1	16"	66.7'	Mark II	54		Watervliet Arsenal	July '44	Barbette	M-4	30	Wellman Engr Co		KX9013
2	16"	66.7'	"	72		"	"	"	M-4	45	Mesta		KX9009

Ref. Letter AG-AD-3 660 (11 May 48) CAGSP/C2 21001, 14 May 48 sub H.D. Installation
C.E. 6th Army has selected const. 127 as probably joint command Post for
Southern Calif. (dis info in classified message from C.E. 6th Army to COMNAV for Dept.)

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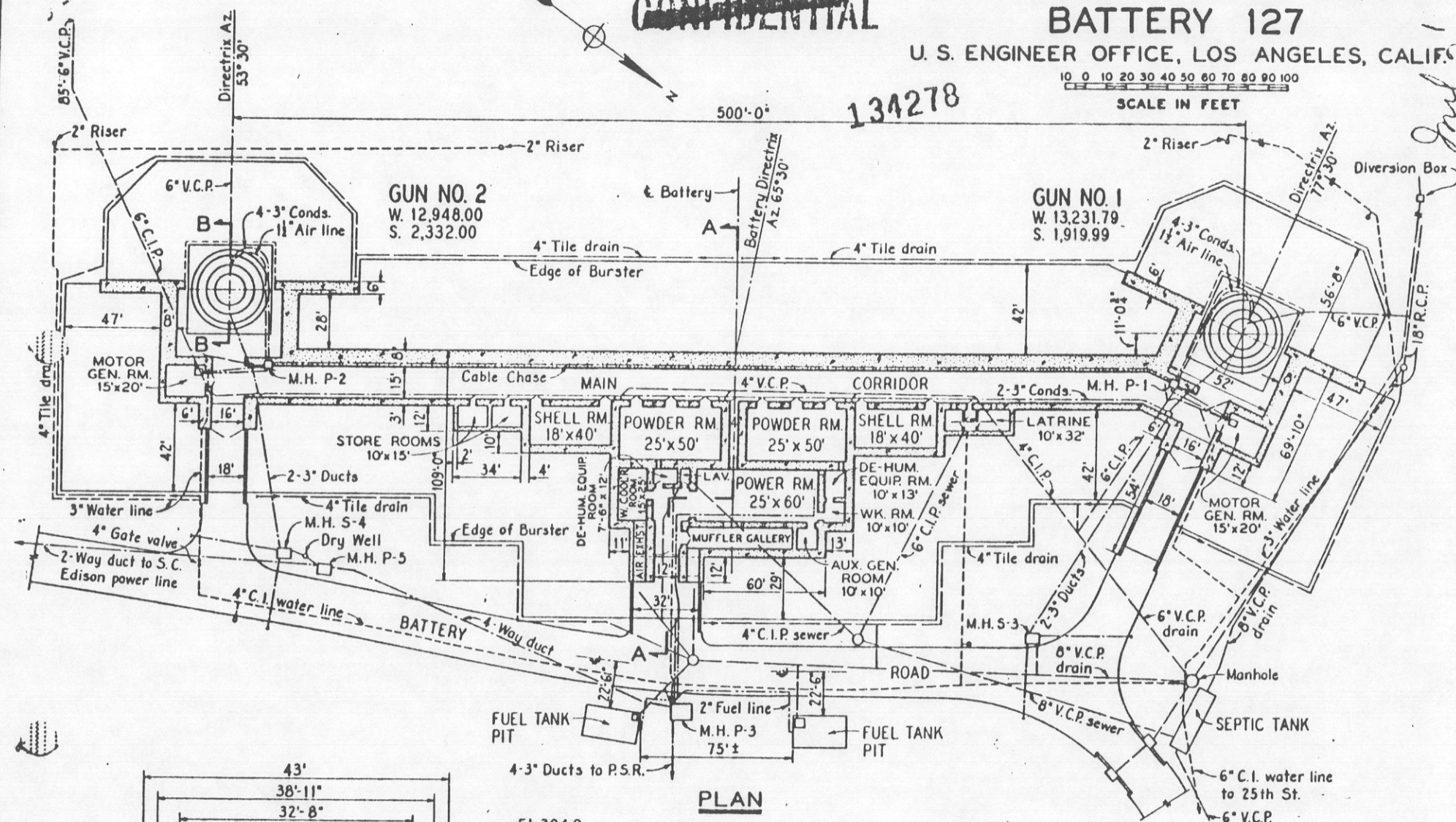
BATTERY 127

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

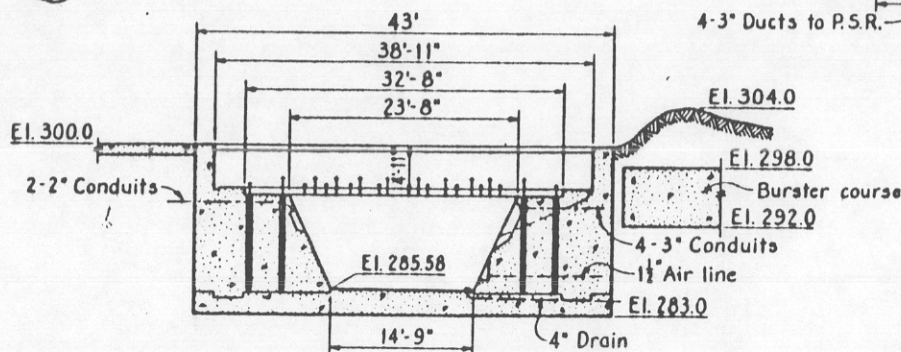


SCALE IN FEET

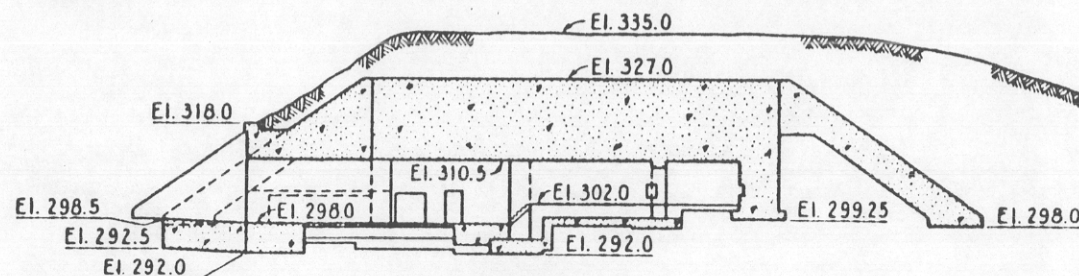
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PLAN



SECTION B-B



SECTION A-A



REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATION
(Electric plants)

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HARBOR DEFENSES OF LOS ANGELES
FORT MAC ARTHUR
POWER FOR BATTERY (CONSTR. NO.) 127
PROCURED & INSTALLED BY ORDNANCE

SLAM-1

Part V Corrected to 21 June 1945

	Serial No.	Type	Size	Mfr	Date of 'Trans.'	'Cost'	'Condition'	'RPM'	Type of Drive	'Cooler' for 'Engine'	Fuel	Switchboard Mate- rial	No. of 'Panels'
Engine No. 1	V.O. 1752	Vertical	CC-6	Worth'g'tn	*	*	Good	450	Direct		Diesel		
No. 2	V.O. 1731	Diesel	"	Pump & Mfg	*	*	"	"	"		Oil		
No. 3	V.O. 1730	"	"	Company	*	*	"	"	"		"		
Generators													
No. 1	17S-18P-244	A.C.	375KVA	West'g'hse	*	*	"	"	"				
No. 2	25S-18P-244	"	"	"	*	*	"	"	"				
No. 3	26S-18P-244	"	"	"	*	*	"	"	"				
Water Cooler													
No. 1	1055693	2		Worth'g'tn	*	*	"				1		
No. 2	1055699	"		Pump & Mfg	*	*	"				2		
No. 3	1055697	"		Company	*	*	"				3		
D.C. Motor Generator													
No. 1	34-3B2171	SK	7.5 KW	West'g'hse	*	*	"	1750	Belt				
No. 2	16-3B2171	"	"	"	*	*	"	"	"				
No. 3	44-3B2171	"	"	"	*	*	"	"	"				
Switchboard	BUZ-61618	Panel	7.5'x 12'	"	*	*	"					10ga. steel	7
Transformer Switchboard													
Panel No. 1	3339223	JR	3 KVA	"	*	*	"					(Operating - for generators)	
" No. 2	3347843	"	"	"	*	*	"				"	"	"
No. 3	3347782	"	"	"	*	*	"				"	"	"
" No. 7													
(3 Transfmrs)	3248592	"	10 KVA	"	*	*	"					(Distribution)	
	336763	"	"	"	*	*	"				"		
	331676	"	"	"	*	*	"				"		
Auxiliaries	None installed (Commercial power provided)												

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NOTE: For distribution of KW see reverse

* Costs & transfer date not available (furnished & installed by Ordnance Department)

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Incl 2'

600.914 (Los Ang) 120597
REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS

SPEKM-1

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HARBOR DEFENSES OF LOS ANGELES
FORT MAC ARTHUR
STRUCTURE PSR BUILDING (BATTERY 127)

Part II (Modified)

Corrected to 27 January 1945

STRUCTURE: W 12800 (approximately)
Location (coordinates) S 1800 (approximately)
Location (site description) Site No. 5 (Whites Point)
Date of transfer: 11 September 1944
Cost to that date: \$132,189.37
Type: Dug-in
Type of construction
(a) Roof: Reinforced concrete
(b) Remainder of bldg.: Reinforced concrete
How concealed: Earth cover - native growth
How protected: Earth cover and burster roof
Height above concealment: 15' at entrance
Height above protection: 15' at entrance
Conspicuous at 75 yards

UTILITIES:

Electric power
Source of: (1) Battery 127; (2) Commercial; (3) Stand-by generator
Characteristics: Voltage 460 AC 3 - phase 60 cycle
Kilowatts required: 27.5 (includes 6.5 for Ordnance and Signal Corps)
Type of lighting fixtures: Direct (Wheeler shock proof)
Heat
How heated: Electric (Heaters in ventilating air-ducts)
Water sewer
Connected to water mains: 6" (to City of Los Angeles Water Department)
Connected to sewer: No (Septic tank)
Type latrine: Syphon-jet

REFERENCE:

Reference of site: Elevation 329 (at entrance)
Datum is Mean Lower Low Water
Origin of local coordinates: Station "R" (U.S.C. & G.S. station "Deadman's Island")

INSTRUMENTS & EQUIPMENT:

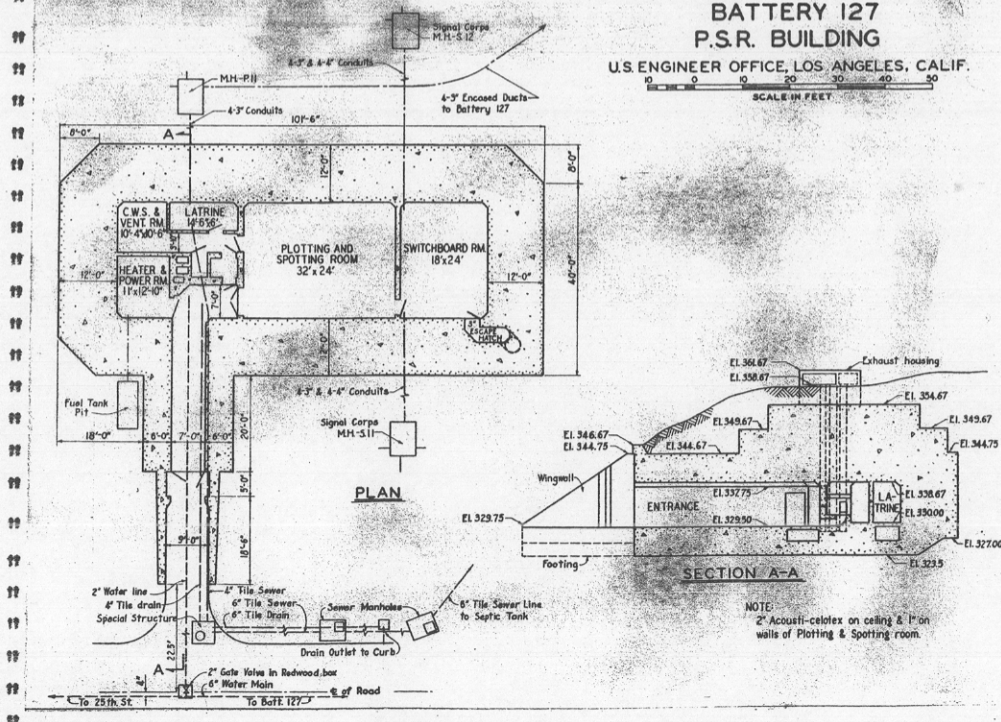
Type of data computer: M-1
Type of plotting board: M-4 (No. 27)

DATA TRANSMISSION:

Type: M-5 (No. 26)
Date of transfer: No record

ACC PART II

HARBOR DEFENSES OF LOS ANGELES, CALIF.
BATTERY 127
P.S.R. BUILDING
U.S. ENGINEER OFFICE, LOS ANGELES, CALIF.
SCALE IN FEET



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120597

600.714 (for Aug) 120597
REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Electric Plants)

SPEKM-1
HARBOR DEFENSES OF LOS ANGELES
FORT MAC ARTHUR
POWER (AUXILIARY) FOR PSR BUILDING (BATTERY 127)
PROCURED & INSTALLED BY ENGINEERS

Part V

Corrected to 27 January 1945

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	Serial No.	Type	Size	Manufacturer	Date of Transfer	Cost	Condition	RPM	Type of Drive	Radiator for Engine No	Fuel	Switchboard	
												Material	No. of Panels
Engine No. 1	1S6406SP	46-30S	66.5 HP	Caterpillar	11 Sept 44	*	Good	1200	Direct		Diesel		
No. 2	- -			Tractor									
No. 3	- -			Company									
No. 4	- -												
Generator													
No. 1	30KH75	AC	30 KW	Louis	"	*	"	"	"				
No. 2	- -			Allis									
No. 3	- -			Company									
No. 4	- -												
Radiator													
No. 1	- -	(Contained in unit)								1			
No. 2	- -												
No. 3	- -												
No. 4	- -												
D. C. Exciter	30KH63	- -	0.6 KW	Louis	"	*	"						
				Allis									
				Company									
Switchboard	A537625	3 phase	- -	W. A.	"	*	"						
	A537626			Benjamin									
				Company									
Storage Battery	- -	3-cell	39 plate	Willard	"	*	"					Metal Clad	2
Transformer	(Cataloge No.)												
No. 1	61G33	M	5 KVA	General	"	*	"						
No. 2	"	M	"	Electric	"	*	"						
No. 3	"	M	"	"	"	*	"						
Auxiliaries	(No auxiliaries)												

NOTE: Primary source of power: Main generators (in Battery structure)
Auxiliary source of power: Commercial
Stand-by source of power: Generator as reported above

* Cost included in construction contract of P.S.R. structure.

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120597

DISTRIBUTION OF KW

Gun Motors		
Rammers	2 - 40 HP	59.68 KW
Traversing	2 - 7.5 HP	11.19
Elevator	2 - 60 HP	89.52
Air scavenger motors	2 - 40 HP	59.68
Spray pump motors	3 - 1/3 HP	0.75
Jacket " "	3 - 5 HP	11.19
Cooler vent. fans	3 - 2 HP	4.48
Air comp. motors	2 - 10 HP	14.92
Ventilating fans	2 - 3 HP	4.48
Fuel pump motors	2 - 1 HP	1.49
CWS equip. motors	1 - 1/2 HP	0.37
lighting	130 - 100 W	13.00
spare	- - -	5.00
Switchboard (space heaters)	6 - 250 W	1.50
" " "	5 - 100 W	0.50
Generator (space heaters)	6 - 350 W	<u>2.10</u>
	TOTAL	279.85

73481

600.914 (Sec. 104181)

SPEKM-1

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire Control Structure)

HARBOR DEFENSES OF LOS ANGELES

FORT MAC ARTHUR

STRUCTURE: BC₂ B₂⁵ S₂⁵
127

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Part II Corrected to 11 August 1944

STRUCTURE: W 12,310.00 104181
Location (by coordinates) S 2,719.23
Location (site description) NE Whites Pt., Site #5
Date of transfer: 11 November 1943
Cost to that date: \$3,985.68
Type: 1-level dug-in
Type of construction
(a) Roof: Reinforced concrete
(b) Remainder of bldg.: Reinforced concrete
How concealed: Earth cover & native growth
How protected: Earth cover & steel slot covers
Height above concealment: 3'-0" at slot openings
Height above protection: 3'-0" at slot openings
Conspicuous at 75 yards

UTILITIES:

Electric power
Source of: 2 - 2.5 KVA engine generators
Characteristics: Voltage 125 AC 3 phase
Kilowatts required: 0.15
Type of lighting fixtures: None
Heat
How heated: None
Water sewer
Connected to water mains: No
Connected to sewer: No
Type latrine: None

REFERENCE:

Reference of site: Elevation 344.0
Reference of instrument axis: Elevation 340.65
Datum: Mean Lower Low Water
Origin of coordinates: Station "R" (U.S.C. & G.S.
station "Deadman's Island")

INSTRUMENTS & EQUIPMENT:

Type of observing inst.: 1-DPF & 1-azimuth
Type of plotting board: None

DATA TRANSMISSION:

Type: Telephone
Date of transfer: No record (By Signal Corps)

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FS-525