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

COAST DEFENSES OF Sandy Hook
FORT Hancock, N. J.
BATTERY Kingman
No. of guns 2 Caliber 12" Carriage Barbette Model 1917.

Form 1. Corrected to Dec. 10, 1924.

Battery commenced	Mar. 1917	Sources of electric current	2-25 K.W. sets (Gasoline-Electric)
Battery completed	Apr. 2, 1921		
Date of transfer	Apr. 2, 1921	Max. kw. required for lights	7.850 k.w.
Material of construction	Concrete	Max. kw. required for motors	15.0 k.w.
Portland or Rosendale cement	Portland		
Cost to date of transfer	$297,933.04		
Connected to water supply	Yes	Present condition battery	Excellent
Connected to sewer	Yes(to septic tank)	Rooms wet or dry	Dry -(some condensation)
Type of latrine	Syphon jet (tank)	How ventilated	Through grating doorways and windows, & motor driven blower connecting to air ducts to magazines. All magazines are separate rooms with air passages between.
Type of data transmission	Telephones & Speaking Tubes		
Trunnion elevation in battery	Empl#1-14.376 ft. " #2-14.367 "	Remarks: -	Steam heat in Qtrs, Toilets, Plot'g Rms. install'd Sept. 1919.
Datum plane	M.L.W.		Vent.duct & blower for Mag.instal.Dec.1923. Plottg.Room (right flank) sheathed (asbestos) Dec. 1923. 25 K.W.exhaust mufflers installed in pit, top of cover, Dec. 1923. Electric driven sump pump installed in M.H., Gun #1 Kingman Dec. 1923.

ARMAMENT

Emplacement No.	GUNS or Mortars Cal.	Length	Model	Serial No	Mfgr	Mounted	Carriages Type	Model	Ser.No.	Manufacturer	Motor
1	12"	35 cal.	1895MI	65	Ord. Dept	April 1919	Barbette	1917	4	Ord.Dept.	None
2	12"	do.	do.	53 ✓	do.	March 1919	do.	1917	5	do.	None
3											
4											
5											
6											
7											
8											

HOISTS

Emplacement Number	Type	Delivery	Motor Ser.No	Maker	H.P.	Volts	RPM	Type of Control	Date of Transfer	Remodeled for long points.

Trolley hoists (hand chain hoists) operating on I beam track are installed in powder and shell rooms.

Electric driven sump pump installed in M.H. Gun #2 - see Report of Operations December 1936 2nd C.A. over

Major Repair Work since July 1, 1923:

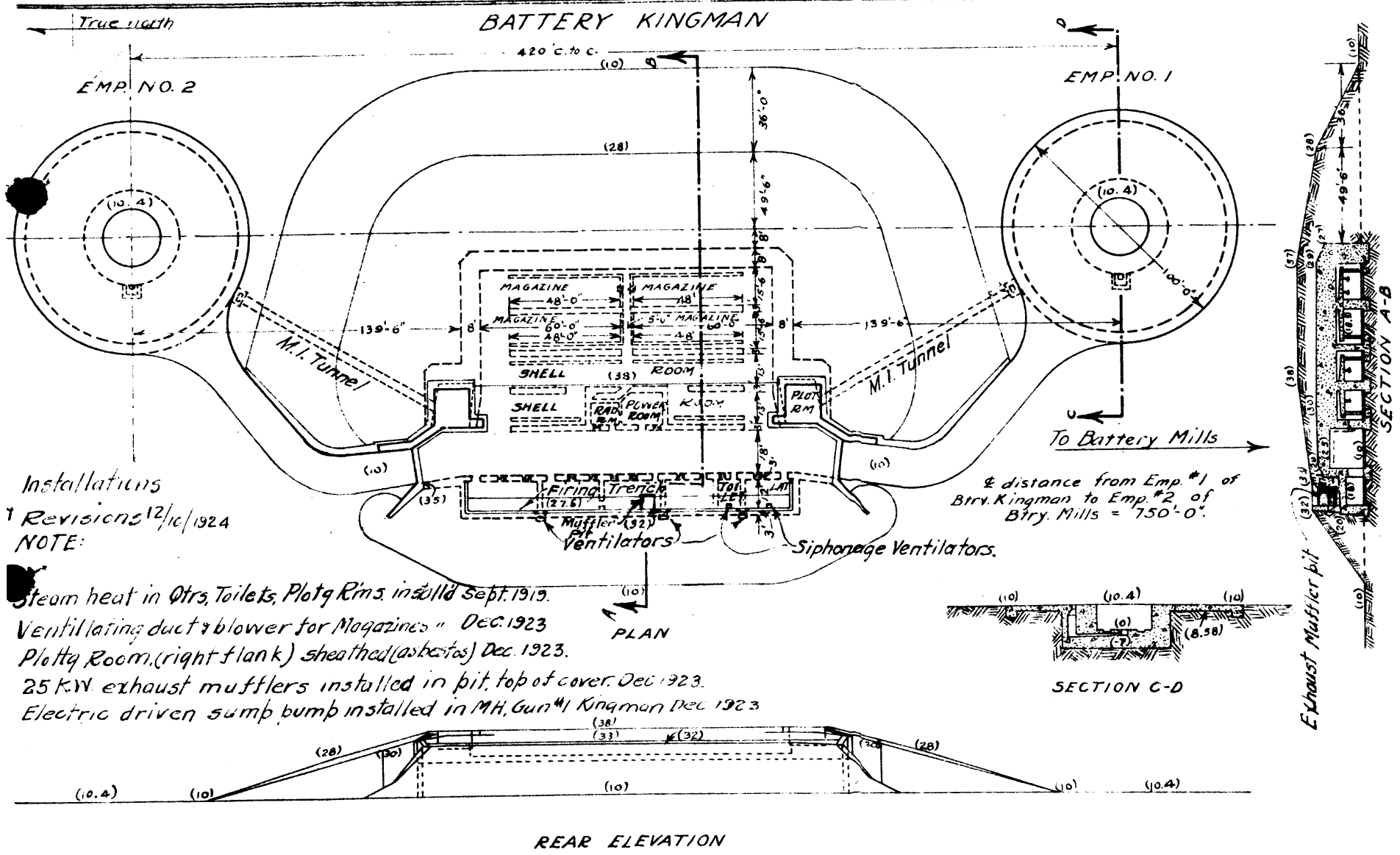
F.Y. 1927 - Conc: platforms and retaining walls work at Batty. Mills $4200 - This includes similar

" 1928 - Service Ry. for Kingman & Mills $6210

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS

Corrected to Dec. 10, 1924.

COAST DEFENSES OF SANDY HOOK
FORT HANCOCK
BATTERY KINGMAN
No. of Guns 2 Caliber 12" Carriage Barbette
Scale: 1"=60'



Installations

Revisions 12/10/1924

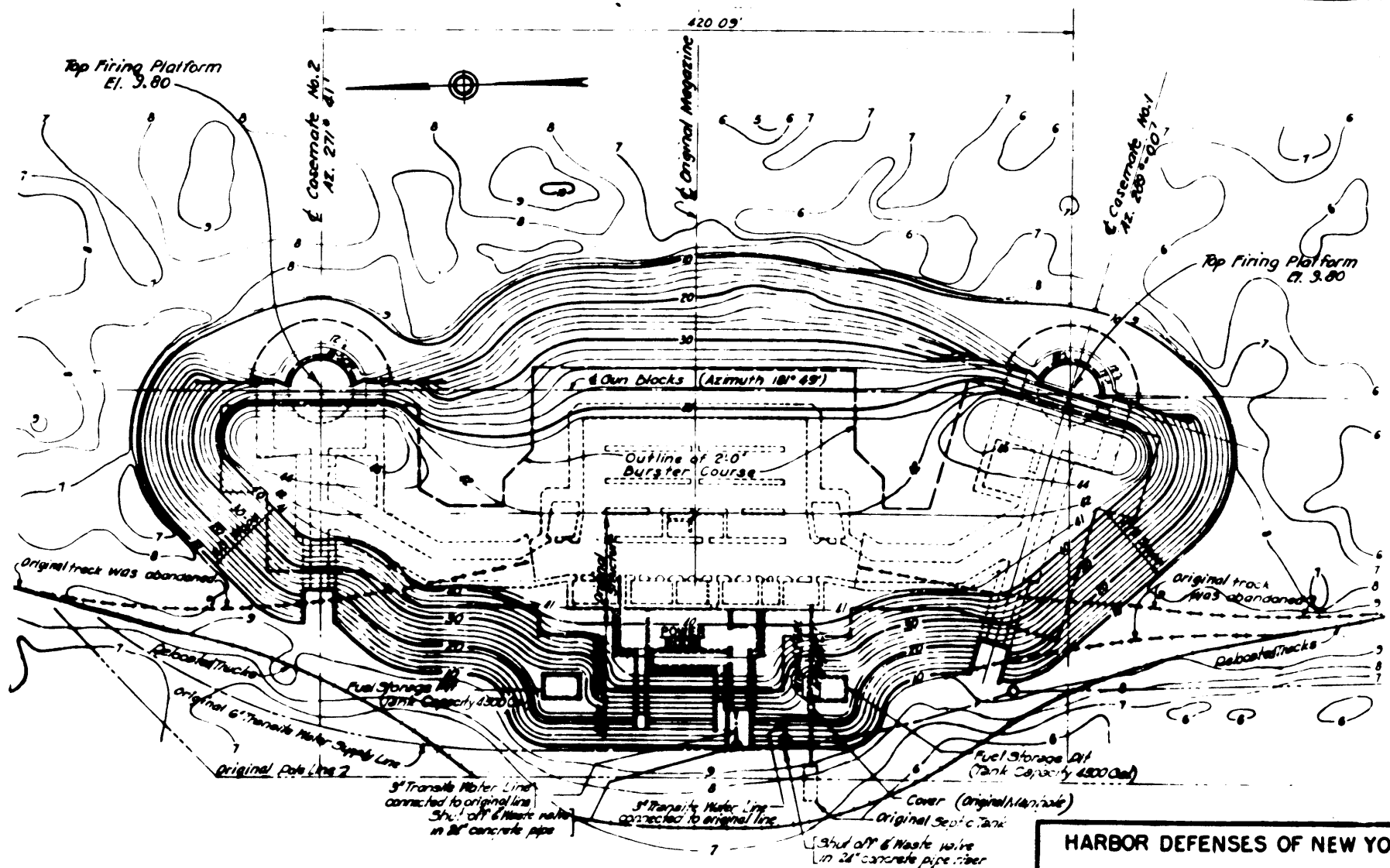
NOTE:

Steam heat in Otrs, Toilets, Plotg Rms. installed Sept. 1919.
Ventillating duct & blower for Magazines " Dec. 1923
Plotg Room (right flank) sheathed (asbestos) Dec. 1923.
25 K.W. exhaust mufflers installed in pit, top of cover. Dec. 1923.
Electric driven sump bump installed in MH, Gun #1 Kingman Dec. 1923

& distance from Emp. #1 of Bty. Kingman to Emp. #2 of Bty. Mills = 750'-0".

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY



BATTERY KINGMAN

SCALE IN FEET

0 40' 80' 120' 160'

NOTE Elevations refer to Mean Low Water Datum

HARBOR DEFENSES OF NEW YORK

BATTERY KINGMAN

CASEMATES AND POWER ROOM

FT. HANCOCK NEW JERSEY

600.914(NY)114220

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Batteries)

114220

HARBOR DEFENSES OF NEW YORK
FORT HANCOCK, NEW JERSEY
BATTERY KINGMAN * No. of Guns 2
Caliber 12" Carriage Barbette

SPEKM-1

Part I Corrected to 28 NOV. 1944

GENERAL:

Battery commenced March 1917
Battery completed 2 April 1921
Date of transfer 2 April 1921
Cost to date of transfer $297,933.04. Project 270 Funds
Materials of construction Concrete
Battery new or modernized Modernized
(If modernized give detailed statement on reverse side) No. 1 - El. 14.376 M.L.W. No. 2 - El. 14.367 M.L.W.
Trunnion elevation in btry.
Datum plane Mean Low Water

UTILITIES:

WATER SUPPLY

Source of Reservation System
Alternate source --
Size of Main 6" Ø Transite

SEWER

Connected to sewer Yes
Type of Disposal Septic Tank
Type of Latrine Sanitary Flush Syphon Jet (Tank)

UTILITIES (Cont'd,)

ELECTRIC POWER

Sources of Engine Generators & Commercial
Procured & installed by (OCE or ORD) Commercial by O.C.E.
Characteristics: Voltage 450/120/208 AC or DC Phase 3 Engine Generators by Ord.
No. of units and capacity 3
Max. K.W. required for utilities 25 KVA
Max. K.W. required for non-battle conditions 25 KVA
Commercial power provided (yes or no) Yes Capacity 50 KVA
Auxiliary power unit provided (yes or no) no Capacity
Type of lighting fixtures Std. U.S.E.D. & Comm. Std. C.S.F. Westinghouse 10 H.P.
Dehumidifying Unit..Make and capacity Westinghouse* 10 H.P.
Rooms Wet or Dry Dry
How ventilated Vent shafts (Plott. Rms. Exhaust fans, (Power Room)
How heated Steam heat installed in quarters, latrines & plotting rooms - Sept. 1919.

DATA TRANSMISSION

Type Telephones

REMARKS See attached sheet for additional construction.

*3 HP Dehumidifying units in main corridors.

ARMAMENT

SECRET

Emplacement No.	Guns Cal.	Length	Model	Serial No.	Manufacturer	Mounted	Carriages Type	Model	Serial No.	Manufacturer	Motor
1	12"	35 Cal.	1895 M.1	65	Ordnance Dept.	Apr. 1919	Barbette	1917	4	Ordnance Dept.	None
2											
3	12"	35 Cal.	1895 M.1	63	" "	Mar. 1919	Barbette	1917	5	" "	"

Sandy Hook projectors 6"/

* Declined Excess Ltr Apr 30 1947 AGF
(Ltr 600.91/166(6) Gen Hdqtrs USA D.

Kingman

Nature & Cost of Additional Repairs & Modifications (Battery Kingman)

1923

Sump Pump Installation..... $ 200.00

1925

Modification to Plotting Room..... 1,500.00

January 1937

Installation of dehumidifying and air circulating equipment to eliminate condensation.

Material: Freon gas compressor, cooling coil, heating coil, fan, humidistat, control switches, ducts & grilles..... 2,113.00

Labor..... 1,721.64

$ 3,834.64

1937

Electric Power installation - 3 phase A.C. line to Battery Kingman..... $ 681.00

1937

Water Supply System -

Pumping unit: Deming Co.; Unit #83400, 930 gallons per hour capacity, 1½" discharge with 1½ H.P. motor..... 121.00

Check & relief valves and gauge..... 9.75

Electric panel board with pressure switch, gauge and magnetic starting switch..... 44.25

(Tanks were from surplus stock) $ 175.00

1942-1943

(a)	Casemates and corridors added to original magazine.....	$475,097.27
(b)	Power Room added to C.T. Magazine.....	131,745.63
(c)	Electrical Power Extension.....	1,760.77
(d)	Gasproofing system installed.....	6,582.54
(e)	Alterations to original septic tank.....	1,510.84
(f)	Additions to original ventilating system.....	2,463.22
(g)	New wood doors (Powder Magazine Rooms).....	590.35
(h)	Blastproofing - Modifications resulting from gunfire tests	4,068.18
		$623,818.80

FS-295 2,186.97 126,005.77

1944

Power Room Heating System

This project consists of the installation of oil fired hot water boiler, induced draft fan.

4 unit heaters and necessary piping.

2 new closures to isolate heated areas as follows: Power Room, Water Cooler Room, Muffler Gallery and Corridor..... $2,186.97

FS-996

1944 - Additional Dehumidification System.

This project consists of installation of 3 self-contained dehumidifying units with 3 H.P. compressor. Necessary wiring, ductwork, condensate dry wells and closures for corridors..... $10,033.72

FS-1434 & 1473

SECRET

SECRET

Kingman

Nature & Cost of Additional Repairs & Modifications (Cont'd.)

1944 - This project consists of the removal of existing direct current, gasoline engine driven generators, switchboard, jacket water cooling radiators and related equipment. Restoration of floors and miscellaneous repairs...$ 1,380.00

L37,419.09

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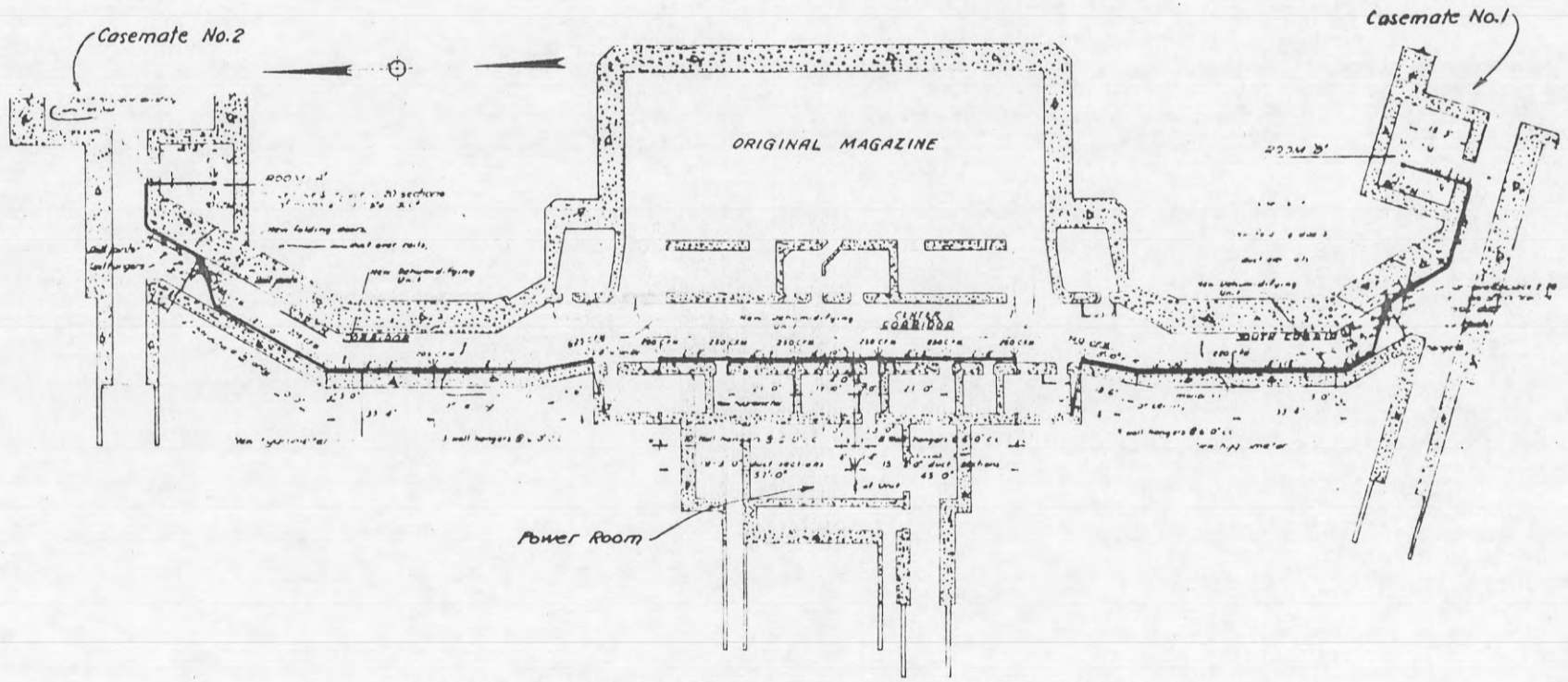


PLAN

HARBOR DEFENSES OF NEW YORK

BATTERY KINGMAN

ADDITIONAL DEHUMIDIFYING SYSTEM

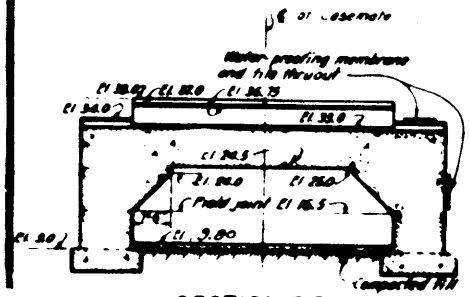
0 15' 30' 45'

FORT HANCOCK NEW JERSEY

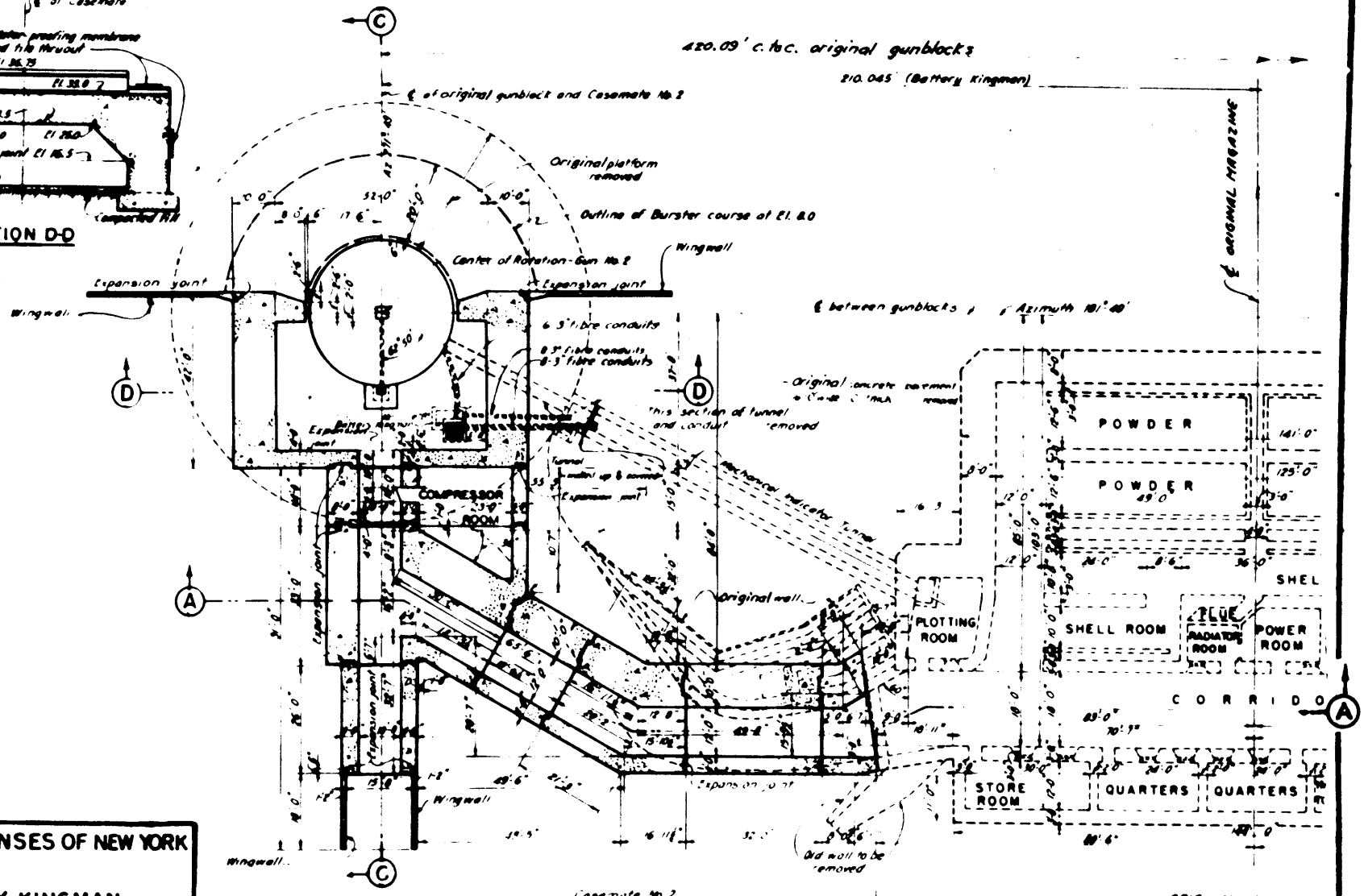
SECRET

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY



SECTION D-D



SECTIONAL PLAN

HARBOR DEFENSES OF NEW YORK

BATTERY KINGMAN

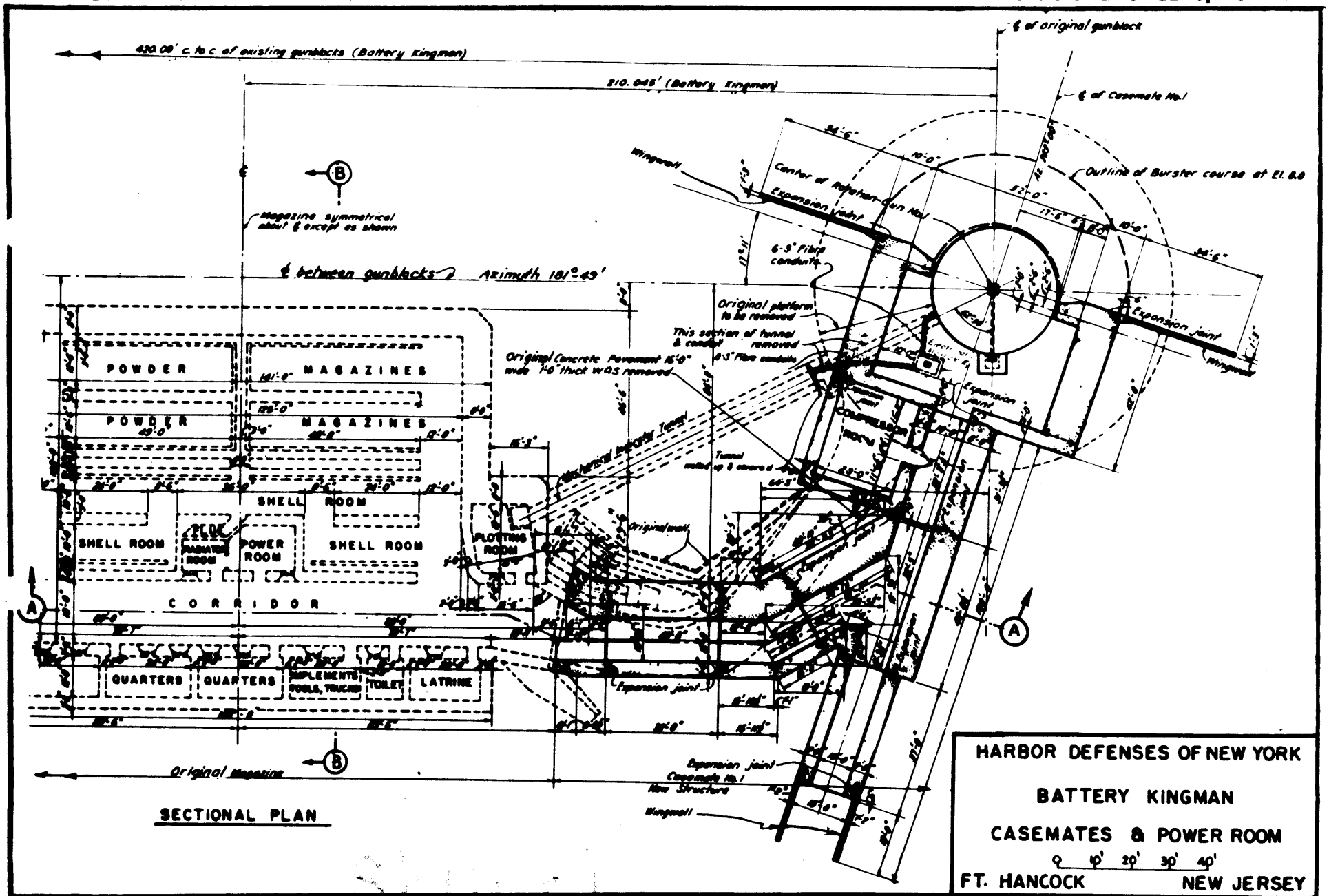
CASEMATES & POWER ROOM

0 10' 20' 30' 40'

FT. HANCOCK NEW YORK

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY



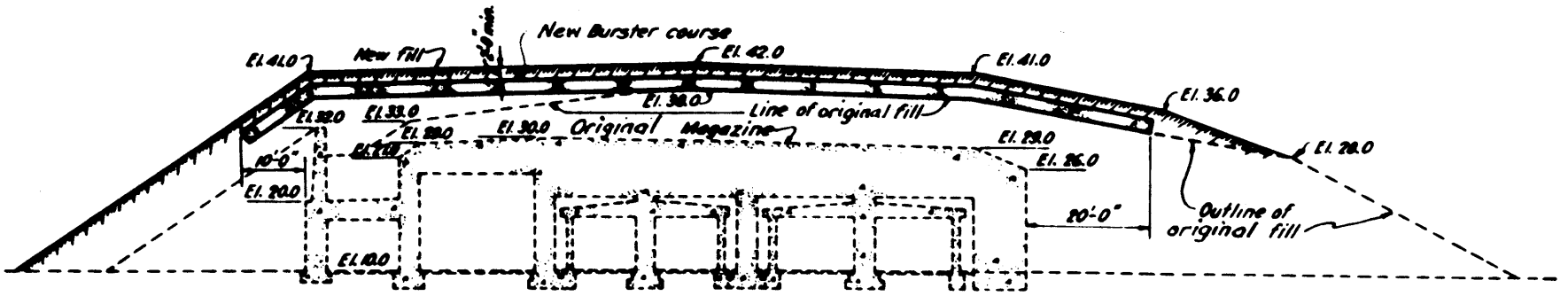
HARBOR DEFENSES OF NEW YORK

BATTERY KINGMAN

CASEMATES & POWER ROOM

0 10' 20' 30' 40'

FT. HANCOCK NEW JERSEY



SECTION "B-B"

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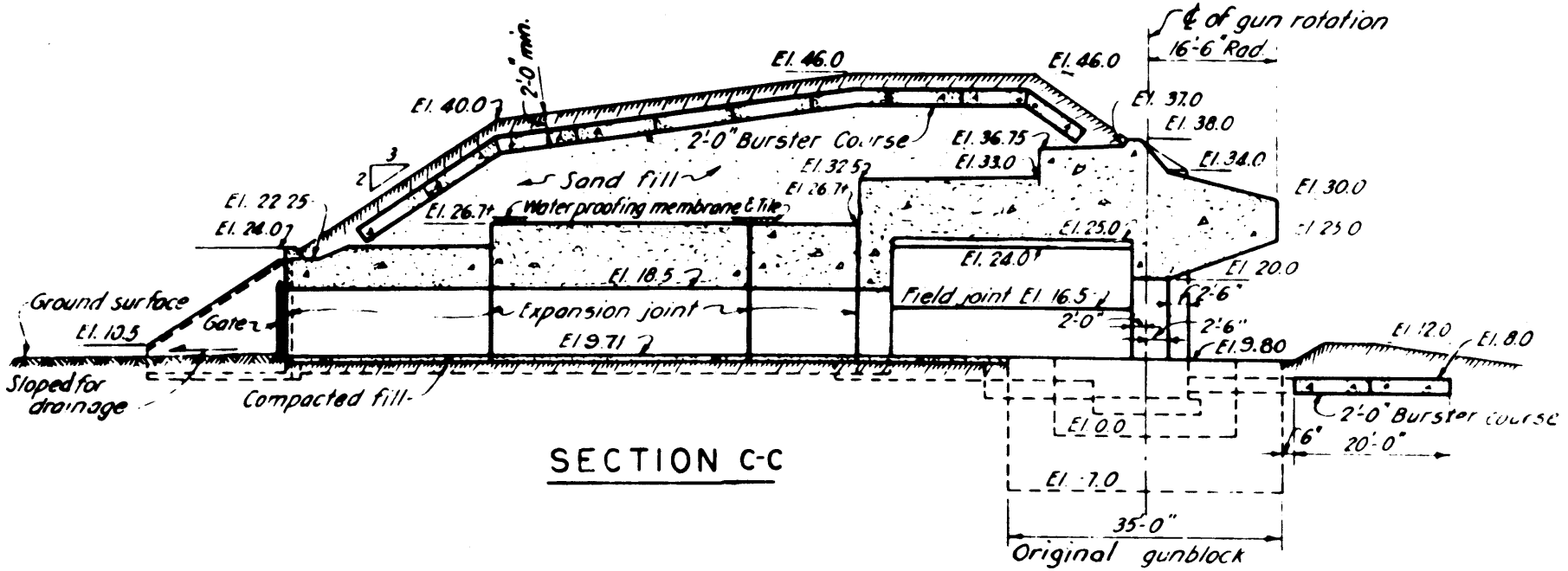
HARBOR DEFENSES OF NEW YORK

BATTERY KINGMAN

CASEMATES & POWER ROOM

FT. HANCOCK NEW JERSEY



SECTION C-C

DECLASSIFIED
DOD Dir. 5200.9, Sept. 27, 1958
NCWN by ____ date 6-11-70

HARBOR DEFENSES OF NEW YORK

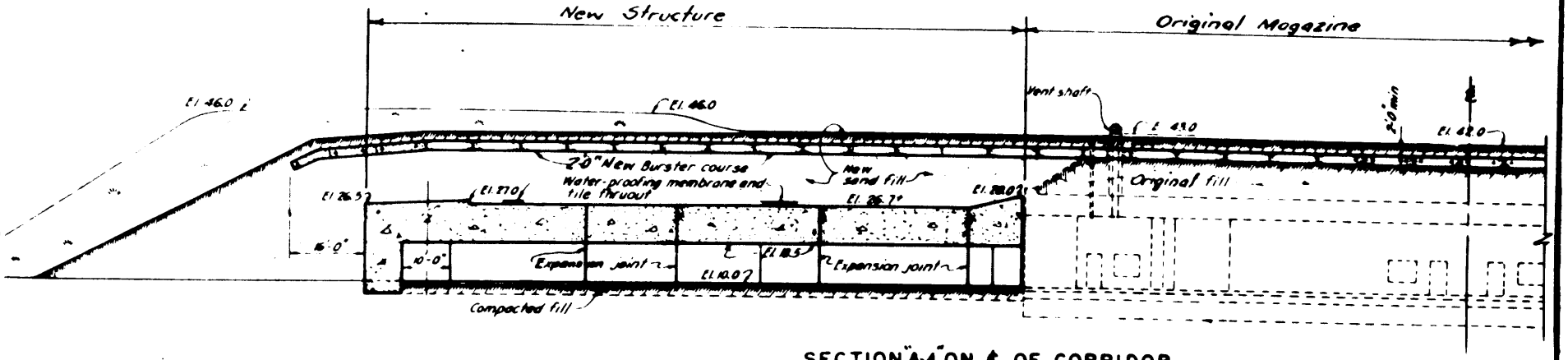
BATTERY KINGMAN

CASEMATES & POWER ROOM

FT. HANCOCK NEW JERSEY

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY



SECTION A-A ON ℄ OF CORRIDOR

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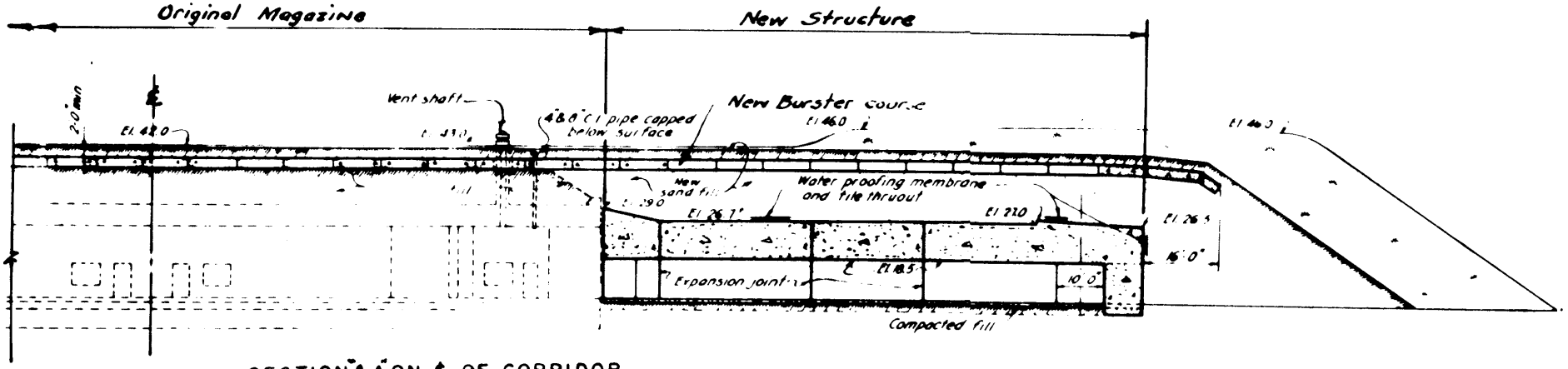
HARBOR DEFENSES OF NEW YORK

BATTERY KINGMAN

CASEMATES & POWER ROOM

FT. HANCOCK NEW JERSEY



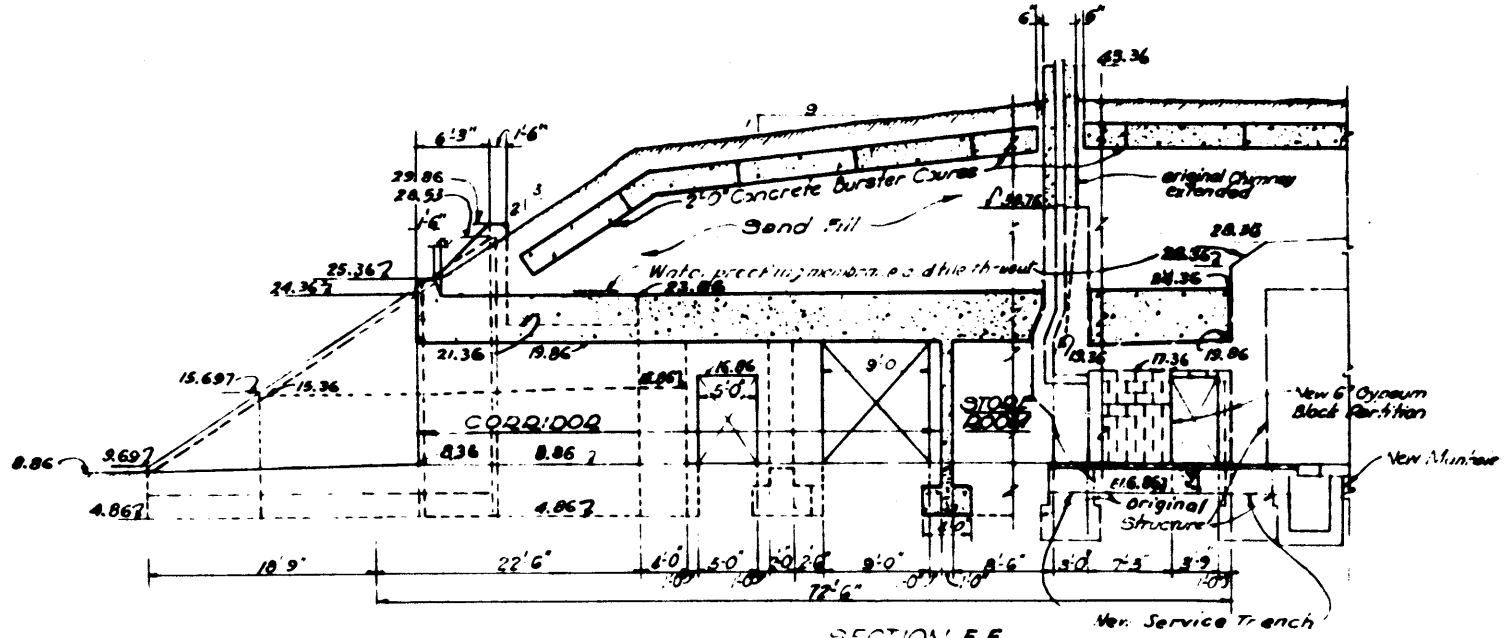
SECTION A-A ON ℄ OF CORRIDOR

HARBOR DEFENSES OF NEW YORK

BATTERY KINGMAN

CASEMATES & POWER ROOM

FT. HANCOCK NEW JERSEY



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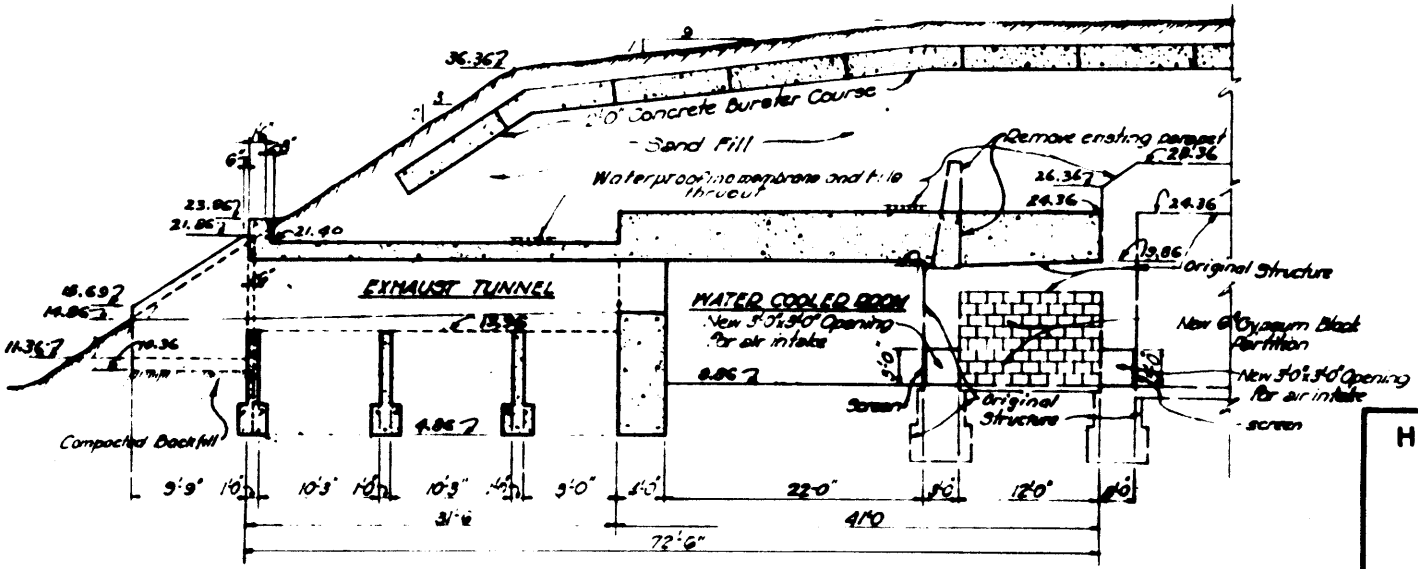


SECTION F-F

0 20' 40'

HARBOR DEFENSES OF NEW YORK

BATTERY KINGMAN

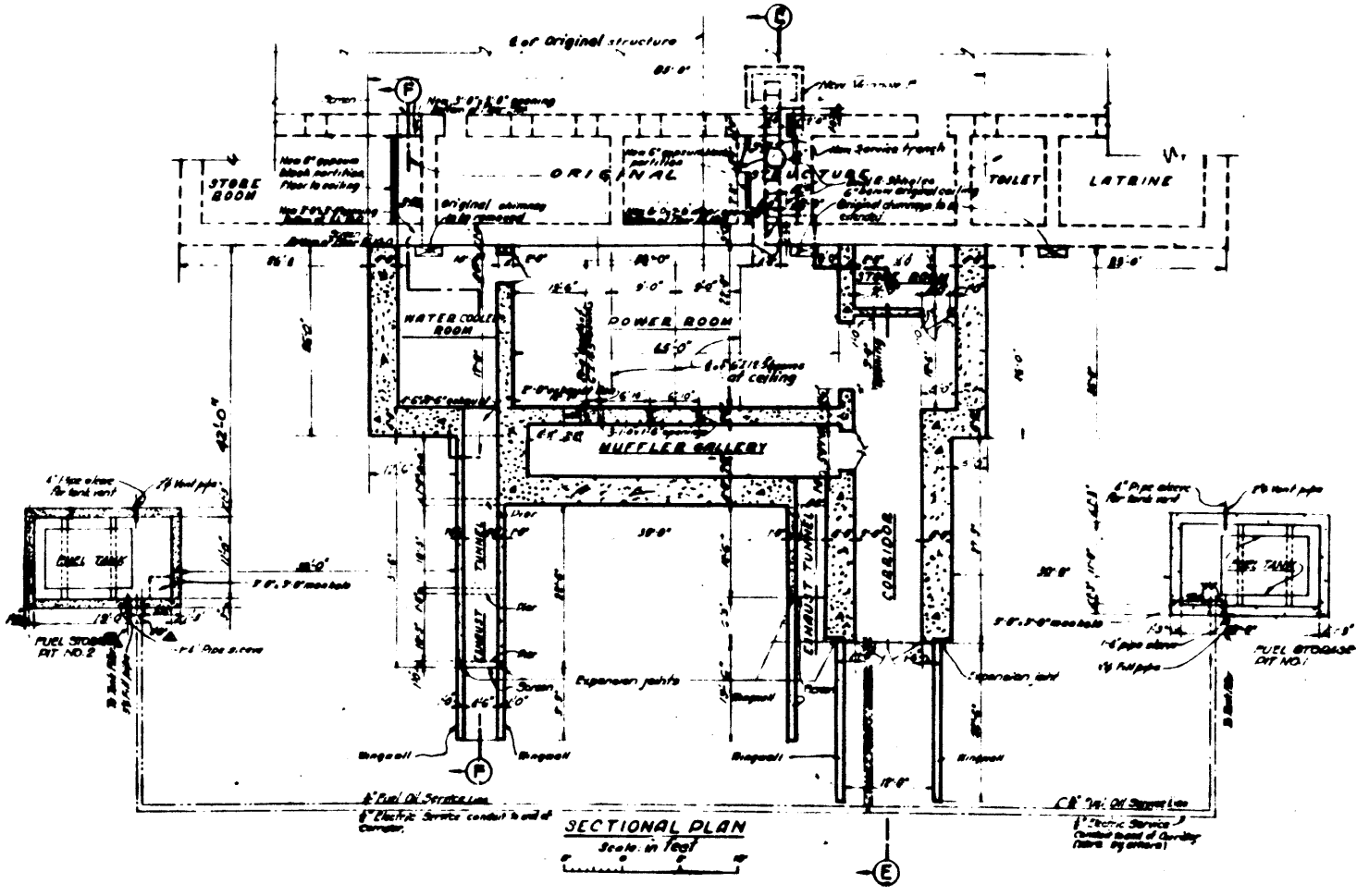
POWER ROOM

FT. HANCOCK NEW JERSEY

SECURE

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY



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HARBOR DEFENSES OF NEW YORK

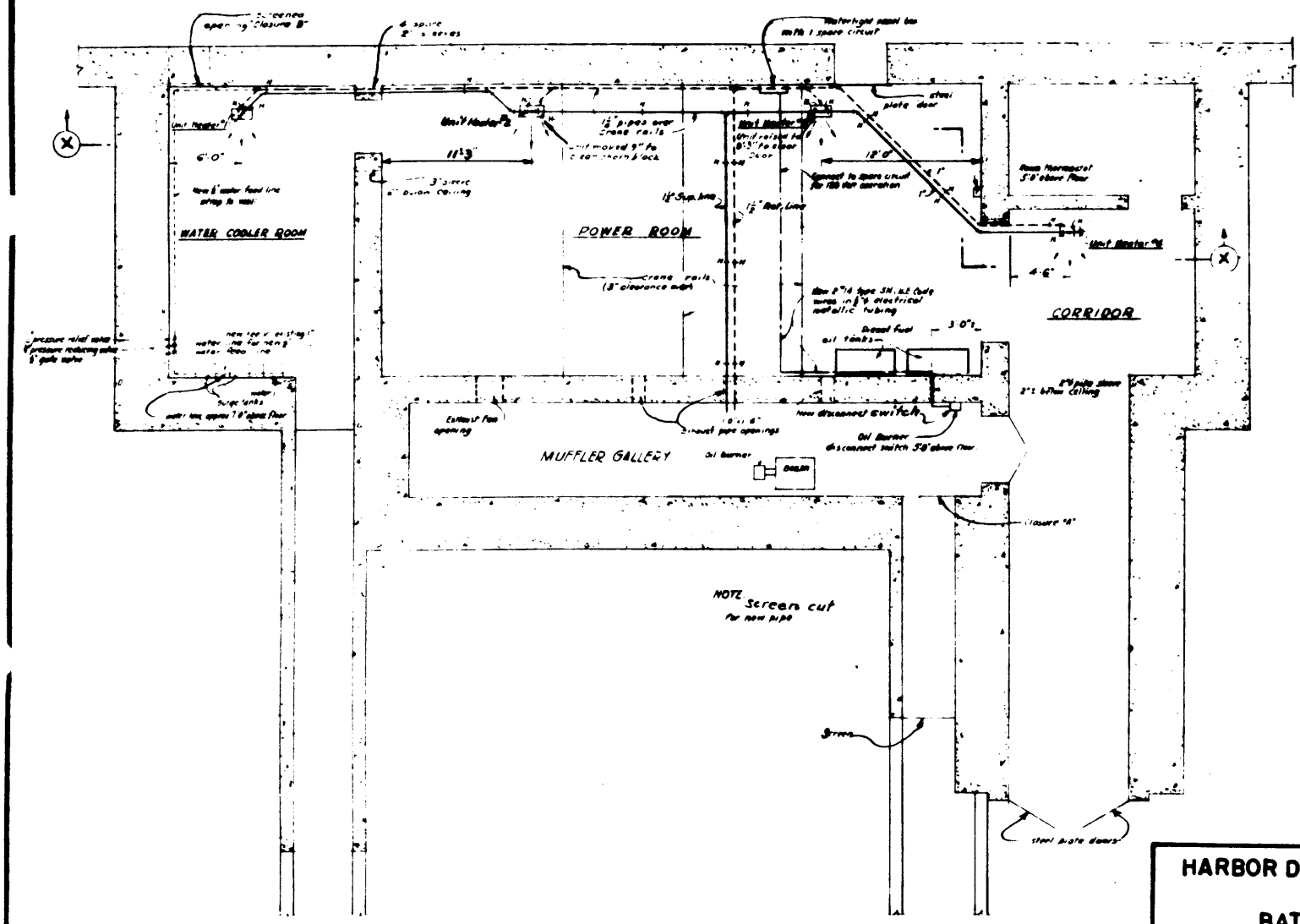
BATTERY KINGMAN

POWER ROOM

FT. HANCOCK NEW JERSEY

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY



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HARBOR DEFENSES OF NEW YORK

BATTERY KINGMAN

POWER ROOM HEATING SYSTEM

0 6' 12' 18' 24'

FORT HANCOCK NEW JERSEY