

(Central Traverse Magazine)

Form 1

FORT FUNSTON, CALIFORNIA

No. of guns-2. Caliber-50. Carriage-L.F.

ELECTRIC CURRENT

WATER AND SEWER:

Emplacement::		Guns or Mortars					Carriages				
Number	:: Cal.: Length: Model: Serial No.: Manufacturer: Mounted:	Type	Model: Serial No.: Manufacturer:	Motor							
Gun #1	:: 50:68 ft.: 1919: 64 : Navy : yes	Barbette:	1919 : 10	: Navy	: Each Gun						
Gun #2	:: 50:68 ft.: 1919: 74 : Navy : yes	Barbette:	1919 : 14	: Navy	: Elev. Motor-50HP						
	:: : : : : :	:	:	:	: Rammer " 30HP						
	:: : : : : :	:	:	:	: Traverse " 7½HP						
	:: : : : : :	:	:	:	: Comp. " 30HP						

Emplacement::	:	:	Motor	:	:	Remodeled		
Number	::	Type:Delivery	Serial No.:	Maker:H.P.:	Volts:RPM:	Type of control::	Date of transfer :	for long points
			One Level Battery -	No Ammunition	Hoists required			
			Twenty-five 1½ ton,	hand-powered	hoists for con-			
			veying shells to	guns				

superseded - See Form 1 corrected to July 1943

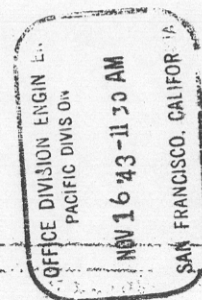
Note: The Central Traverse Magazine includes two gun emplacements in casemates, two magazines, several storerooms and a power room. Cost to date of transfer, if Plotting and Switchboard Room, Radio Station, B. C. Station, boundary fence, utilities, protective concealment, and maintenance to date of transfer are included \$893,138.47.

Prison Type Bunks

Prison type steel bunks installed in corridors to accomodate one hundred and fifty men per dwg. file 59-10-3 Sheet 1.

Installation completed and accepted 16 August 1943.

TOTAL COST (WAVE) OF \$2100.00

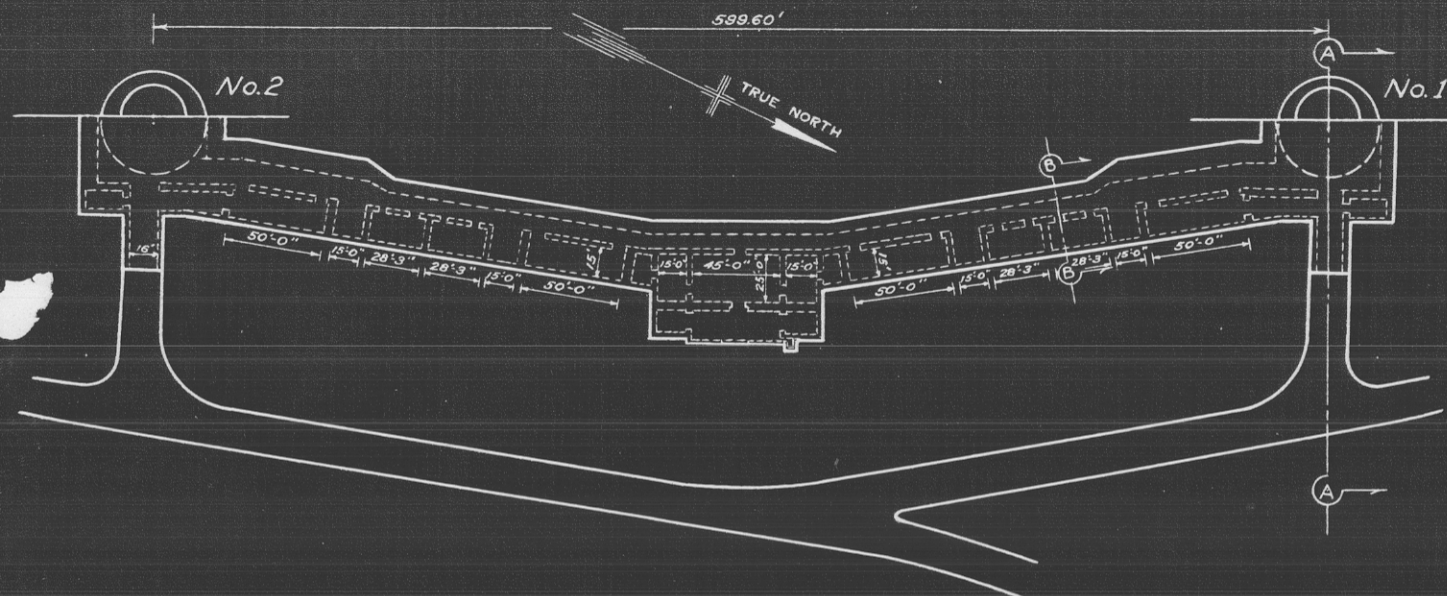


REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
BATTERY PLAN

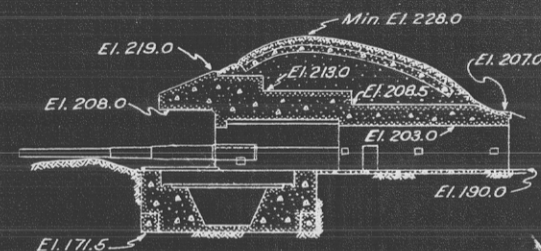
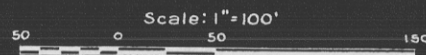
FORM 7

CORRECTED TO SEPT. 21, 1940

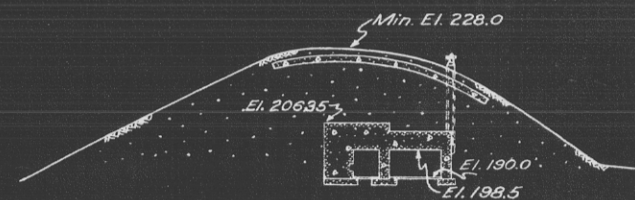
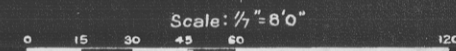
HARBOR DEFENSES OF SAN FRANCISCO
FORT FUNSTON CALIF.
BATTERY - RICHMOND P. DAVIS
NO. OF GUNS 2 CALIBER 50 CARRIAGE LF
SCALE AS SHOWN



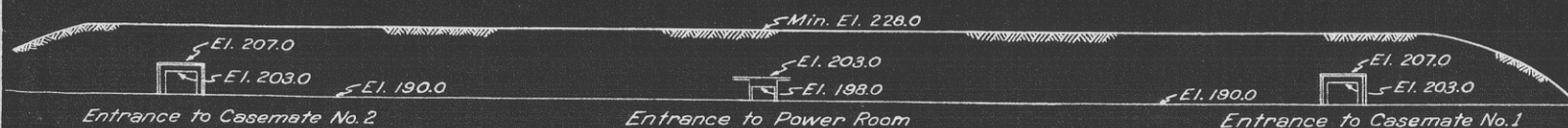
PLAN OF BATTERY



SECTION A-A



SECTION B-B



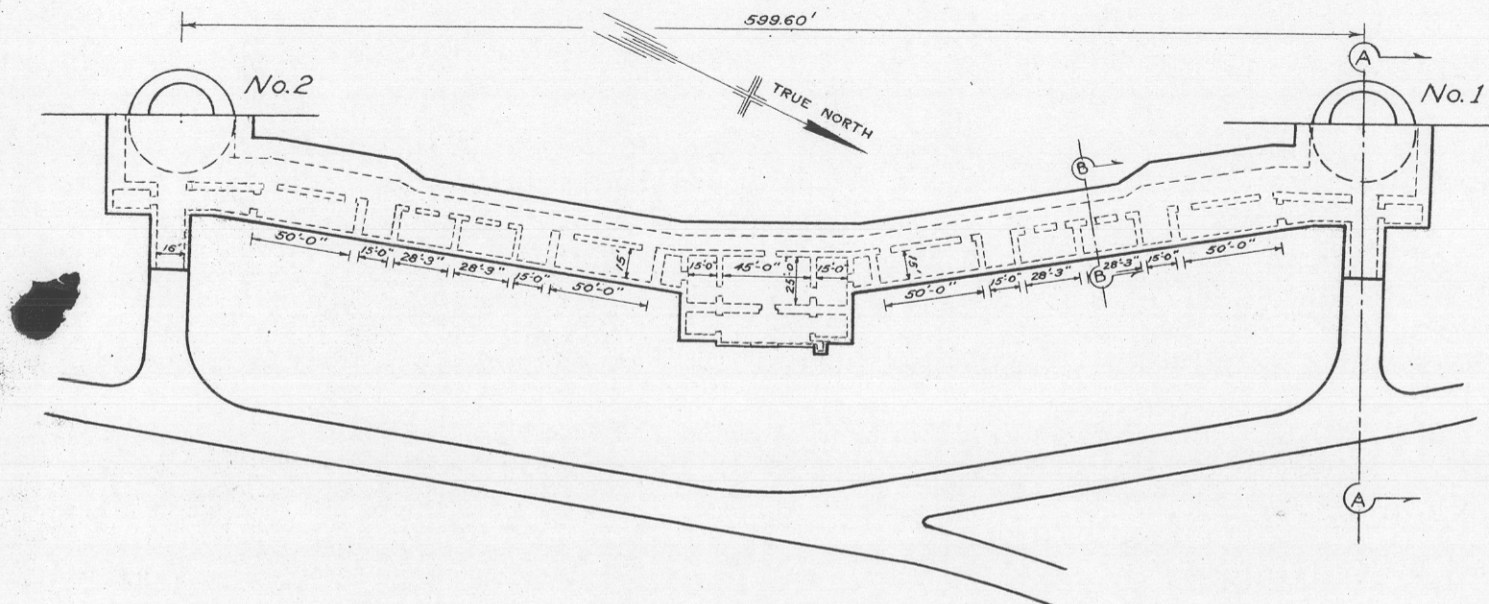
REAR ELEVATION

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
BATTERY PLAN

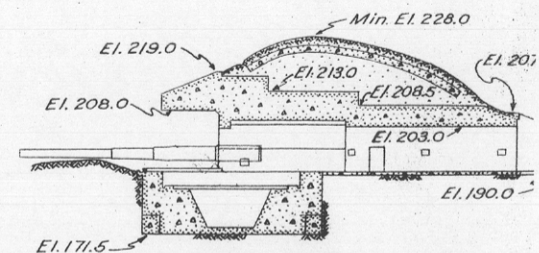
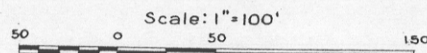
FORM 7

CORRECTED TO SEPT. 21, 1940

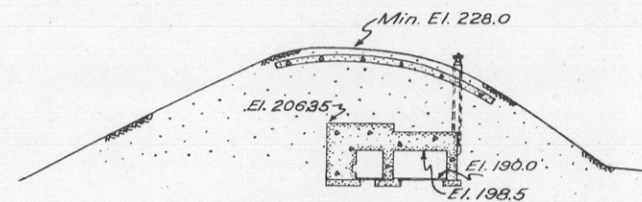
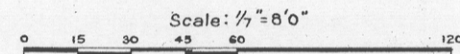
HARBOR DEFENSES OF SAN FRANCISCO
FORT FUNSTON CALIF.
BATTERY - RICHMOND P. DAVIS
NO. OF GUNS 2 CALIBER 50 CARRIAGE L
SCALE AS SHOWN



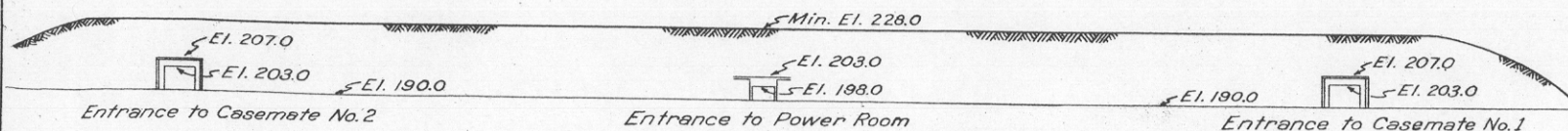
PLAN OF BATTERY



SECTION A-A



SECTION B-B



REAR ELEVATION

O-129

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS

(Central Traverse Magazine)

Form 1 Corrected to (July 1943)

CONFIDENTIAL

Declared Surplus
Disposition Form from Dept. dated 10 May 48
file 6565P/K-51001 subject: H.D. Installations
(Declared Surplus) includes Fire Control
 HARBOR DEFENSES OF SAN FRANCISCO
 FORT FUNSTON, CALIFORNIA
 BATTERY RICHMOND, P. DAVIS
 No. of Guns 2 Caliber 50 Carriage L.F.

GENERAL:

Battery commenced	Nov. 1936	ELECTRIC CURRENT:	Battery Power Plant
Battery completed	May 1, 1940	Sources of	
Date of transfer	Sept. 21, 1940	Max. kw. required for lights	50.06 at 125 Volts
Cost at date of transfer	\$670,356.49	Max. kw. required for motors	282.32 at 125 Volts
Materials of construction	Reinf. Concrete		
Types of cement	Conf. to Fed. Spec. SS-C-191	Present condition of battery	New
WATER & SEWER:	(for cement)	Rooms wet or dry	Dry
Connected to water supply	Yes		
Connected to sewer	Yes		
Type of latrine	Reinf. Concrete	How ventilated	Ventilating Doors. 18" diameter vent shafts
		Type of data transmission	in Magazines. Transite vent covers.
Trunnion elevation in btry	Gun #1-195.82	Remarks- (See reverse side)	Telephone (Installed by Signal Corps)
Datum plane	Gun #2-195.80		
	M.L.L.W		

ARMAMENT

Emplacement or mortar No.	Cal.	Guns or Mortars				Type	Carriages			Motor
		length	model*	Serial No.	Manufacturer		model	Serial No.	Manufacturer	
Gun #1	50	68 ft.	1919	64	Navy	yes	Barb.	1919	10	Navy
Gun #2	50	68 ft.	1919	74	Navy	yes	Barb.	1919	14	Navy
3										Each Gun
4										Elev. Motors
5										50 H.P.
6										Rammer Motor
7										30 H.P.
8										Traverse M.
										7-1/2" HF
										Comp. 30 H.P.

HOISTS

Emplacement Number	Type	Delivery	Motor						Date of transfer	Remodeled for long points
			Serial No.	Maker	H.P.	Volts	RPM	Type of control		
1			One level Battery - No Ammunition Hoists required							
2			Twenty-five 1-1/2 ton, hand-powered for conveying shells to guns.							

Note: (see previous page)

Note: (see reverse side)

CONFIDENTIAL

462 (San Francisco) CM 38598

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O-129

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

HARBOR DEFENSES OF .San Francisco.
FORT Funston
BATTERY Bluff,
No. of Guns 4 Caliber 155 MM Carriage Mobile

Form 1 Corrected to Jan. 18, 1943

GENERAL:		ELECTRIC CURRENT:	
Battery commenced	12-29-41	Sources of	Not Casemated
Battery completed	2-18-42		
Date of transfer	July, 19, 1948	Max. kw. required for lights	
Cost at date of transfer	\$13,904.71	Max. kw. required for motors	
Materials of construction	Concrete-Stl.		
Types of cement	Portland		
WATER & SEWER:		Present condition of battery	
Connected to water supply	No	Rooms wet or dry	
Connected to sewer	No		
Type of latrine	none	How ventilated	
		Type of data transmission	
Trunnion elevation in btry.	Mobile Mounts	Remarks-	Transfer of Panama mounts only.
Datum plane	Variable		
	MLLW		

ARMAMENT not installed by Corps of Engineers.

Emplacement or mortar No.	Guns or Mortars					<u>Carriages</u>					
	Cal.	length	model*	Serial No.	Manufacturer	mounted	Type	model	Serial No.	Manufacturer	Motor
1											
2											
3											
4											
5											
6											
7											
8											

HOISTS

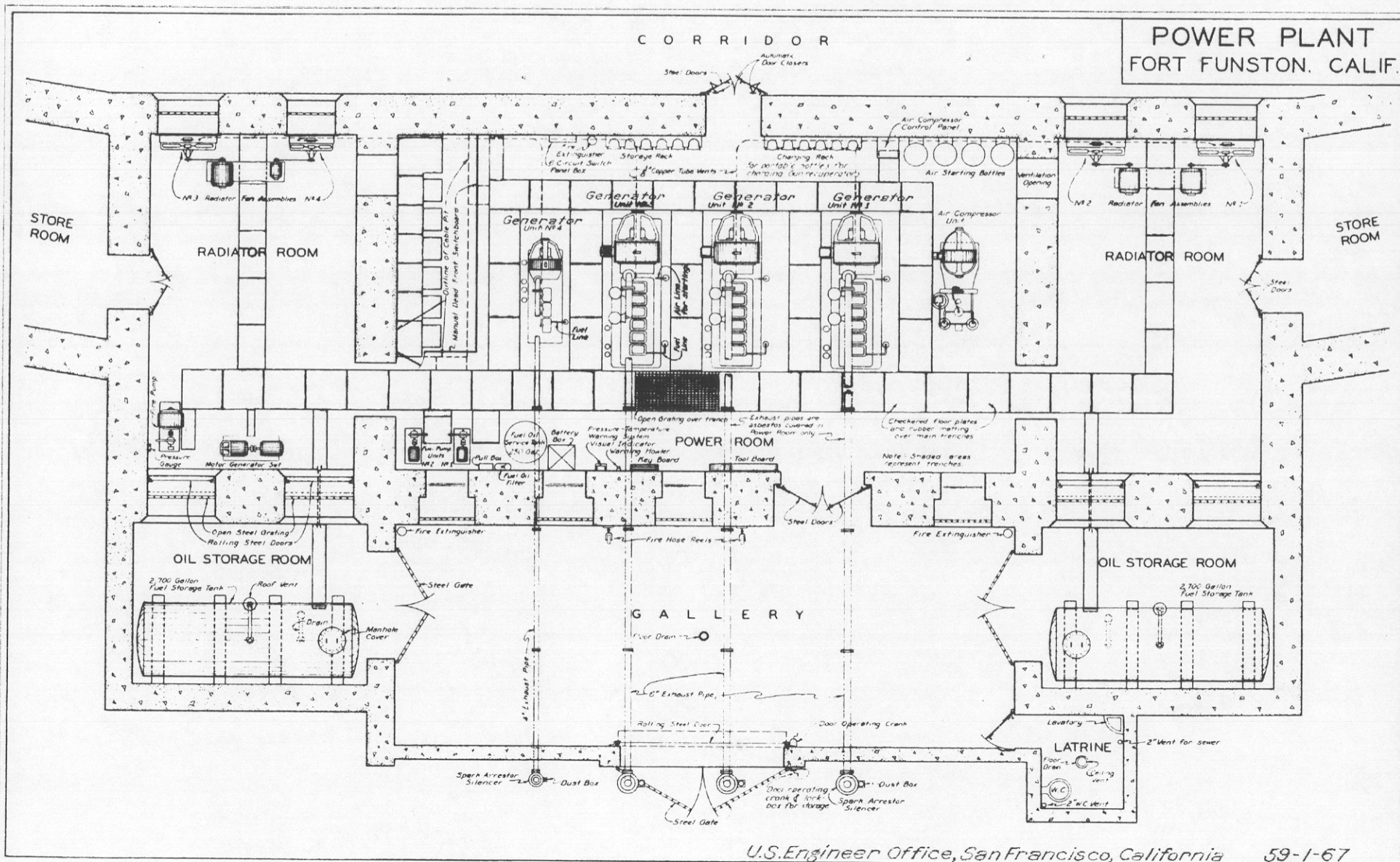
Emplacement Number	Type	Delivery	Motor					Date of transfer	Remodeled for long points
			Serial No.	Maker	H.P.	Volts	RPM		
1									
2									

Incl 1a- P. 1, C. 178

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CORRIDOR

POWER PLANT FORT FUNSTON, CALIF.



REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Electric Plants)

Form 5. Sheet 1 of 4. Corrected to September 21, 1940

HARBOR DEFENSES OF SAN FRANCISCO
FORT FUNSTON, CALIFORNIA
POWER FOR BATTERY RICHMOND P. DAVIS

	Serial Number	Type	Size	Manufacturer	Date of: Trans- fer	Cost	Con- di- tion	R.P.M.	Type of Drive	Fuel	Switchboard No. of Mat'l. Panels
Engine No. 1	13227	L-1	175 HP	Cummins		*	New	700	--	Diesel	
No. 2	13226	L-1	175 HP	Cummins		*	New	700	--	Diesel	
No. 3	13225	L-1	175 HP	Cummins		*	New	700	--	Diesel	
No. 4	13418	HGD	73 HP	Cummins		*	New	900	--	Diesel	
Generator No. 1	1742878	CDM 175A	100 kw	G.E.		*	New	700	Eng-Dir.	--	
No. 2	1742877	CDM 175A	100 kw	G.E.		*	New	700	Eng-Dir.	--	
No. 3	1742879	CDM 175A	100 kw	G.E.		*	New	700	Eng-Dir.	--	
No. 4	1742874	CDM 113	35 kw	G.E.		*	New	900	Eng-Dir.	--	
Radiator No. 1	None	RL-317-AW	--	Perfex		*	New	--	Mtr-Belt	--	
No. 2	None	RL-317-AW	--	Perfex		*	New	--	Mtr-Belt	--	
No. 3	None	RL-317-AW	--	Perfex		*	New	--	Mtr-Belt	--	
No. 4	None	RL-318-AW	--	Perfex		*	New	--	Mtr-Belt	--	
Radiator Motor											
No. 1	1747285	CDM 75	7.5 HP	G.E.		*	New	1310/1750	Elec-DC	--	
No. 2	1747433	CDM 75	7.5 HP	G.E.		*	New	1310/1750	Elec-DC	--	
No. 3	1747284	CDM 75	7.5 HP	G.E.		*	New	1310/1750	Elec-DC	--	
No. 4	1747196	B225	2 HP	G.E.		*	New	1400/1750	Elec-DC	--	
M.G. Set-Motor	1744244	RA	15 HP	Wagner		**	New	1750	Elec-AC	--	
Generator	790349	CCD	10 kw	Crocker-Whlr.		**	New	1750	Mtr-Dir.	--	
Transformer	62023	--	15 KVA	Gardner Elec.		**	New	--	--	--	
Switchboard, Main	None	Special	12'x7'-2"	G.E.		*	New	--	--	--	St. 6
M.G. Panel	None	Special	2'-2"x7'2"	Cutler-Hamr.		**	New	--	--	--	St. 1
Compressor	AS707	20	3000#	Ing. Rand		)8,450	New	500	Mtr-Dir.	--	
Comp. Motor	15-38N492	SK	25 HP	Westinghouse		)	New	500	Elec-DC	--	
Fuel Strge. Tanks											
North	None	Steel	2700 gal.	Boiler Tank		238	New	--	--	--	
South	None	Steel	2700 gal.	Boiler Tank		238	New	--	--	--	
Fuel Service Tank	None	Steel	250 gal.	Cummins		*	New	--	--	--	
Fuel Pump No.1 (S)	956081	IGS	10 GPM	Worthington		*	New	1140	Mtr-Dir.	--	
Fuel Pump No.2 (N)	956084	IGS	10 GPM	Worthington		*	New	1140	Mtr-Dir.	--	
Fuel Pump Motor											
No. 1	FS 5000	BC	0.5 HP	G.E.		*	New	1140	Elec-DC	--	
No. 2	FS 5001	BC	0.5 HP	G.E.		*	New	1140	Elec-DC	--	

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Electric Plants)

HARBOR DEFENSES OF SAN FRANCISCO
FORT FUNSTON, CALIFORNIA
POWER FOR BATTERY RICHMOND P. DAVIS.

Form 5. Sheet 2 of 4. Corrected to September 21, 1940

	: Serial : : Number :	: Type : :	: Size : :	: Manufacturer : :	: Date of : : Trans-fer :	: Cost : :	: Con-: di-: tion:	: R.P.M. :	: Type : : of : : Drive :	: Fuel : :	: Switchboard : : No. of : : Mat'l. : : Panels :
Storage Btries. (2):	Type	Cat. No.									
	6XCK-21-R	22600	12 V. Ea.	Exide		*	New	--	--	--	
Air Tank No. 1 (S):	18815	Steel	350#	)Pressed		*	New	--	--	--	
No. 2	18817	Steel	350#	)Steel		*	New	--	--	--	
No. 3	18814	Steel	350#	)Tank		*	New	--	--	--	
No. 4 (N):	18816	Steel	350#	)Company		*	New	--	--	--	
Fire Pump	936880	R-1	130 GPM	Worthington		*	New	3500	Mtr-Dir.	--	
Fire Pump Motor	1747315	B284	10 HP	G.E.		*	New	3500	Elec-DC	--	

NOTES:

1. Total available power, 335 kw., (125 V. D.C.)
2. Itemized costs of items marked * not available. Power plant, including generator sets, radiators, main switchboard, fuel service tank, fuel pumps, storage batteries, air tanks, fire pump, and accessories purchased from Cummins Diesel Sales Corp., under contract W-868-eng-717, for \$57,486.
3. Itemized costs of items marked ** not available. Motor generator set, transformer and M.G. set switchboard panel purchased from Star-Delta Electrical Works under contract W-868-eng-876 for \$2,526.

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Electric Plants)

HARBOR DEFENSES OF SAN FRANCISCO
FORT FUNSTON, CALIFORNIA
POWER FOR BATTERY RICHMOND P. DAVIS

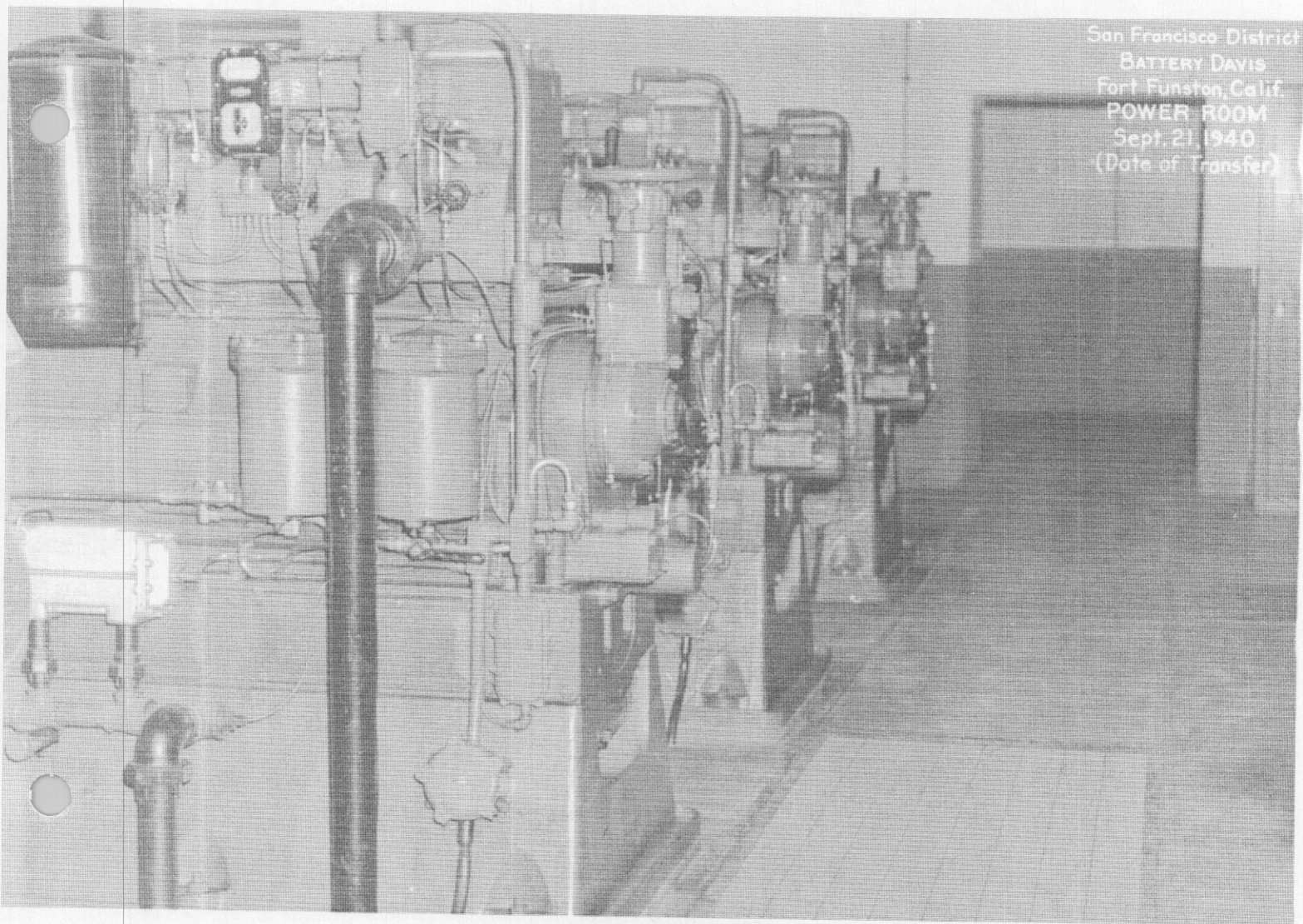
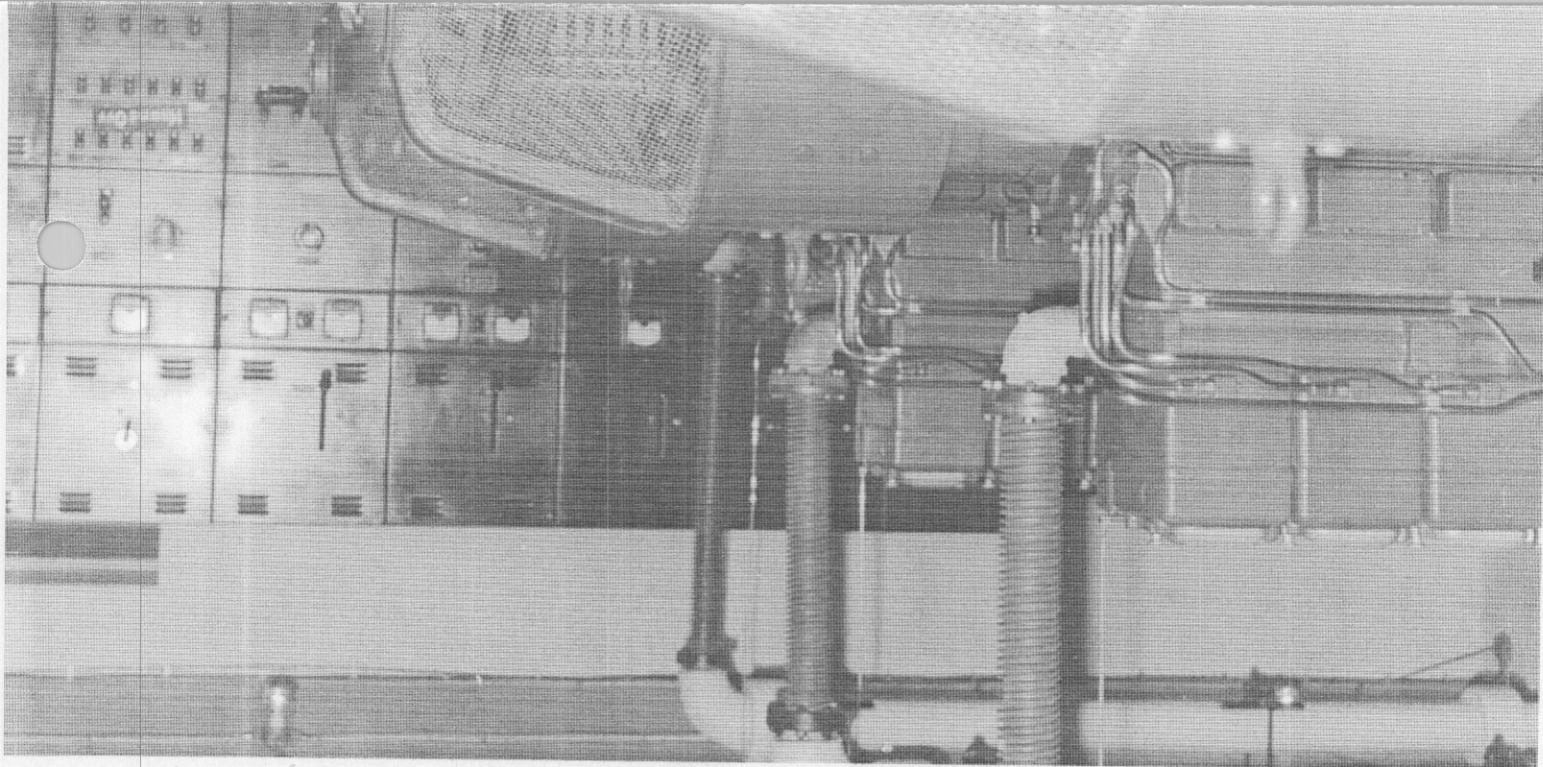
Form 5. Sheet 3 of 4. Corrected to September 21, 1940

		MOTORS				LIGHTS (INCLUDING PLUG-INS)									
Structure or Location	Name	H.P.	F.L.	Req'd.	Box	Number of Lights (115 V)				Plug-ins 115 V:		K.W.			
			Amps.	125 V	No.	30 w.	100 w.				kw.	kw.	125 V		
(In Central Traverse Magazine)	Radiator #1	7.5	58.5	7.31				20				3	7.82		
	Radiator #2	7.5	58.5	7.31											
	Radiator #3	7.5	58.5	7.31											
	Radiator #4	2	16.1	2.01											
	Air Compr.	25	170.0	21.25											
	Fuel Pump #1	0.5	4.25	0.53											
	Fuel Pump #2	0.5	4.25	0.53											
	Fire Pump	10	78	9.75											
Subtotals	8 Motors	60.5	448.10	56.00				20				3	7.82		
Magazines and Casemates	Fan Motor #1	0.75	6.1	0.76	1			7				1	2.63		
	Fan Motor #2	0.75	6.1	0.76	2			16				1	3.22		
	Fan Motor #3	0.75	6.1	0.76	3			20				1	3.48		
	Fan Motor #4	0.75	6.1	0.76	4			19					1.24		
					5			16					1.04		
					6			7				1	2.63		
Subtotals	4 Motors	2.0	24.4	3.04				85				4	14.24		
Gun No. 1	Rammer	30	227	28.38		6	3	10				8	14.00		
	Elevating	50	375	46.88											
	Traversing	7.5	60	7.50											
	Compressor	30	231	28.88											
Subtotals	4 Motors	117.50	893	111.64		6	3	10				8	14.00		
Gun No. 2	Rammer	30	227	28.38		6	3	10				8	14.00		
	Elevating	50	375	46.88											
	Traversing	7.5	60	7.50											
	Compressor	30	231	28.88											
Subtotals	4 Motors	117.50	893	111.64		6	3	10				8	14.00		

HARBOR DEFENSES OF SAN FRANCISCO
FORT FUNSTON, CALIFORNIA
POWER FOR BATTERY RICHMOND P. DAVIS

Form 5. Sheet 4 of 4. Corrected to September 21, 1940

		MOTORS				LIGHTS (INCLUDING PLUG-INS)									
Structure or Location	Name	H.P.	F.L.	K.W.	Req'd.	Box	Number of Lights (115 V)				Plug-ins 115 V			K.W.	
			Amps.	125 V	No.	2 c.p.	8 c.p.	40 w.	60 w.	100 w.	150 w.	1.5 kw.	2.0 kw.	Req'd.	
Plotting	M. G. Set	1.5	16	2.00	1				8	6	6		1	4.33	
Switchboard	Gas Proof.	0.5	4.5	0.56	2										
Rooms	Gas Proof.	0.5	4.5	0.56											
Subtotals	3 Motors	2.5	25.0	3.12					8	6	6		1	4.33	
Radio Station	Gas Proof.	0.5	4.5	0.56	1				5				2	4.67	
Subtotals	1 Motor	0.5	4.5	0.56					5				2	4.67	
Latrine	Gas Proof.	0.5	4.5	0.56					4				1	2.44	
Subtotals	1 Motor	0.5	4.5	0.56					4				1	2.44	
BC - B'S' Station									2				1	2.30	
Subtotals	No Motors								2				1	2.30	
GRAND TOTALS	25 Motors	301	2,293	286.6		12	6	20	124	6	6	16	12	63.8	



San Francisco District
BATTERY DAVIS
Fort Funston, Calif.
POWER ROOM
Sept. 21, 1940
(Date of Transfer)