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The Modern Defenses of the Coast of Maine, 1891 - 1945 (Vol. 2)

Joel W. Eastman
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ANNEXES

TO THE MODERN DEFENSES OF THE COAST OF MAINE

1891 – 1945

Compiled by

Joel W. Eastman

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ANNEXES

TO THE MODERN DEFENSES OF THE COAST OF MAINE

1891-1945

Compiled by

Joel W. Eastman

Prepared for

Maine Historic Preservation Commission
Augusta, Maine

October 23, 1988

INTRODUCTION

The following annexes have been compiled to supplement the main report by providing maps of all of the sites and drawings and photographs of representative types of ordnance, batteries and structures. The maps come mainly from the 1938 and 1945 "Annexes to the Harbor Defense Project, Harbor Defenses of Portland." The battery and structure plans come from the records of the Corps of Engineers at the National Archives. The ordnance drawings and photographs come from a variety of publications of the departments of Army, Ordnance and War. The historic photographs of buildings come from the Quartermaster building record forms 117 in the possession of the South Portland-Cape Elizabeth Historic Society and the Cape Elizabeth Town Library. The contemporary photographs were taken by the author.

Sources Utilized

- Department of the Army. Artillery Material and Associated Equipment. Washington, D.C.: U.S. Government Printing Office, 1949.
- War Department, "Annexes to the Harbor Defense Project, Harbor Defenses of Portland, 1938.
- War Department, "Annexes to the Harbor Defense Project, Harbor Defenses of Portland," 1945.
- War Department, Coast Artillery Weapons and Material. Washington, D.C.: U.S. Government Printing Office, 1940.
- War Department, Fundamentals of Artillery Weapons. Washington, D.C.: U.S. Government Printing Office, 1947.
- U.S. Ordnance Department. Ordnance Document, various numbers. Washington, D.C.: U.S. Government Printing Office, various dates.

LIST OF ANNEXES

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Annex 1--MAPS OF FORTS, RESERVATIONS AND LOCATIONS

Endicott, Taft and Inter-War Periods, 1891-1938

Fort Baldwin, Kennebec River, 1920
Fort Foster, Gerrish Island, 1935
Fort Gorges, Diamond Island Ledge, 1935
Fort Levett, Cushing Island, 1935
Fort Lyon, Cow Island, 1935
Fort McKinley, Great Diamond Island, 1935
 D-1 North Fork
 D-2 Parade Ground
 D-3 North and South Forks
Fort Preble, Spring Point, 1935
Fort Scammel, House Island, 1935
Fort Williams, 1935
Jewells Island, 1935
Long Island, 1919
Peaks Island, 1935

World War II, 1939-1945

Location of Elements, Harbor Defenses of Portland, 1945
Location no. 148 Fort Foster
Location no. 149 Sisters Point
Location no. 150 Seal Head Point
Location no. 151 Cape Neddick
Location no. 152 Bald Head Cliff
Location no. 153 Moody Beach
Location no. 154 Gelaspus Point
Location no. 155 Cape Porpoise
Location no. 156 Fletchers Neck
Location no. 157 Prouts Neck
Location no. 158 Cape Elizabeth
Location no. 159 Trundy Point
Location no. 160 Fort Williams
Location no. 161 Fort Levett
Location no. 162 Fort Preble
Location no. 163 Peak Island
Location no. 164 Fort McKinley
Location no. 165 Fort Lyon
Location no. 166 Long Island
Location no. 166A Great Chebeague Island
Location no. 167 Jewell Island
Location no. 168 Bailey Island
Location no. 169 Small Point
Location no. 170 Fort Baldwin

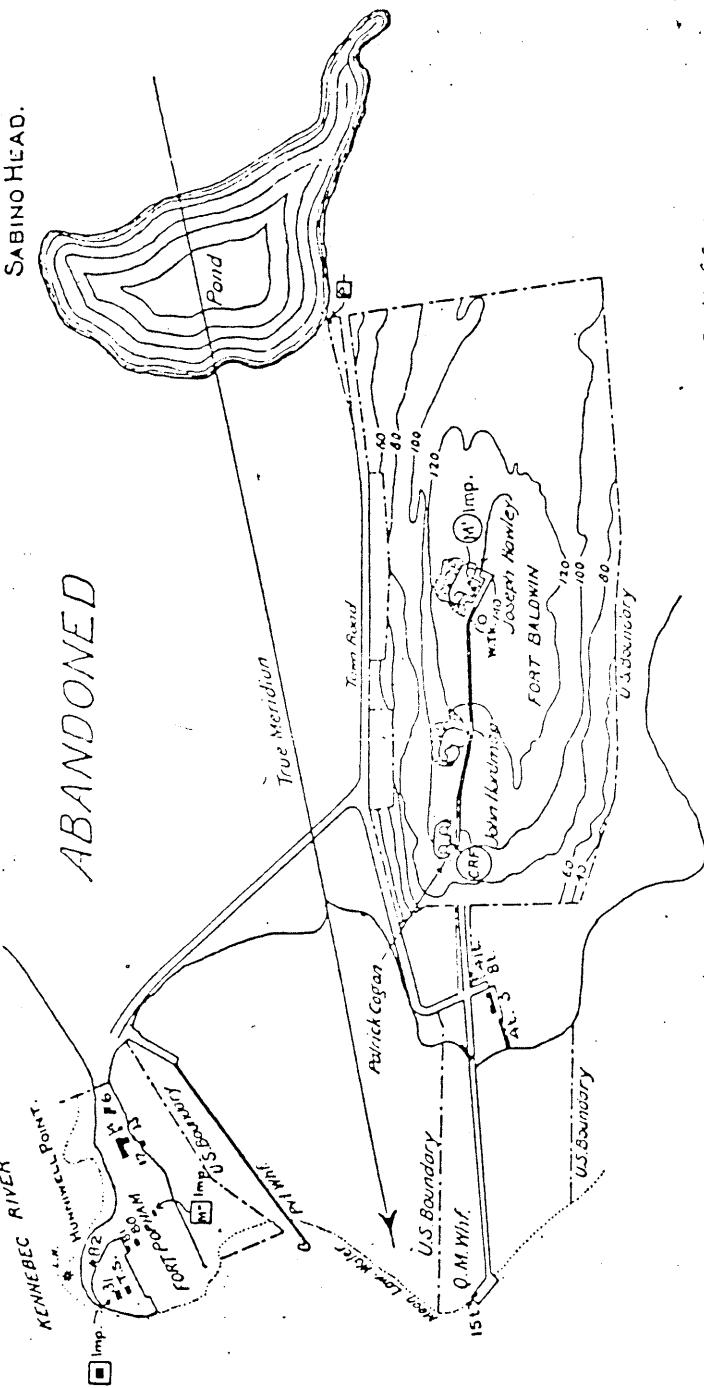
[EDITION OF JAN. 14, 1915.
REVISED: DEC. 7, 1915; APRIL 10, 1920.

- LEGEND.
3. OFFICERS QRS.
4. HOSPITAL.
6. NCOFFICERS QRS.
8. GUARD HOUSE.
12. BOAT HOUSE.
13. STABLE.
14. WOOD SHED.
15. STONEHOUSE.
31. ORDNANCE ST. HQ.
41. HOSPTER HOUSE AND
CEMENT SHED.
80. LIGHT-KEEPER'S HQ.
81. WOOD SHED.
82. OIL HOUSE.

KENNEBEC RIVER, ME.
FORT BALDWIN
SABINO HEAD.

CONFIDENTIAL

ABANDONED



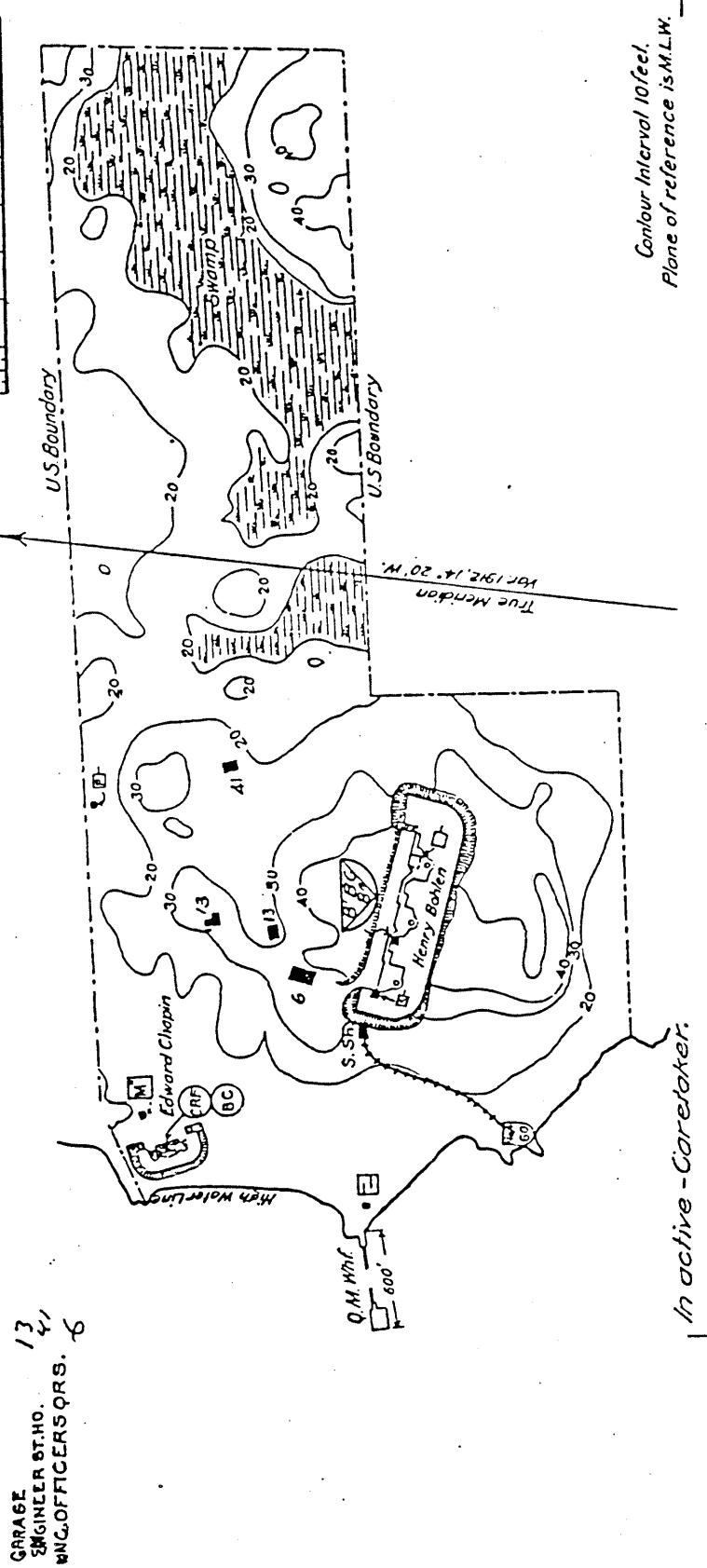
Scale of feet
100' 0' 200' 300' 400' 500' 600' 700' 800' 900' 1000' 1100'

Contour Interval 20 feet.

LEGEND. EDITION OF JAN 14, 1915.
REVISIONS, OCT. 7, 1915 MAR. 27, 1916:
APRIL 10, 1920; FEB. 11, 1921.
MAY 6, 1929, FEB. 12, 1935

SERIAL NUMBER

FORT FOSTER PORTSMOUTH HARBUR, N.H.
BOHLEN...3-10" DIE
CHAPIN.....2-3" P.
DATTENLOH.



Contour Interval 10 feet.
Plane of reference is M.L.W.

In active-caretaker.

~~SECRET~~

Exhibit 10-
Loc 148
Army
138

3

8

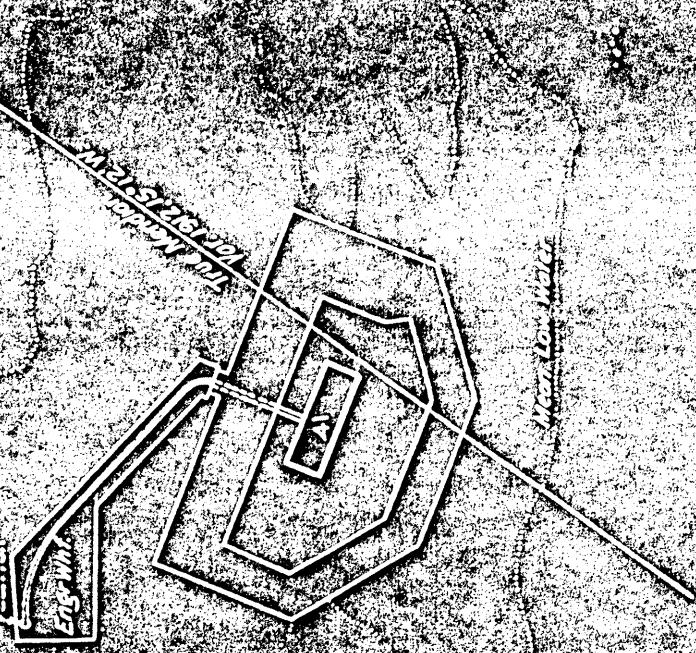
PORTLAND HARBOR ME
FORT GORGES
DIAMOND ISLAND LEDGE

136

SERIAL NUMBER

EDITION OF JAN 1 1915
REVISIONS MAY 6, 1923
FEB 12, 1938

LEGEND
ENGINEER ST. HO



Scale 1/2 inch = 100 feet

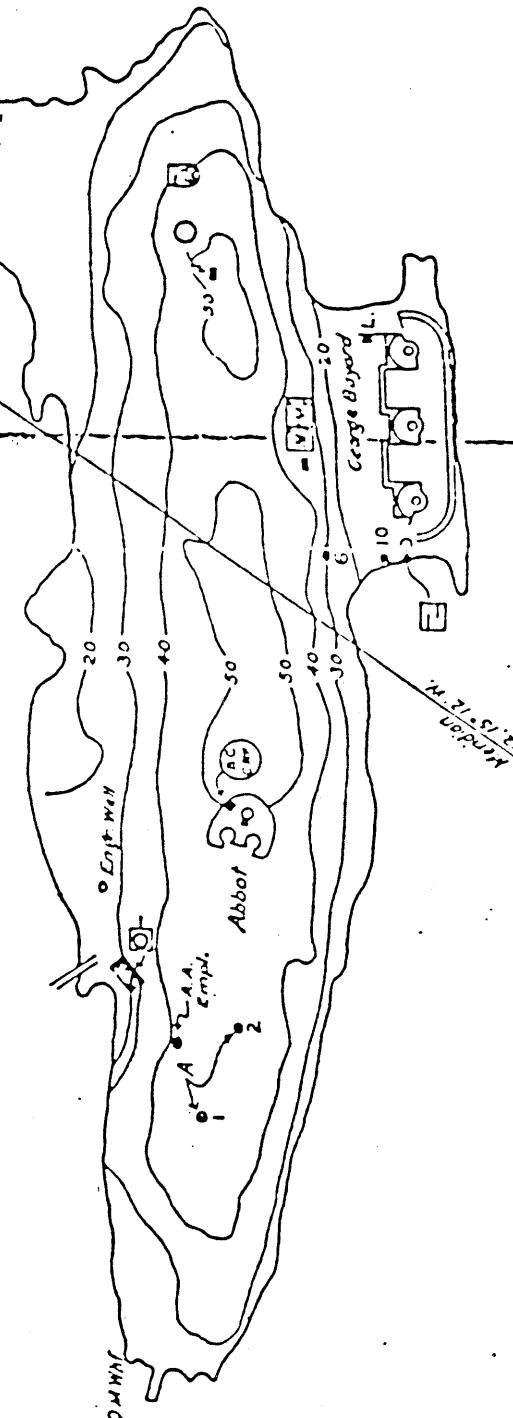
LEGEND.
6 N.C.Q. QUARTERS
10: WOOD SHED

EDITION OF JAN 14, 1915.
REVISIONS: CCC 7 1915 MAR 21 1916.
APRIL 10, 1920; FEB 11, 1921; JAN 25, 1925.
AUG. 17, 1929, FCO. 12, 1935.

PORTLAND HARBOR, ME.
FORT LYON
Cow Island

BATTERIES.
BAYARD-----
ABBOT-----3-3° P.

A. - A.A. Guns 2-3°
One empl for A.A. Gun



Inactive-Caretaker.
L

Contour interval 10 feet.
The plane of reference is M.L.W.

Scale of feet
100 0 100 200 300 400 500

SERIALIZED

Exhibit 5-A

LEGEND

- 1 ADMINISTRATION BLDG.
- 2 OFFICERS QUARTERS.
- 3 N. C. O. QRS.
- 4 BARRACKS
- 5 GUARD HOUSE.
- 6 POST EXCHANGE.
- 7 BOWLING ALLEY.
- 8 BOAT HOUSE.
- 9 BOWMILL.
- 10 BAND STAND.
- 11 TARGET PITS.
- 12 TEMP. SMTH. HO.
- 13 T.M.P. BLKSMTH. SHOP.
- 14 DORMITORY.
- 15 GAS GENERATOR.
- 16 BALLOON HANGAR.
- 17 HOISTER HOUSE.

EDITION OF OCTOBER 20, 1919.
REVISIONS: APRIL 10, 1920. JAN. 29, 1925.
MAY 6, 1929, FEB. 12, 1935.

SERIAL NUMBER
Q-333-34-1

BATTERIES.

NORTH FORK.....4-12" N
INGALLS.....4-12" N
BERRY.....2-12" DI
THOMPSON.....3-8"
ACKER.....2-6"
FARRY.....

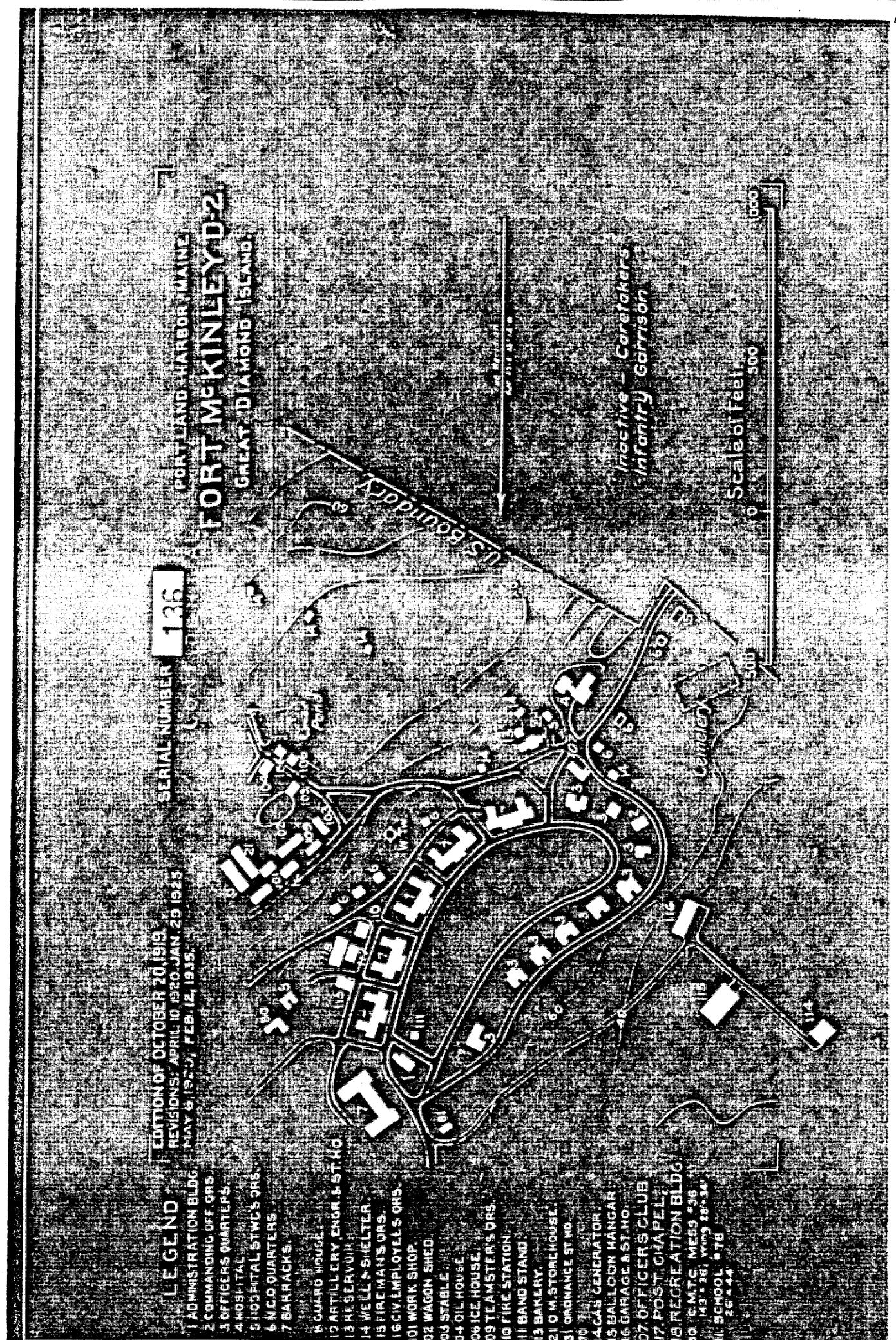
PORTLAND HARBOR, MAINE.

FORT MCKINLEY D-1.

GREAT DIAMOND ISLAND.

Scale of Feet.
0 500 1000

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EDITION OF OCTOBER 20, 1919,
SERIAL NUMBER 2
EDITIONS: APRIL 10, 1920, FEB 11, 1921;
JAN 25, 1925; MAY 6, 1929; FEB 12, 1935

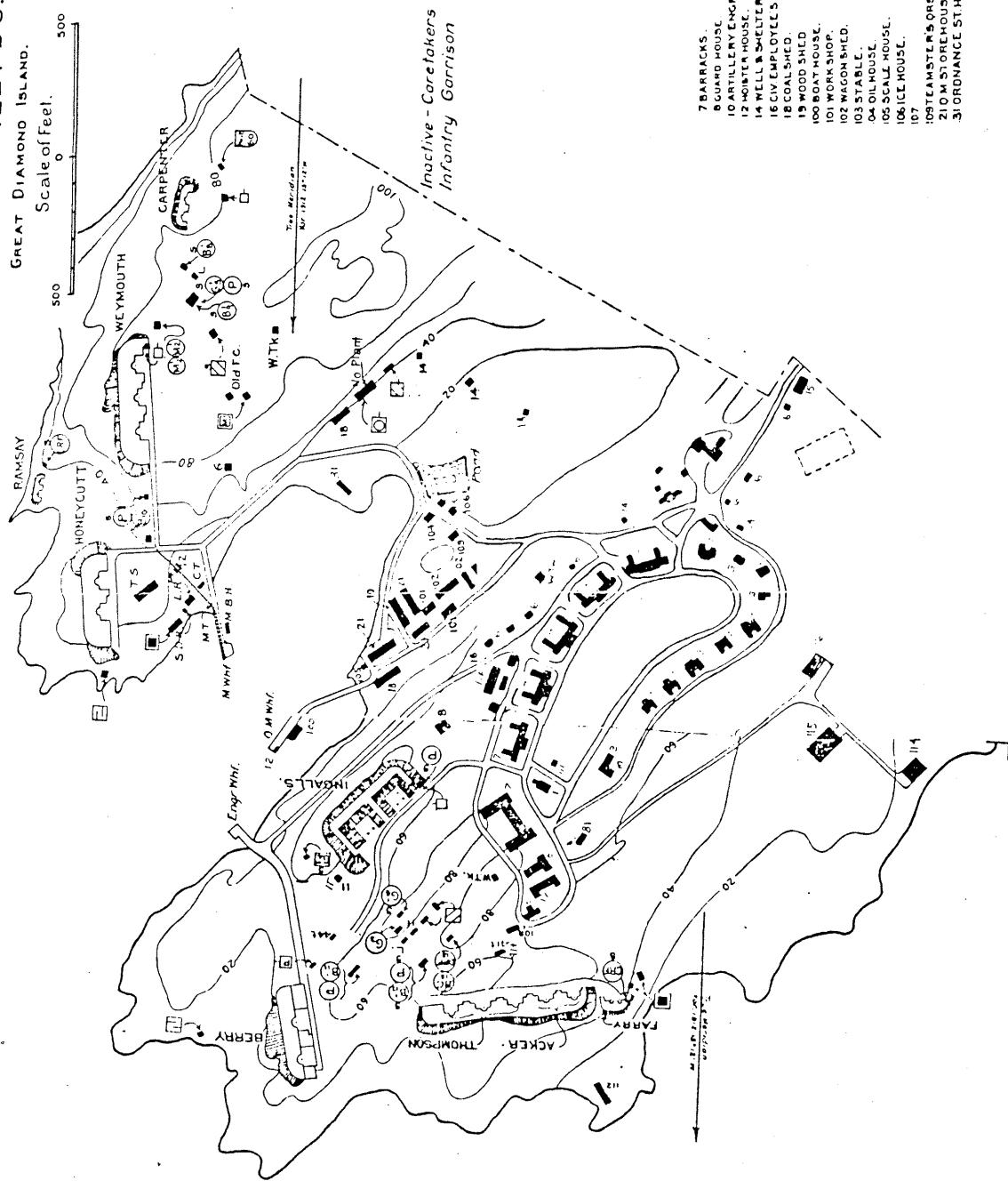
SERIAL NUMBER
2
FORT MCKINLEY D-3.

PORLAND HARBOR, MAINE.

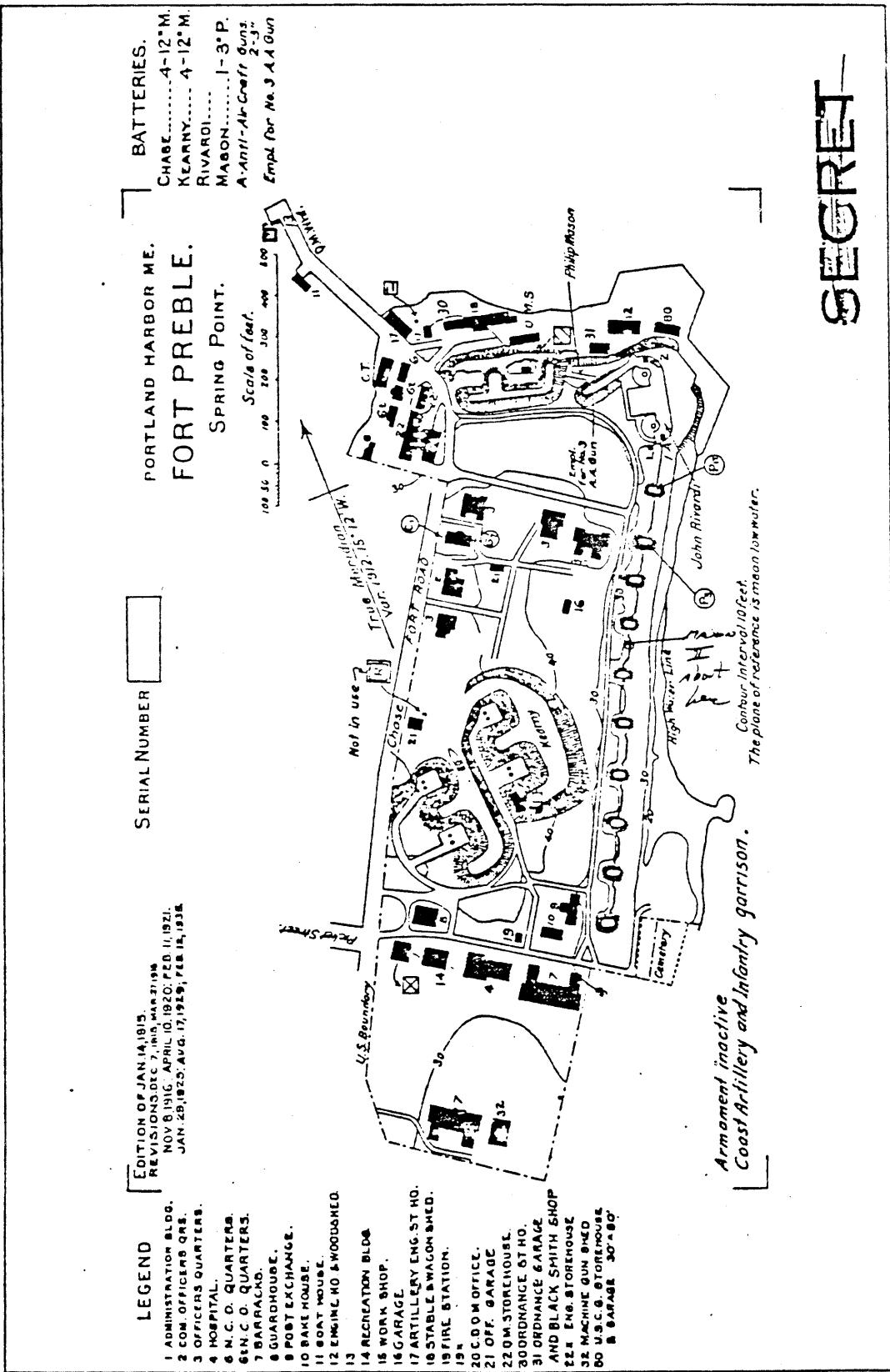
GREAT DIAMOND ISLAND.

Scale of Feet.

500



SECRET

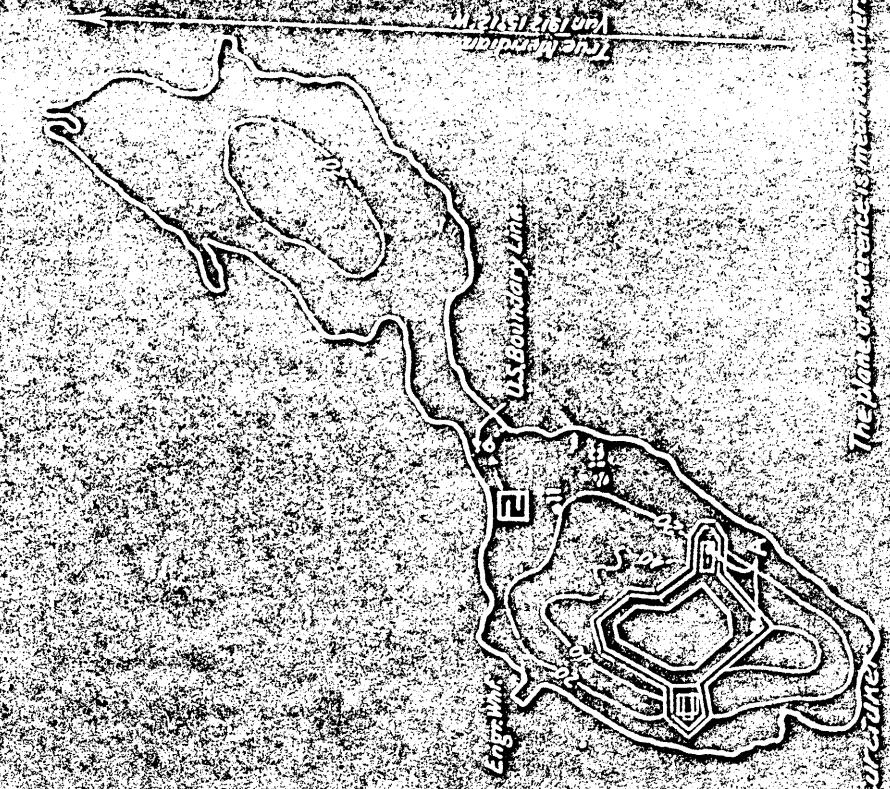


LEGEND
SHELTER
WELL SHELTER (TEMP)

EDITION OF JAN 14 1915
REVISIONS MAR 21 1916
MAY 8 1929 FEB 21 1935

SERIAL NUMBER 136

PORTLAND HARBOR ME
FORT SCAMMEL
House Island
A-3 Anti-Air Craft Gun
(B-22 Gun)



Scale of 1 mile
1000 feet
1000 meters
1000 yards

Compass rose

1000

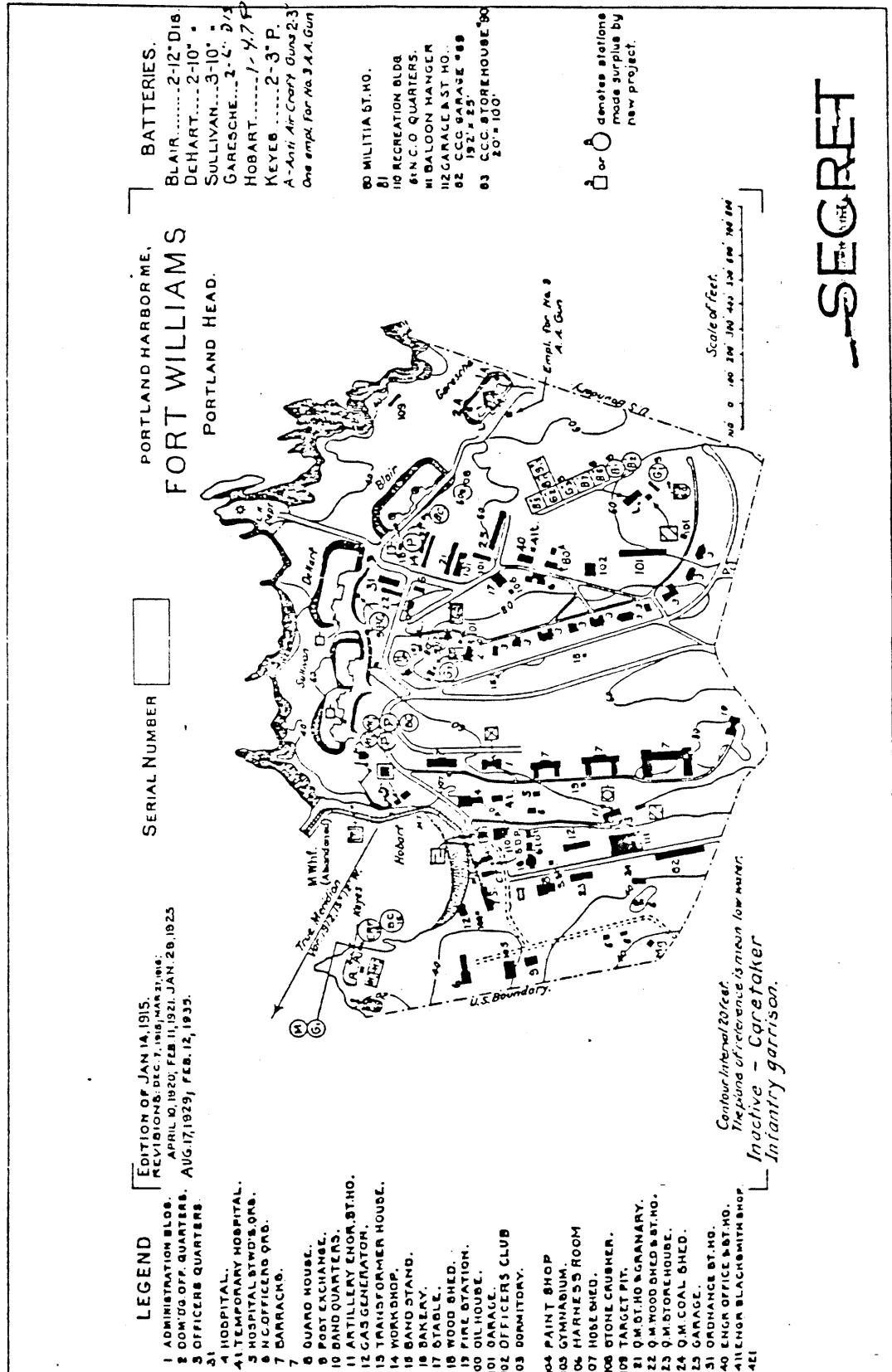
1000

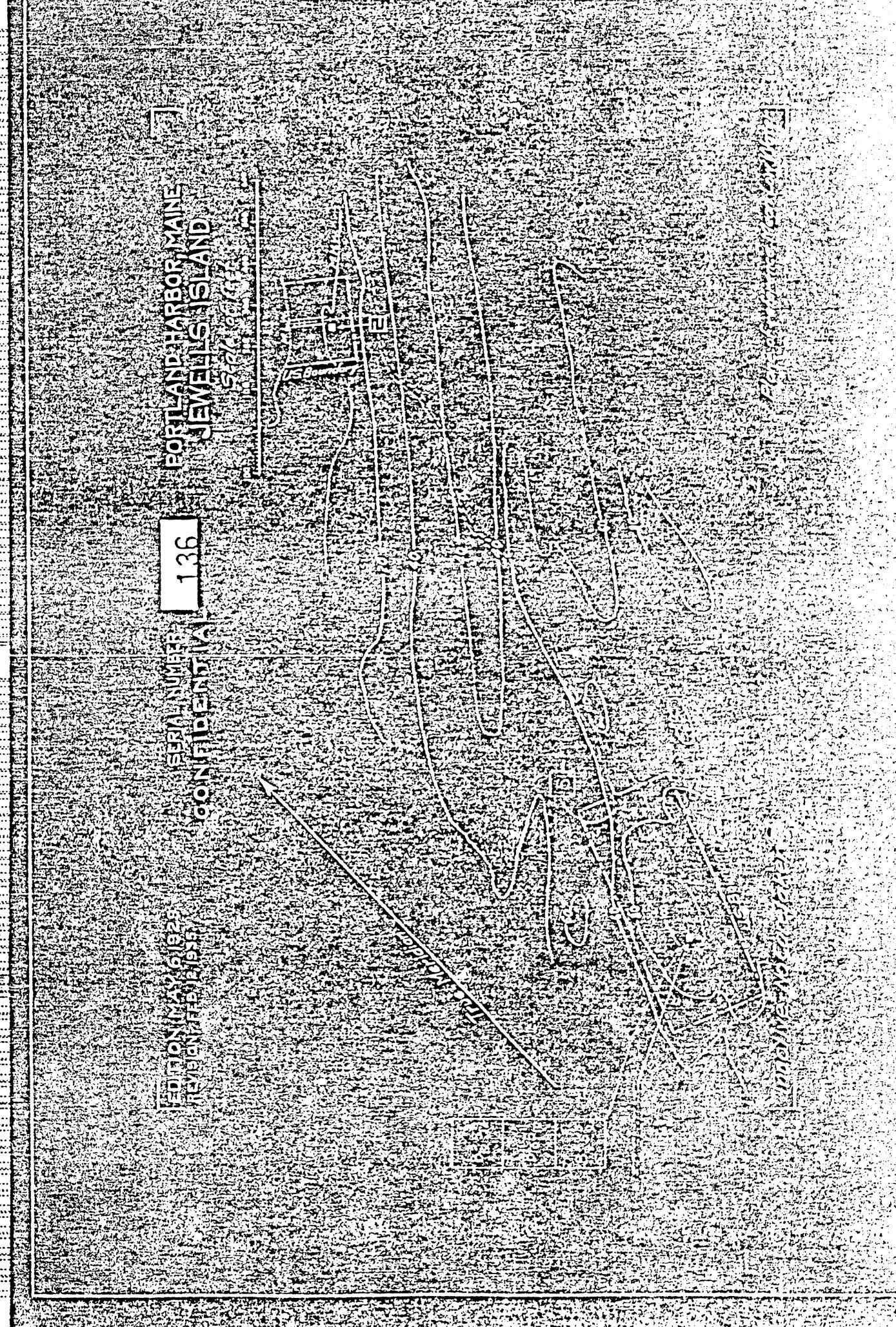
1000

1000

Exhibit 1A

SECRET



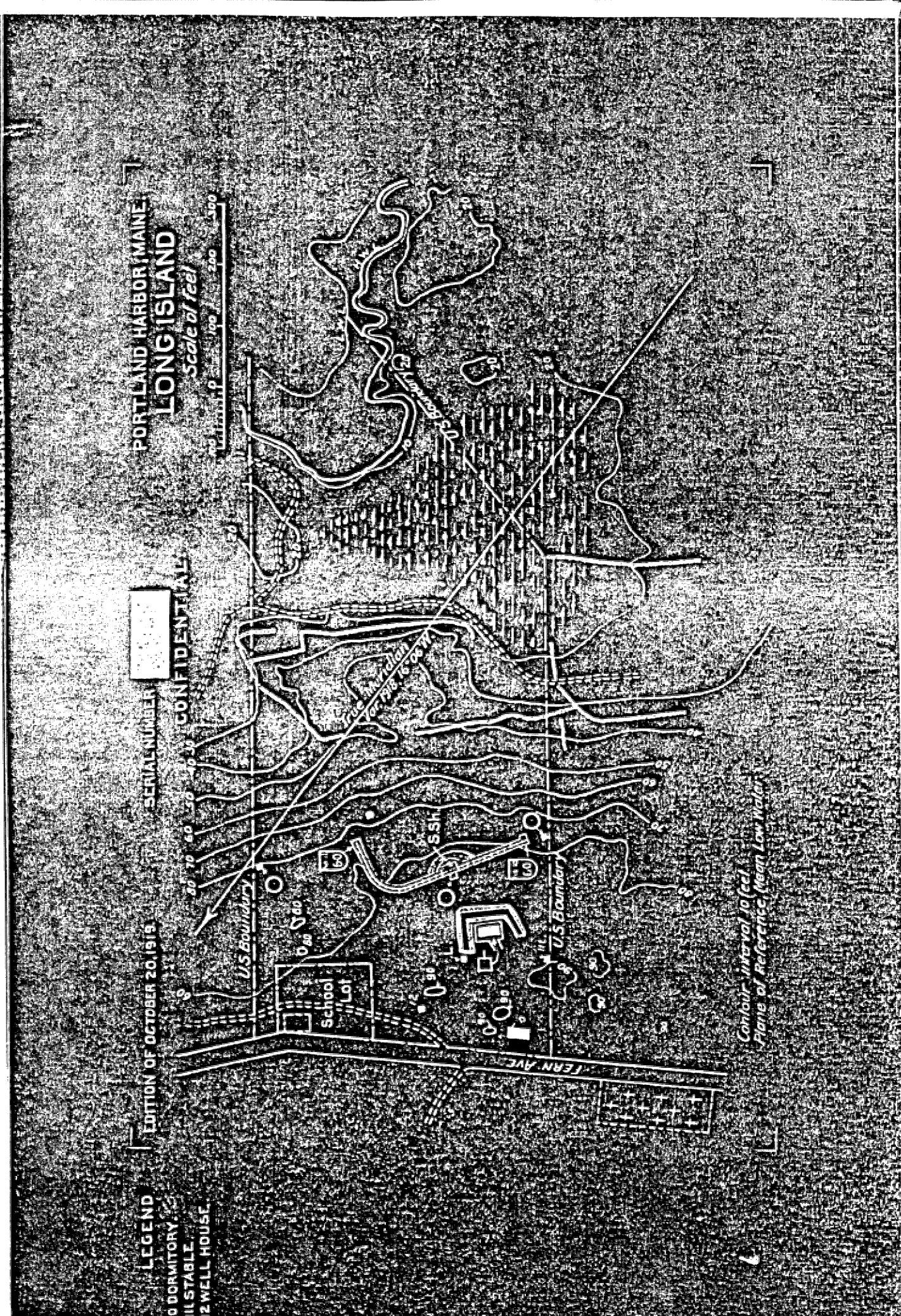


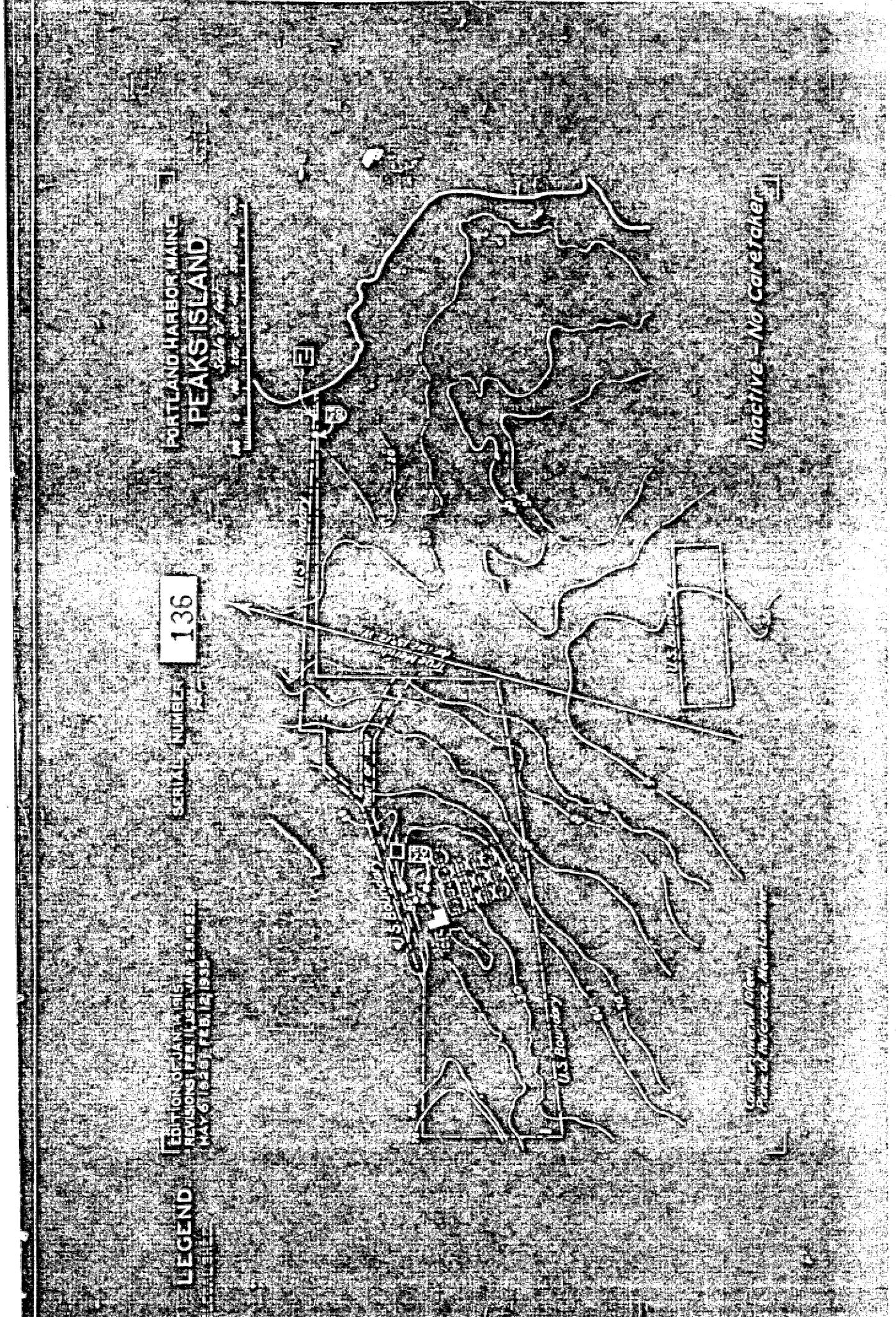
PORTLAND HARBOR MAINE
JEWELL'S ISLAND

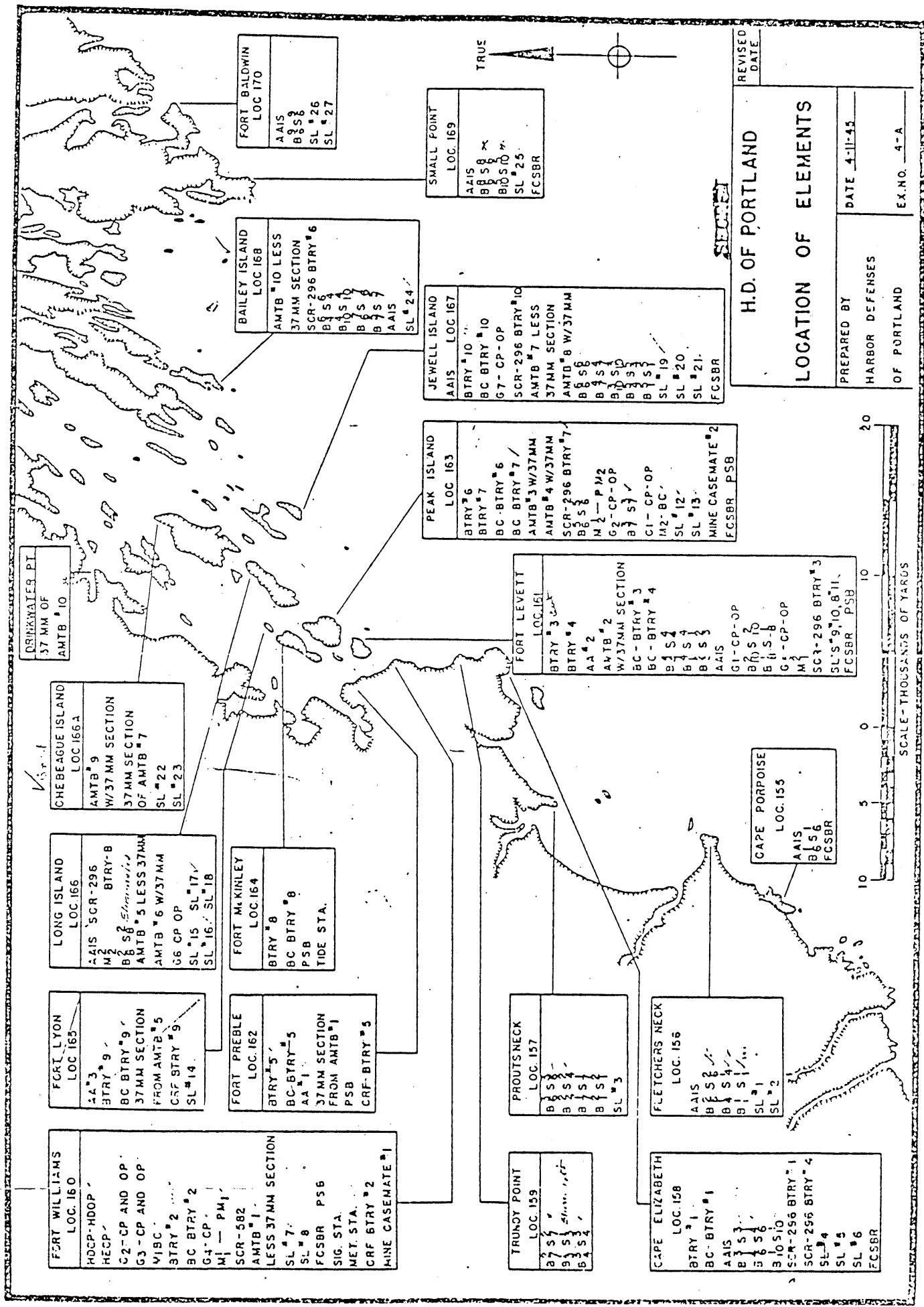
136

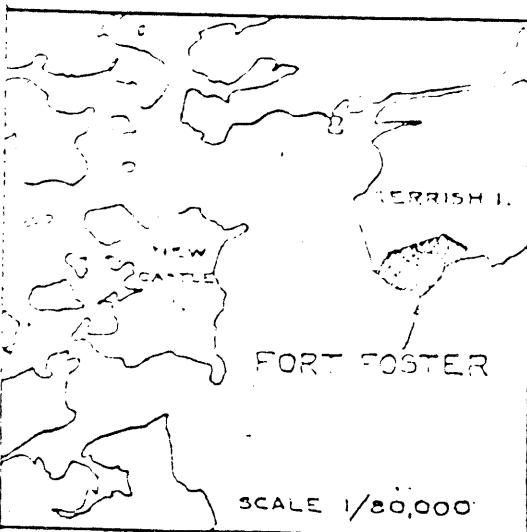
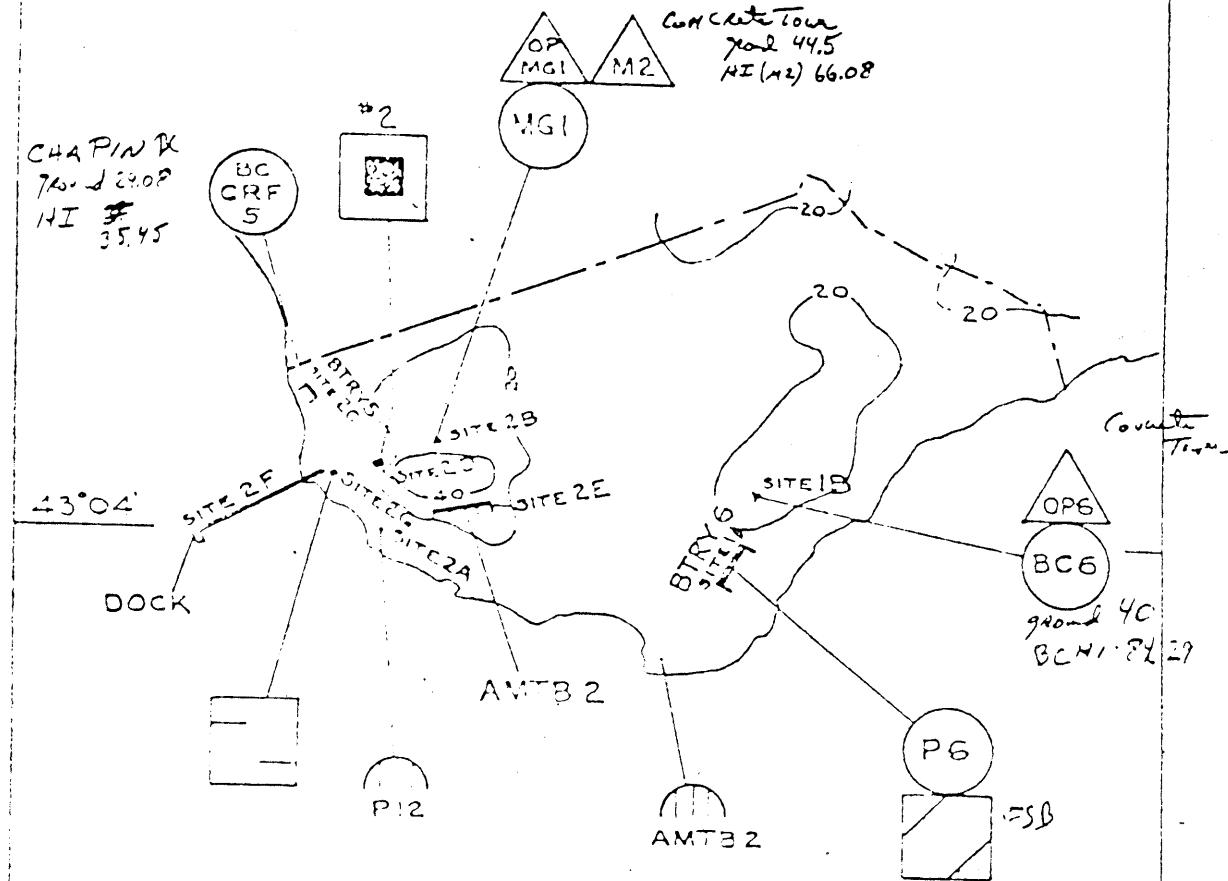
CONFIDENTIAL
SERIAL NUMBER

EDISON FILM CO.
1915





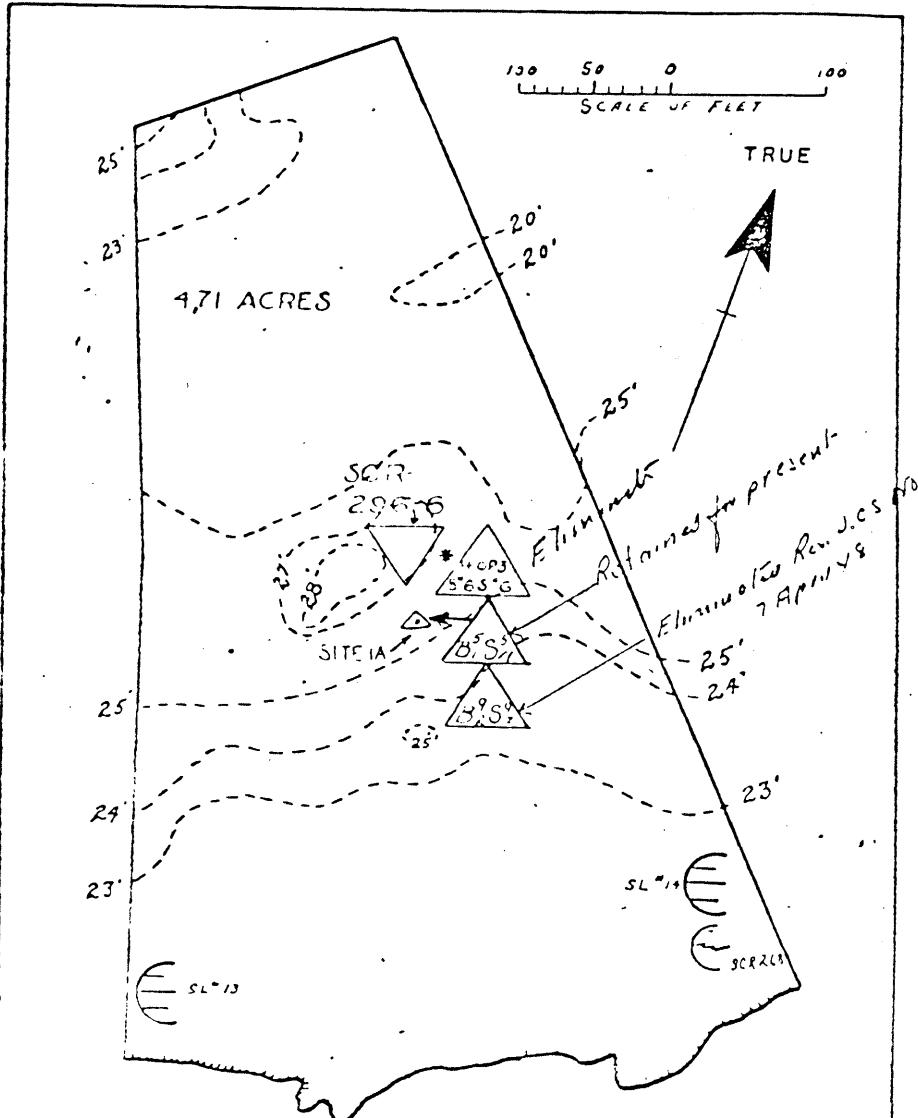




SECRET

H.D. OF PORTSMOUTH
LOCATION '48
FORT FOSTER

PREPARED BY H.D. OF PORTSMOUTH	DATE 1-1-48	REVISED EX. NO. 9-3-15
SCALE 1 / 10,000		



* H-OP 3 COMBINED WITH B⁴ S⁴₆, NO ADDITIONAL COMMUNICATIONS REQUIRED.



SECRET

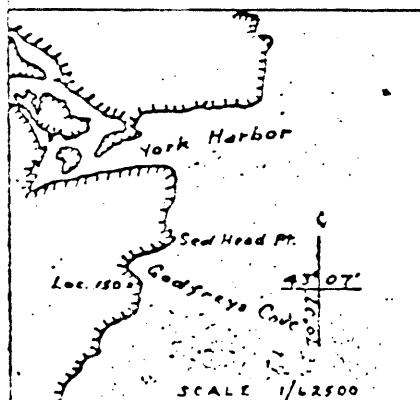
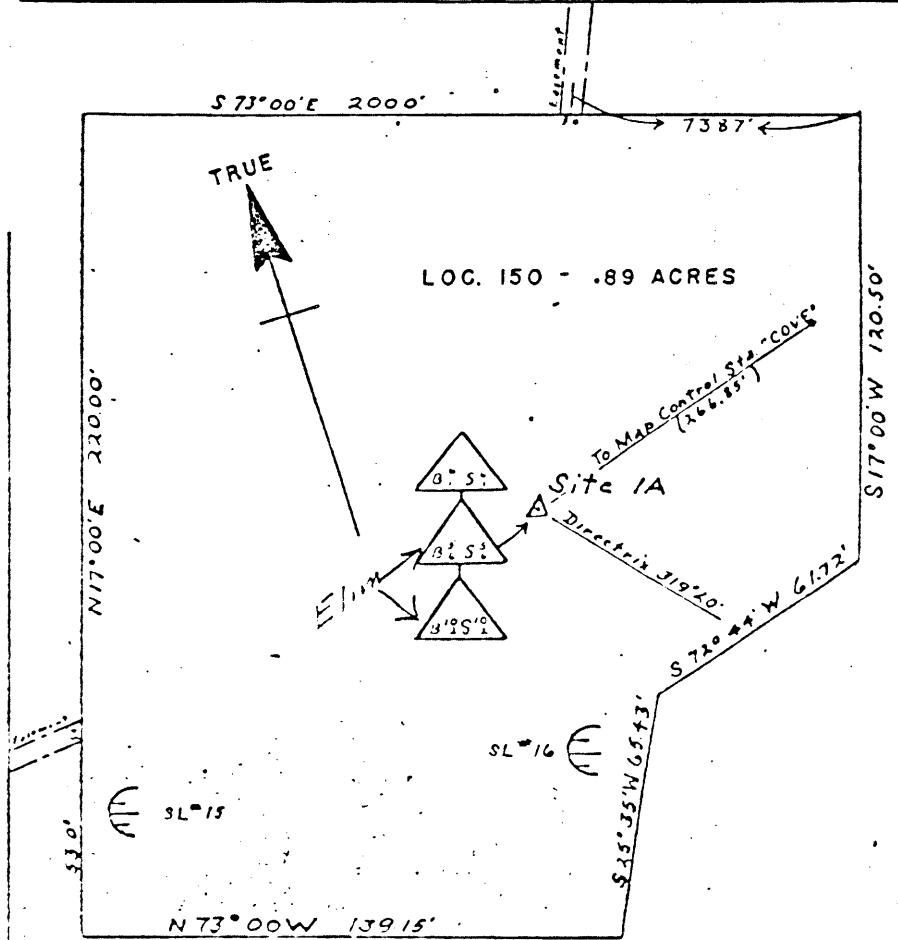
HD OF PORTSMOUTH LOC. 149 SISTERS POINT	
PREPARED BY HD OF PORTSMOUTH	DATE 7-1-43 EXH. NO. 9-B-16
REVISED DATE 1-4-45	
SCALE - 1" = 100'	

DECLASSIFIED
11070162
37 NARS, Date

LOC. 150
SEAL HEAD PT.

10	10
B	2
2	S 2
3	6
4	1
W	5
5	6
6	7
7	8
8	9
9	10
10	11

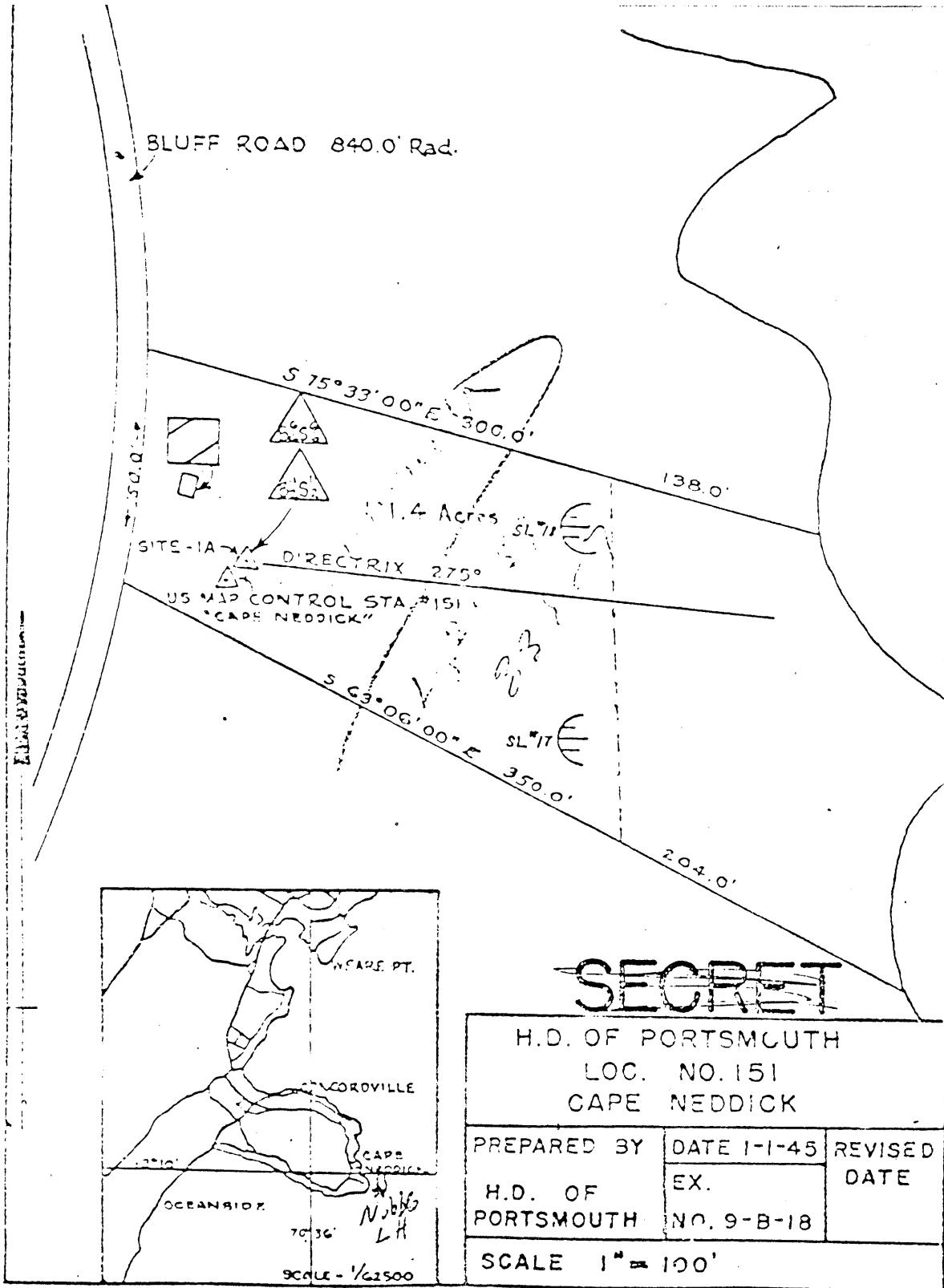
GLS 15,15



SECRET

H D OF PORTSMOUTH	
LOC. 150	
SEAL HEAD POINT	
PREPARED BY	DATE 1-1-45
REVISED	
H D OF EXHIBIT NO. DATE	
PORTSMOUTH 9-B-17	
SCALE - 1" = 40'	

DECLASSIFIED
NND 7-10-16-2
By _____ NARS, Date _____



TRUE

S'EASEMENT FOR SEWER

DUE EAST - 135 0'

DUE NORTH - 110 0'

0.37 ACRES

DUE SOUTH 110 0'

B'2 S'2

SITE 1A 27005° DIRECRIX

SL 74



DUE WEST - 135 0'

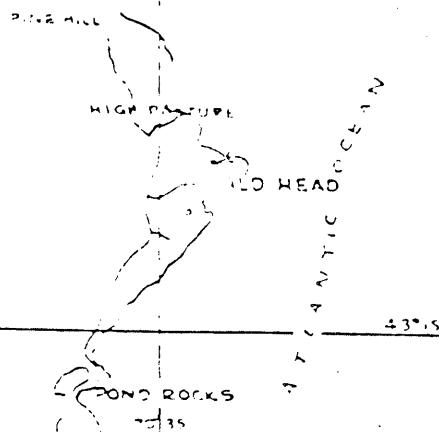
Coastal State
Jan 73
Scale 1:20,000

RIGHT OF WAY 20' WIDE



MAP CONTROL DISK
• 52° BALD HEAD CLIFF

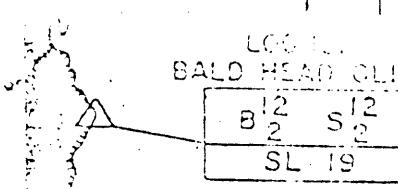
CLIFF HOUSE HOTEL

**SECRET**

HO OF PORTSMOUTH
LOC. 152
BALD HEAD CLIFF

PREPARED BY	DATE 1-1-45	REVISED DATE
HO OF PORTSMOUTH	EX	
	NO 98-19	

SCALE - 1" = 40'



S 60° 45' 55" E

100.0'

TRUE

Ocean Avenue

99.03'

N-26° 52' 40"E

32'

0.32 Acres

29'

30'

31'

SL X0

15064

S-27° 05' 25" W

285°
DIRECT LINE
from 310
SEAN HI 55.5465.06'
N 52° 00' 00"Ocean Avenue
TO OCEAN FRONT

LOC 153
LOC 154
LOC 155
LOC 156
SL 20

60.57'
R 44.00

SCALE - 1/62500

WELLS BEACH

MOODY BEACH
Loc. 153

OGUNGUIT BEACH

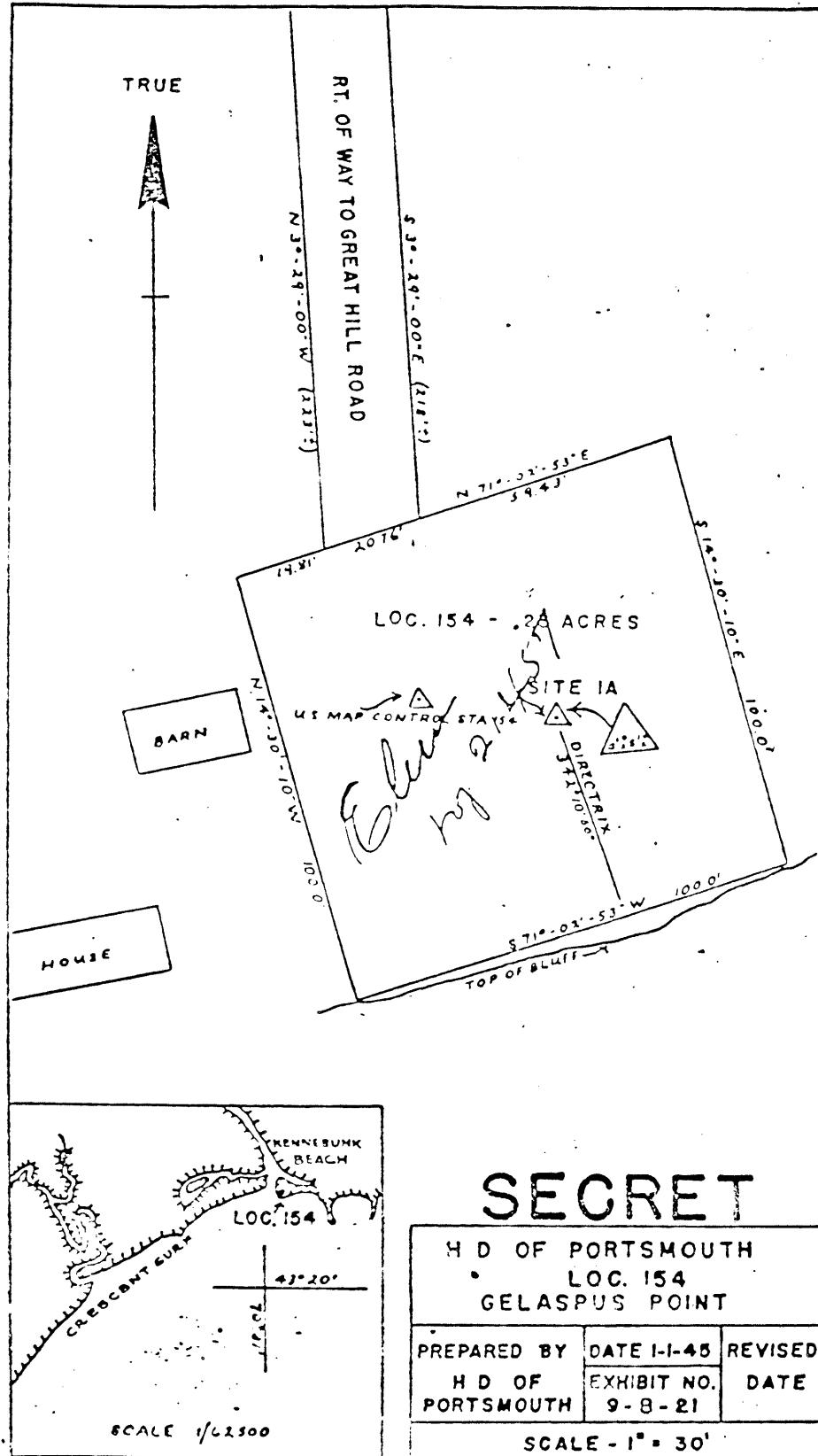
43° 17'

2° 33'

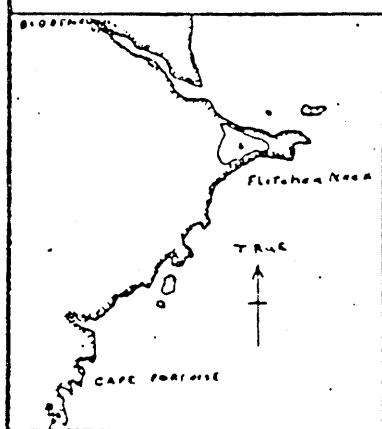
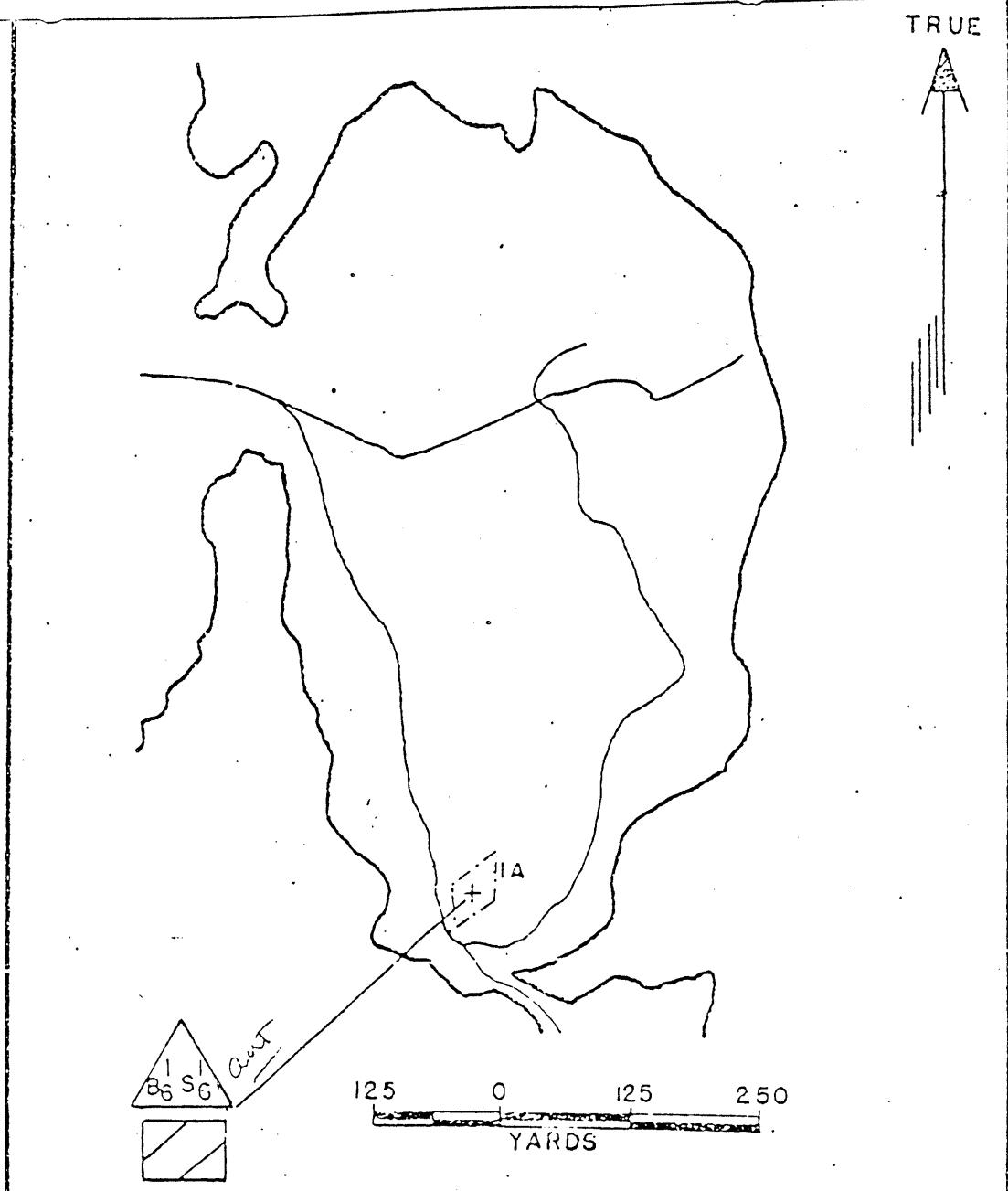
SECRETH. D. OF PORTSMOUTH
LOC. 153

MOODY BEACH

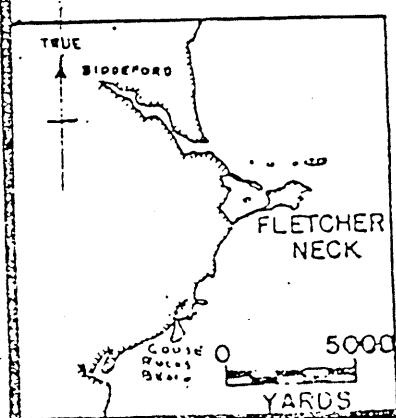
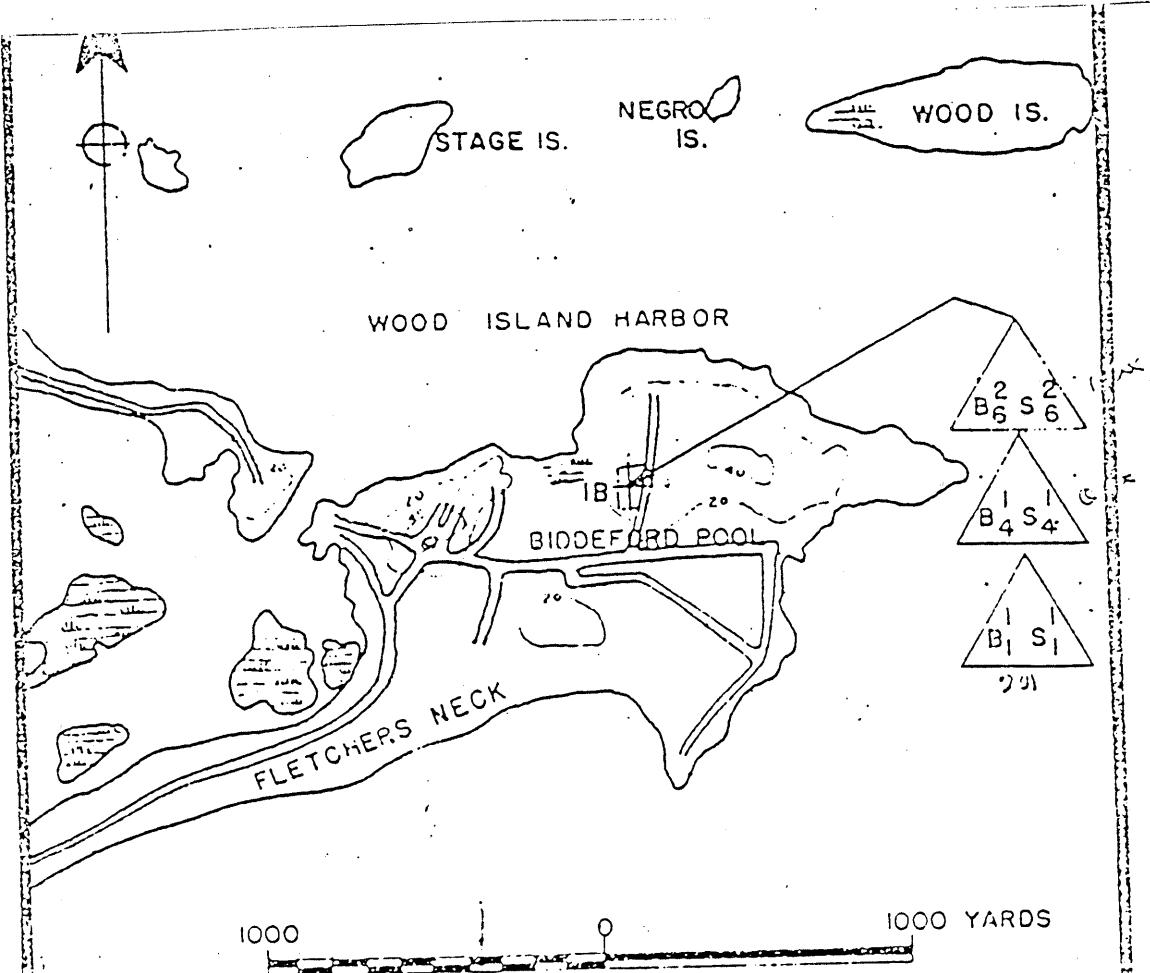
PREPARED BY	DATE	REVISED
H. D. OF PORTSMOUTH	EX. NO.	DATE
	9-B-20	1-1-45



DECLASSIFIED
NAD 1983
By [Signature] Date [Signature]

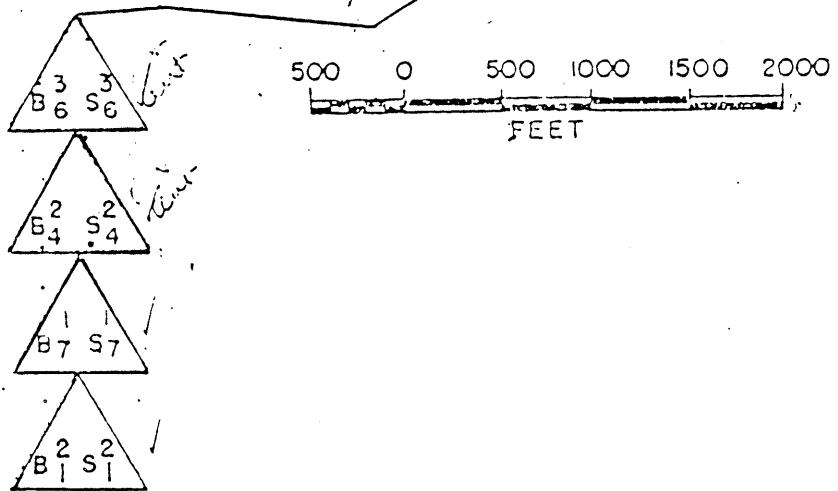
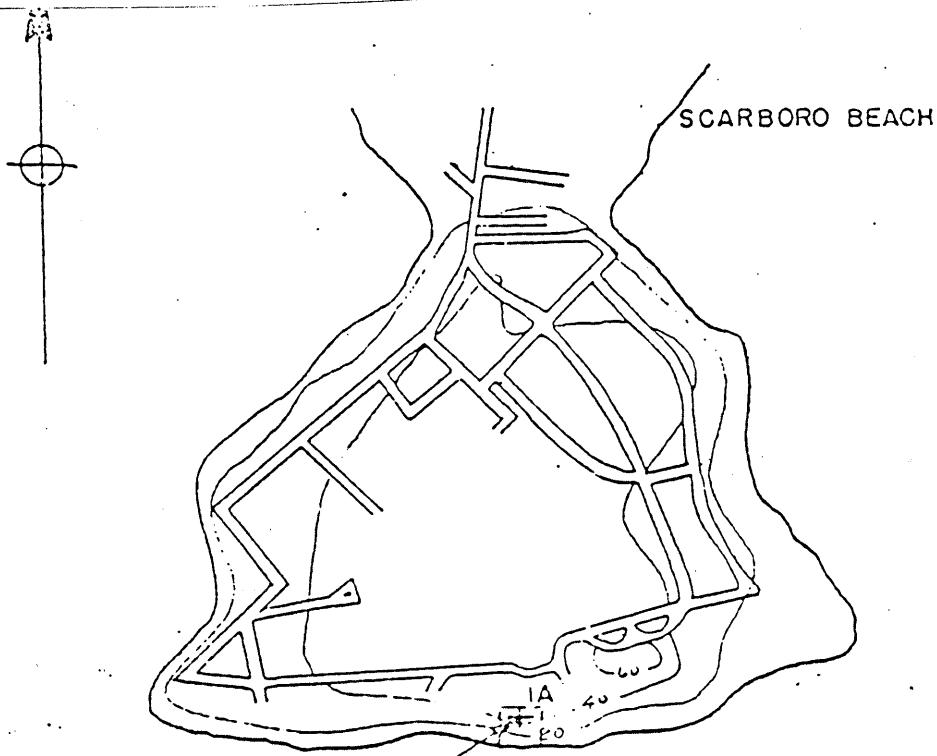


H.D. OF PORTLAND		REV'D DATE
LOC. NO. 155		
CAPE PORPOISE		
FIRE CONTROL INSTALLATIONS		
PREPARED BY	DATE 4-11-45	
HARBOR DEFENSES		
OF PORTLAND	EX. NO. 98	

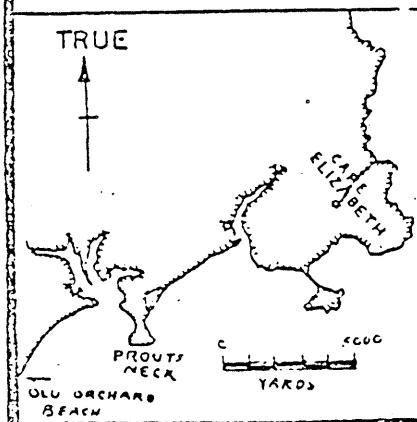


~~SECRET~~

H.D. OF PORTLAND		REV'D DATE
LOC. NO. 156 - FLETCHERSNECK		
FIRE CONTROL INSTALLATIONS		
PREPARED BY HARBOR DEFENSES OF PORTLAND	DATE 4-11-45	EX. NO 9B-1

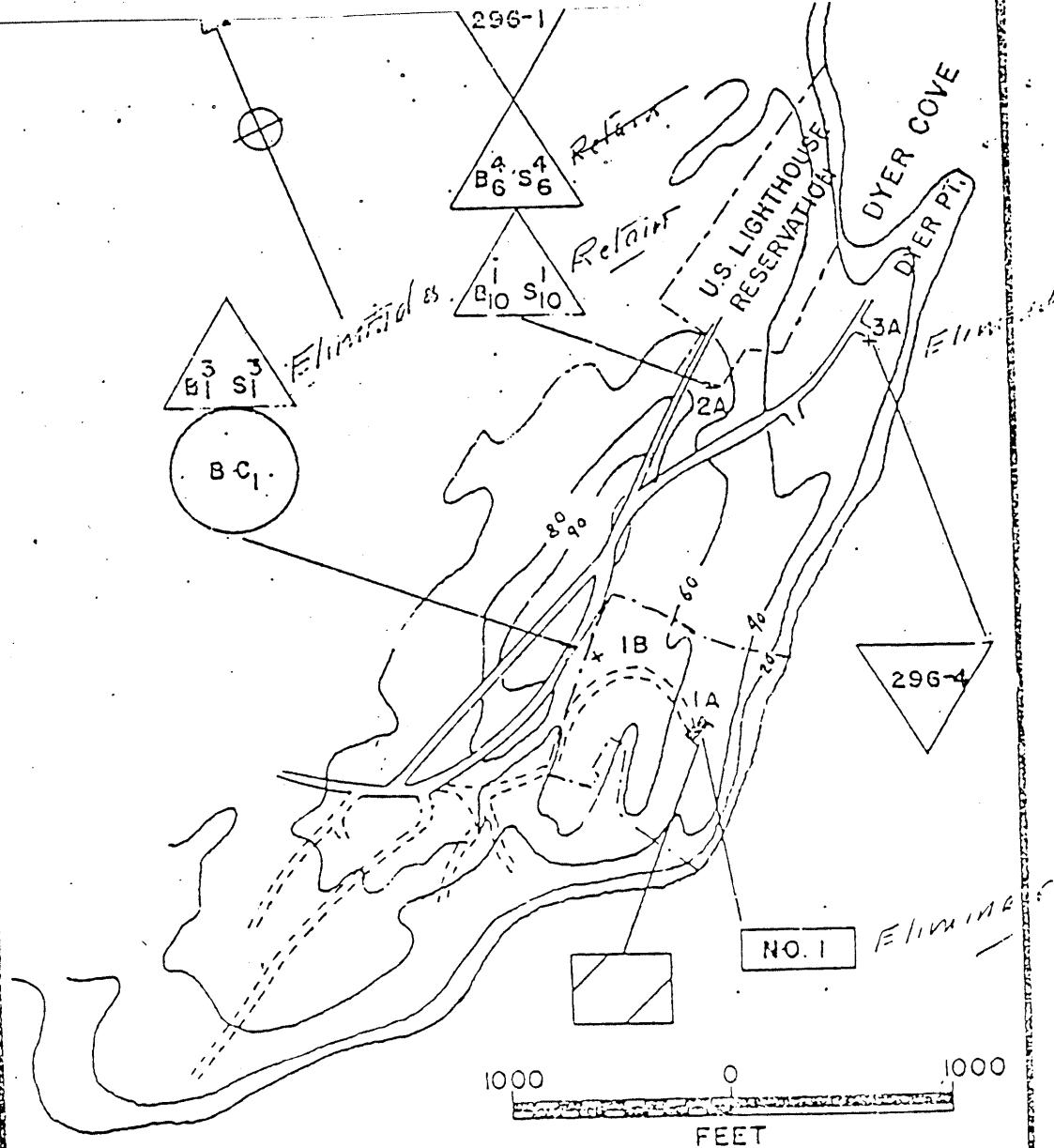


MILITARY RESERVATION
BOUNDARY LINE

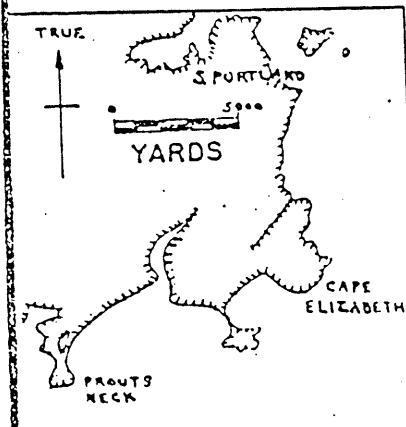


~~SECRET~~

H.D. OF PORTLAND		REV'D DATE
LOC. NO. 157		
PROUTS NECK		
FIRE CONTROL INSTALLATIONS		
PREPARED BY HARBOR DEFENSES OF PORTLAND	DATE 4-11-45	
		EX. NO. 98-2



MILITARY RESERVATION
BOUNDARY LINE

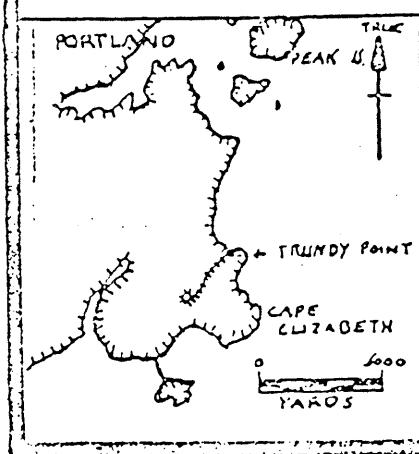
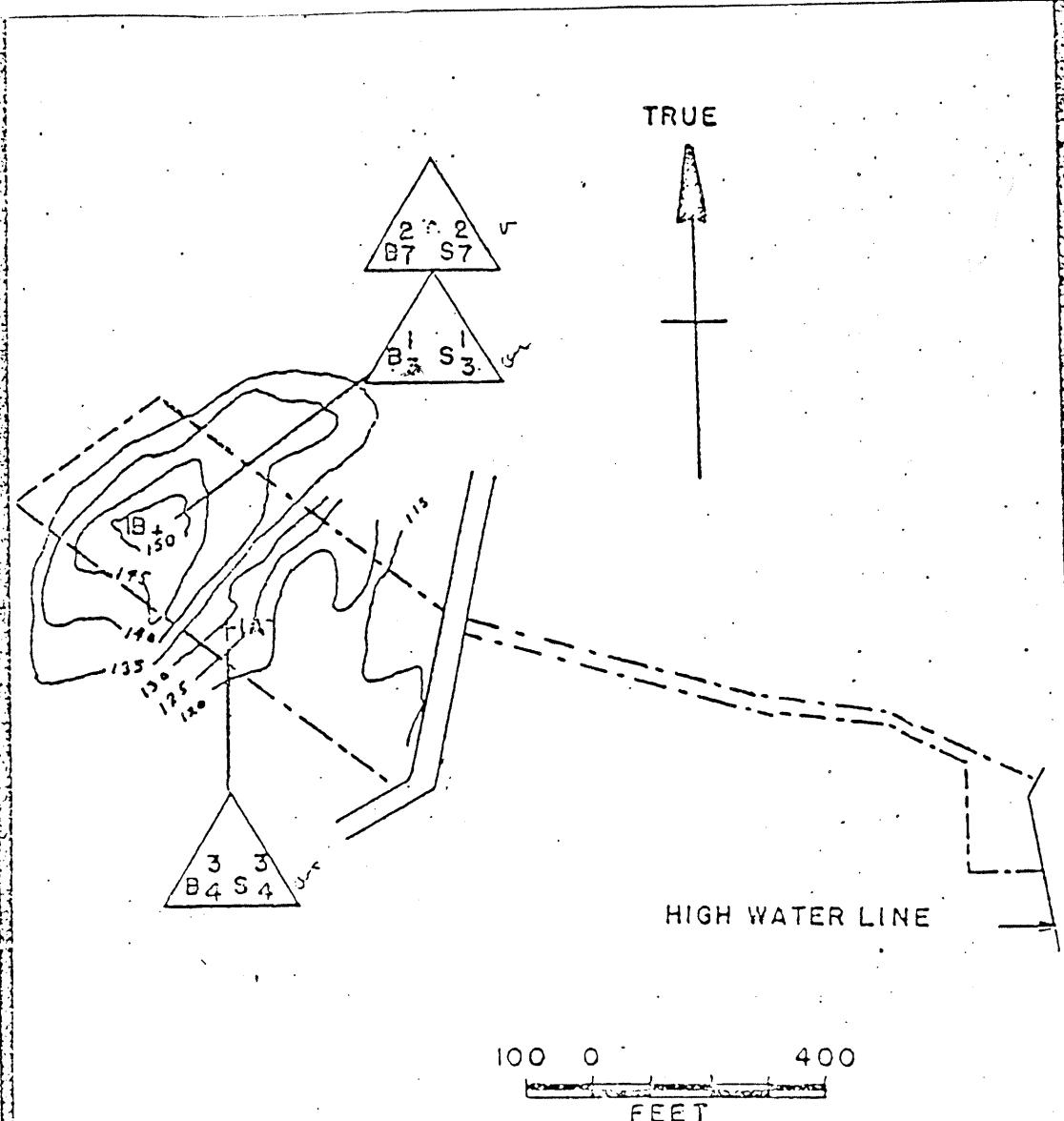


~~SECRET~~

H.D. OF PORTLAND
LOC. NO. 158
CAPE ELIZABETH
FIRE CONTROL INSTALLATIONS

PREPARED BY
HARBOR DEFENSES
OF PORTLAND

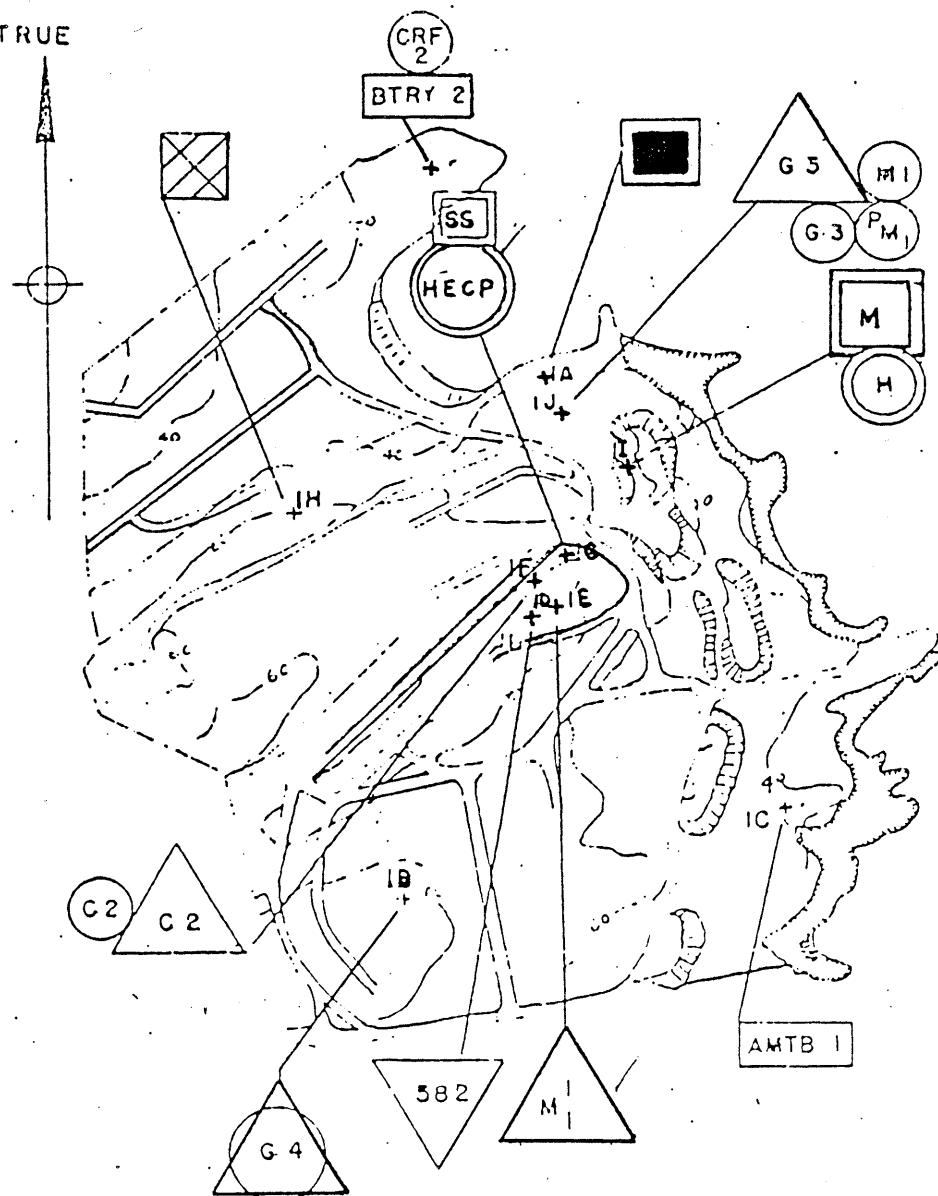
DATE: 4-11-45
EX.NO. 98-3



SECRET

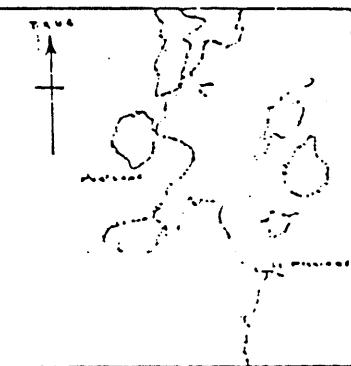
H.D. OF PORTLAND		REV'D DATE
LOC. NO. 159		
TRUNDY POINT		
FIRE CONTROL INSTALLATION		
PREPARED BY HARBOR DEFENSES OF PORTLAND	DATE 4-11-45.	EX. NO 98-4

TRUE



100 0 400 800

~~SECRET~~



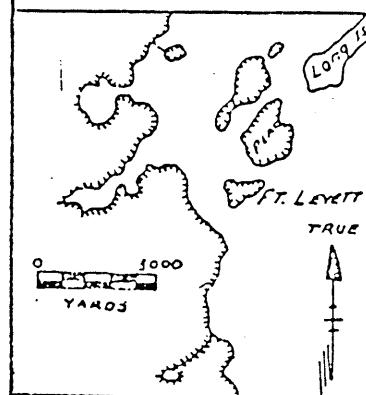
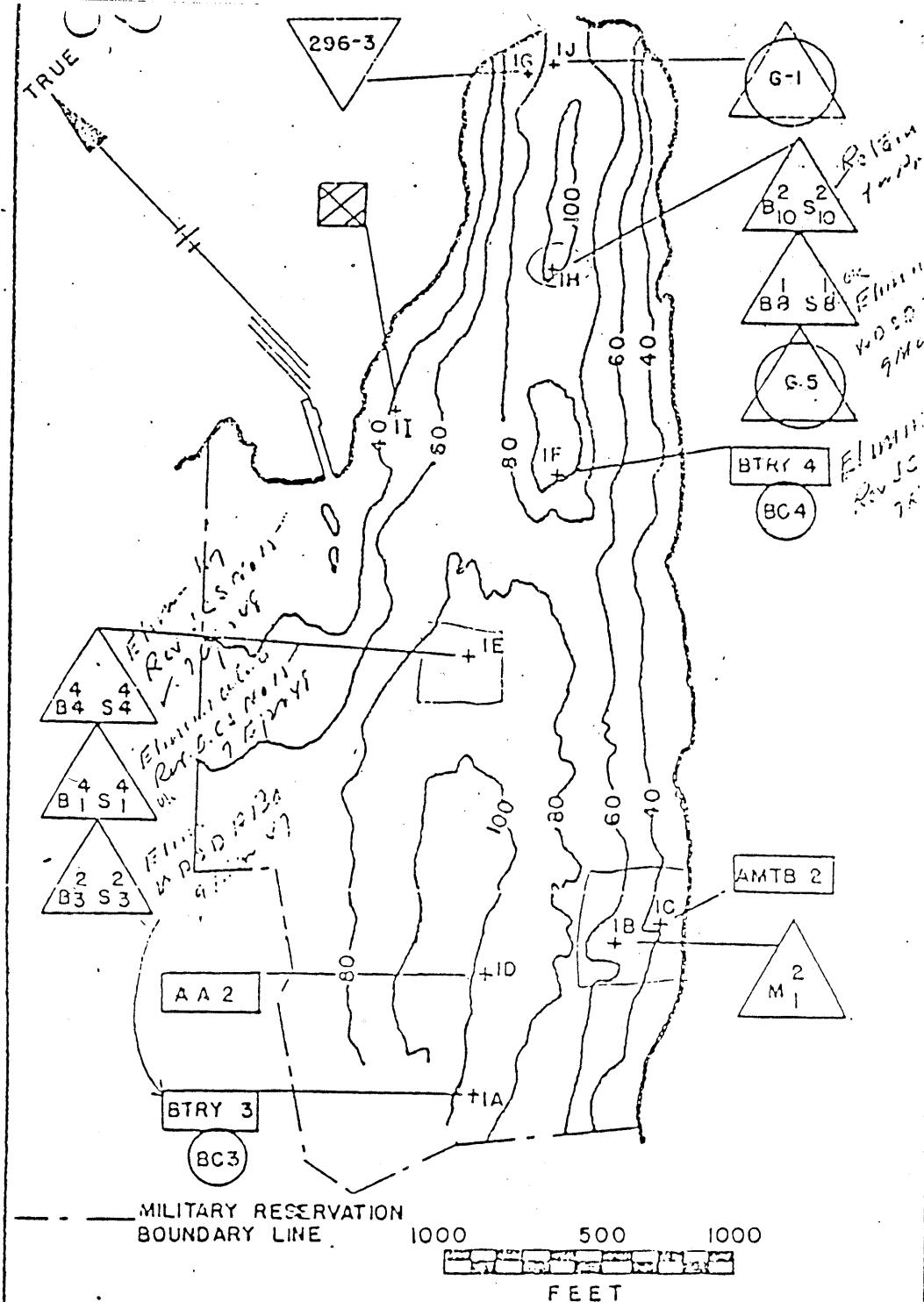
~~SECRET~~

H.D. OF PORTLAND
LOC. NO. 160
FT. WILLIAMS
FIRE CONTROL INSTALLATIONS

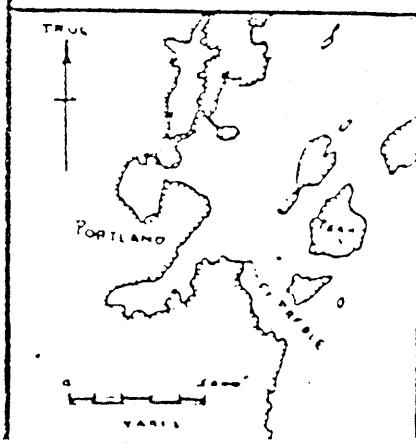
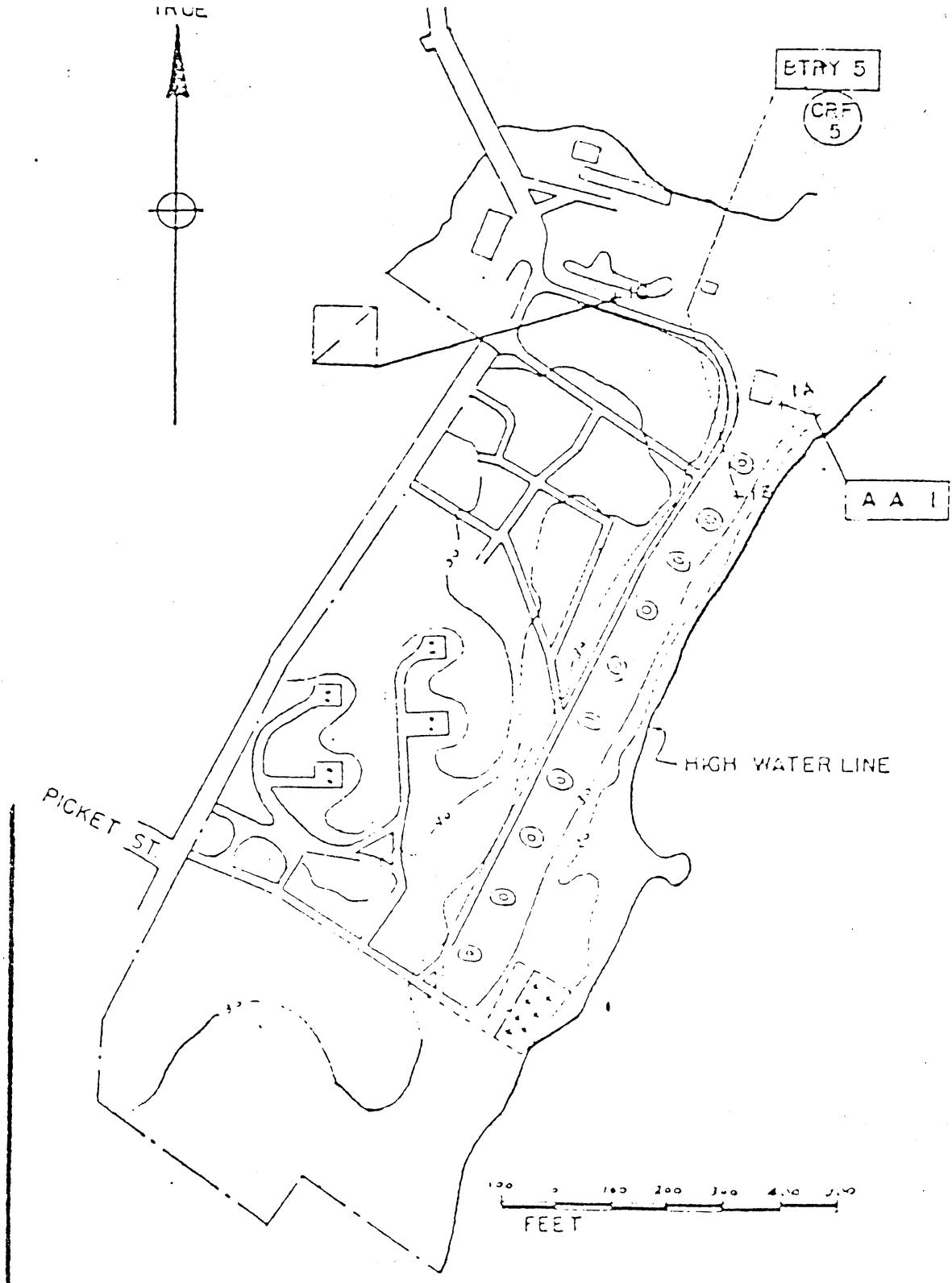
PREPARED BY
HARBOUR DEFENSES
OF PORTLAND

REV'D
DATE

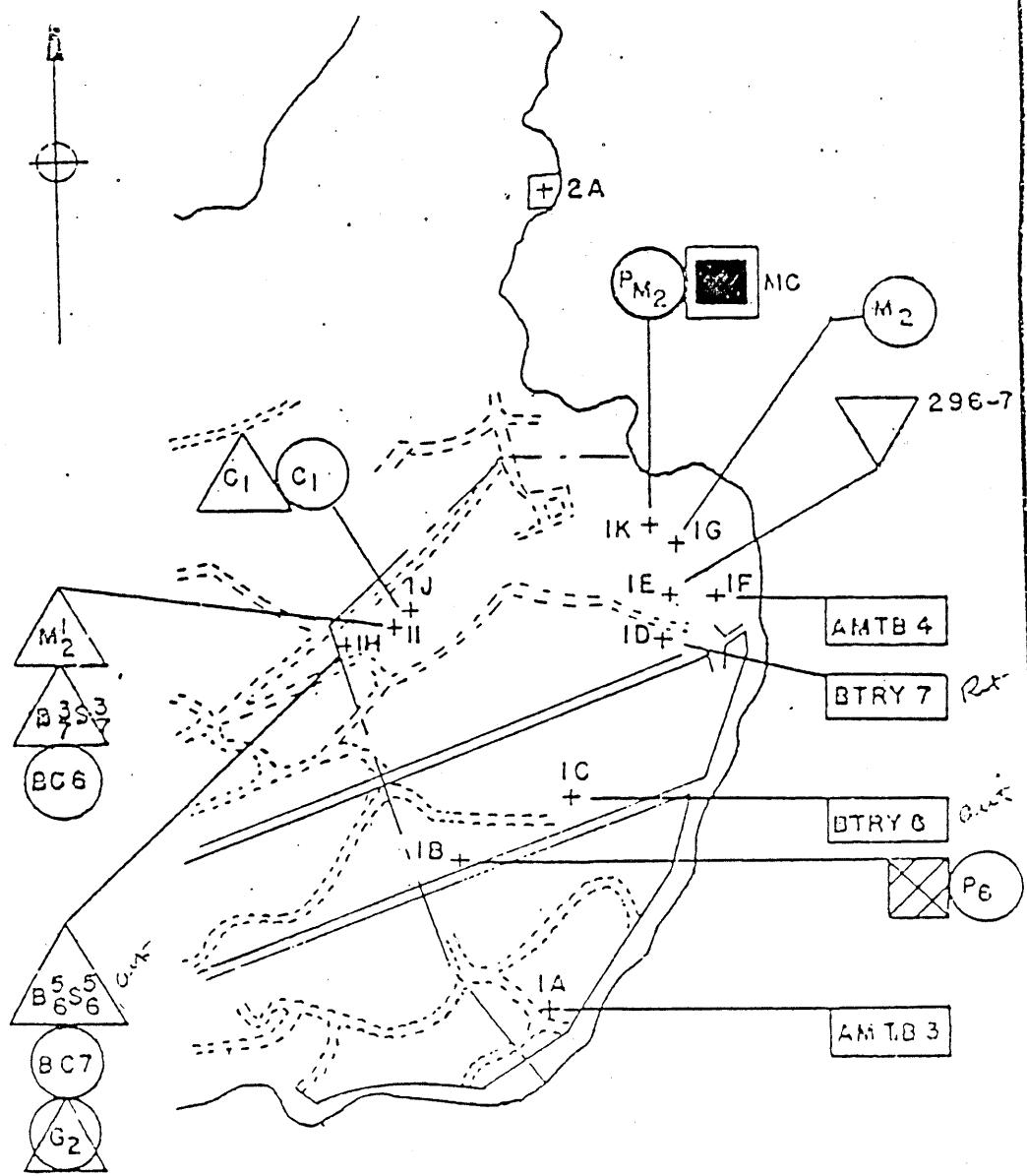
DATE 4-11-45
EX. NO. 98-5



HD OF PORTLAND		REV'D DATE
LOC. NO. 161		
FORT LEVEITT		
FIRE CONTROL INSTALLATION		
PREPARED BY	DATE	
HD OF PORTLAND	4-11-45	
EX NO. 98-6		



H.D OF PORTLAND		REV'D DATE
LOC NO 1162		
FORT PREBLE		
FIRE CONTROL INSTALLATIONS		
FREED BY	DATE 4-11-45	
HARBOR DEFENSES		
OF PORTLAND	I.FX NO 98-7	

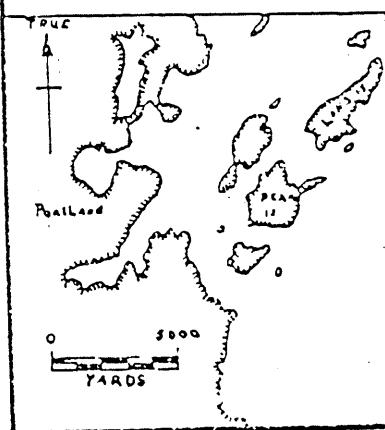


500 9 1000 2000

~~he~~ ~~was~~ ~~born~~

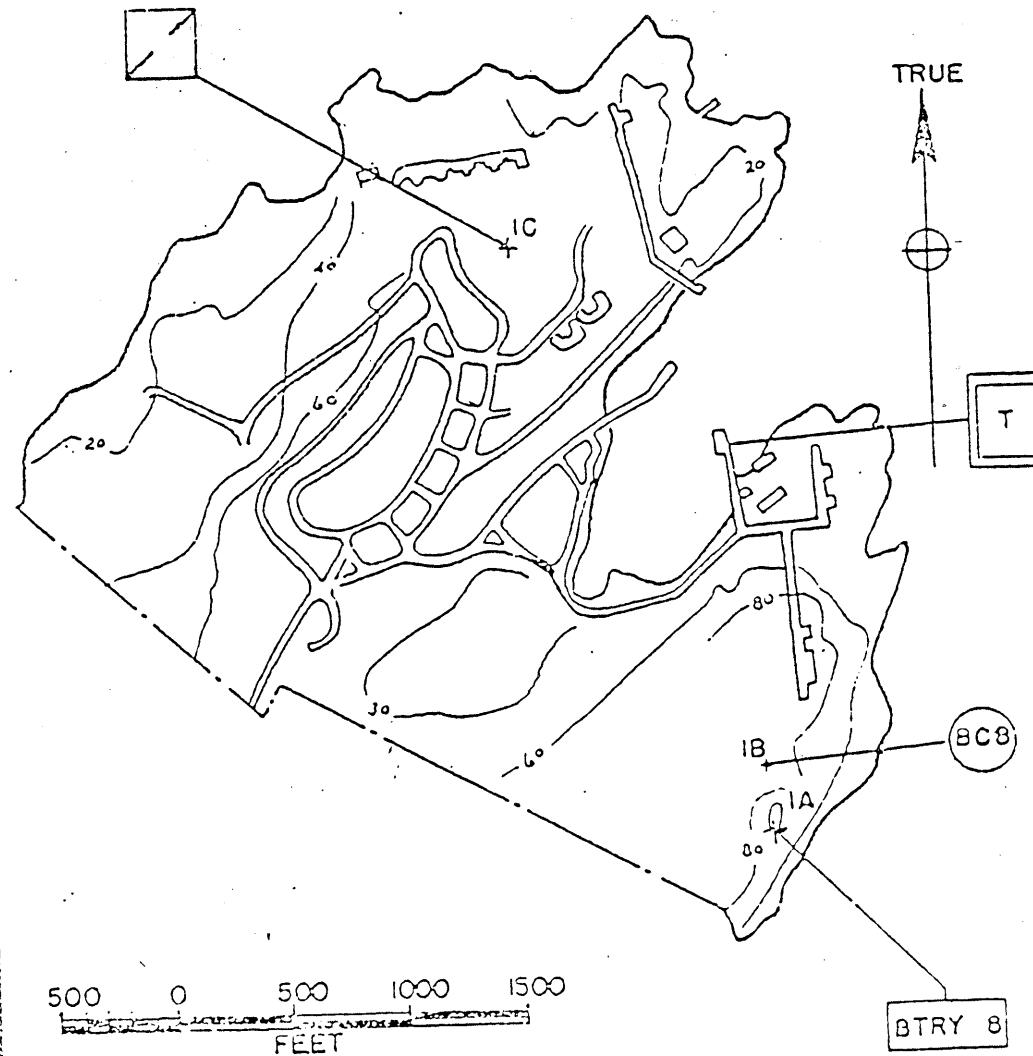
F E F T

MILITARY RESERVATION
BOUNDARY LINE

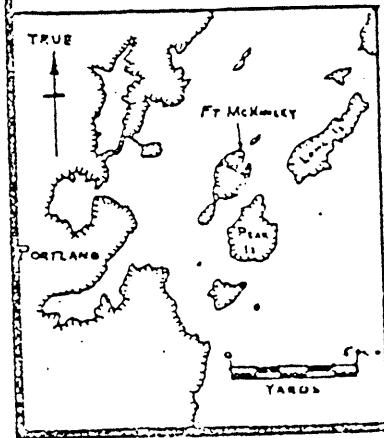


W.D. OF PORTLAND

H.D. OF PORTLAND		REV'D DATE
LOC. NO. 163		
PEAK ISLAND		
FIRE CONTROL INSTALLATIONS		
PREPARED BY HARBOR DEFENSE OF PORTLAND	DATE 4-11-45	
EX. NO. 9B-B		

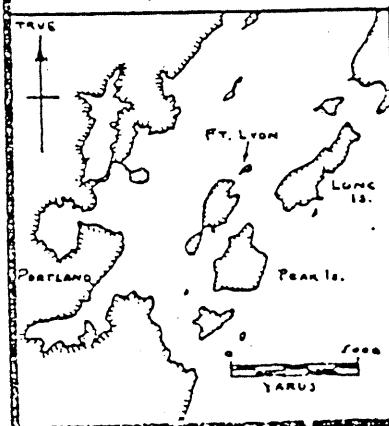
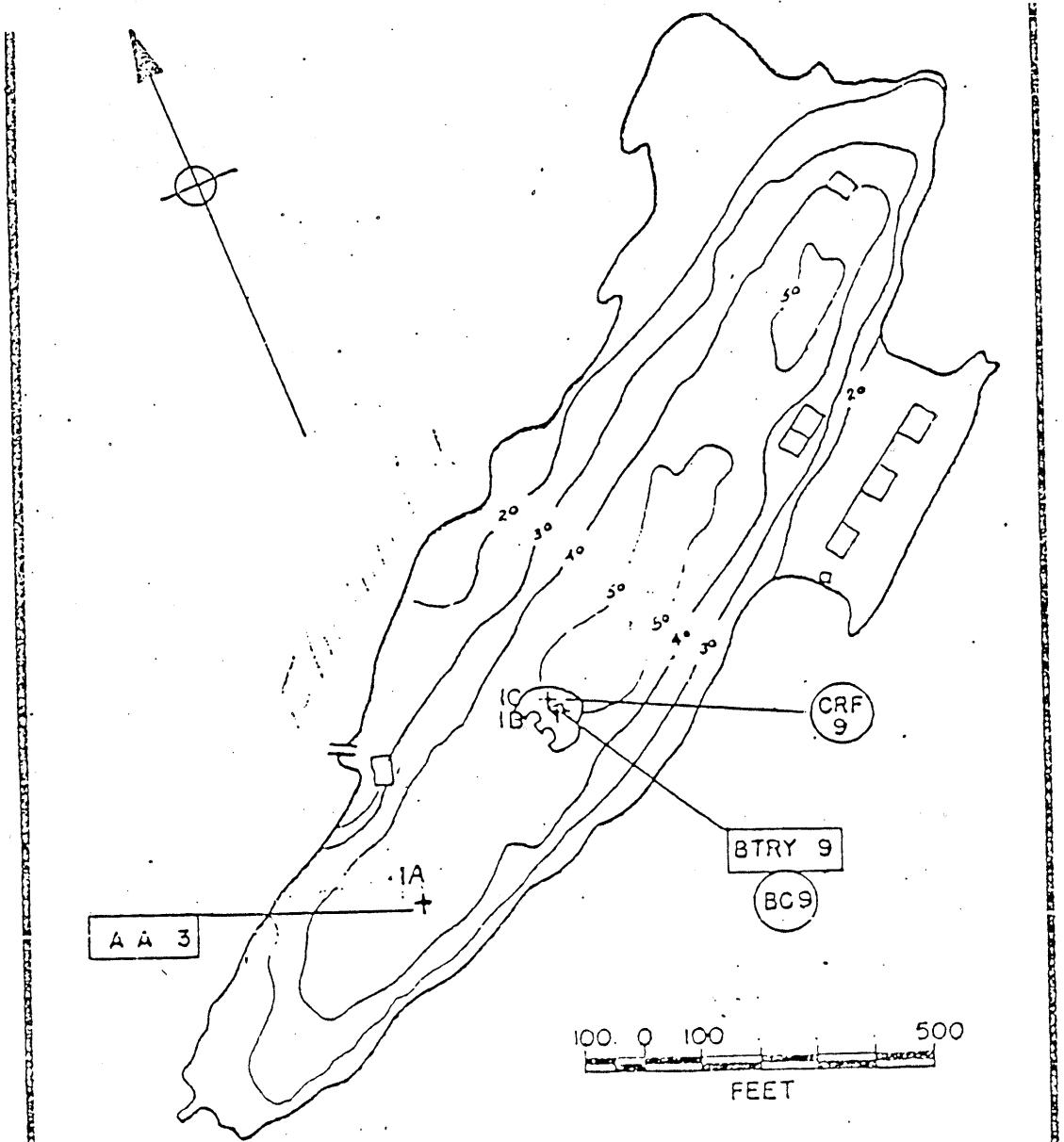


MILITARY RESERVATION
BOUNDARY LINE



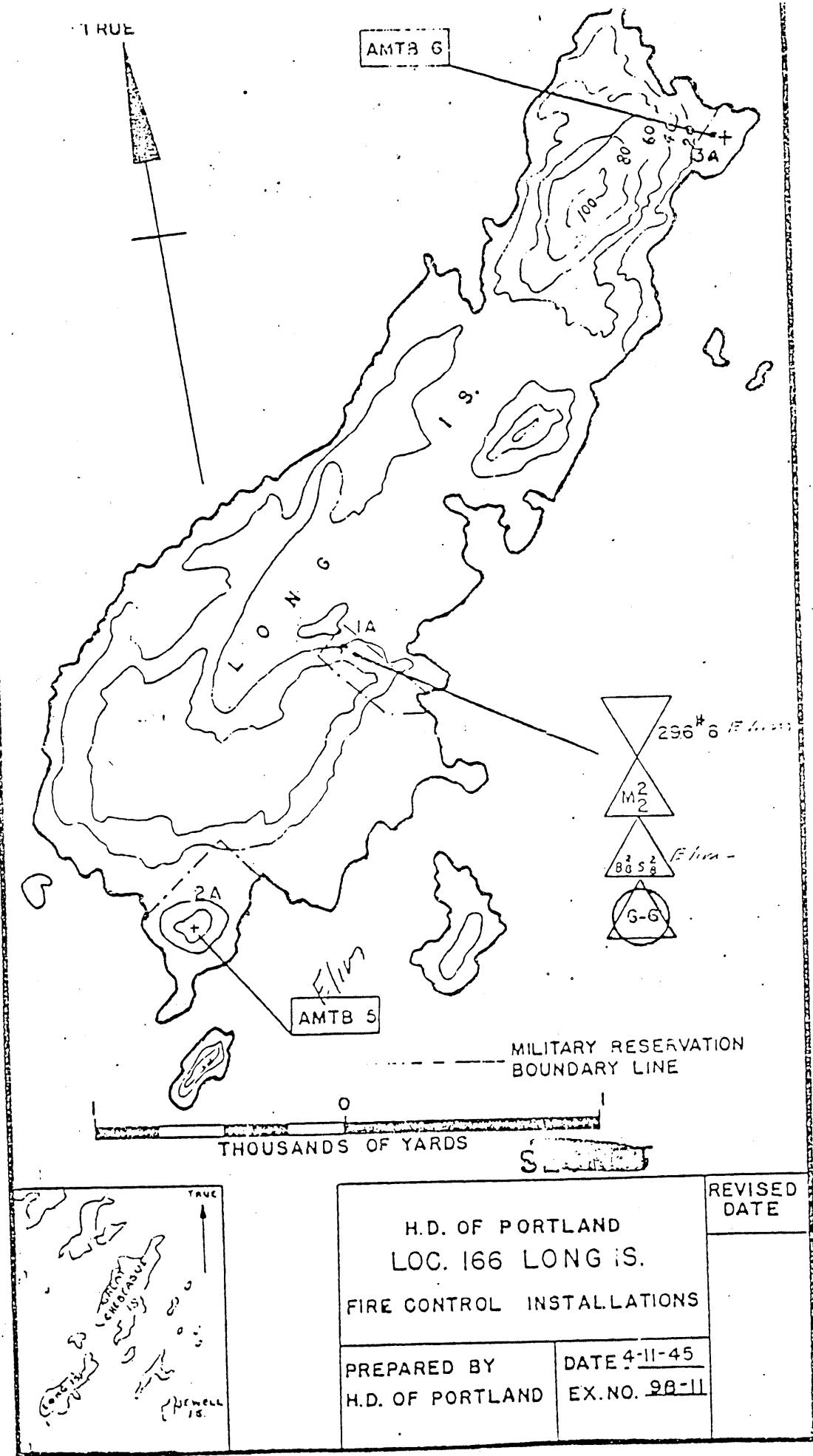
~~SECRET~~

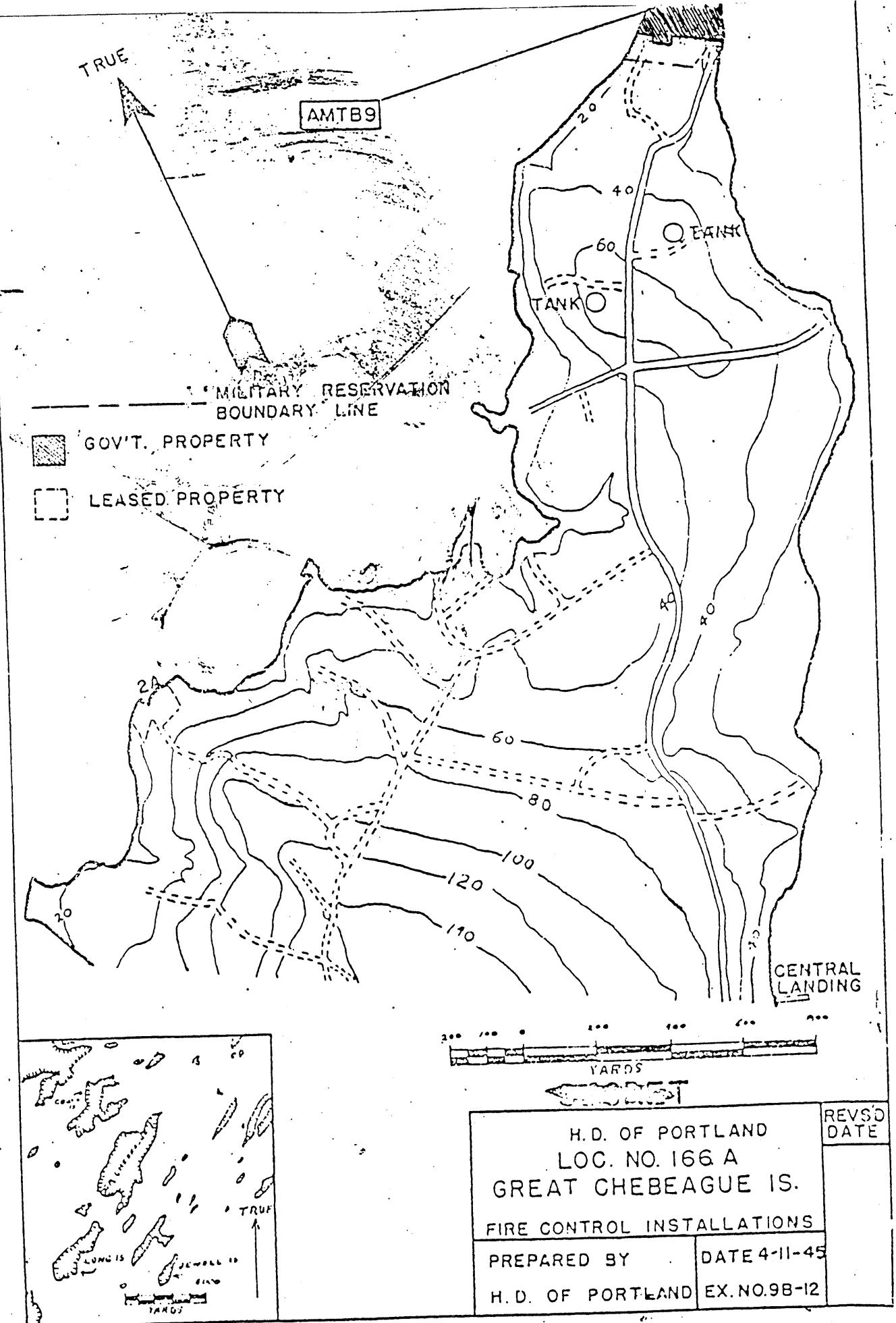
H.D. OF PORTLAND LOC. NO. 164 FORT MCKINLEY FIRE CONTROL INSTALLATIONS		REV'D DATE
PREPARED BY HARBOR DEFENSES OF PORTLAND	DATE 4-11-45	EX. NO. 98-9

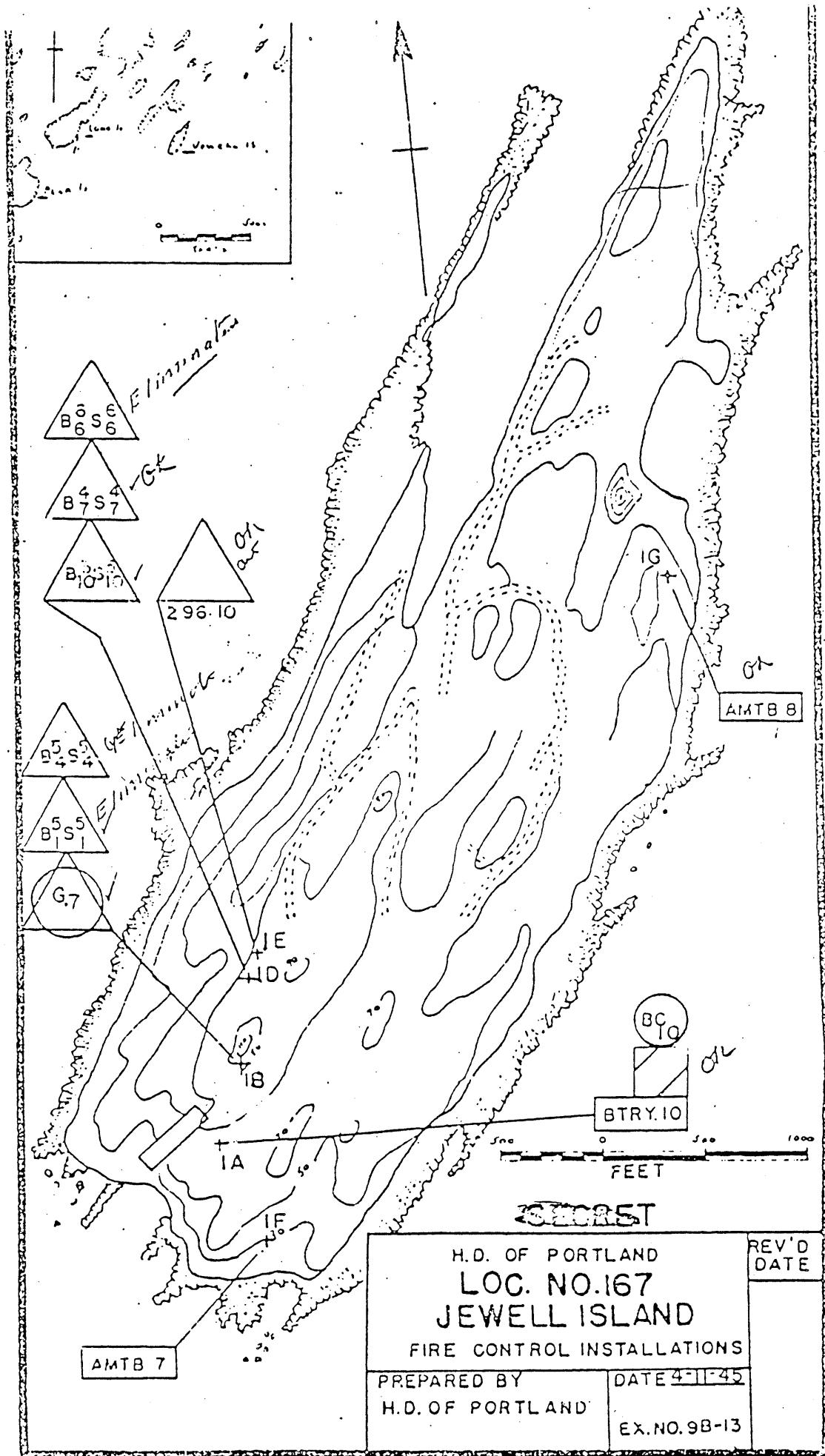


SECRET		REV'D DATE
H. D. OF PORTLAND LOC. NO. 165 FORT LYON FIRE CONTROL INSTALLATIONS		
PREPARED BY HARBOR DEFENSES OF PORTLAND	DATE 4-11-45	EX. NO. 9B-10

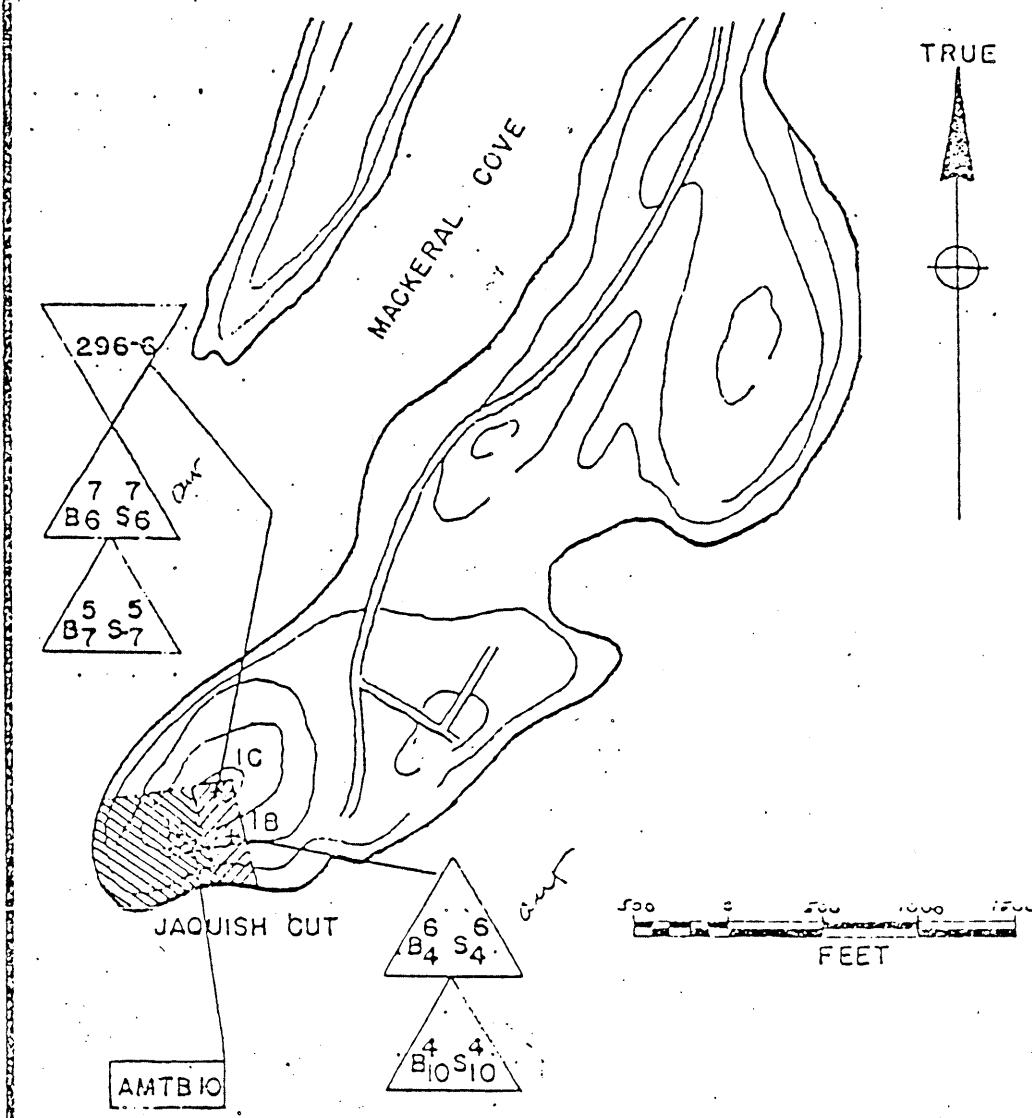
*H.D. of Portland
H tank - 50 Cal. gun*





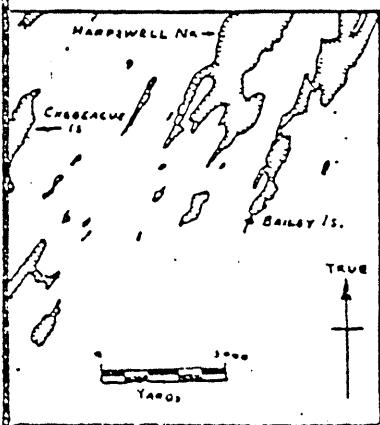


4 - 50 cal. guns in Anti-motor Torpedo Boat Battery # 1



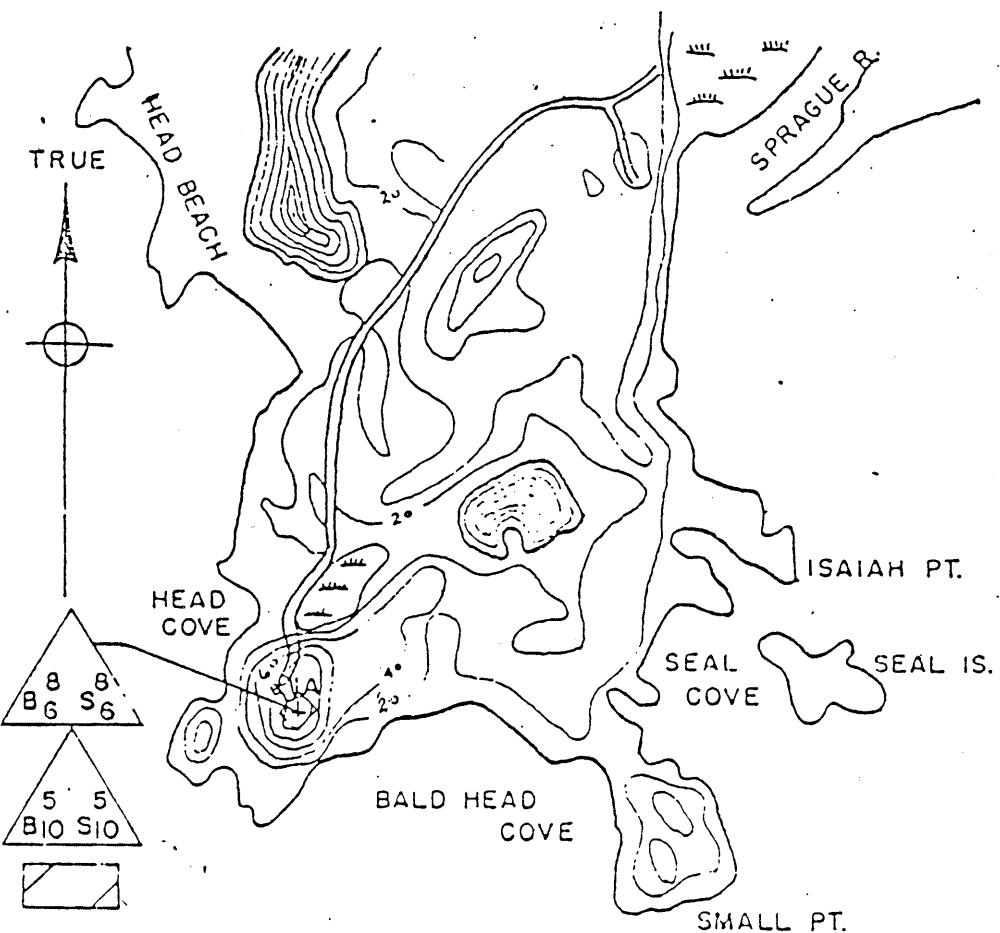
■ GOVT. OWNED PROPERTY
■ GOVT. LEASED PROPERTY

MILITARY RESERVATION
BOUNDARY LINE



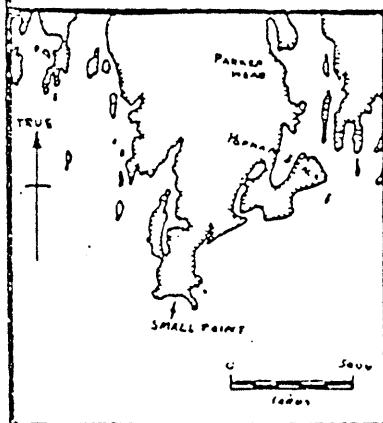
SECRET

H.D. OF PORTLAND		REV'D DATE
LOC. NO. 168		
BAILEY ISLAND		
FIRE CONTROL INSTALLATIONS.		
PREPARED BY HARBOR DEFENSES OF PORTLAND	DATE 4-11-45	EX. NO. 98-14

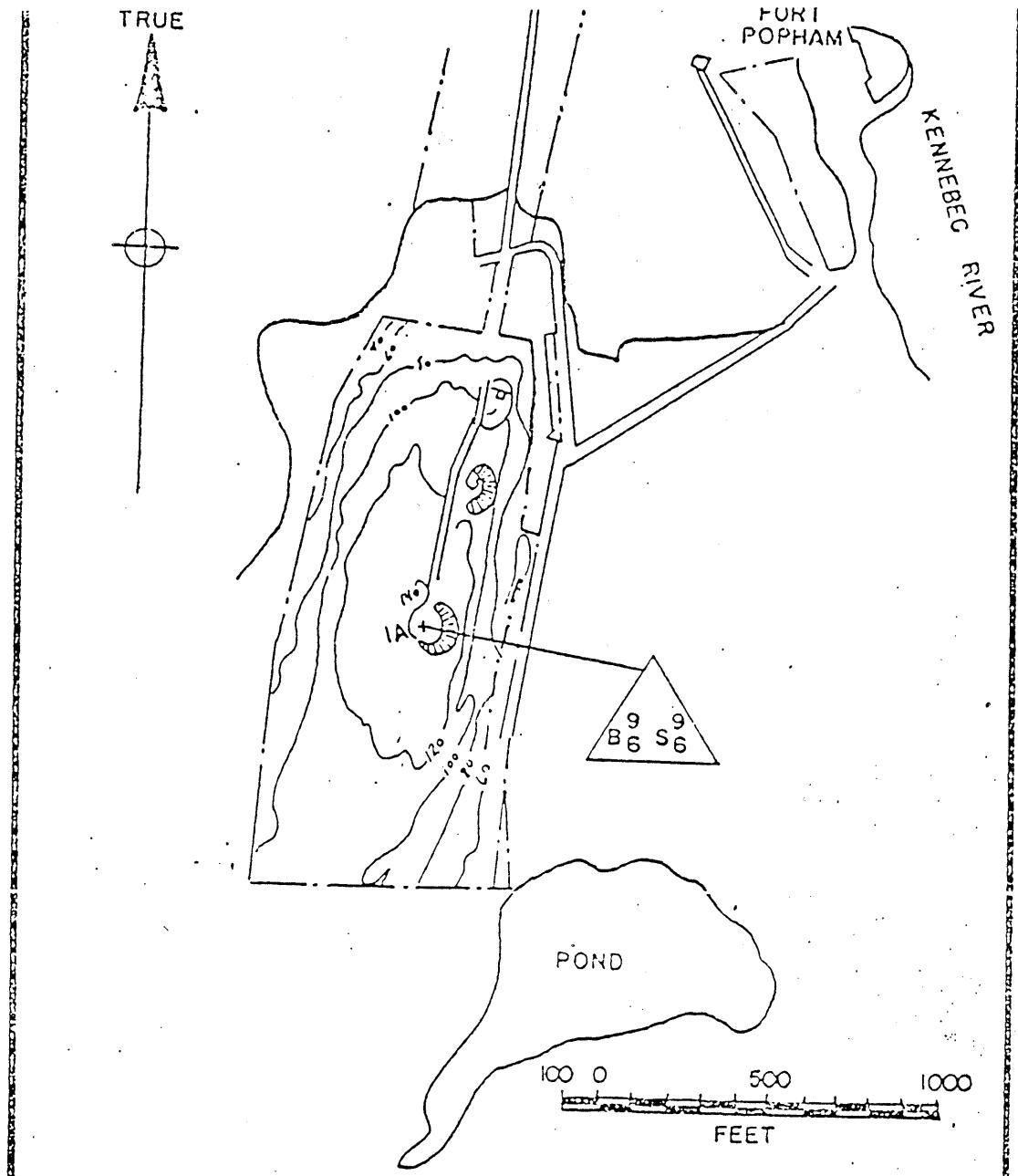


MILITARY RESERVATION
BOUNDARY LINE

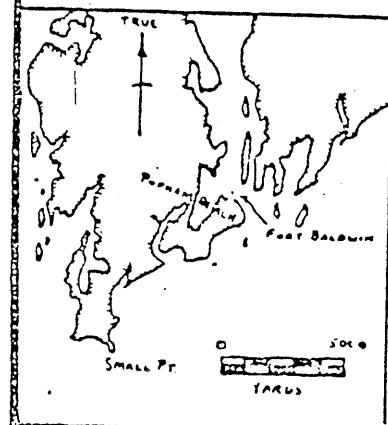
~~SECRET~~



H. D. OF PORTLAND LOC. NO. 169 SMALL POINT FIRE CONTROL INSTALLATIONS	REV'D DATE
PREPARED BY H. D. OF PORTLAND	DATE 4-11-45
	EX. NO. 98-15



MILITARY RESERVATION
BOUNDARY LINE



~~SECRET~~

H. D. OF PORTLAND LOC. NO. 170 FORT BALDWIN FIRE CONTROL INSTALLATIONS		REV'D DATE
PREPARED BY H. D. OF PORTLAND	DATE 4-11-45	
		EX. NO. 9B-16

Annex 2--REPRESENTATIVE BATTERIES AND ORDNANCE

Endicott and Taft Periods, 1891-1916

3" gun (Model 1902) on pedestal mount (Model 1902)
Battery Keyes, Fort Williams, 1906
Battery Abbott, Fort Lyon, 1909
6" gun Armstrong (M1898) on barbette carriage (M1898)
Battery Hobart, Fort Williams, 1898
6" gun (Model 1900) on barbette carriage (Model 1900)
Battery Ferguson, Fort Levett, 1906
6" gun on disappearing carriage (Model 1898)
Battery Garesche, Fort Williams, 1906
8" gun on disappearing carriage (Model 1896)
Battery Honeycutt, Fort McKinley, 1901
10" gun on disappearing carriage (Model 1894)
Battery DeHart, Fort Williams, 1898
12" gun on disappearing carriage (Model 1897)
Battery Blair, Fort Williams, 1903
12" mortar (M1890MI) on carriage (M1896MI)
Battery Chase, Fort Preble, 1901

World War I and the Inter-War Period, 1917-1938

3" gun (M1917MII) on anti-aircraft mount (M1917MI)
Example of anti-aircraft gun emplacement, 1921
12" long range gun on barbette carriage (Model 1917)
Battery Foote, Fort Levett, 1920

World War II, 1939-1945

Example of 3" anti-motor torpedo boat battery, 1943
90mm anti-motor torpedo boat gun with shield
Anti-Motor Torpedo Boat Battery, Fort Williams, 1944
Example of 155mm gun emplacement, 1934
6" gun on barbette carriage (M1 and M2) with shield
Battery 205, Fort Foster, 1944
16" gun on barbette carriage (M1919M3) with shield in casemate
16" casemated battery, 1942

20676

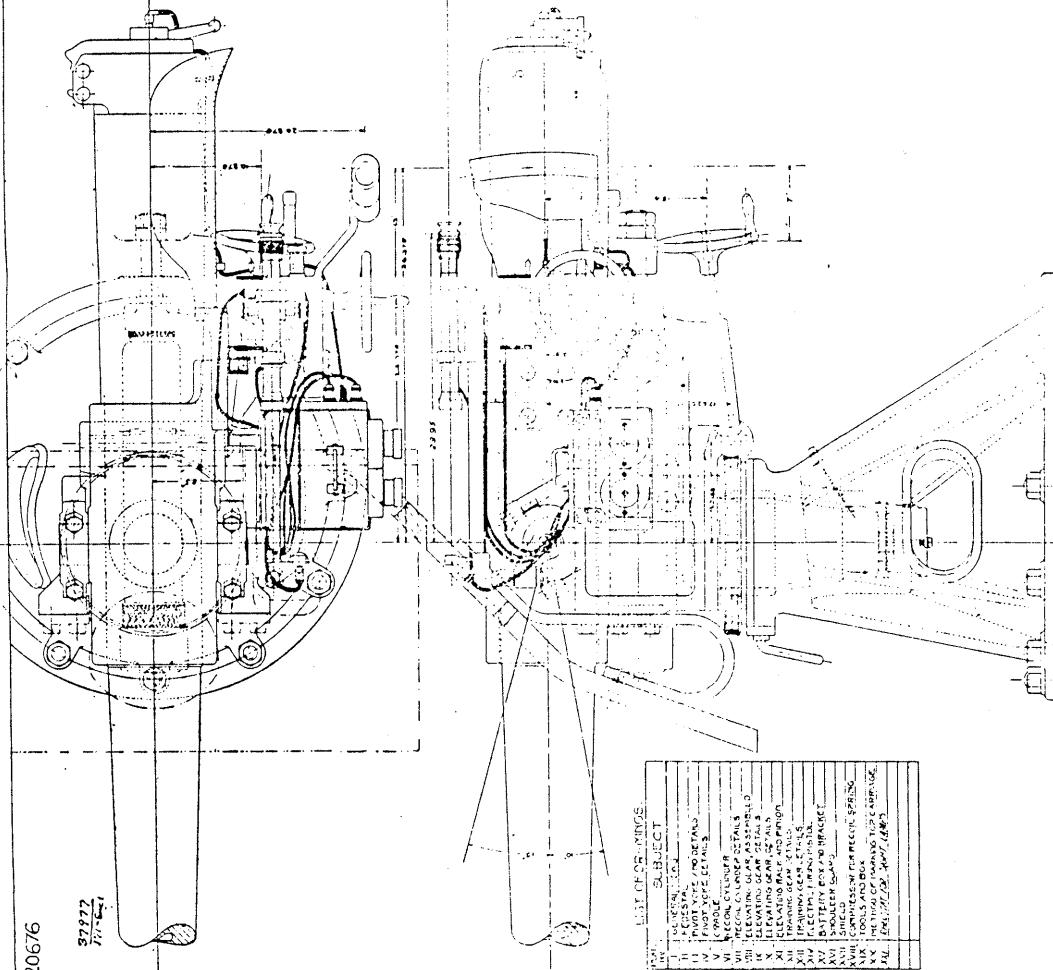
37977
J. J. G.

1756

BETHLEHEM STEEL CO.
15000 PER SF STAIN MOUNT

3 (15 por) PETIC

GENERAL VIEWS.



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Subject	Section	Page
Latin	I	1-10
Mathematics	II	11-15
Science	III	16-20
History	IV	21-25
Geography	V	26-30
Grammar	VI	31-35
Poetry	VII	36-40
Penmanship	VIII	41-45
Handwriting	IX	46-50
Composition	X	51-55
Reading	XI	56-60
Spelling	XII	61-65
Penmanship	XIII	66-70
Handwriting	XIV	71-75
Composition	XV	76-80
Reading	XVI	81-85
Spelling	XVII	86-90
Penmanship	XVIII	91-95
Handwriting	XIX	96-100
Composition	XX	101-105
Reading	XXI	106-110
Spelling	XXII	111-115
Penmanship	XXIII	116-120
Handwriting	XXIV	121-125
Composition	XXV	126-130
Reading	XXVI	131-135
Spelling	XXVII	136-140
Penmanship	XXVIII	141-145
Handwriting	XXIX	146-150
Composition	XXX	151-155
Reading	XXXI	156-160
Spelling	XXXII	161-165
Penmanship	XXXIII	166-170
Handwriting	XXXIV	171-175
Composition	XXXV	176-180
Reading	XXXVI	181-185
Spelling	XXXVII	186-190
Penmanship	XXXVIII	191-195
Handwriting	XXXIX	196-200
Composition	XL	201-205
Reading	XLI	206-210
Spelling	XLII	211-215
Penmanship	XLIII	216-220
Handwriting	XLIV	221-225
Composition	XLV	226-230
Reading	XLVI	231-235
Spelling	XLVII	236-240
Penmanship	XLVIII	241-245
Handwriting	XLIX	246-250
Composition	XLX	251-255
Reading	XLXI	256-260
Spelling	XLII	261-265
Penmanship	XLIII	266-270
Handwriting	XLIV	271-275
Composition	XLV	276-280
Reading	XLVI	281-285
Spelling	XLVII	286-290
Penmanship	XLVIII	291-295
Handwriting	XLIX	296-300
Composition	XLX	301-305
Reading	XLXI	306-310
Spelling	XLII	311-315
Penmanship	XLIII	316-320
Handwriting	XLIV	321-325
Composition	XLV	326-330
Reading	XLVI	331-335
Spelling	XLVII	336-340
Penmanship	XLVIII	341-345
Handwriting	XLIX	346-350
Composition	XLX	351-355
Reading	XLXI	356-360
Spelling	XLII	361-365
Penmanship	XLIII	366-370
Handwriting	XLIV	371-375
Composition	XLV	376-380
Reading	XLVI	381-385
Spelling	XLVII	386-390
Penmanship	XLVIII	391-395
Handwriting	XLIX	396-400
Composition	XLX	401-405
Reading	XLXI	406-410
Spelling	XLII	411-415
Penmanship	XLIII	416-420
Handwriting	XLIV	421-425
Composition	XLV	426-430
Reading	XLVI	431-435
Spelling	XLVII	436-440
Penmanship	XLVIII	441-445
Handwriting	XLIX	446-450
Composition	XLX	451-455
Reading	XLXI	456-460
Spelling	XLII	461-465
Penmanship	XLIII	466-470
Handwriting	XLIV	471-475
Composition	XLV	476-480
Reading	XLVI	481-485
Spelling	XLVII	486-490
Penmanship	XLVIII	491-495
Handwriting	XLIX	496-500
Composition	XLX	501-505
Reading	XLXI	506-510
Spelling	XLII	511-515
Penmanship	XLIII	516-520
Handwriting	XLIV	521-525
Composition	XLV	526-530
Reading	XLVI	531-535
Spelling	XLVII	536-540
Penmanship	XLVIII	541-545
Handwriting	XLIX	546-550
Composition	XLX	551-555
Reading	XLXI	556-560
Spelling	XLII	561-565
Penmanship	XLIII	566-570
Handwriting	XLIV	571-575
Composition	XLV	576-580
Reading	XLVI	581-585
Spelling	XLVII	586-590
Penmanship	XLVIII	591-595
Handwriting	XLIX	596-600
Composition	XLX	601-605
Reading	XLXI	606-610
Spelling	XLII	611-615
Penmanship	XLIII	616-620
Handwriting	XLIV	621-625
Composition	XLV	626-630
Reading	XLVI	631-635
Spelling	XLVII	636-640
Penmanship	XLVIII	641-645
Handwriting	XLIX	646-650
Composition	XLX	651-655
Reading	XLXI	656-660
Spelling	XLII	661-665
Penmanship	XLIII	666-670
Handwriting	XLIV	671-675
Composition	XLV	676-680
Reading	XLVI	681-685
Spelling	XLVII	686-690
Penmanship	XLVIII	691-695
Handwriting	XLIX	696-700
Composition	XLX	701-705
Reading	XLXI	706-710
Spelling	XLII	711-715
Penmanship	XLIII	716-720
Handwriting	XLIV	721-725
Composition	XLV	726-730
Reading	XLVI	731-735
Spelling	XLVII	736-740
Penmanship	XLVIII	741-745
Handwriting	XLIX	746-750
Composition	XLX	751-755
Reading	XLXI	756-760
Spelling	XLII	761-765
Penmanship	XLIII	766-770
Handwriting	XLIV	771-775
Composition	XLV	776-780
Reading	XLVI	781-785
Spelling	XLVII	786-790
Penmanship	XLVIII	791-795
Handwriting	XLIX	796-800
Composition	XLX	801-805
Reading	XLXI	806-810
Spelling	XLII	811-815
Penmanship	XLIII	816-820
Handwriting	XLIV	821-825
Composition	XLV	826-830
Reading	XLVI	831-835
Spelling	XLVII	836-840
Penmanship	XLVIII	841-845
Handwriting	XLIX	846-850
Composition	XLX	851-855
Reading	XLXI	856-860
Spelling	XLII	861-865
Penmanship	XLIII	866-870
Handwriting	XLIV	871-875
Composition	XLV	876-880
Reading	XLVI	881-885
Spelling	XLVII	886-890
Penmanship	XLVIII	891-895
Handwriting	XLIX	896-900
Composition	XLX	901-905
Reading	XLXI	906-910
Spelling	XLII	911-915
Penmanship	XLIII	916-920
Handwriting	XLIV	921-925
Composition	XLV	926-930
Reading	XLVI	931-935
Spelling	XLVII	936-940
Penmanship	XLVIII	941-945
Handwriting	XLIX	946-950
Composition	XLX	951-955
Reading	XLXI	956-960
Spelling	XLII	961-965
Penmanship	XLIII	966-970
Handwriting	XLIV	971-975
Composition	XLV	976-980
Reading	XLVI	981-985
Spelling	XLVII	986-990
Penmanship	XLVIII	991-995
Handwriting	XLIX	996-1000

15 F.D.R.
BARTONTE CARRIAGE
MODEL OF 1902.

APPROVED
W.H. COOPER
BUREAU OF FIRE PROTECTION
U.S. TREASURY DEPARTMENT

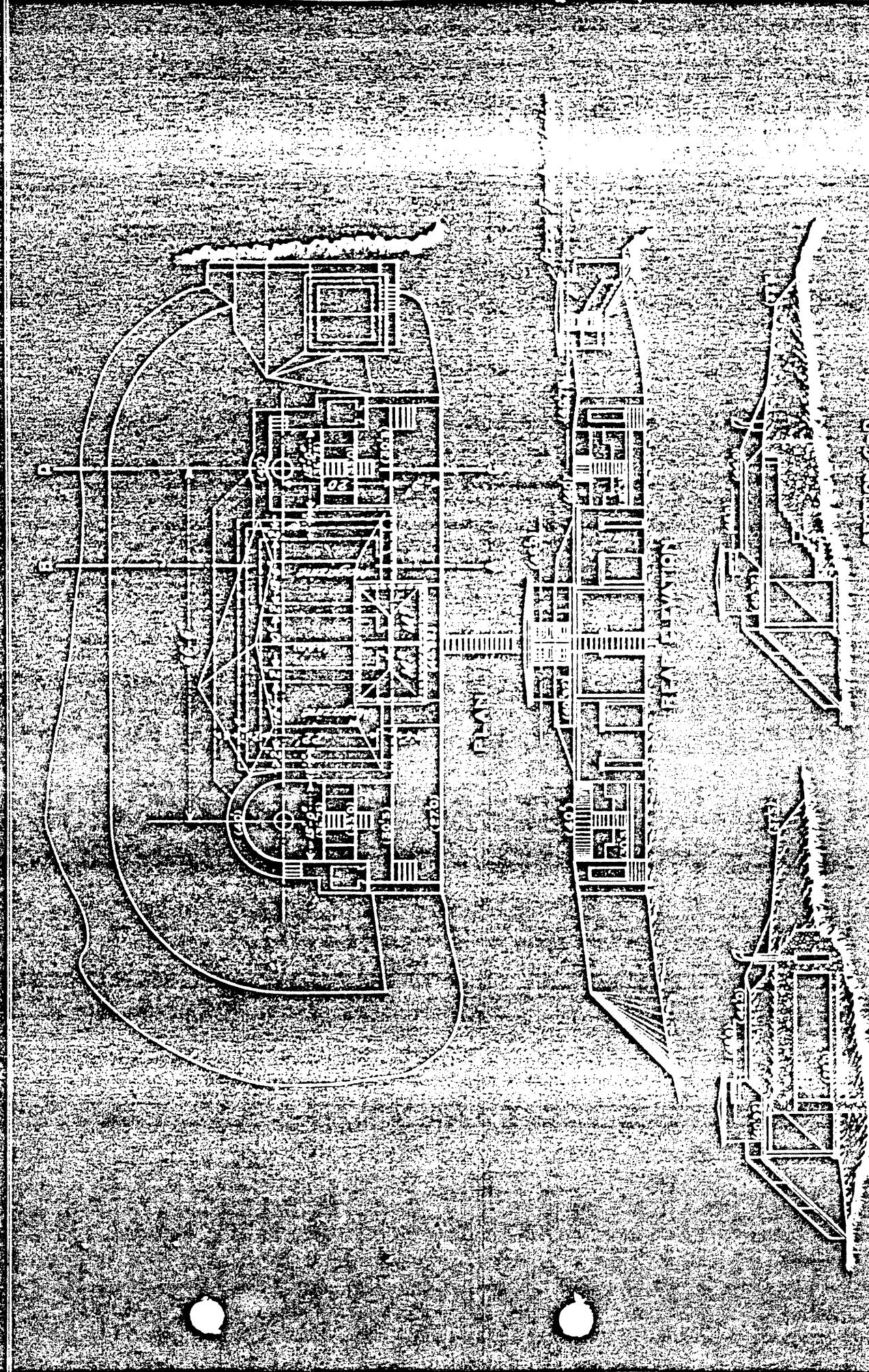
2076

REPORT
COMBINE COAST FORTIFICATIONS
Plan 13

Completed 10 Mar 1. 1920

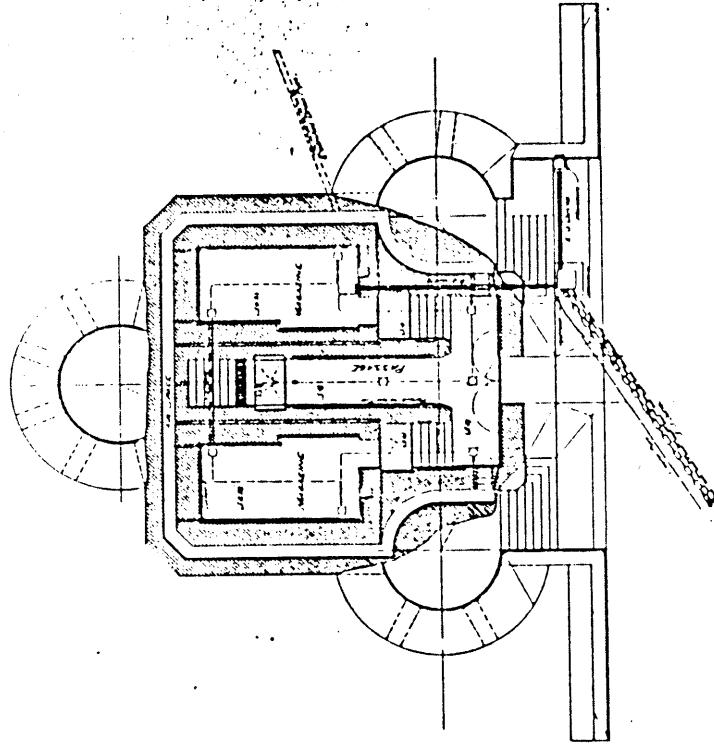
Form 7

COAST DEFENSES OF PORTLAND
FORT WILLIAMS
BATTERIES REYES
No. of guns 2
Muzzle load 15
Carriage load 15
No. of guns 2
Muzzle load 15
Carriage load 15
No. of guns 2
Muzzle load 15
Carriage load 15



INSTRUCTIONS FOR CARE OF EMPLACEMENTS.

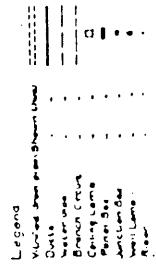
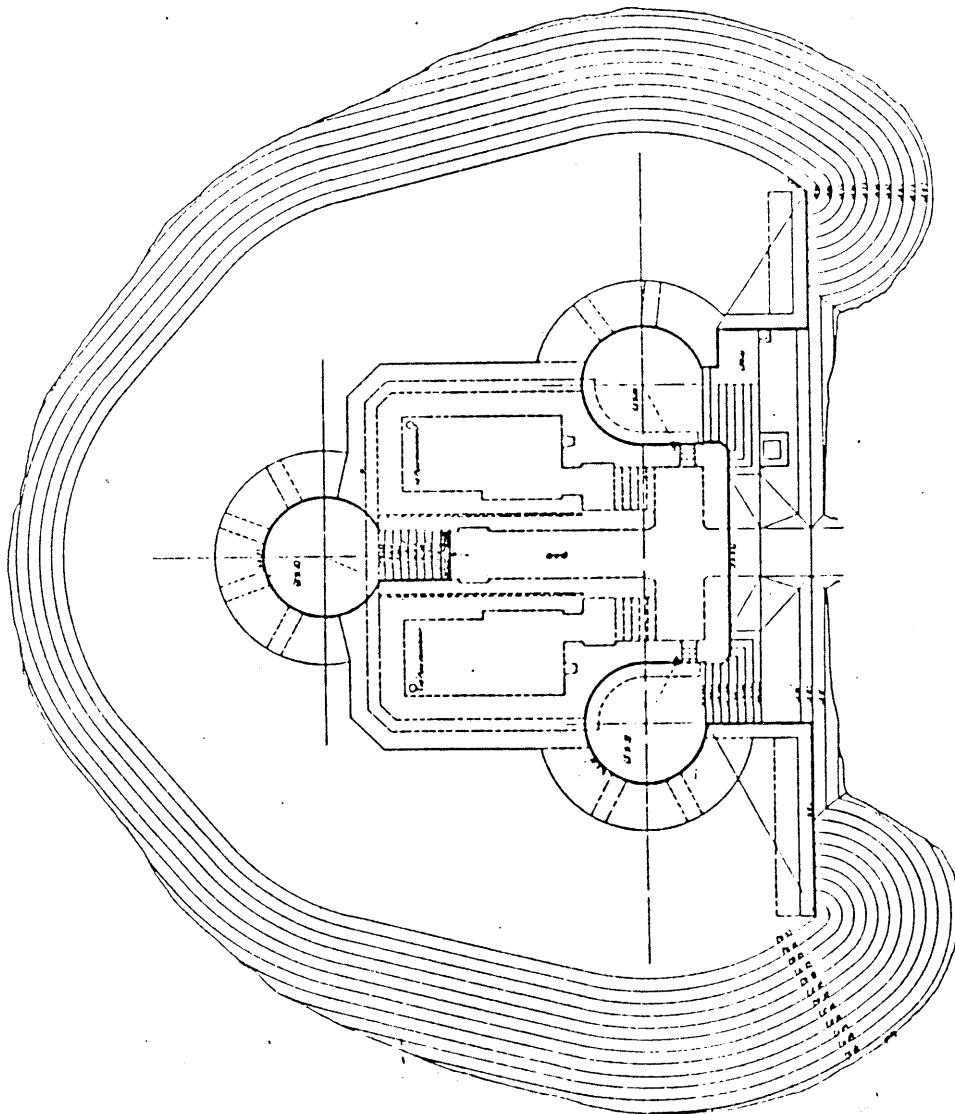
1. Instructions should be made at least every six months or whenever roads from which orders come may be traversed and outlines of emplacements may be seen from a distance of one mile.
2. Drawings should be taken of all outlines of emplacements, fortifications, and gun positions, which should be reproduced on cards.
3. Drawings should be taken of all outlines of fortifications, gun positions, and gun batteries, which should be reproduced on cards.
4. All roads should be drawn true, intersecting, monthly.
5. Earthworks should be inspected after each heavy rain, and foundations should be periodically checked.
6. Sappers should be summoned to inspect roads in vicinity of fortifications, and gun batteries, and to report any damage to roads or fortifications.
7. Report of visit should be prepared by commanding officer of fortifications, and forwarded to the Engineer Officer in charge of operations.
8. General should be informed of condition of fortifications and gun batteries.



FORT LYON
PORTLAND HARBOR, ME.
BATTERY ABBOTT

Scale 1 in. = 40 ft.

U.S. Engineers Office
Portland, Me., Dec. 2, 1908
Engineering Department
Commander-in-Chief U.S. Army
General Orders No. 12, 1908
Orderly Room
Lanc Col. George L. Englehardt
Adj't Gen'l



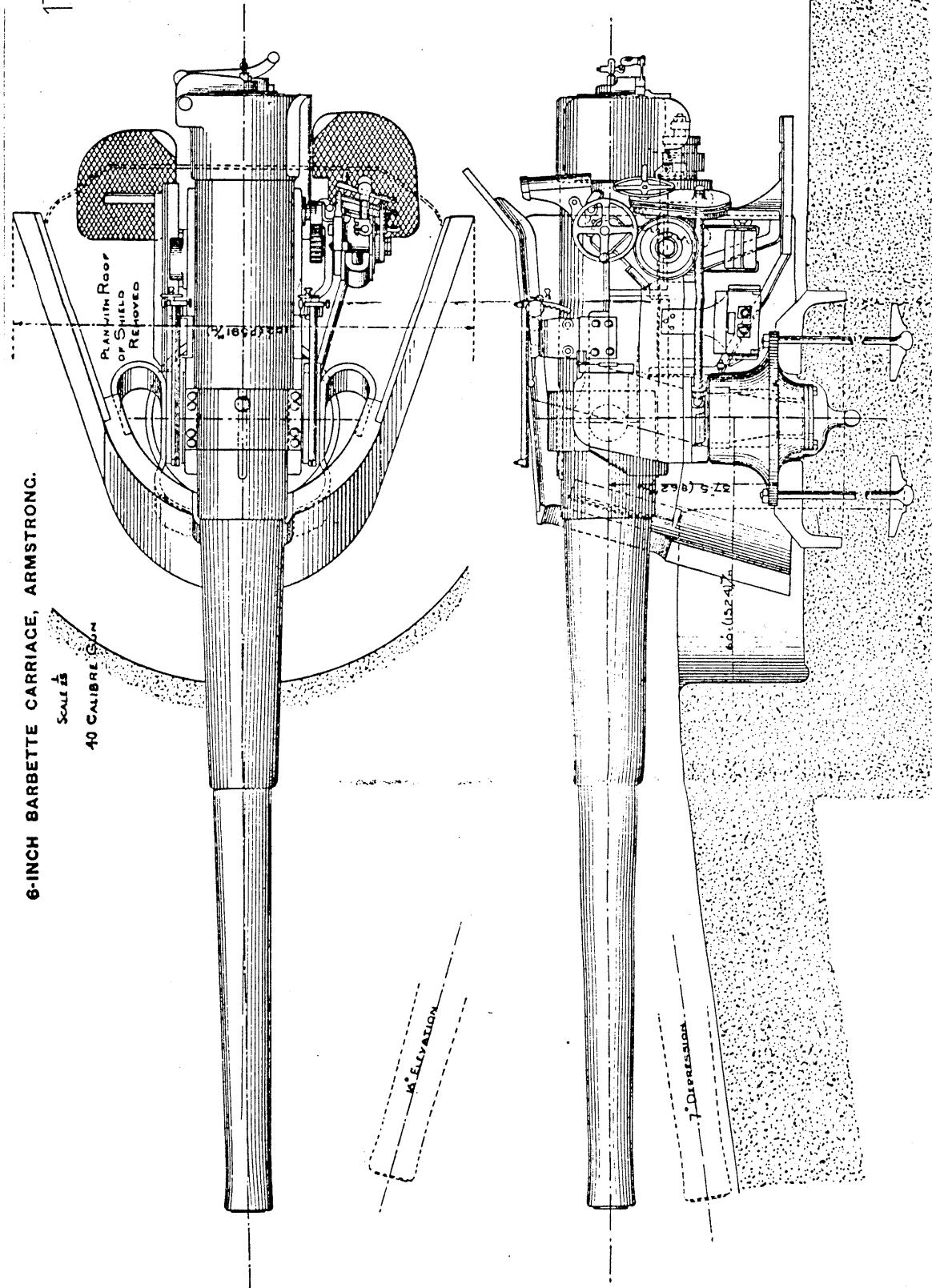
War Department,
Approved, *Frank J. Steele*,
Chief of Engineers,
U.S. Army.

Officer in Charge of Engineers,
U.S. Army,
Jan. 12, 1909.
Respectfully submitted to the
Secretary of War with recommen-
dation for approval.
John C. Stetson,
Chief of Engineers,
U.S. Army.

6-INCH BARBETTE CARRIAGE, ARMSTRONG.

PLATE II
1752

Scale 1:1
40 CALIBRE GUN

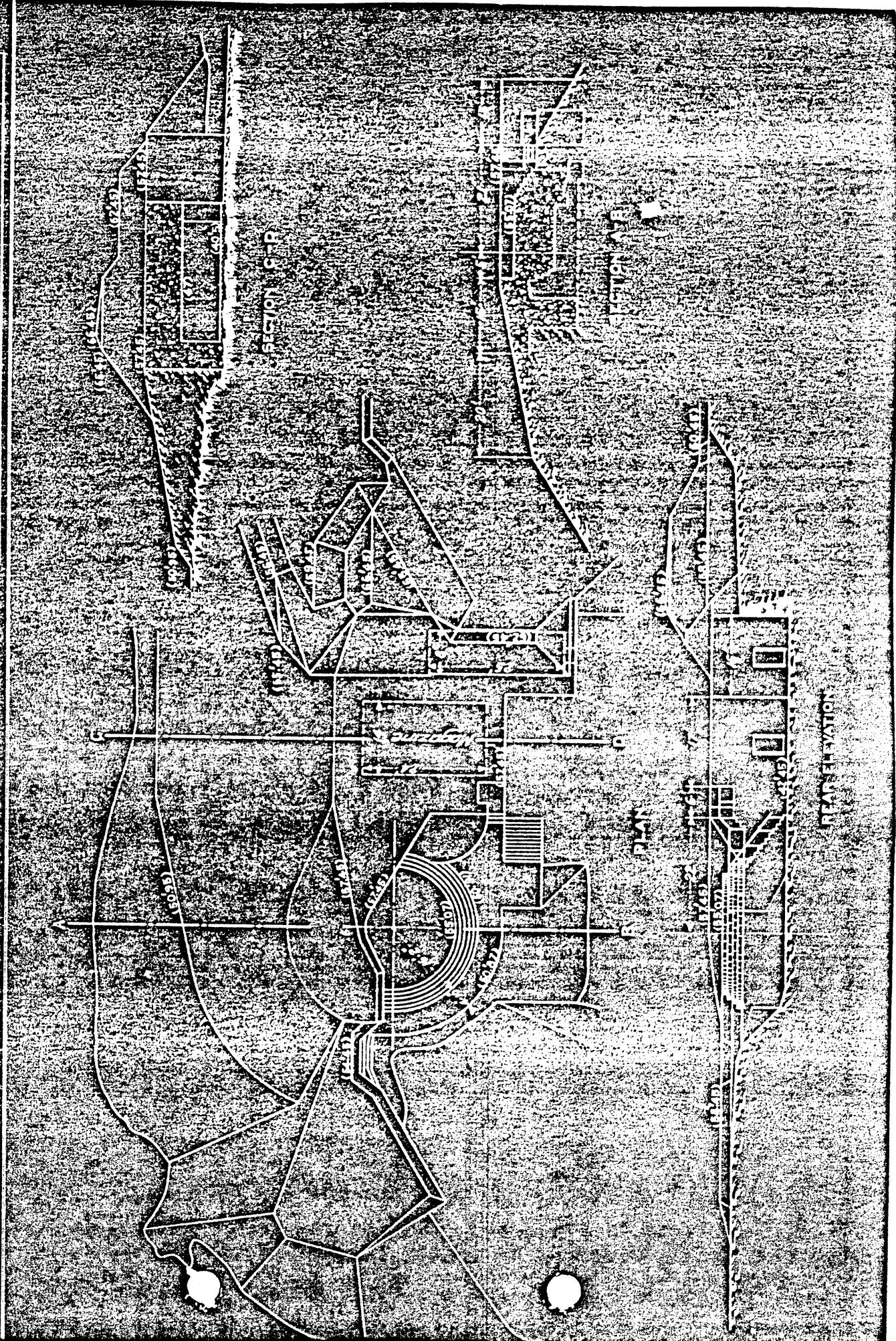


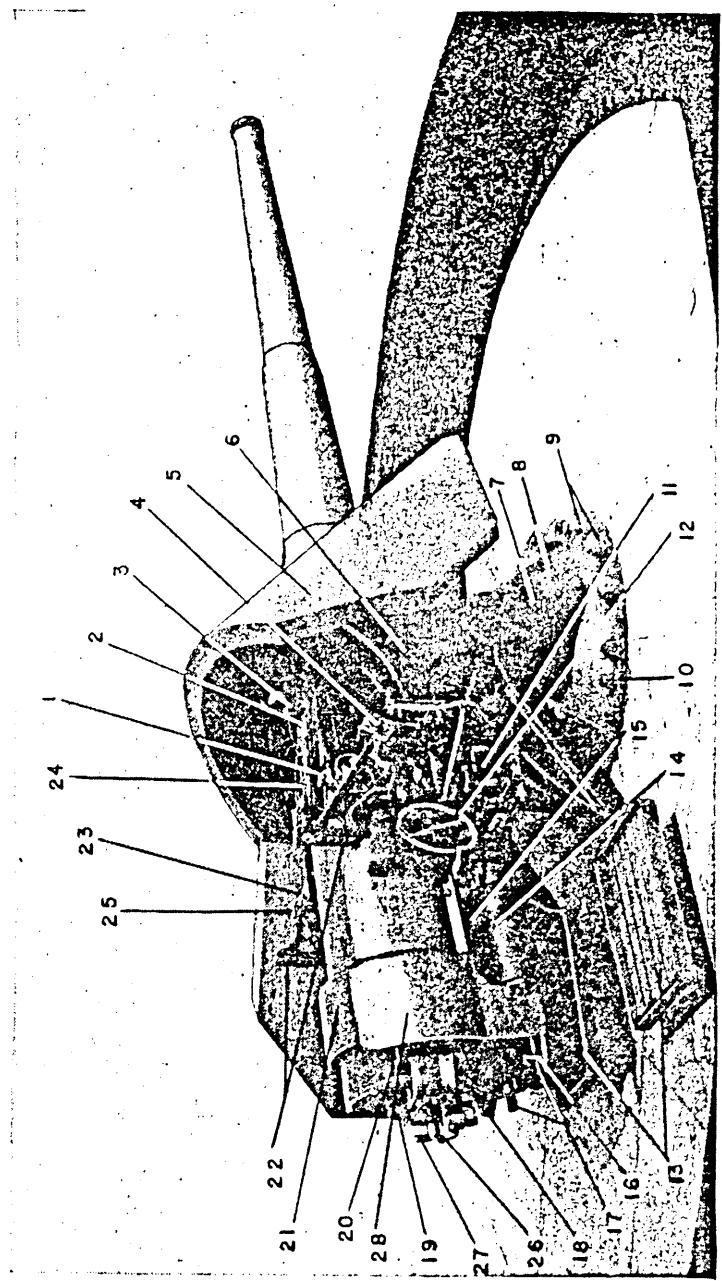
REPORT OF WORKS SEACOAST FORTIFICATIONS
(Batteries) Plan

EPR - THE NATIONAL ARCHIVES

Form 7. Corrected to Mar. 1, 1920.

FORT WILLIAMS
BATTERY HOBART
No. of guns 1
No. 10 12 13 14 15 16 17 18 19 20 21 22 23
caliber 6" Search pedestal F





1. Deflection screw.
 2. Sight cradle.
 3. Trunnion hoop.
 4. Firing pistol.
 5. Shield.
 6. Shield support.
 7. Manhole cover.
 8. Pedestal base.
 9. Foundation bolts.
 10. Leveling screw.
 11. Battery case.
 12. Traversing handwheel.
 13. Gun pointer's platform.
 14. Spring case extension.
 15. Recoil cylinder.
 16. Piston rod.
 17. Spring rods.
 18. Loading tray.
 19. Breech carrier.
 20. Breech pin.
 21. Recoil hoop.
 22. Shoulder rests.
 23. Elevation handwheel.
 24. Telescopic sight.
 25. Open sight.
 26. Gear segment.
 27. Breech operating handle.
 28. Shoulder rest.

FIGURE 37.—6-inch rapid-fire gun M1900 on barbette carriage M1900 (pedestal mount).

Report of COMPLETED WORKS - SEACOAST FORTIFICATIONS
Battery Plan

COAST DEFENSES OF PORTLAND, MAINE

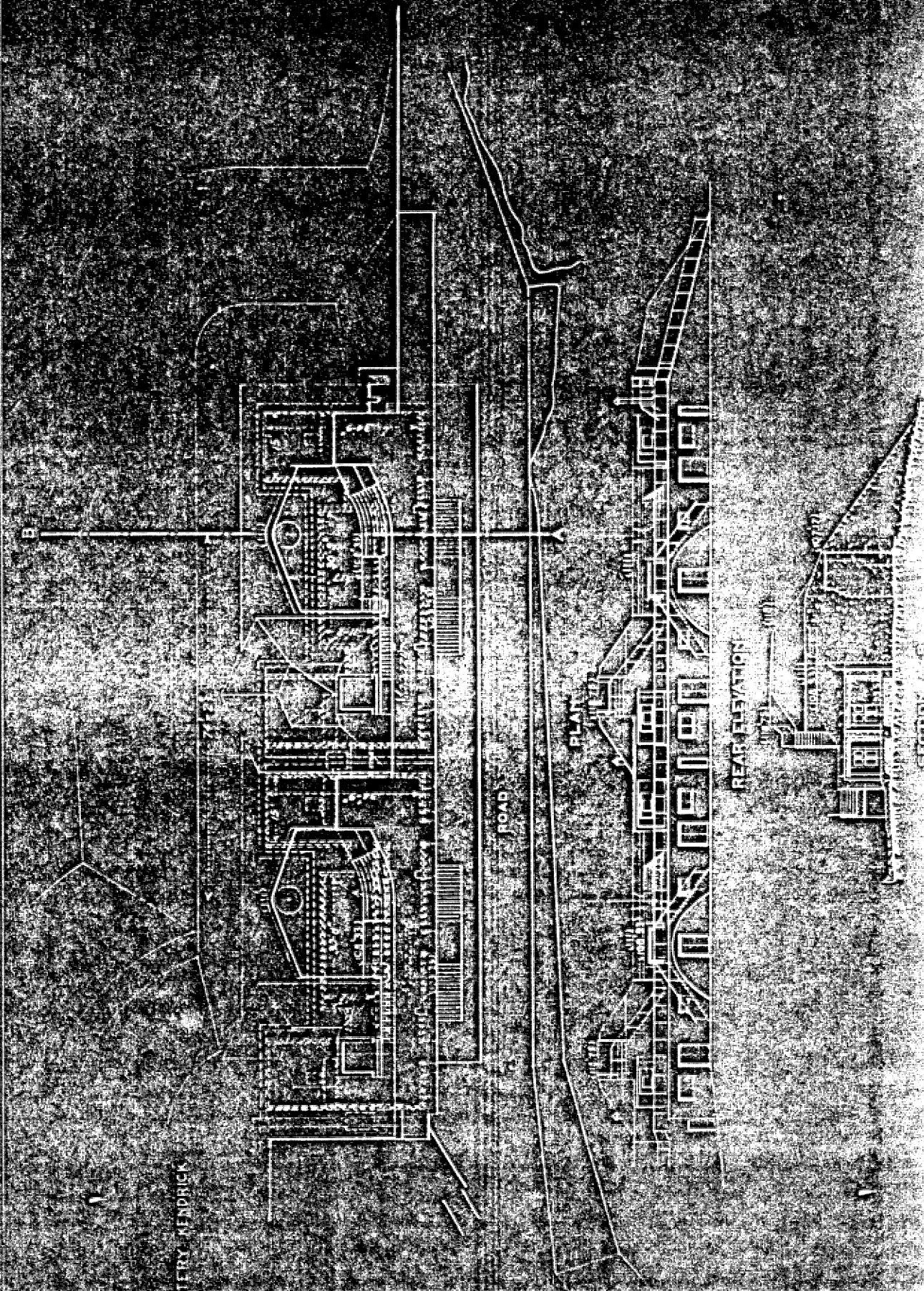
FORT LEVETTE

BATTERY FERGUSON
No of guns 2

Carriage Ped L.F.
16 FT.

Corrected to Mar. 1, 1970

Form 7



54

LIST OF DISEASES - CONTINUED.

PIRATE	SUBJECT
1000	TELEVISION AND TELEPHONE BRANCHES
1001	SWITCHING SYSTEMS ETC
1002	CORPORATE DETAILS
1003	SYSTEM TRAINING SWITCH
1004	SYSTEM COMPUTER
1005	TELEGRAMS DETAILS & FITTINGS
1006	DATA LAMPS DETAILS AND FITTINGS
1101	AS/400 LAMPS, SWITCHES AND FITTINGS
1102	AS/400 LAMPS, SWITCHES AND FITTINGS
1103	AS/400 LAMPS

1686

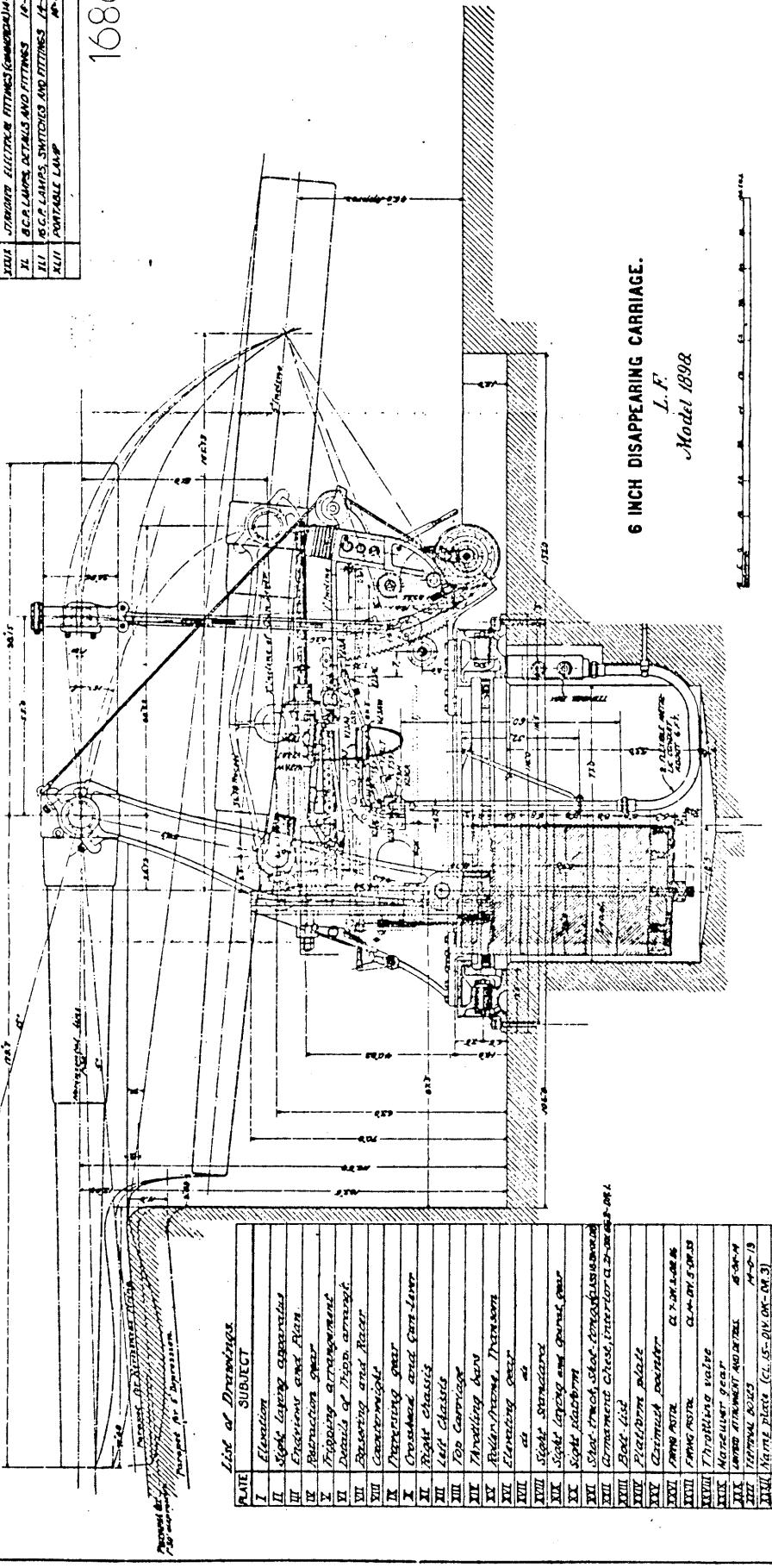
List of Drawings.

PLATE	SUBJECT
I	Elevation
II	Side view, separate
III	Exterior side view
IV	Front view, separate
V	Front view, assembled
VI	Details of 7500 armrest
VII	Bowling and Race
VIII	Carrom-side
IX	Carrom-side
X	Carrom-side and carom lever
XI	Right chassis
XII	Left chassis
XIII	Top carriage
XIV	Threading bar
XV	Bell-shaped measure
XVI	Leveling screw
XVII	ditto
XVIII	Side armrest
XIX	Side lateral and game case
XX	Side cabinet
XXI	Side - match stick - holder
XXII	Carrom-side, interior of carom
XXIII	Body side
XXIV	Platfrom plate
XXV	Armrest pedestal
XXVI	Arm rests
XXVII	Arm rests
XXVIII	Arm rests
XXIX	Threading valve
XXX	Home user gear
XXXI	Lateral armrest and rest
XXXII	External valves
XXXIII	Game table (C. S. DIV. ON-OF-F)
XXXIV	Game table (C. S. DIV. ON-OF-F)

Bürgische General
Chancery of Ordinances.

Dwight

Class 7	Division 3	Drawing 1	12
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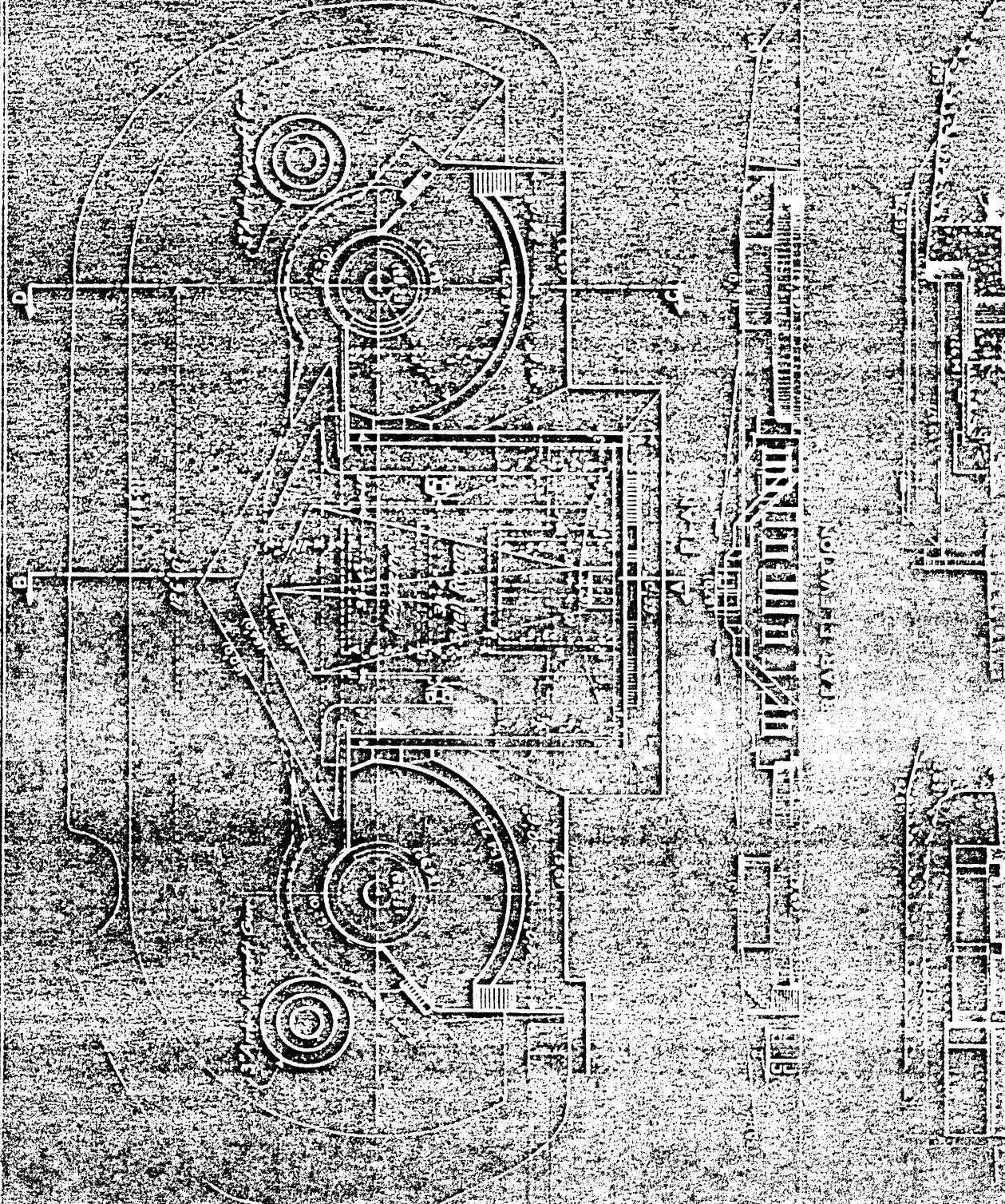


REPORT OF GOVERNOR-IN-CHIEF FOR INSPECTIONS
OFFICE OF THE GOVERNOR-IN-CHIEF
BOSTON, MASS.

Concord, 10 Dec. 1, 1928

Form

COAST DEFENSES OF PORTS AND
PORTS OF ENTRY
BOSTON
No. 100



Notes and instructions for Garrison in caring for drainage and water supply system of Battery Hoveycutt, Great Diamond Island, Maine.

the first time in history that the people of the United States have been compelled to pay for their freedom. The people of the United States have been compelled to pay for their freedom.

(N) Each stage should be measured after start time, and any reading, & EIGHT or longer should be reported as in Engineers' Observations.

U.S. Engineer Office, Portland, Maine.
December 3, 1900.
Submitted to the Chief of Engineers U.S.A.
or of this date
A. L. [Signature]
Major, Corps of Engineers U.S.A.

Major, Corps of Engineers, U.S.A.

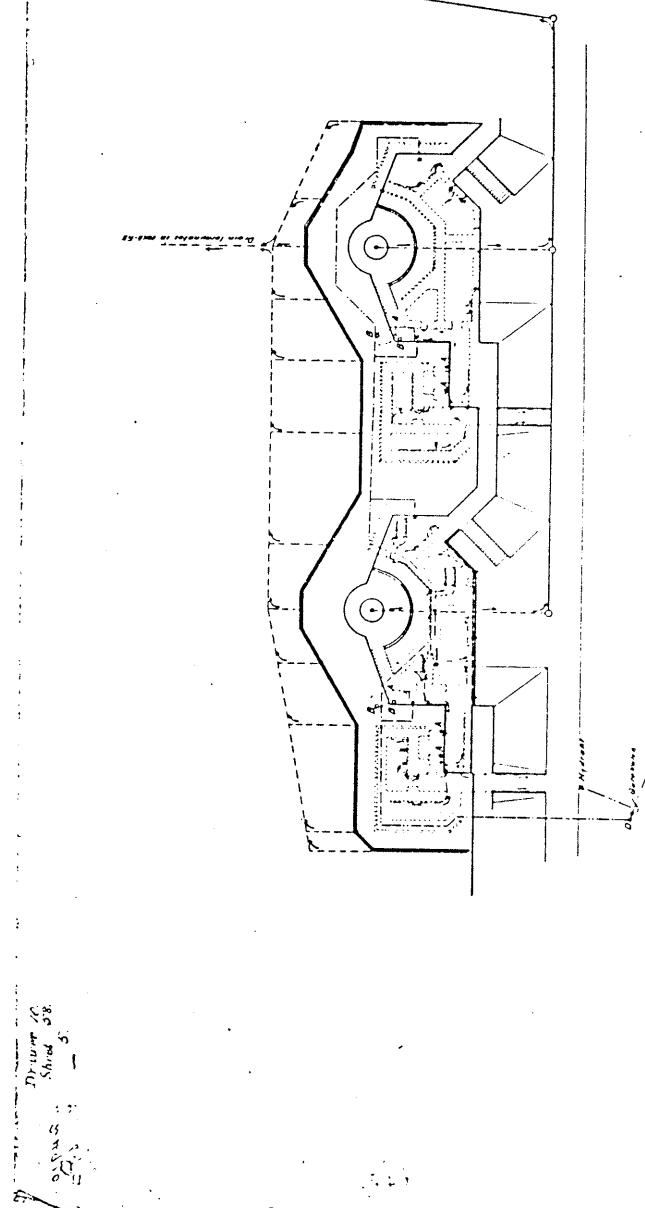
Seán Ó Siadhail, 1910.

Approved: *[Signature]*
Date: *[Signature]*

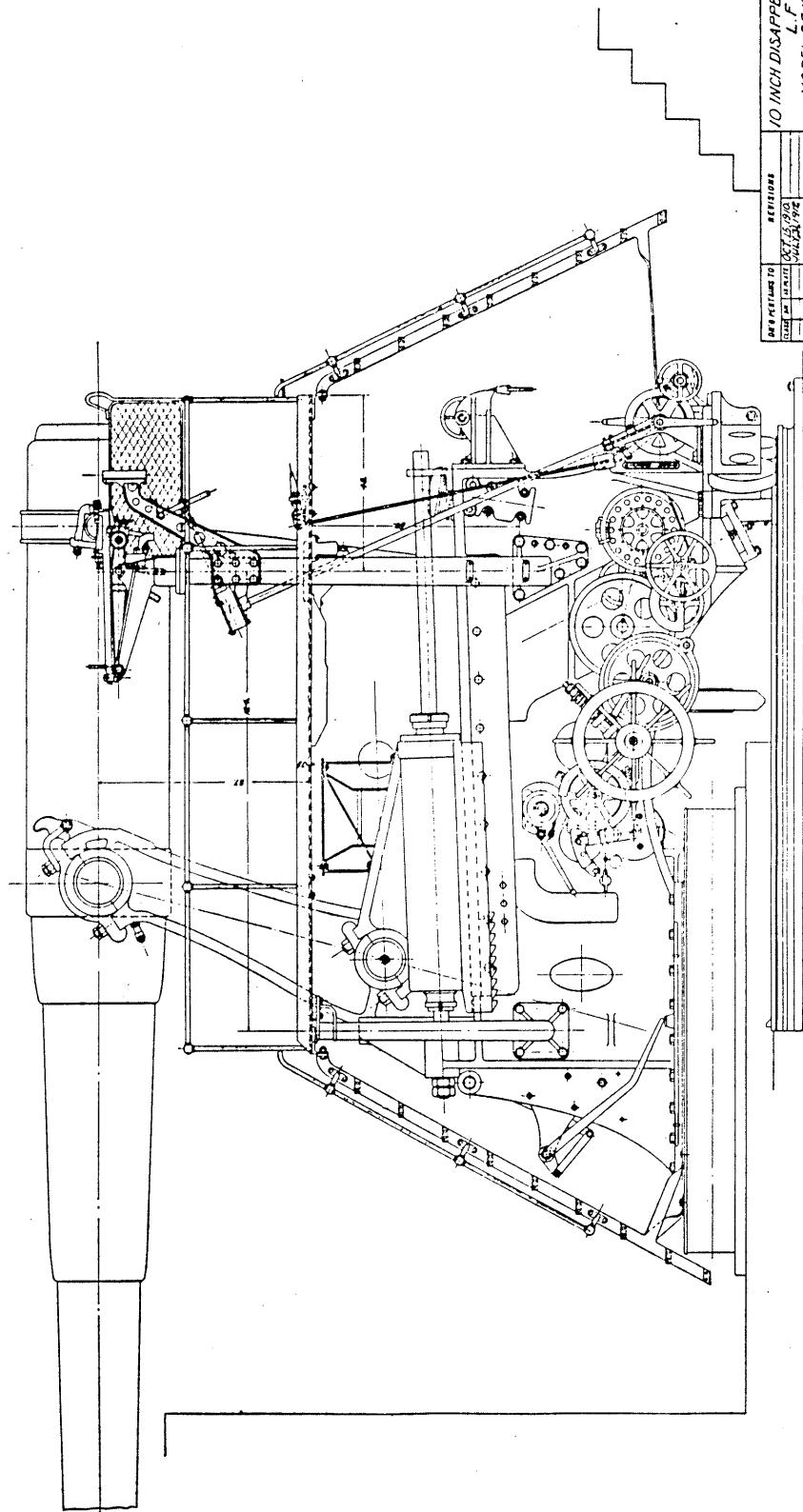
See class 2

Die Leder- und Textilwarenindustrie ist eine der wenigen Branche, die in den vergangenen Jahren kontinuierlich gewachsen ist. Die Exporte der deutschen Leder- und Textilwarenindustrie sind im vergangenen Jahr um 10,5 Prozent auf 11,5 Milliarden Euro gestiegen. Das entspricht einem Wert von 10,5 Milliarden Euro. Der Exportaufschwung ist vor allem auf die Verarbeitung von Leder und Textilien zurückzuführen. Die Exporte der deutschen Leder- und Textilwarenindustrie sind im vergangenen Jahr um 10,5 Prozent auf 11,5 Milliarden Euro gestiegen. Das entspricht einem Wert von 10,5 Milliarden Euro.

Battle of Honeycutt
GREAT DIAVOLAND ISLAND
PORTLAND HARBOR, LAKE



1691



10 INCH DISAPPEARING CARRIAGE	
REVISIONS	L.F.
DATE OF DRAWING	MODEL OF 1894 M1
DATE OF ISSUE	LEFT SIDE ELEVATION
SIGNATURE	WATERTOWN ARSENAL U.S.A. JUNE 25, 1898
INITIALS	I.E. [initials]
REMARKS	10 INCH DISAPPEARING CARRIAGE
CLASS	2
SECTION	1/2
DIVISION	2
FILE	1691

REPORT OF COAST DEFENSES OF PORTLAND, VICTORIA,
COMPLEX OF SEACOAST FORTIFICATIONS
Batteries Plan

Form 7

Concord, October 1, 1922.

Catalogue No. 1

Copy of

Map

1900

1901

1902

1903

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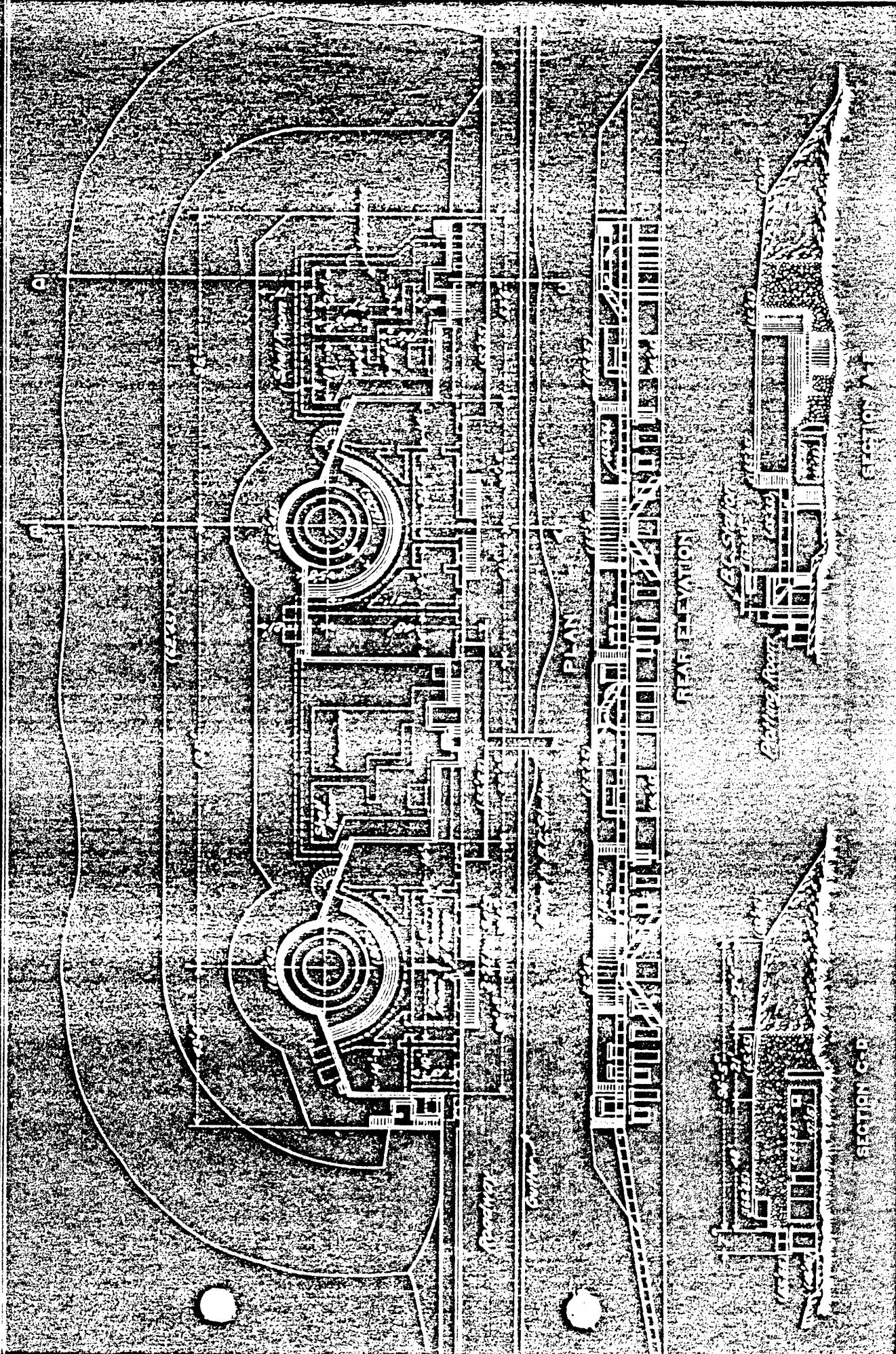
2095

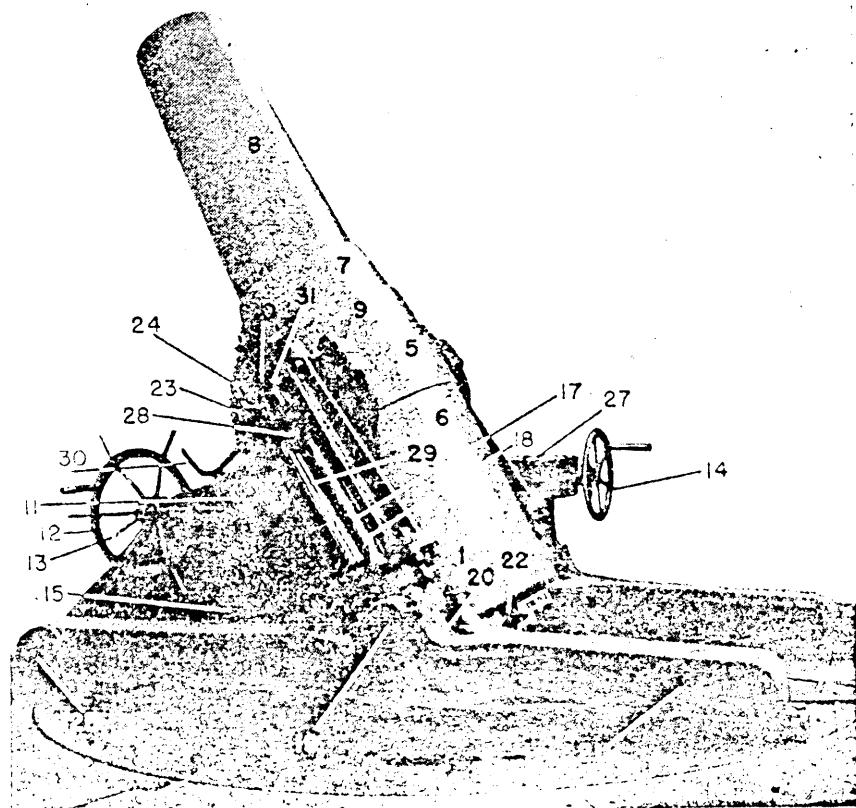
2096

CONFIDENTIAL WORKSHEET FOR TREATMENT PLANS

FOOT

Corrigenda to Volume 19





1. Recoil cylinder filling hole and plug.
 2. Racer.
 3. Graduated azimuth scale.
 4. Removable floor plate.
 5. Trunnion band or hoop.
 6. "V" row.
 7. "D" row.
 8. "C" row.
 9. Trunnion cap square.
 10. Buffer plates and cushions.
 11. Top carriage or saddle.
 12. Elevating handwheel.
 13. Elevating friction clamp.
 14. Traversing crank.
 15. Spring columns.
 16. Floor plates.
 17. Piston rod.
 18. Studing box.
 19. Recoil cylinder trunnion.
 20. Recoil cylinder.
 21. Side rails.
 22. Breech mechanism.
 23. Elevation quadrant.
 24. Elevating rack.
 25. Saddle trunnion.
 26. Shot truck track.
 27. Traversing gear box.
 28. Cross head.
 29. Cross head guide.
 30. Zero elevation locking device lever.
 31. Trunnion grease cup.

FIGURE 13.—12-inch mortar, M1890ML, mounted on carriage M1896ML.

REPORT OF COMPLETED WORKS - SEA COAST FORTIFICATIONS
(Battery Plan)

COAST DEFENSES OF PORTLAND, MAINE

FORT PREBLE
BATTERY CHASE

No. of guns 4

Drop 0

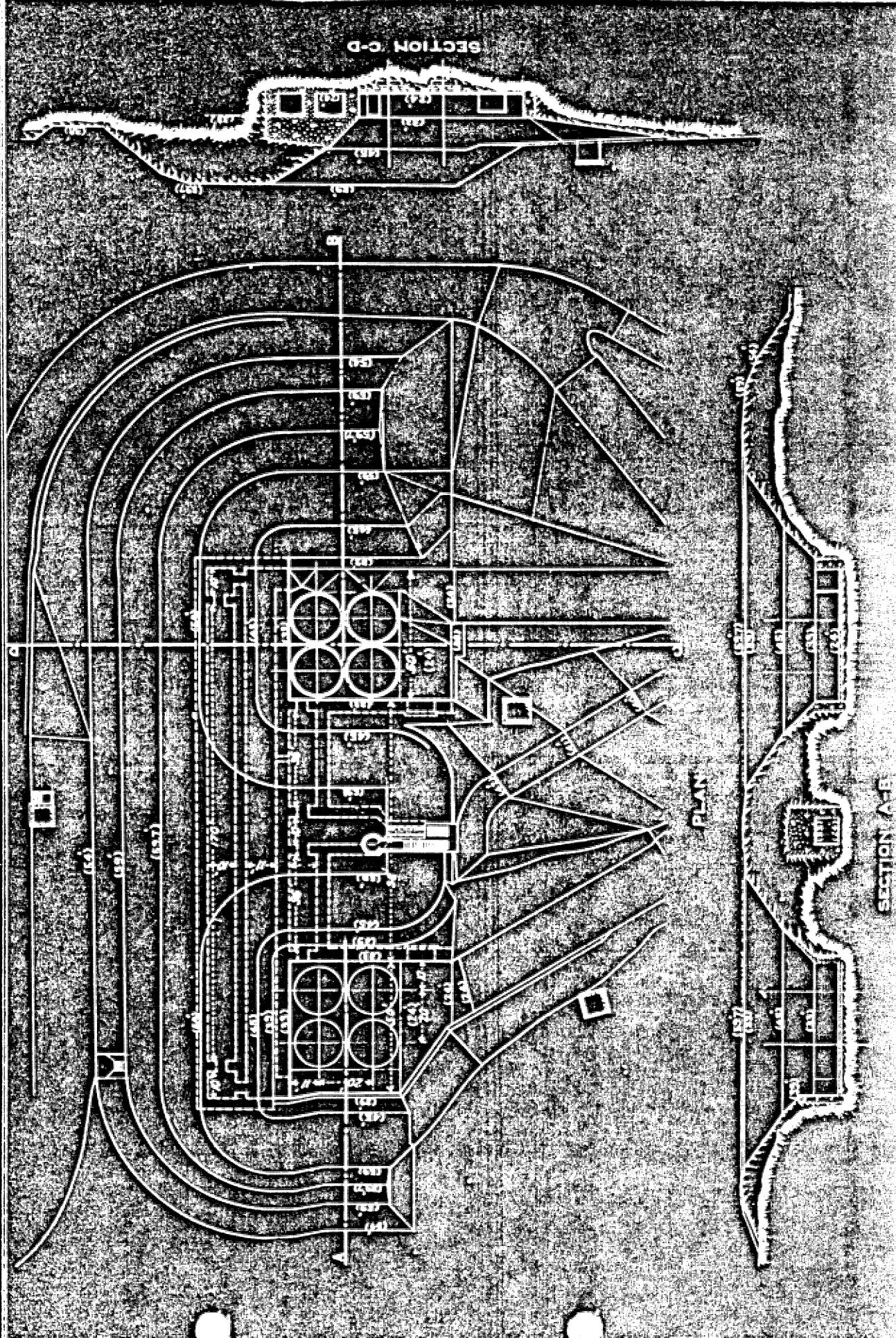
Caliber 12

Carriage, Mort.

12

Corrected to Mar 1, 1920

Form 7



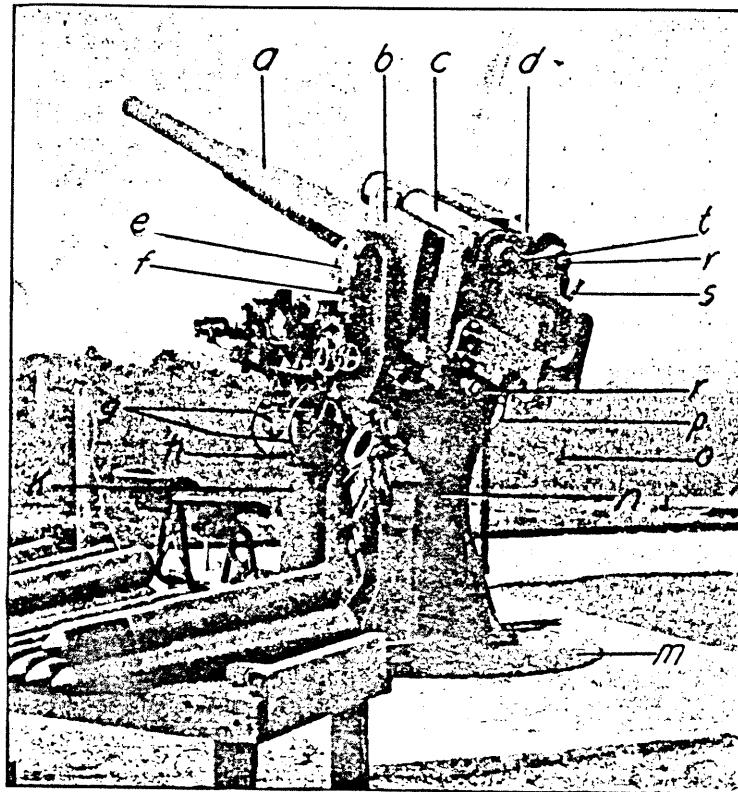


FIGURE 155.—3-inch AA mount, M1917MII (left side) (with M1917MII gun and experimental pointing equipment).

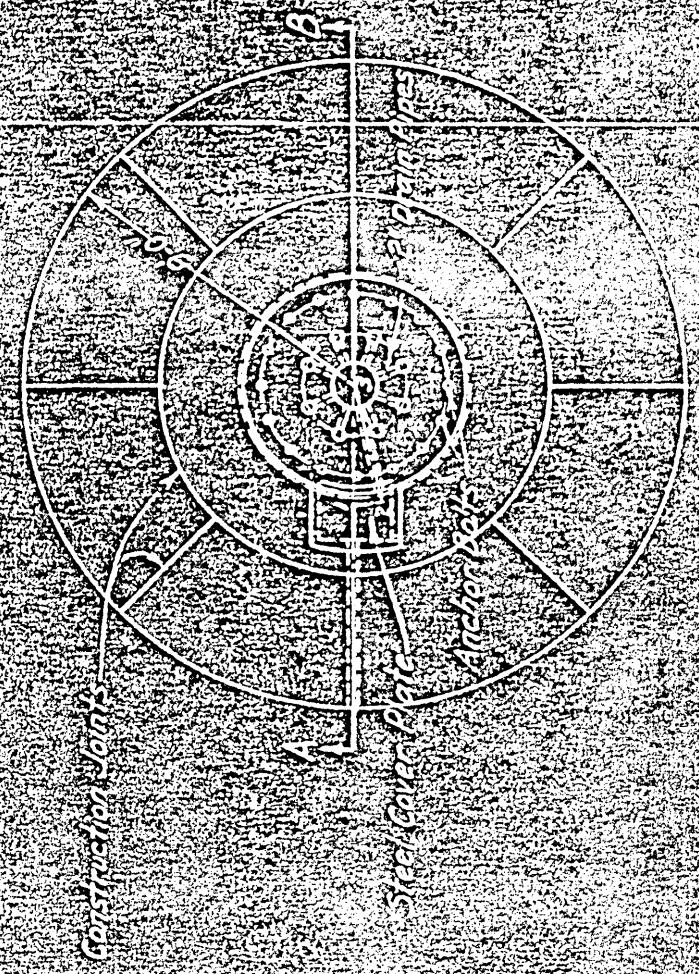
- | | |
|----------------------------|------------------------------|
| a. Gun. | k. Traversing shaft. |
| b. Cradle. | m. Racer. |
| c. Counterrecoil cylinder. | n. Pivot yoke. |
| d. Recoil cylinder. | o. Lanyard. |
| e. Antifriction device. | p. Elevating handwheel. |
| f. Belleville springs. | r. Recoil piston rod. |
| g. Traversing handwheels. | s. Operating handle. |
| h. Traversing gear case. | t. Counterrecoil piston rod. |

REPORT OF COMPLETED WORKS SECOAST FORTIFICATIONS

COAST DEFENSES OF SANDY HOOK

Chiricahua Model 1917
Caliber .30

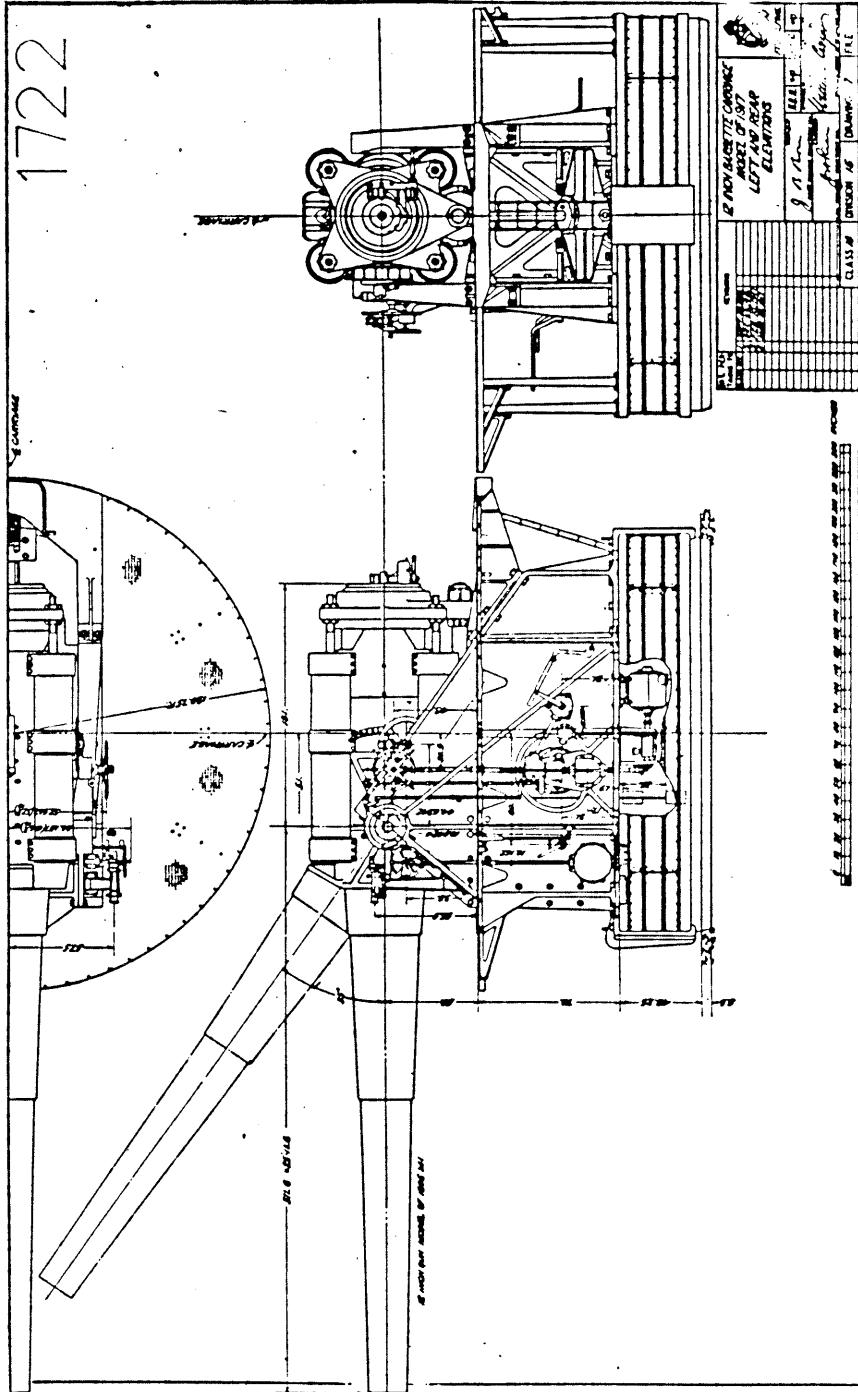
Corcoran Dec 1, 1922



Note: Distance from Gun No 1
to Gun No 2 1/26+

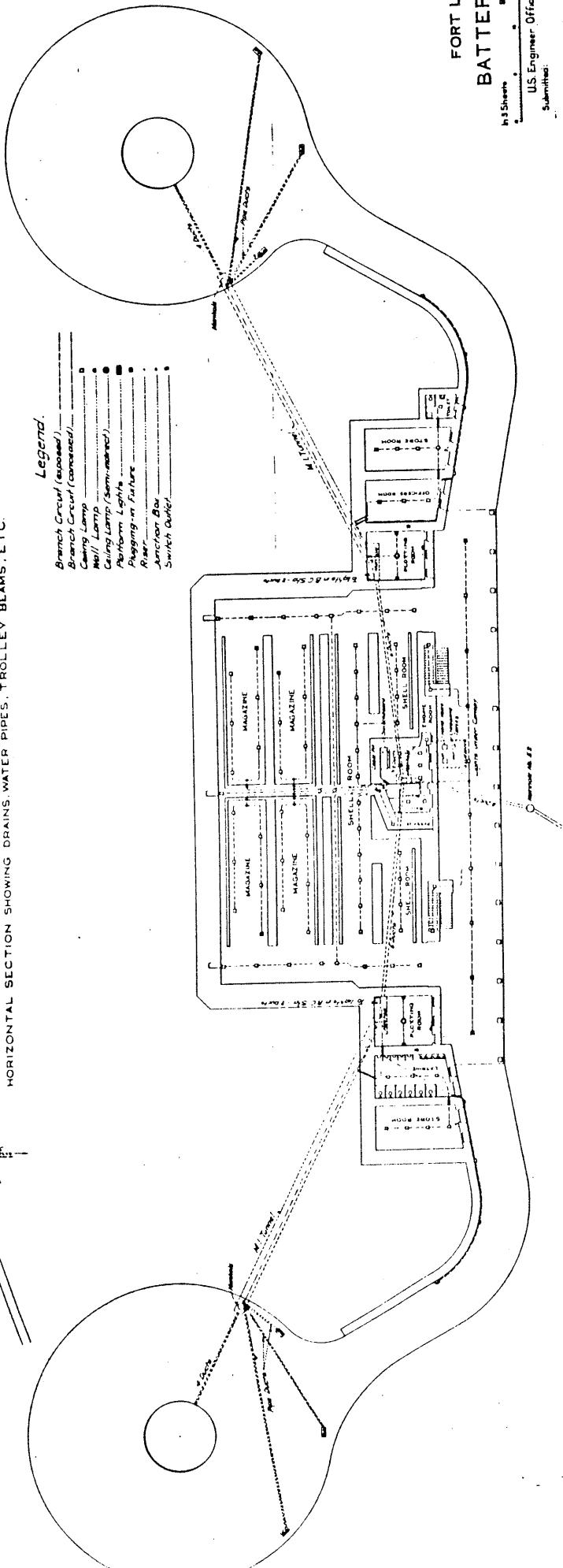
96 98 5454
2702 WCGY

1722

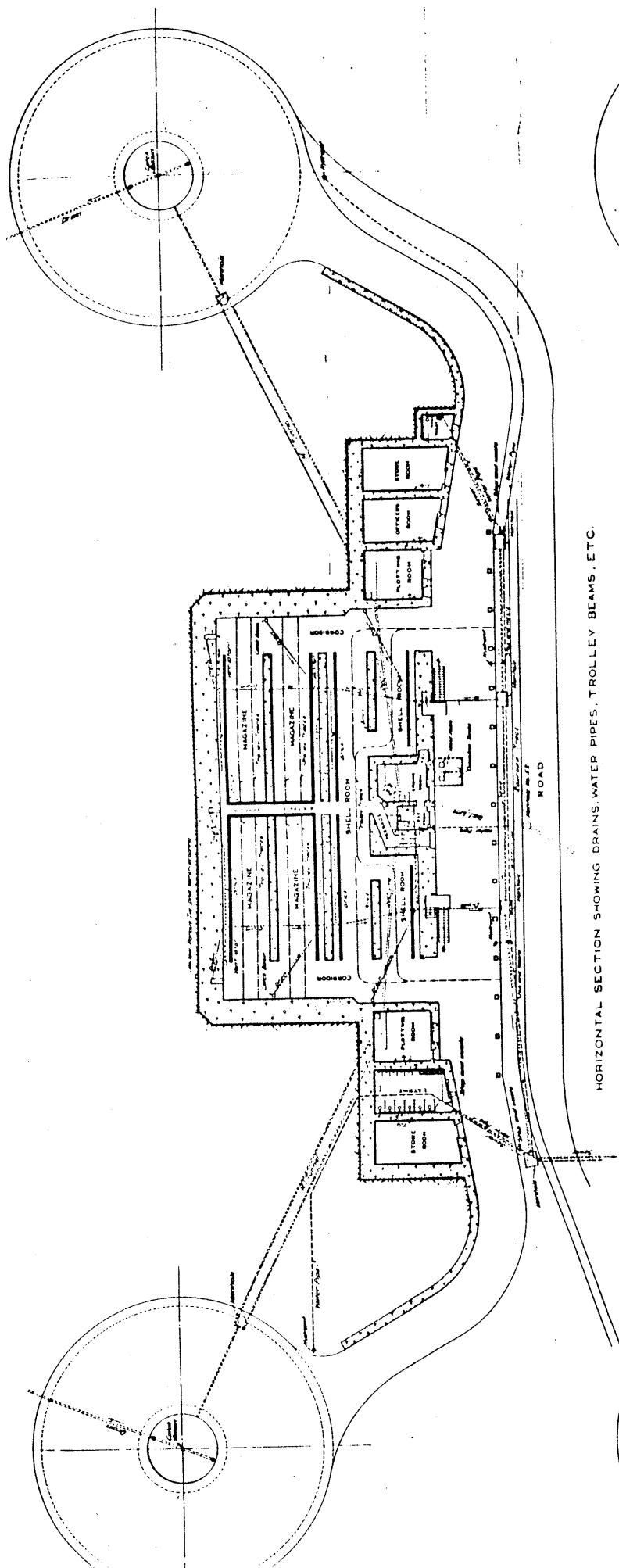


FORT LEV
BATTERY

Sheet No. 1
U.S. Engineer Office, Port.
Submitted:



HORIZONTAL SECTION SHOWING DRAINS, WATER PIPES, TROLLEY BEAMS, ETC.



REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Individual Battery)

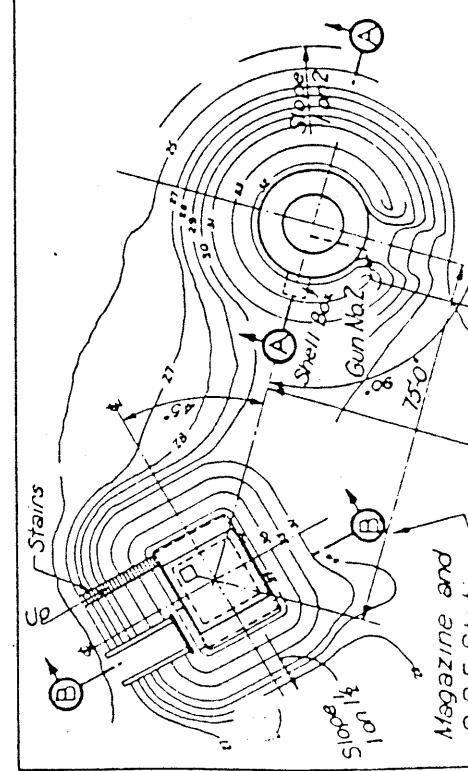
Part VII.

Corrected to 1 November 1943.

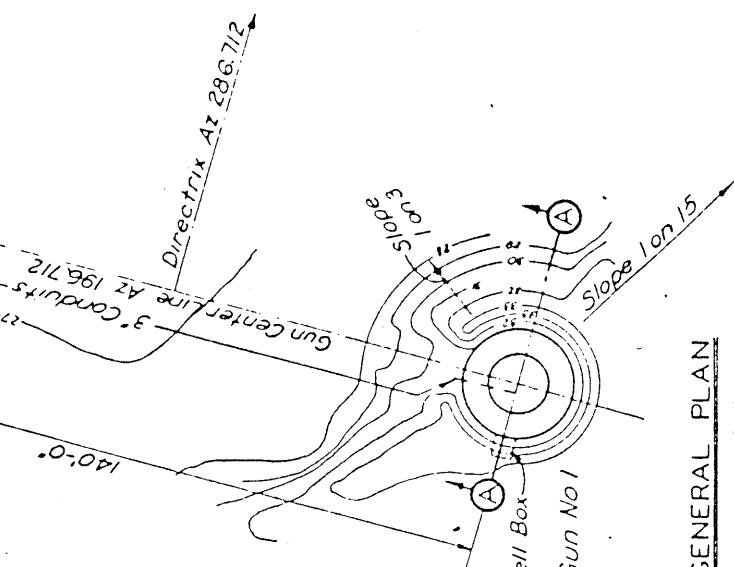
~~SECRET~~

Sheet 2 of 2 Sls.

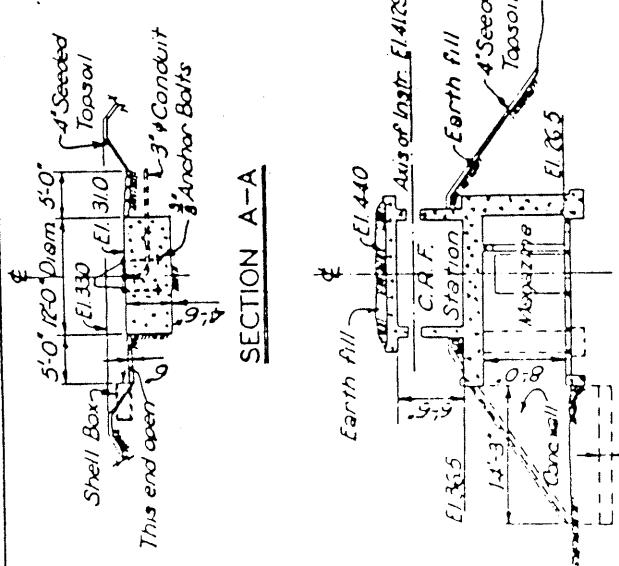
HARBOR DEFENSES OF Boston, Mass.
FORT DAWES
STRUCTURE Re-location of Battery
Taylor Location No. 127.



GENERAL PLAN



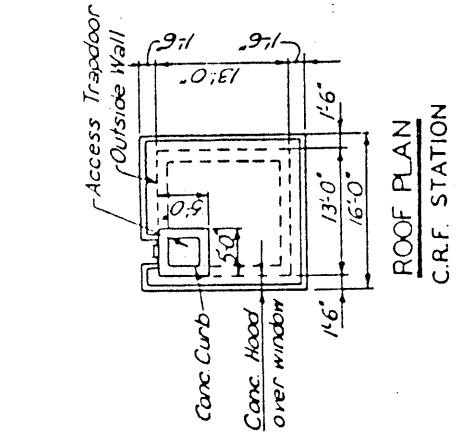
GENERAL PLAN



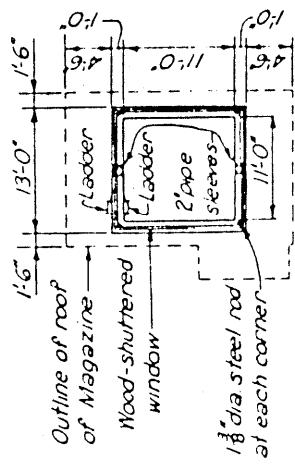
SECTION A-A



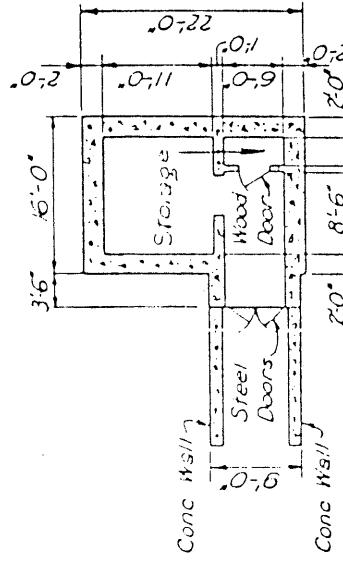
SECTION B-B



ROOF PLAN
C.R.F. STATION



FLOOR PLAN
C.R.F. STATION



FLOOR PLAN - MAGAZINE

SCALE OF FEET
10 0 10 20

SCALE OF FEET
20 0 20 40

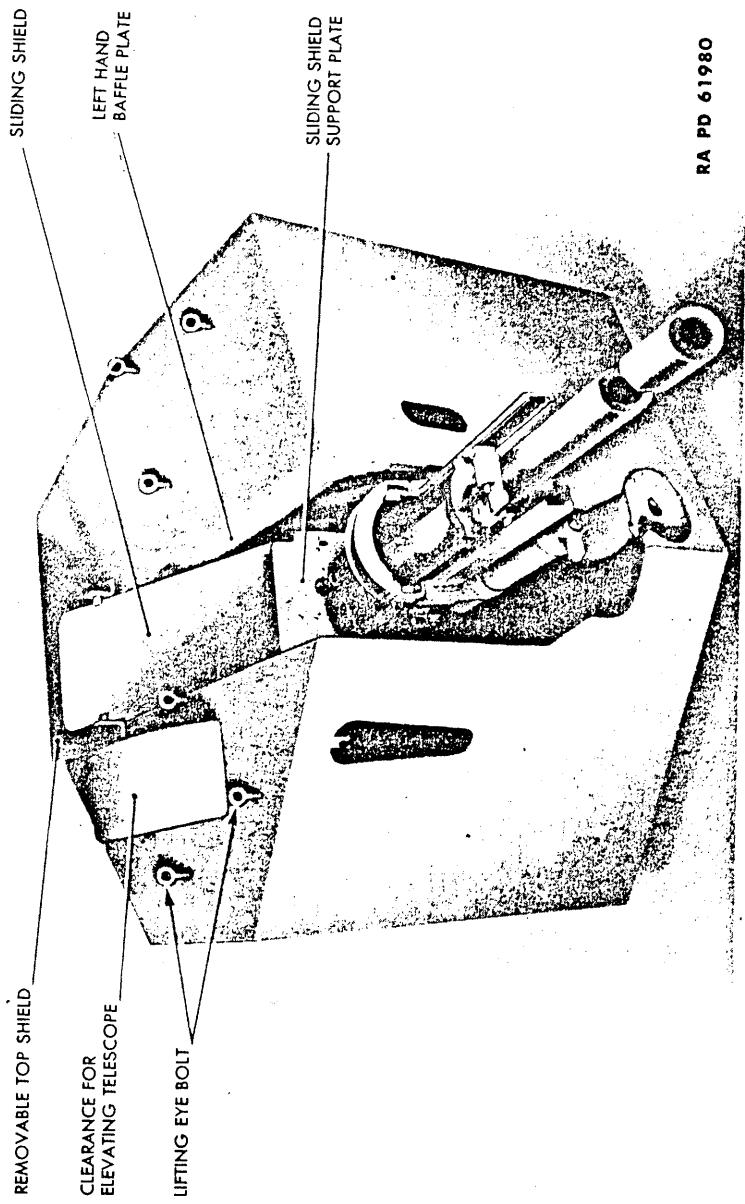
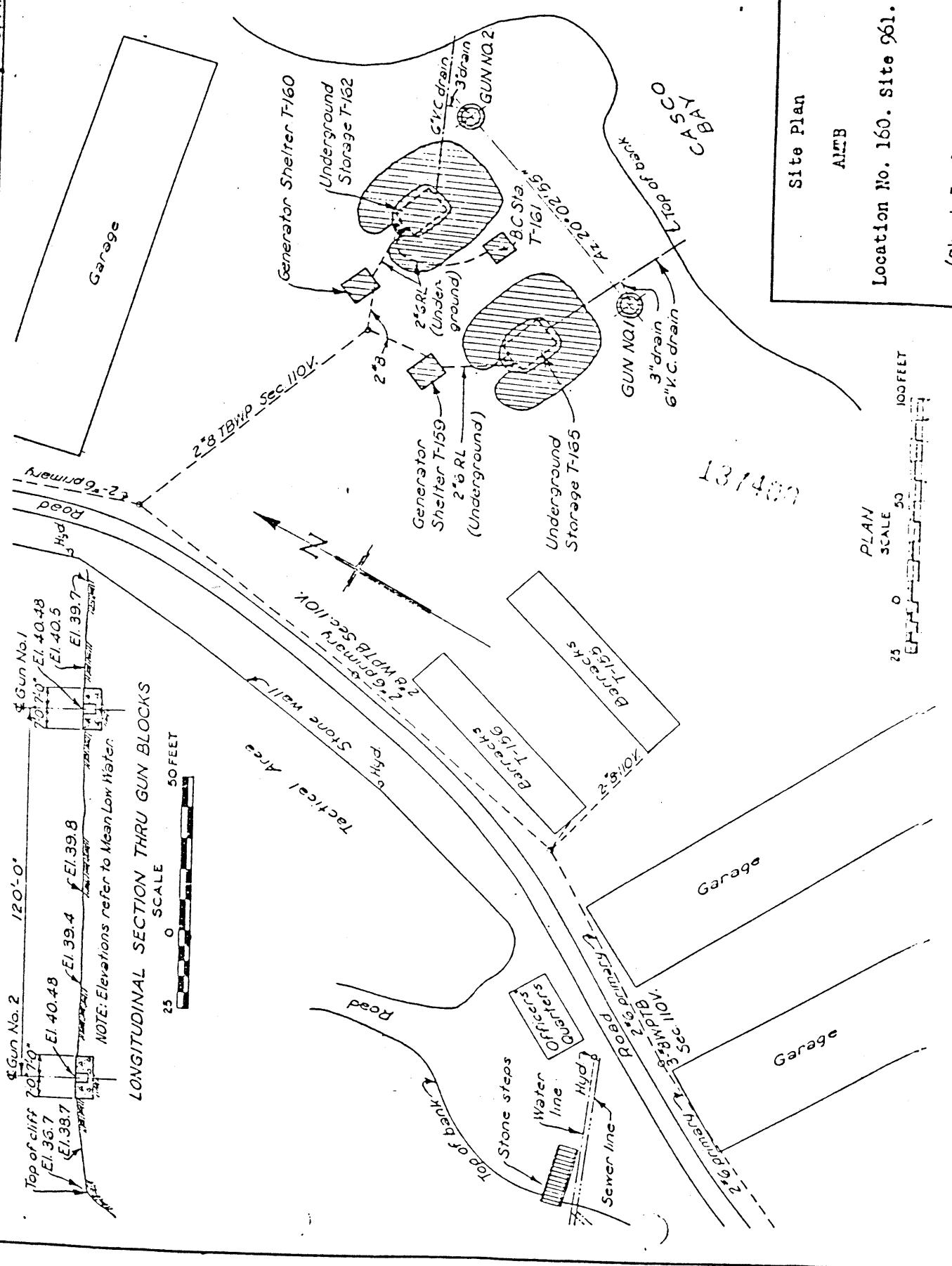


Figure 110. Shield for all-around protection (90-mm gun).

ENT WAR DE

CORPS OF ENGINEERS IN AFRICA



THE EGYPTIAN COMPLETED WORKS

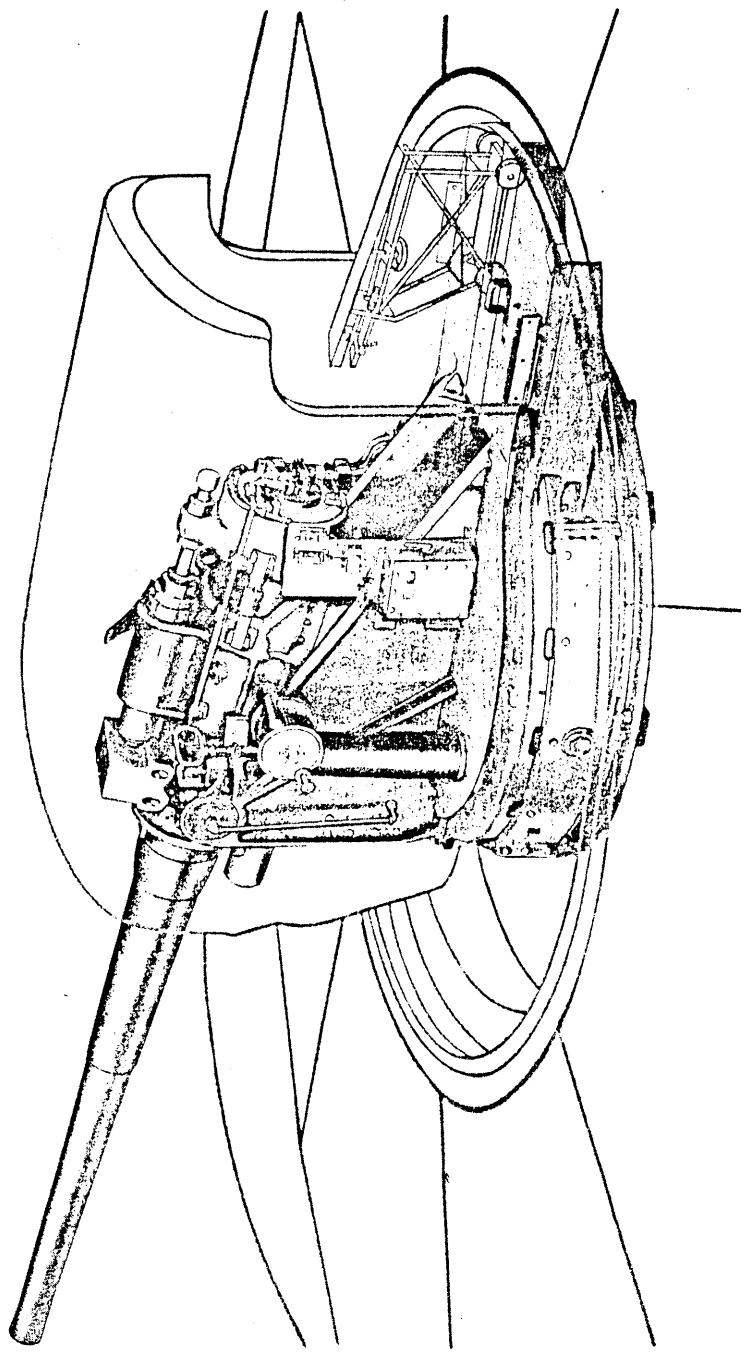
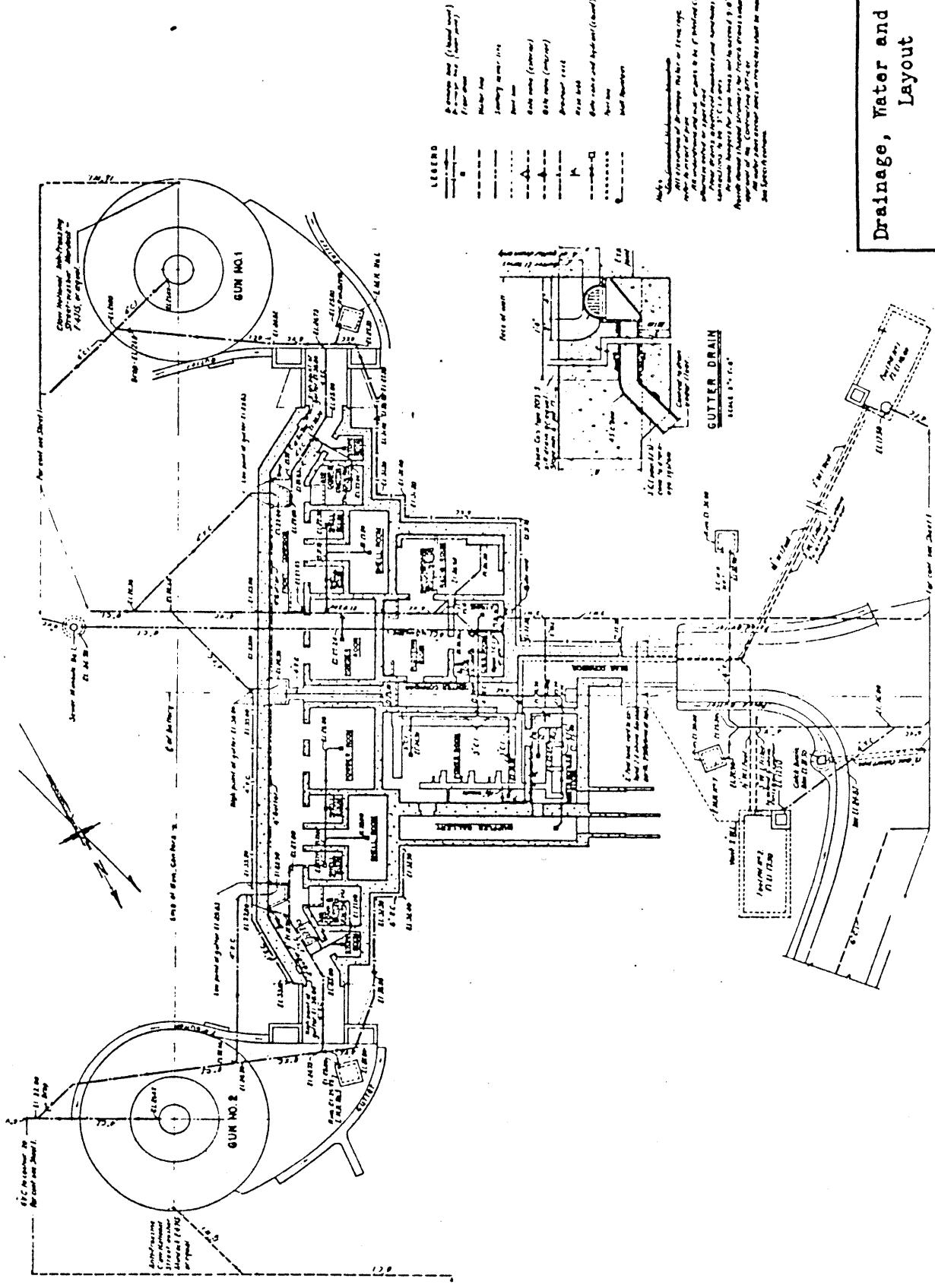


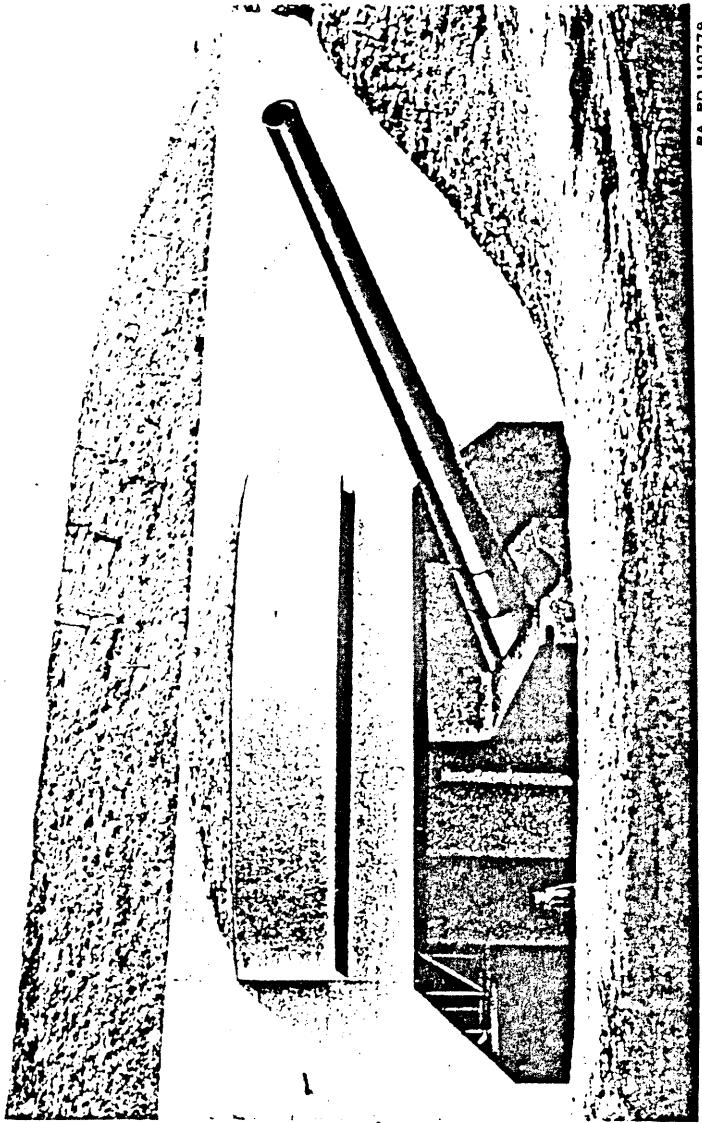
Figure 53. 6-inch gun mounted on barbette carriages M1 and M2 (shield in phantom) RA PD 110778



Drainage, Water and Sewerage
Layout

Battery 205
Location No. 148. Site 1A.
Fort Foster

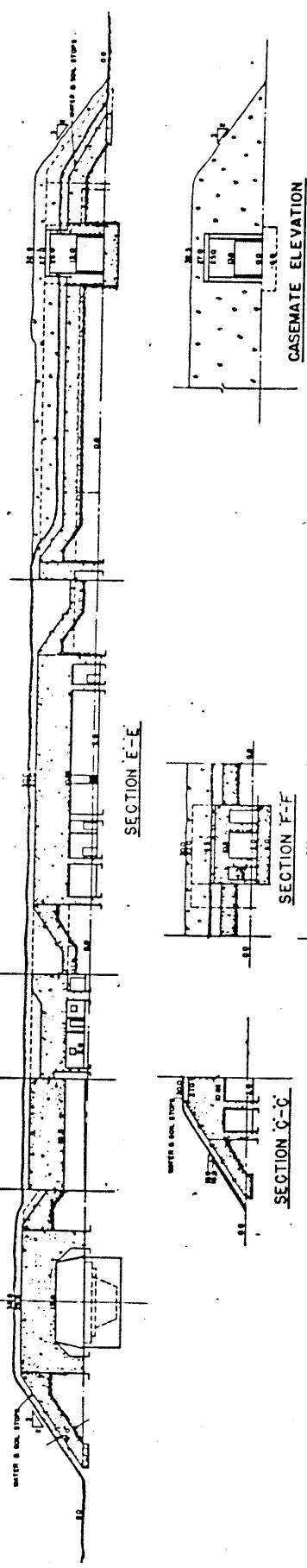
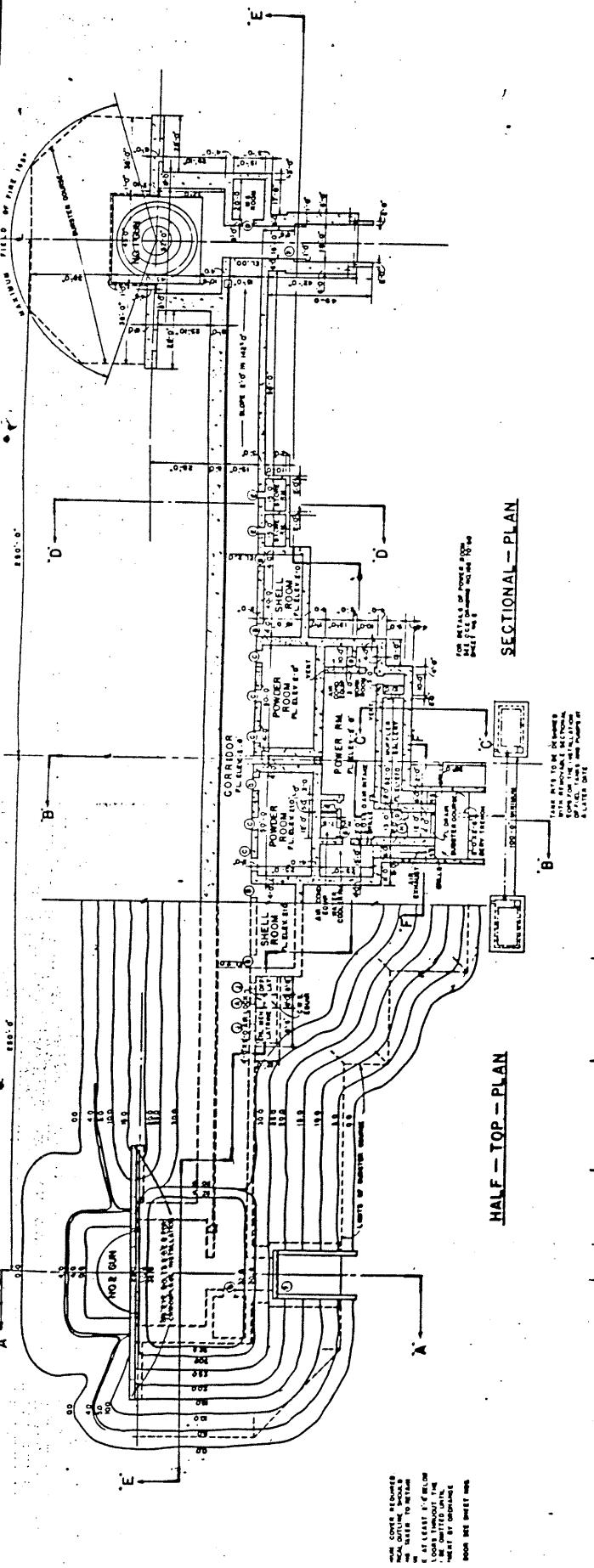
(Sheet 7 of 9 Sheets)



RA PD 110779

Figure 54. 16-inch barbette carriage in casemate.

THE SHIELD SHOWN IS
THE FORGED STEEL
SHIELD FOR THE 16-IN.
BARBETTE CARRIAGE
M1919 M3. THE SHIELD
FOR THE M4 MOUNT
IS CAST AND HAS
THE CORNERS AND
SURFACES ROUNDED.



CONFIDENTIAL

16" CASEMATED BATTERY STRUCTURAL FEATURES GENERAL PLAN AND SECTIONS

CONSTRUCTION DIVISION
OFFICE, CHIEF OF ENGINEERS
ENGINEERING BRANCH
PARTNERSHIP, TEXAS
JUNE 12, 1942

SUBMITTED		APPROVAL	
<i>John G. Gandy</i>		<i>Gene M. Hallan</i>	
AT&T COMMUNICATIONS ATTORNEY IN CHIEF		ATTORNEY IN CHIEF	
DALLAS, TEXAS		DALLAS, TEXAS	
FILE NO. 0		SUITE NO.	

188-70-64 | IN CHEM

SECTION D-D

SECTION EIGHT

SECTION A-A

Annex 3--PLANS OF REPRESENTATIVE STRUCTURES

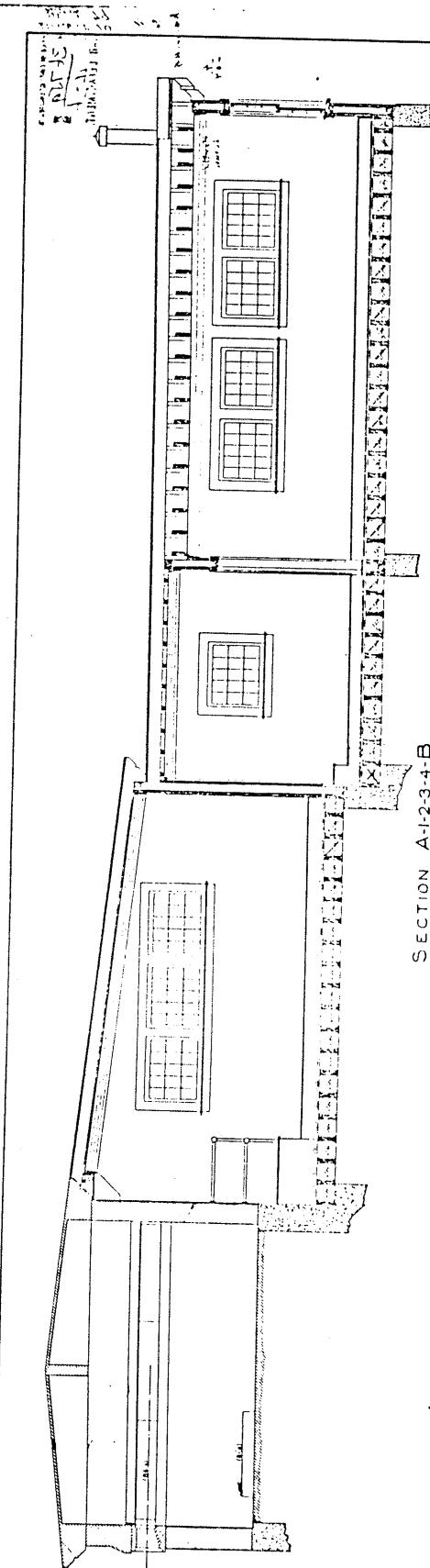
Endicott, Taft and the Inter-War Periods, 1891-1938

Battery Berry, Observing Room, Fort McKinley, 1908
Battery Honeycutt, Observing Room, Fort McKinley, 1909
Battery Thompson, Observing Room, Fort McKinley, 1908
Battle Commander's Station, Fort McKinley, 1908
Cable Tank, Fort Williams, 1908
Combined Primary and Secondary Station, Fort Williams, 1907
Combined Range Finding Station, Peaks Island, 1909
Combined Stations, Fort McKinley, 1909
District Signal Station, Fort Levett, 1909
Double Mine Station, Fort Williams, 1908
Double Mine Station, Fort Williams, 1908
Electric Plant, Fort McKinley, 1905
Fire Commander Station, Fort McKinley, 1902
Fire Control Station, Jewell's Island, 1934
Mining Casemate, North Fork, Fort McKinley, 1909
Mining Casemate, North Fork, Fort McKinley, 1920
Observing Station, Fort Preble, 1905
Protected Mining Casemate, Fort Williams, 1918
Range Finder Station, Battery Farry, Fort McKinley, 1919
Searchlight Installation, Long Island, 1917
Searchlight Observing Station, Fort Lyon, 1910
Searchlight Power House, 1911
Switchboard Building, Fort Preble, 1920
Switchboard Building, All-Around Protection, Fort Levett, 1918
Switchboard Building, South Fork, Fort McKinley, 1908
Temporary Searchlight Tower-Timber, Fort Williams, 1906
Torpedo Shed, Fort Gorges, 1897
Torpedo Storehouse, Fort Williams, 1908
Torpedo Loading Room, Fort Williams, 1907
Wharf and Tramway, Fort McKinley, 1910

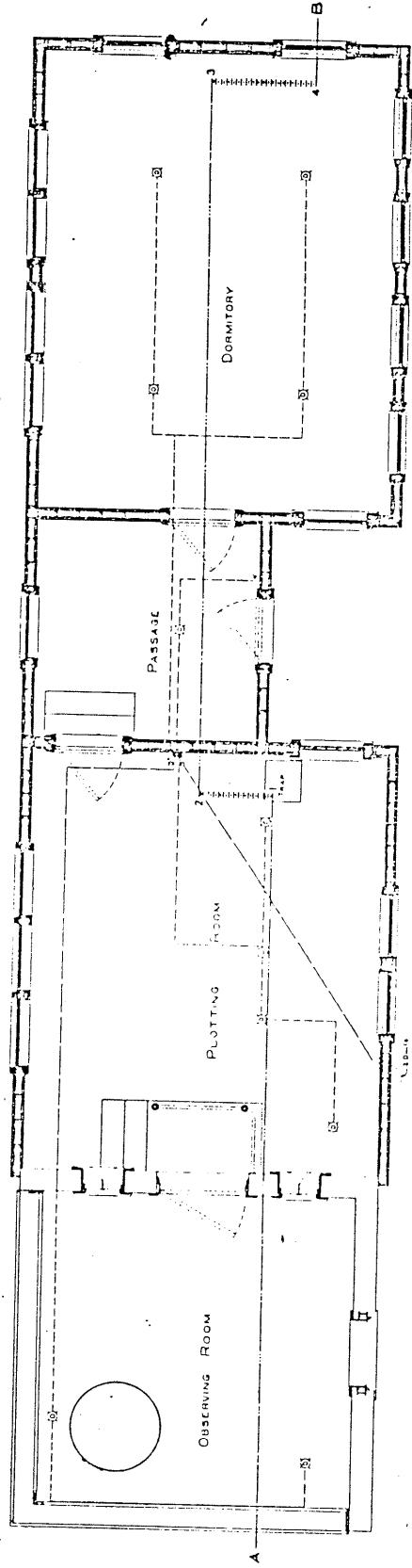
World War II, 1939-1945

B.C. Station, AMTB Battery, Fort Williams, 1943
Mine Casemate, Type Plan for 10 Mine Groups, n.d.
Operations Building, SCR-296A, n.d.
Observation Station, Bailey Island, 1944
Observation Tower, Cape Neddick, 1943
Observation Tower, Fort Foster, 1943
Plotting Room (side view), n.d.
Plotting Room (top view), n.d.
Underground Storage and Generator Building, AMTB, Fort Williams, 1943

Drafter 19
Sheet 42



SECTION A-1-2-3-4-B



PLAN

FORT MCKINLEY
PORTLAND HARBOR, MAINE.

(B) BATTERY BERRY

Scale 1:1

NOTE
No holes should be made in walls or rails, or nails driven into woodwork.
Necessary cutting and sawing will be performed by the Engineer Department.
Type of Construction - Wooden frame and cement plaster, in addition to our current observing station.

Office of the Engineers,

U. S. Army,

May 15, 1908.

Respectfully submitted to the
Secretary of War with recommendation
for approval.

W. C. L. C. - J. G. W.
W. C. L. C. - J. G. W.
Major Gen. Chief of Engineers.

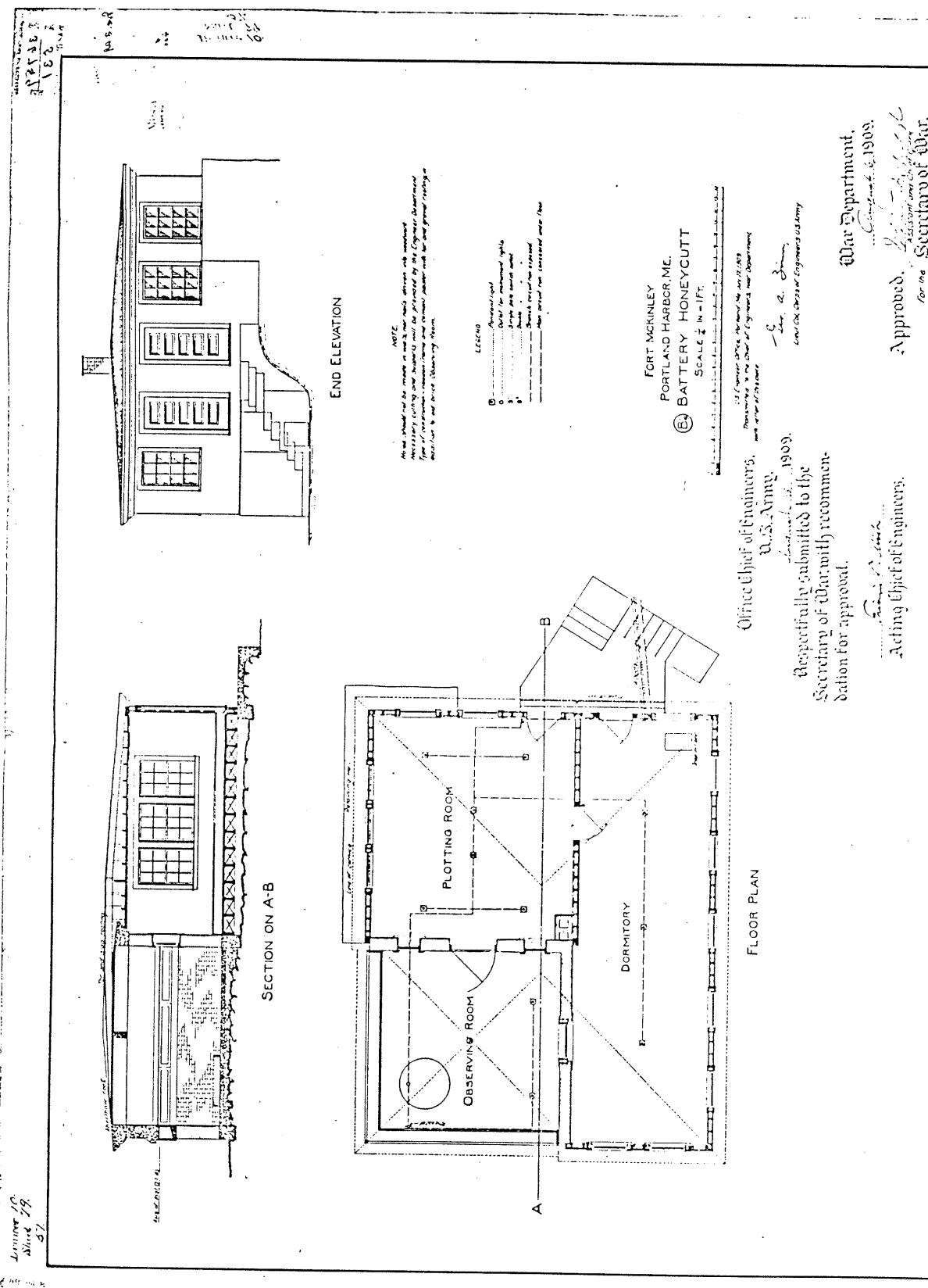
U. S. Army.

U. S. Engineer Office,
Portland, Maine, April 29, 1908.
Transmitted to the Chief of Engineers, War Department,
with letter of this date.

10-779
J. G. W.

Major Corps of Engineers, U.S. Army.

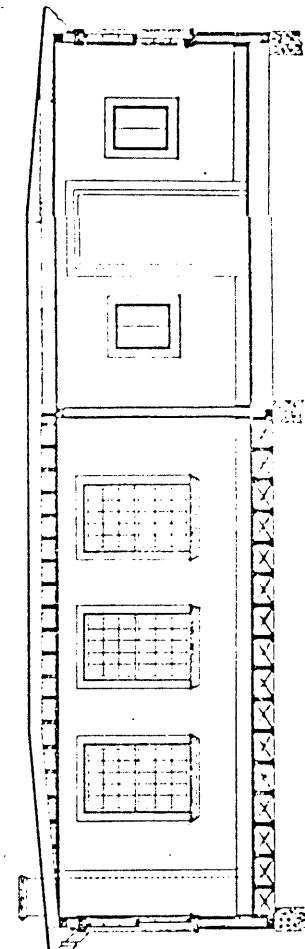
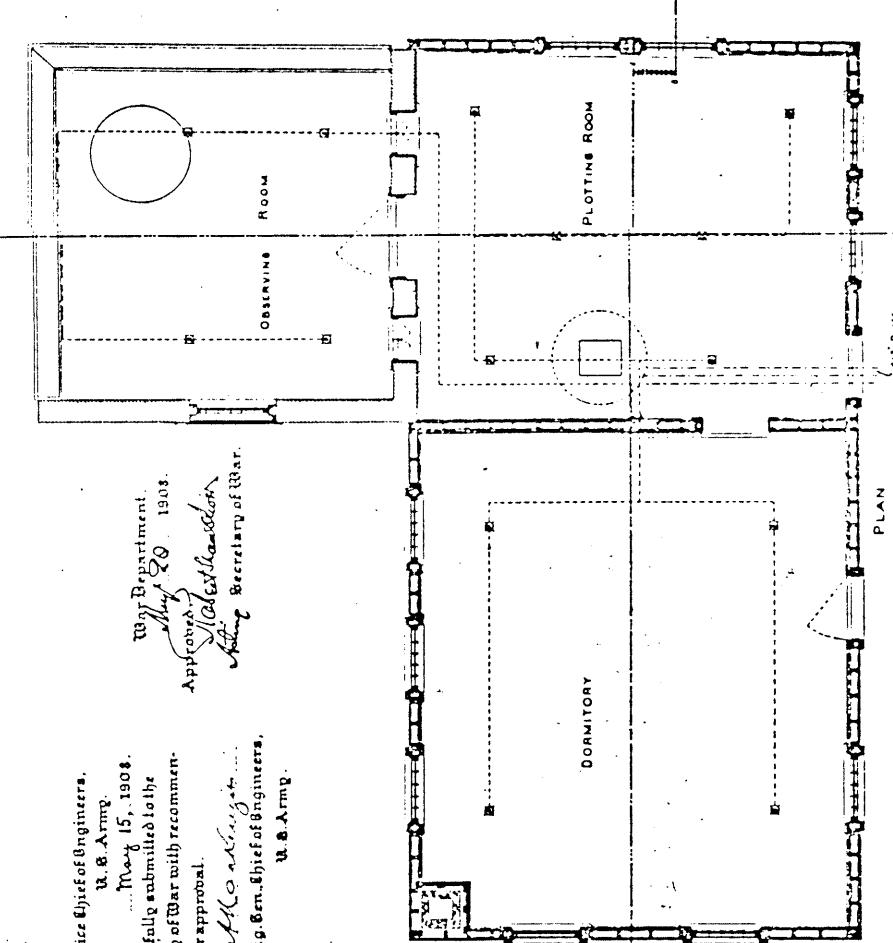
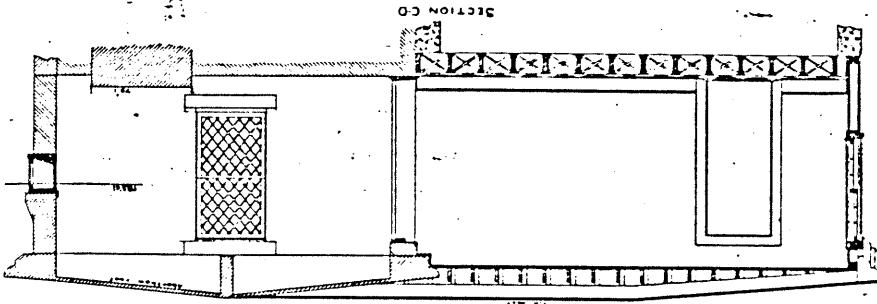
79



Office Chief of Engineers,
U. S. Army.

May 15, 1908.
Respectfully submitted to the
Secretary of War with recommenda-
tion for approval.
A. C. Gilman,
Brig. Gen., Chief of Engineers,
U. S. Army.

U. S. Department
May 20, 1908.
Approved,
J. A. Westland,
Acting Secretary of War.



FORT MCKINLEY,
PORTLAND HARBOR, MAINE.
B) BATTERY THOMPSON

Scale 1:1000

SECTION A-B

Note

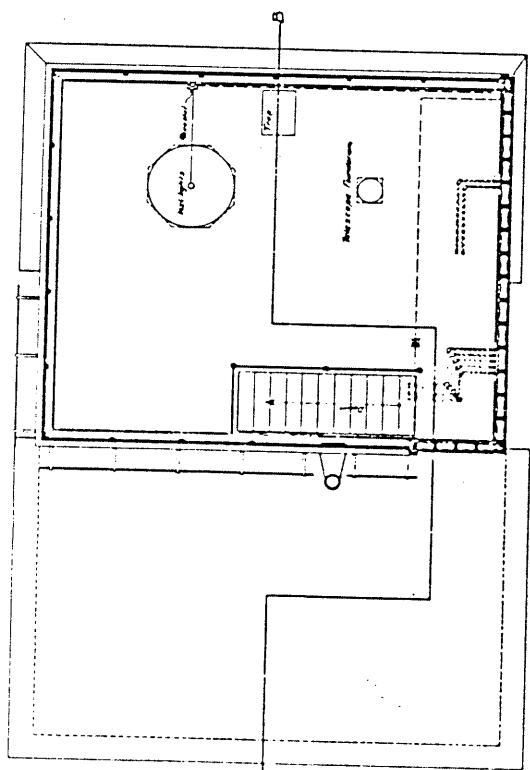
No plan or section has made in main details given in the following
description being constructed with the assistance of the
Treasurer of Construction, Warden, and Surveyor
in addition to the above
designed by the
Major Corps of Engineers, U. S. Army.

U. S. Engineer Office.

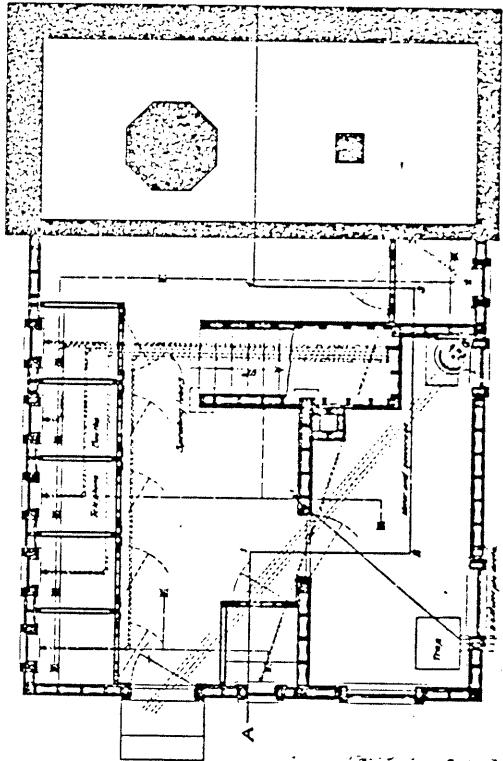
Portland, Me., April 29, 1908.
Transmitted to the Chief of Engineers, War Department,
with letter of this date.

E. J. B.
Major Corps of Engineers, U. S. Army

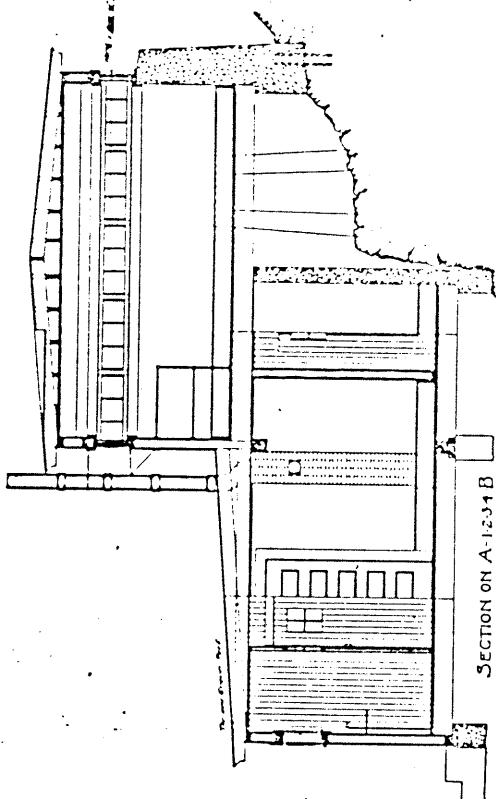
10-79
93



FIRST FLOOR PLAN



GROUND FLOOR PLAN.



C
SCALE: 1 IN. = 1 FT.

FORT MCKINLEY
PORTLAND HARBOR, MAINE.
BATTLE COMMANDERS STATION

Office Chief of Engineers
U. S. Army
July 6, 1908.
Respectfully submitted to the
Secretary of War with recommenda-
tion for approval

Frank V. Black
Acting Chief of Engineers.

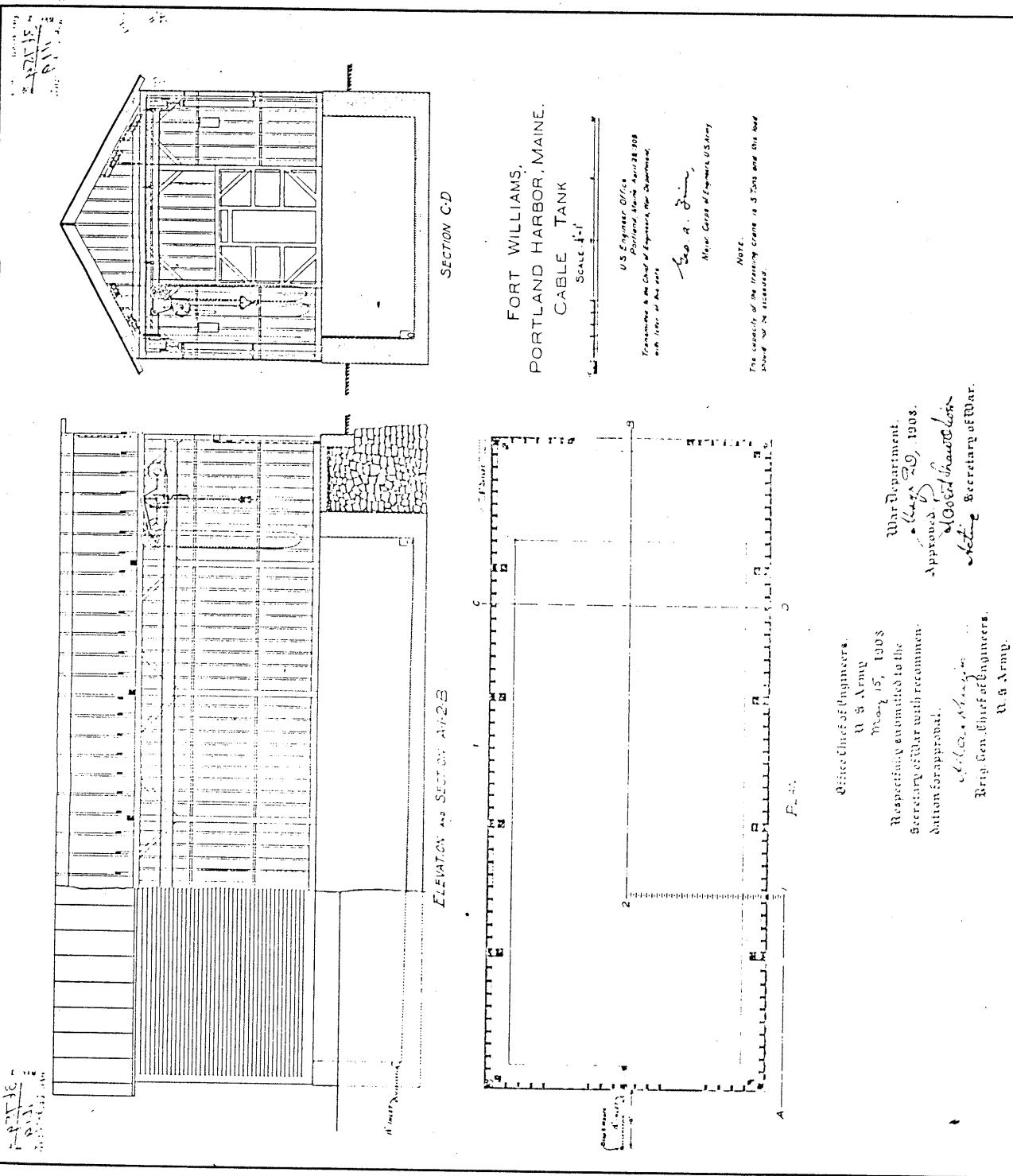
U.S. Engineer Office
Portland, Maine June 25, 1908
Transmitted to the Chief of Engineers, War Department,
with letter of his date.

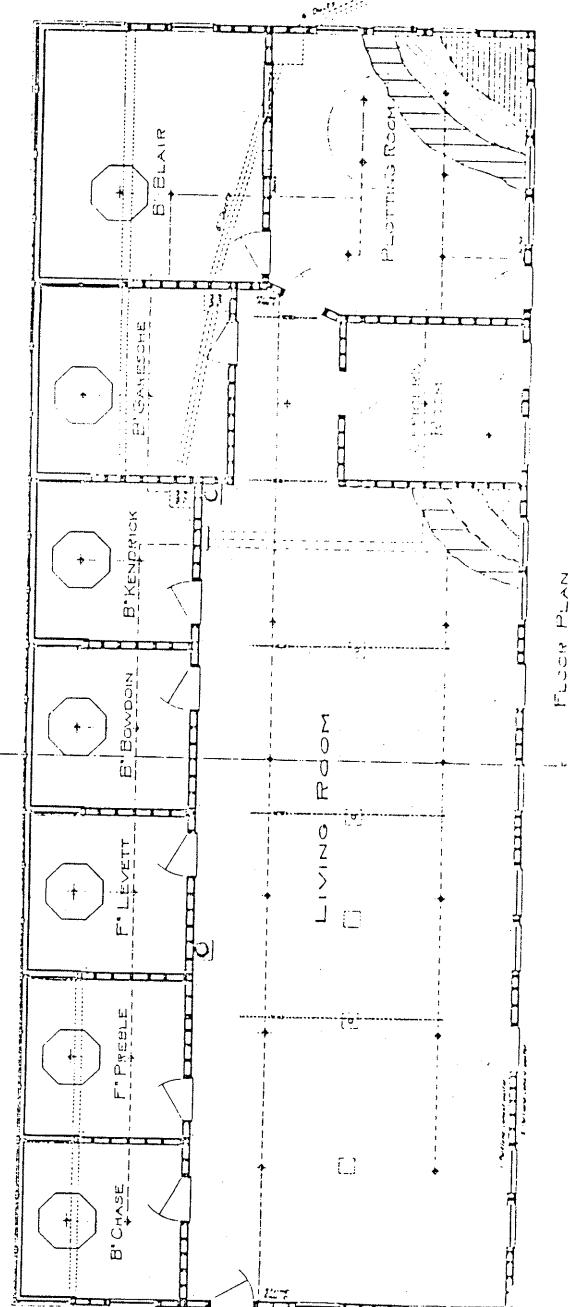
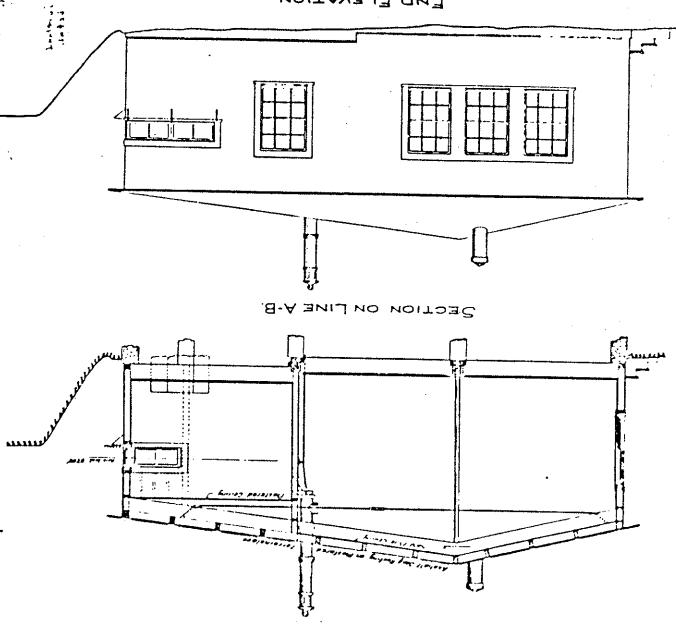
Gen. J. W.
Lieut. General Corps of Engineers U. S. Army

Note
No note should be made on any or all of the material
necessary for carrying out the objects of the Command
of Engineers - War Department and Commandant of the
Coast Guard.

War Department
J. G. O., 1908.
Approved.
William D. Brewster
Secretary of War.

10-379
46





FORT WILLIAMS

PORTLAND HARBOR, MAINE

COMBINED PRIMARY AND SECONDARY STATION

Scale 1"-1'-0"

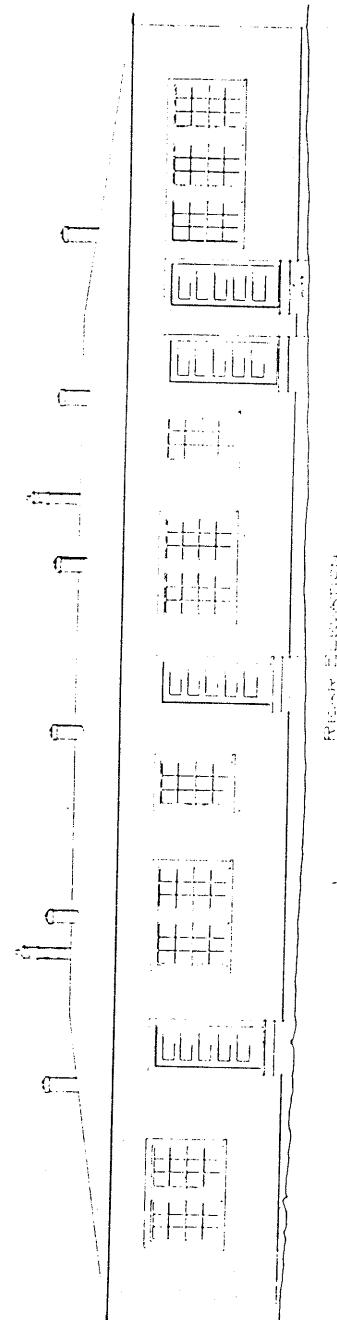
Approved
John G. Schaff
Acting Secretary of War.

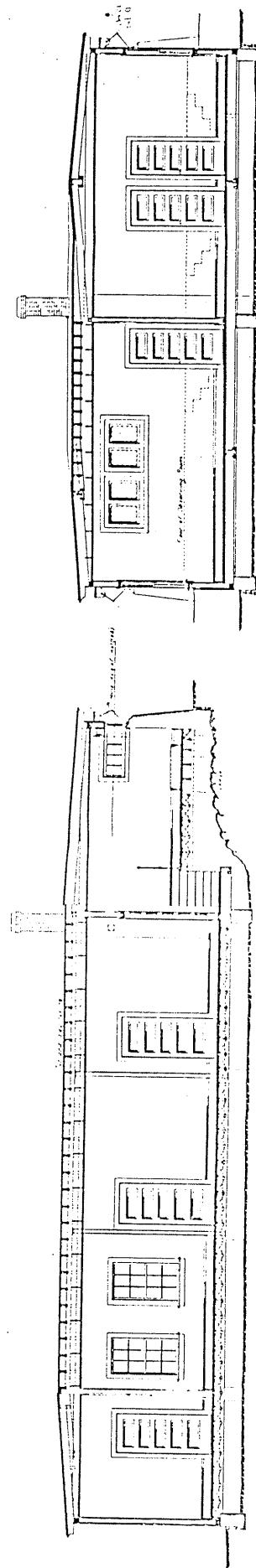
Office Chief of Engineers.

U. S. Army
November 6, 1907.
Respectfully submitted to the
Secretary of War with recommenda-
tion for approval.

C. C. C.
Brig Gen., Chief of Engineers,
U. S. Army.

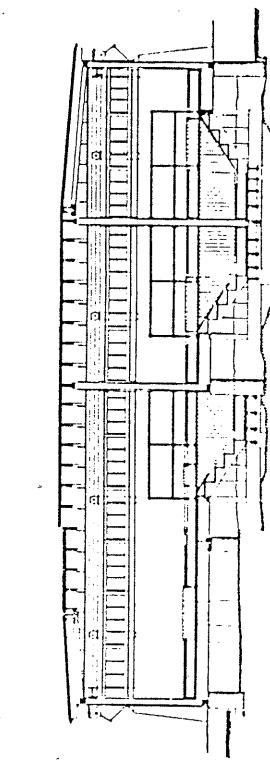
Approved
John G. Schaff
Acting Secretary of War.



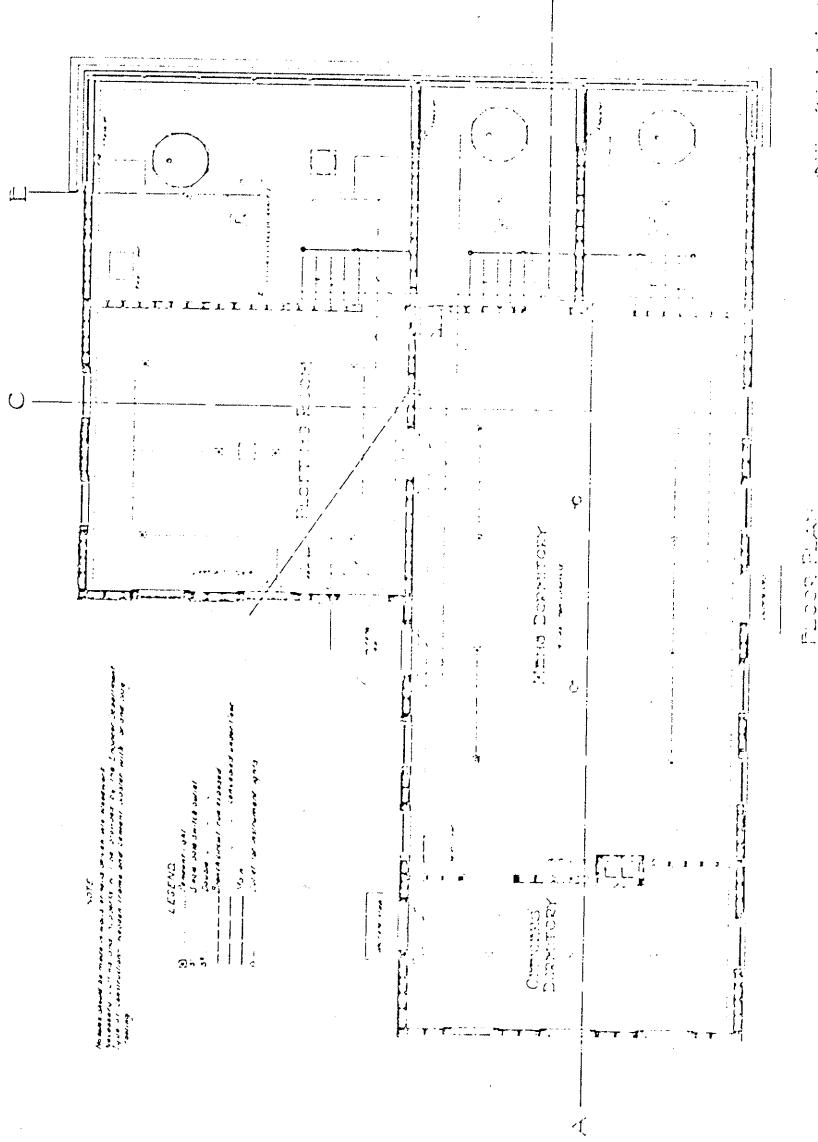


SECTION ON A-2-B

SECTION ON C-D.



SECTION ON E-1-2-F



PEAKS ISLAND
PORTLAND HARBOUR, ME.
COMBINED RANGE FINDING STATION.

SCALE 1 IN. = 10'-0"

(Handwritten notes and signatures follow)

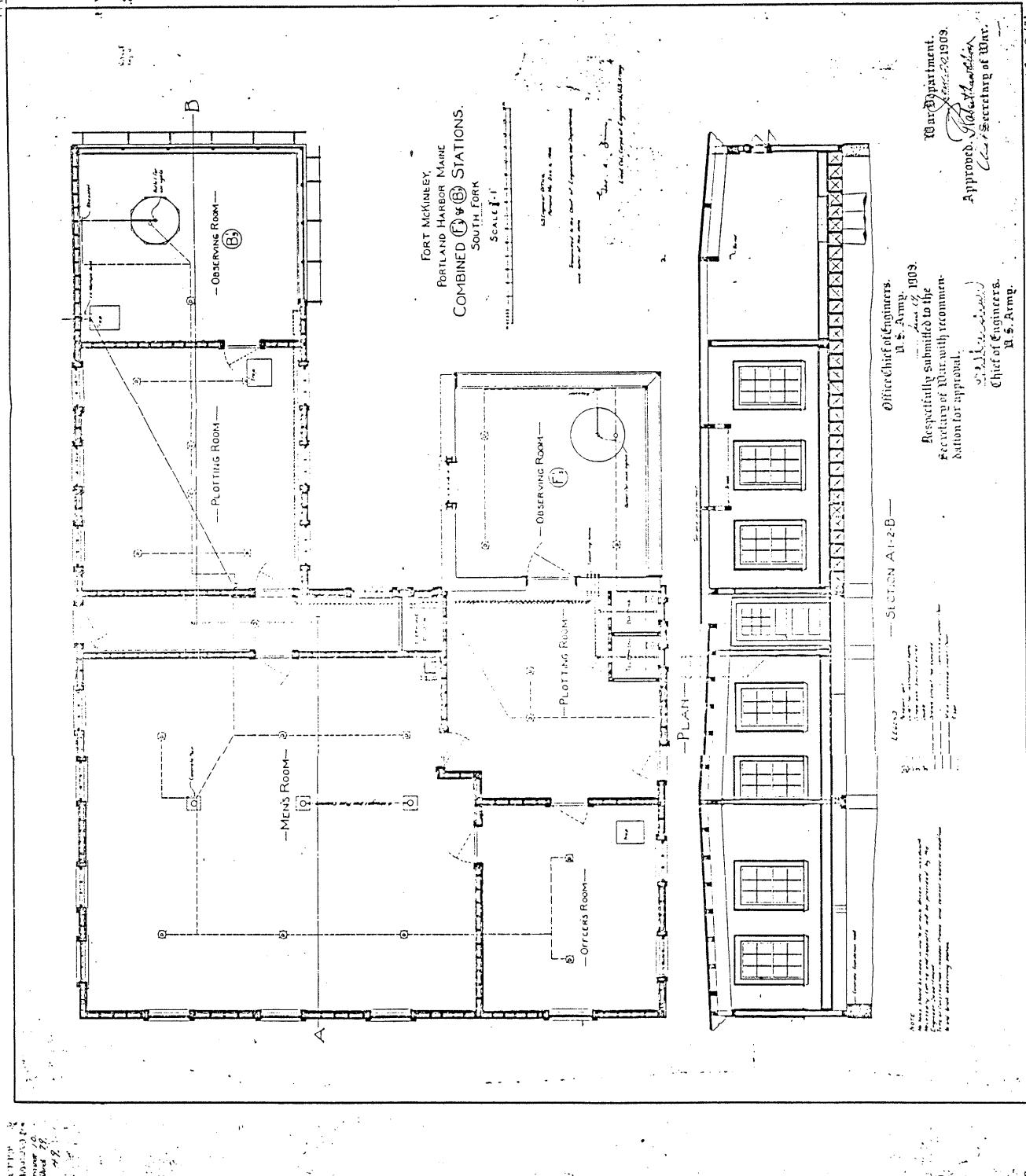
Approved, *[Signature]*
J. J. [Signature]
Chief of Engineers,
U.S. Army, *[Signature]*
Portland, Me., June 22, 1900.

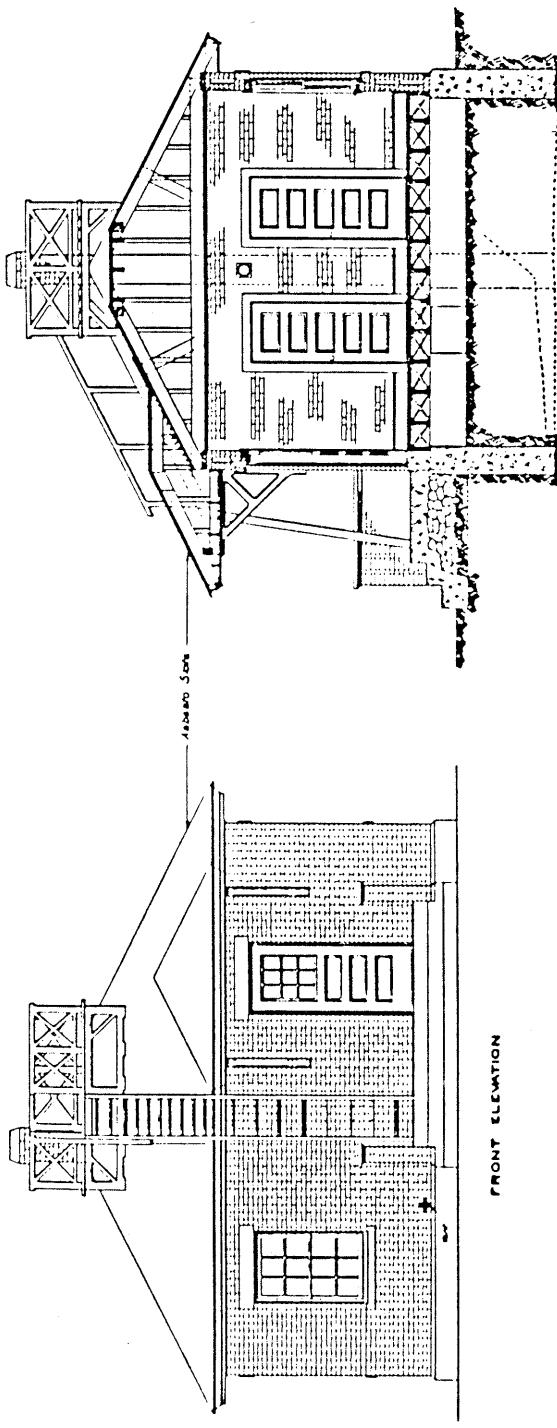
War Department,

Approved, *[Signature]*
J. J. [Signature]
Secretary of War.

U.S. Army, *[Signature]*

21





SECTION ON C-D

LEGEND.

- Ambient light
- — Ceiling
- S — Single pole switch outlet
- S' — Double
- Branch circuit run exposed.
- Main circuit run concealed under floor.

NOTE.
Holes should not be made in masonry, nor nests driven into woodwork
necessary cutting and opening will be performed by the Engineer Department
for communication - obtain

FORT LEVETT
PORTLAND HARBOR, ME.
DISTRICT SIGNAL STATION

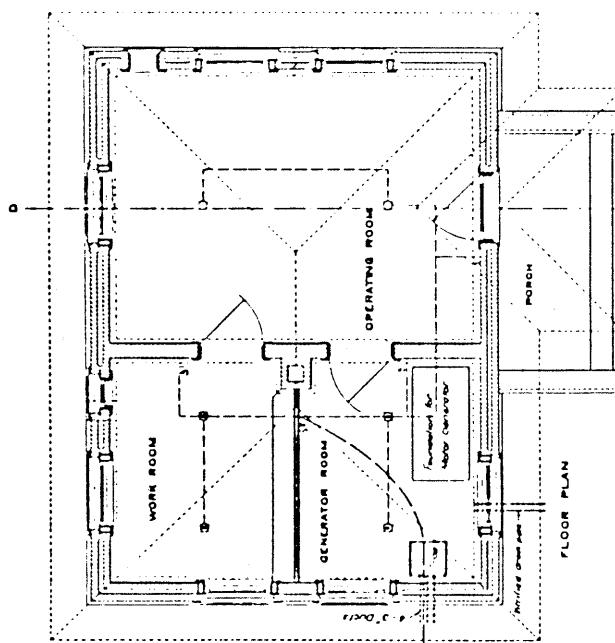
SCALE : 1 IN. = 1 FT.

U.S. Engineers Office Portland Me July 12, 1908
Transmitted to the Chief of Engineers, War Department
with letter from me on
Gen. J. S. Sims
Lieut. Col. Corps of Engineers, U.S. Army

War Department,
August 6, 1909.

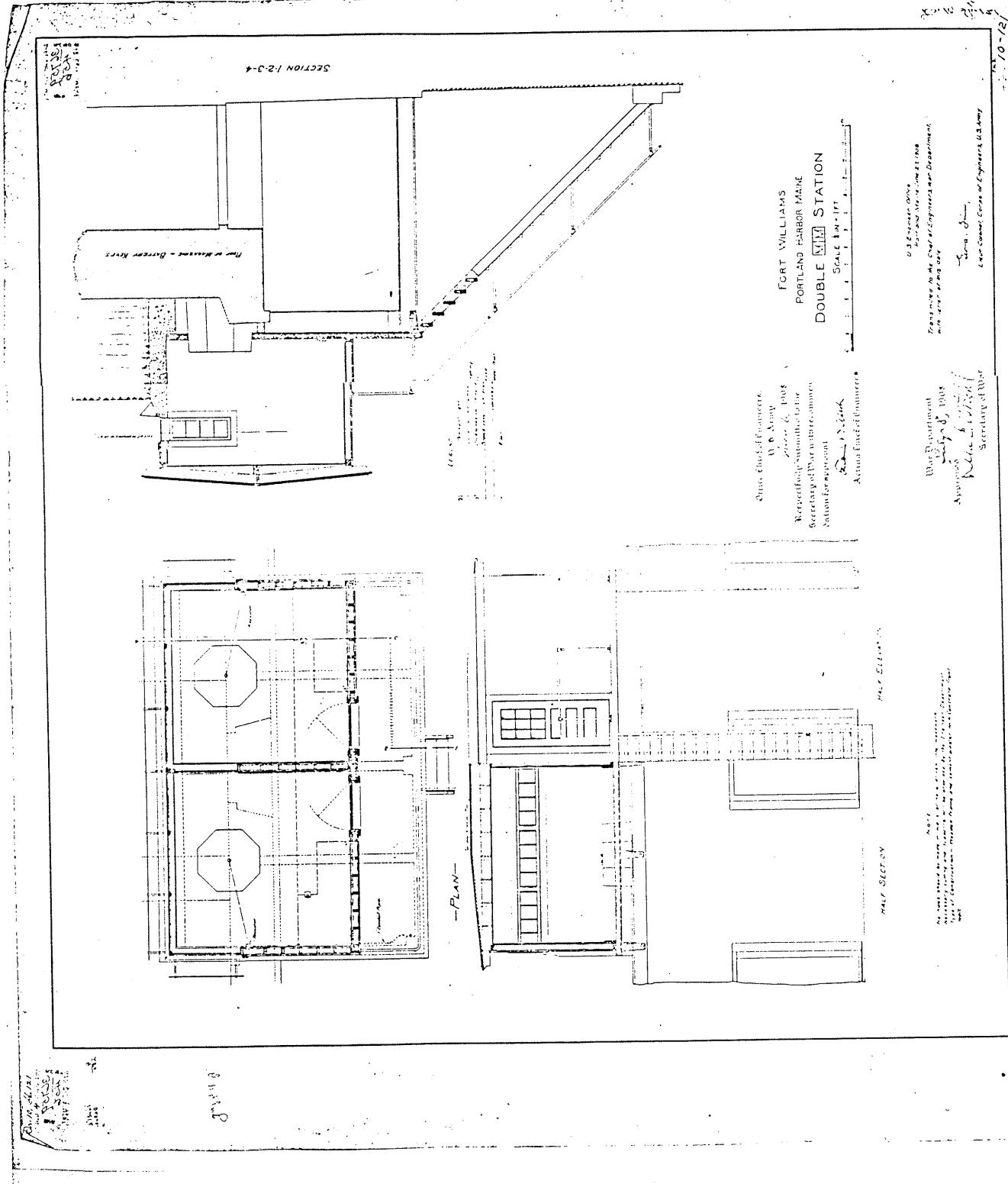
Approved, J. S. Sims,
Assistant and Chief Clerk
Former Secretary of War, in his absence.

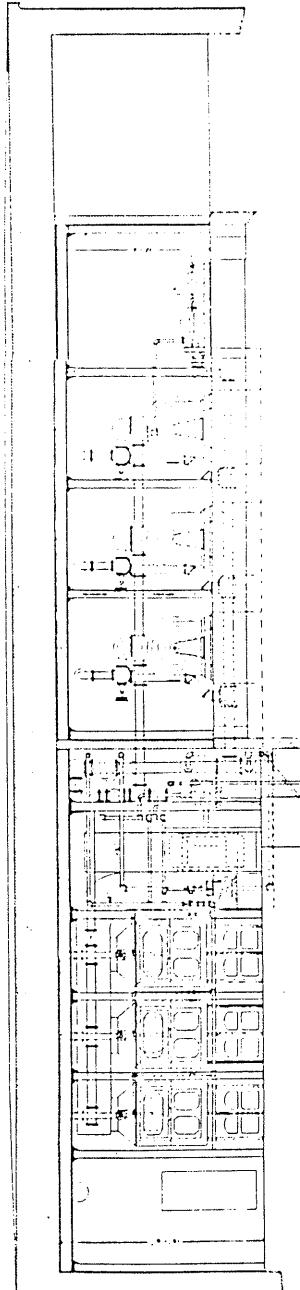
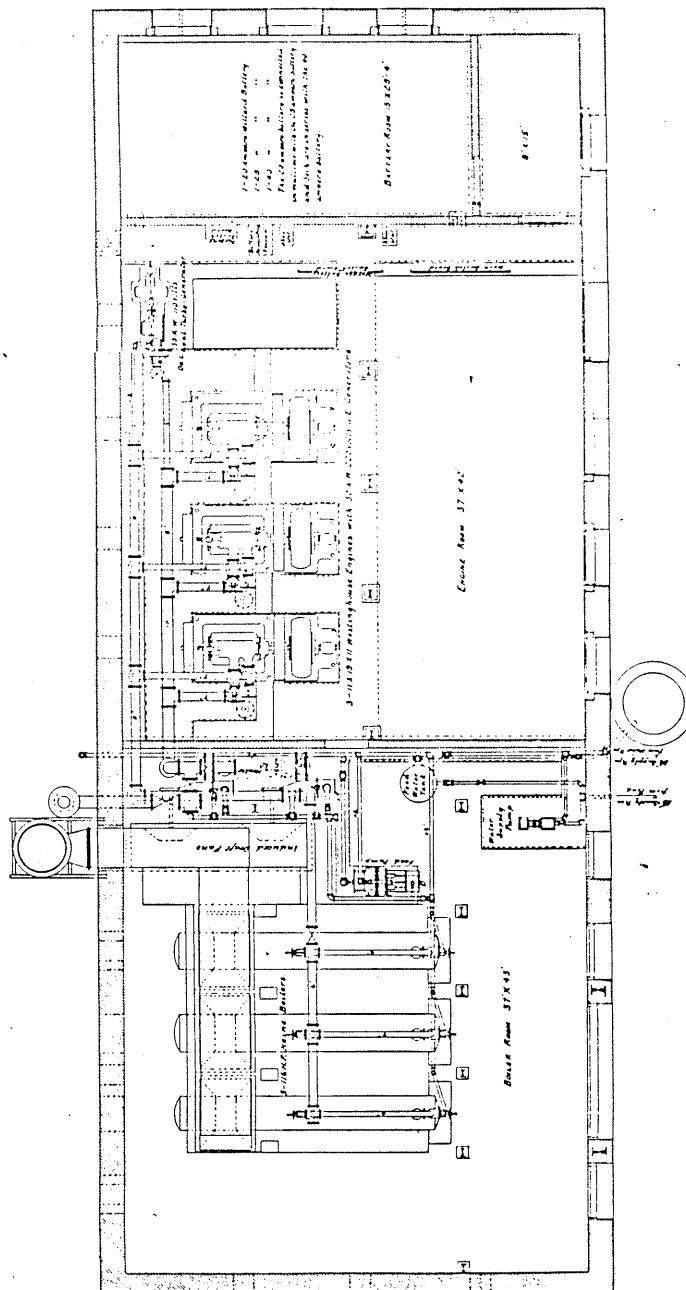
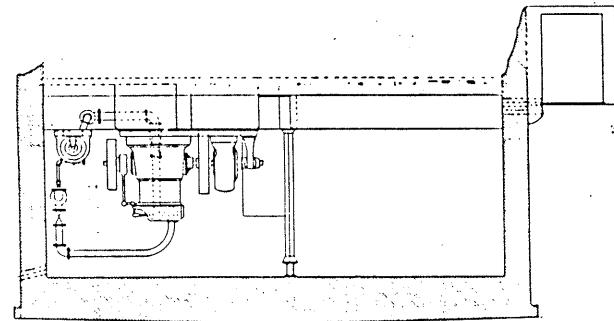
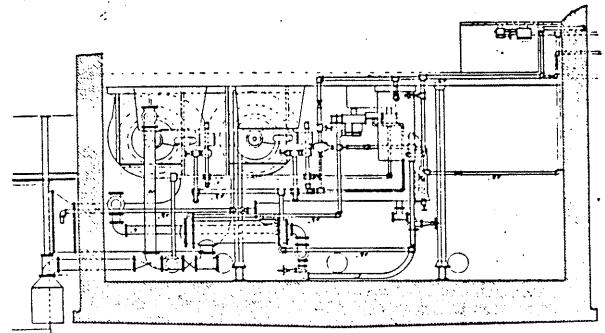
Acting Chief of Engineers,
Gen. J. S. Sims



Office Chief of Engineers,
U. S. Army,
August 6, 1909.

Respectfully submitted to the
Secretary of War with recommenda-
tion for approval.





Notes and Instructions for the care of the Electric Plant.

1. We believe that the regular and systematic review should be allowed to continue on the plane.
 2. Standardized infectious surveillance by medical officers should follow in the operation and care of all patients.
 3. Standardized infectious surveillance by medical officers, laboratory and storage facilities will be found in most health care facilities.
 4. The general public should be educated about the importance of regular preventive measures and especially as they relate to personal hygiene.
 5. The development of a clearly defined and well-organized system for tracking disease outbreaks.
 6. The development of a clearly defined and well-organized system for tracking disease outbreaks.
 7. The use of Turkeys and Pheasants to control 1-10 nests and 1-10 nests respectively. The flock may affect disease transmission.

Office of the Secretary of Engineers,
U. S. Army,
January 29, 190
Respectfully submitted to the
Secretary of War, with recommenda-
tion for approval.

~~Academy~~
Brig Gen, Chief of Engineers,
U.S. Army

Approved. *S. S. C. S.*
Secretary of the
Senate

10-093-12

89

U.S. Commerce Service
Books and Serials Section
Government Printing Office
Washington, D.C.
1936

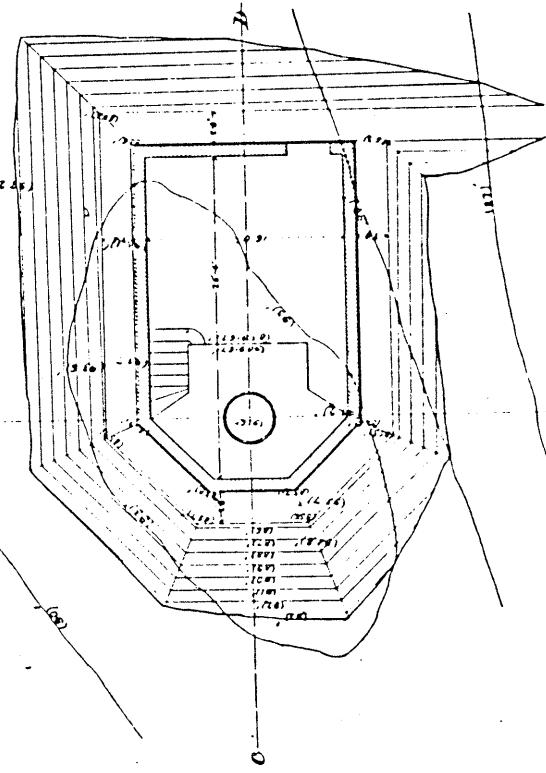
Fort McKNIGHT

Brainerd 10
Sheet 90

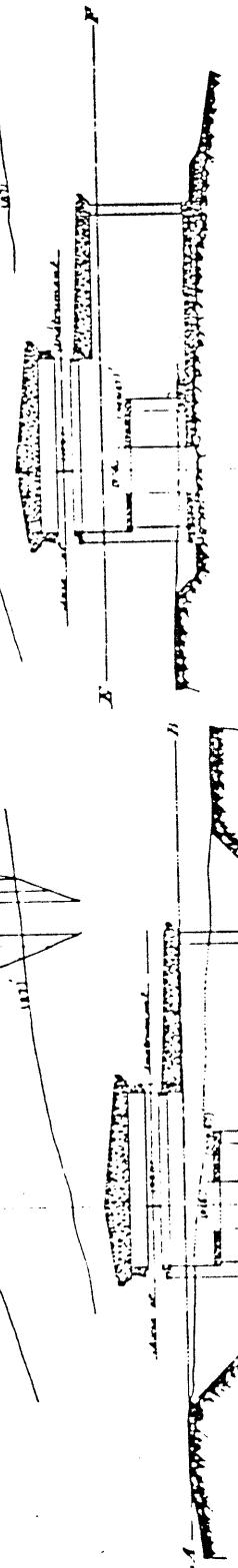
Horizontal Section and B

Horizontal section on E-F

四



A detailed technical drawing of a horizontal section of a building, labeled "Horizontal section on EF". The drawing shows a multi-story structure with various rooms, a central circular feature, and a staircase. It includes dimensions, labels like "H" and "G", and a small inset drawing of a staircase.



Vertical Section on C-D
Fig. 2 Sketch of station with Axis of Instrument
at Elevation 1002 as it will be built

*Fig. 1 Sketch of Station with their
various features proposed.*

PORTLAND JOURNAL

FIRE COMMANDER STATION

NORTH FORK

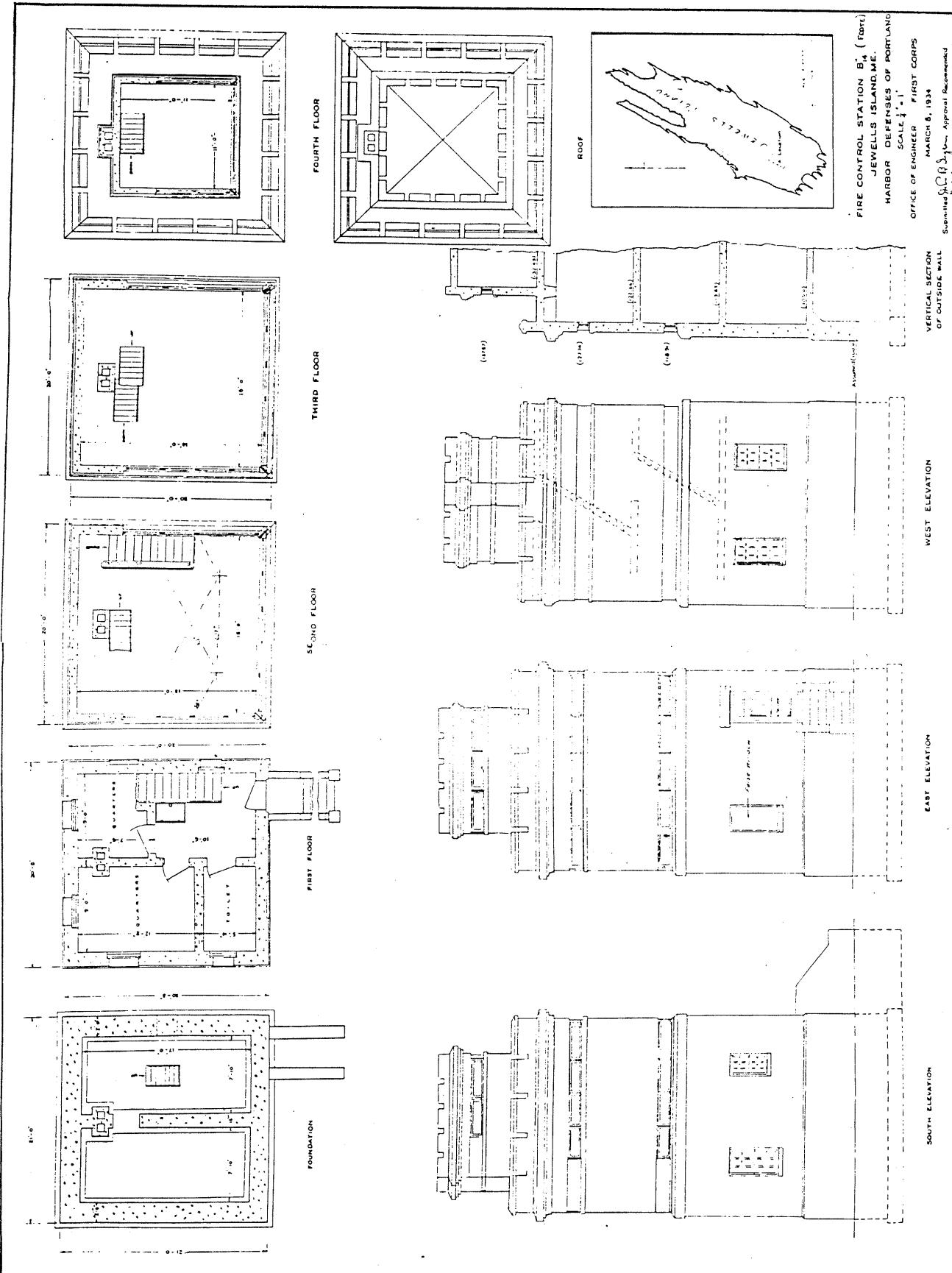
Scale 1:4' 39
25 26 27

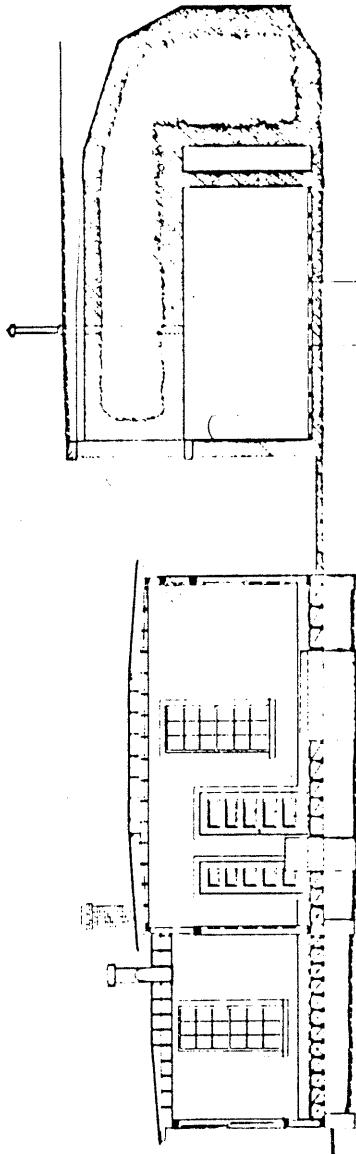
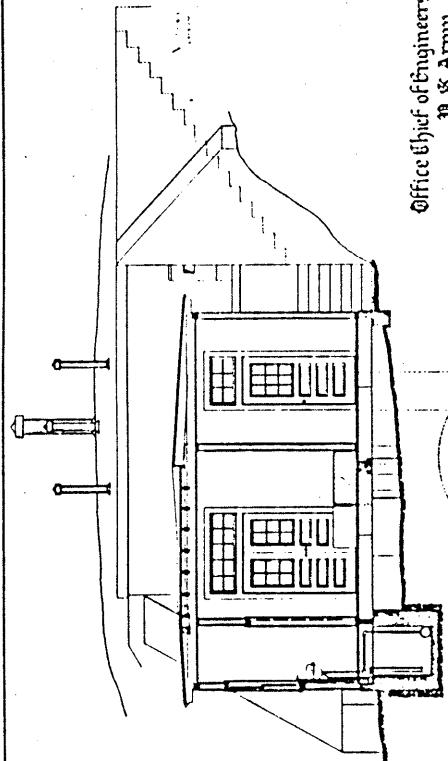
T.S. Engineer Office
Portland, Me.

Transmitted to the Chief of Engineers U.S.A. with endorsement
Aug. 1-1902

S. W. Scoville

Mitglieder- und Beobachterverein, Tübingen





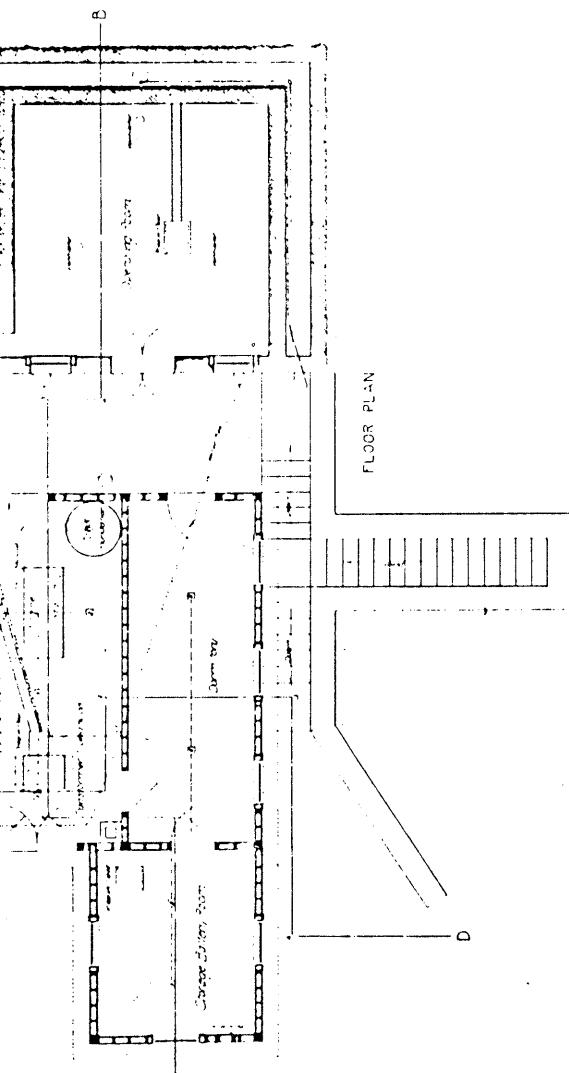
SECTION ON A-1-2-3-4-B

CABLE GALLERY

Office of Chief of Engineers,
U.S. Army,
March 6, 1900
Respectfully submitted to the
Secretary of War with recom-
mendation for approval.

Acting Chief of Engineers.
[Signature]

SECTION ON C-1-2-3-4-O

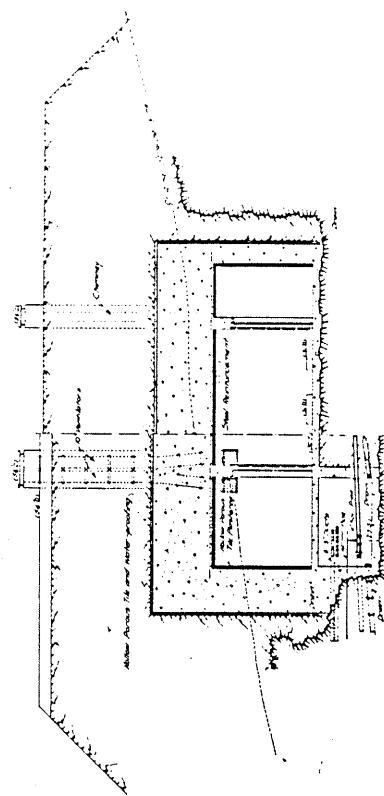


Chief of Engineers,
U.S. Army,
March 6, 1900
Approved,
for the Secretary of War
in his absence.

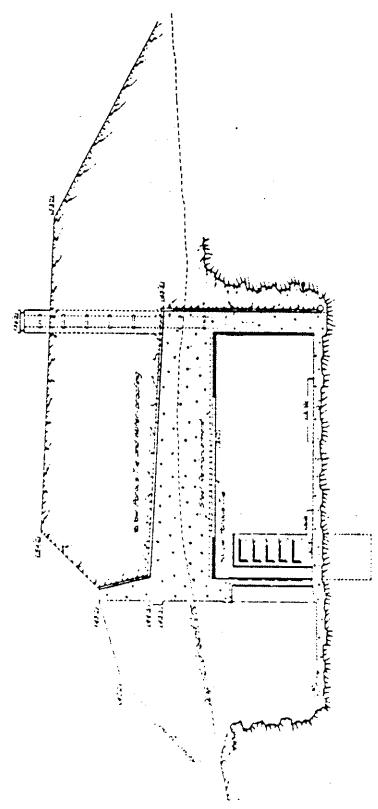
FORT MCKINLEY
PORTLAND HARBOR VT
MINING CASEMATE
NORTH TORK
SCALE 1 IN. = 1 FT

Architect
Engineer
and
Surveyor
of
the
Army

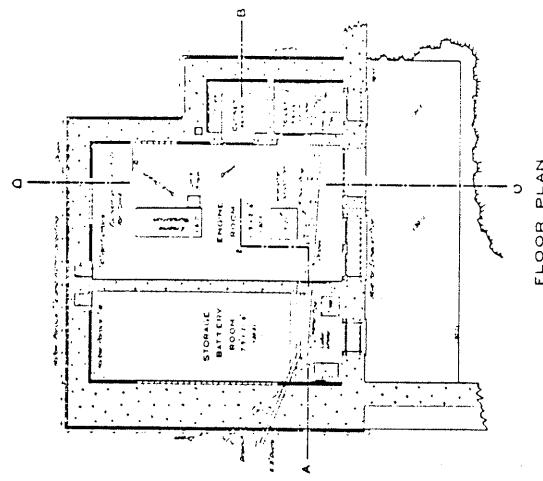
1050
7-12
10-12



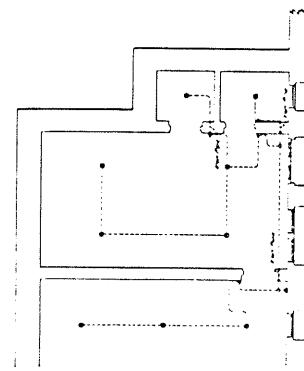
SECTION A-12: B



SECTION C-8



FLOOR PLAN



ESTATE PLANNING

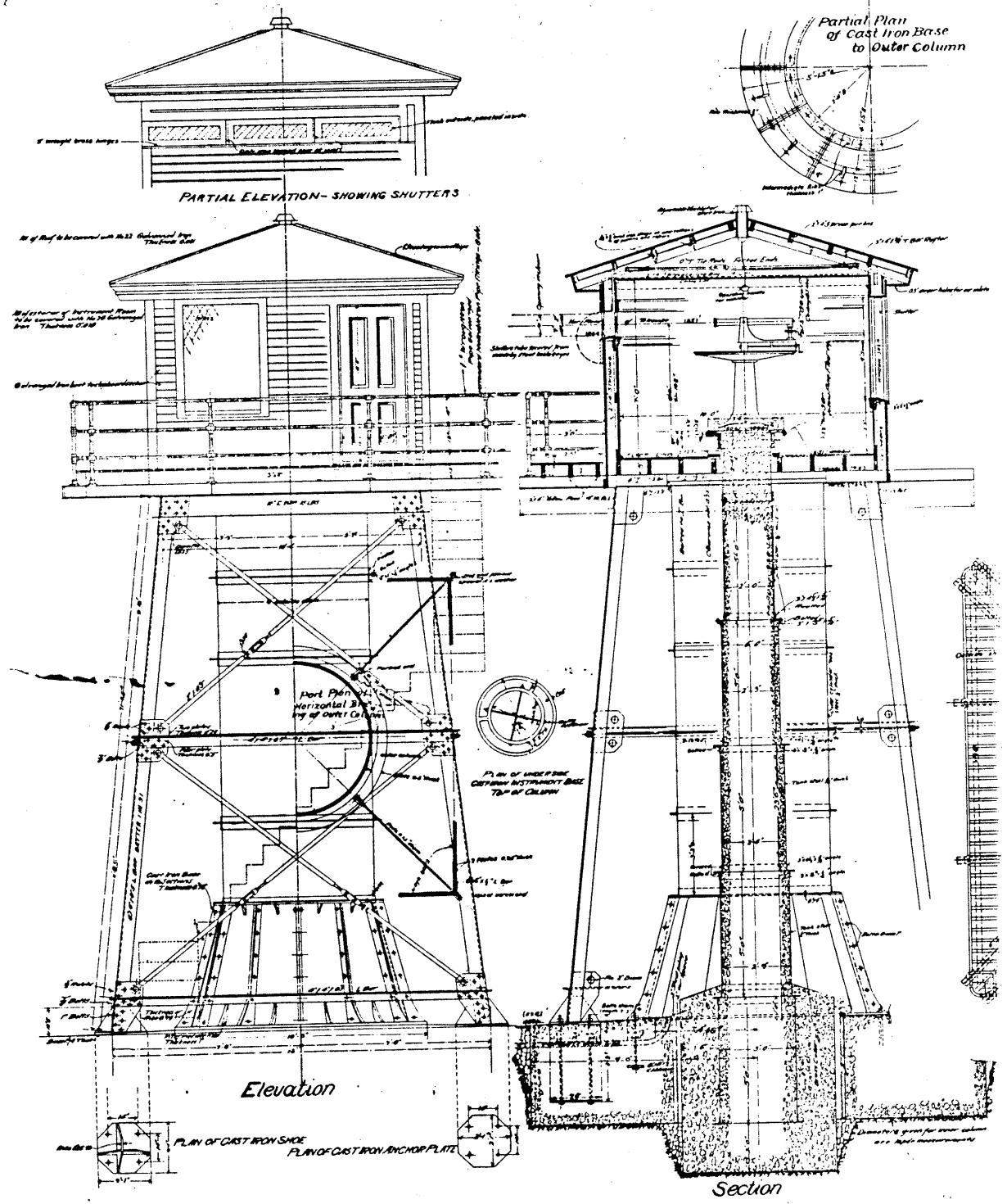
FORT MCKINLEY, ME.
MINING CASEMATE

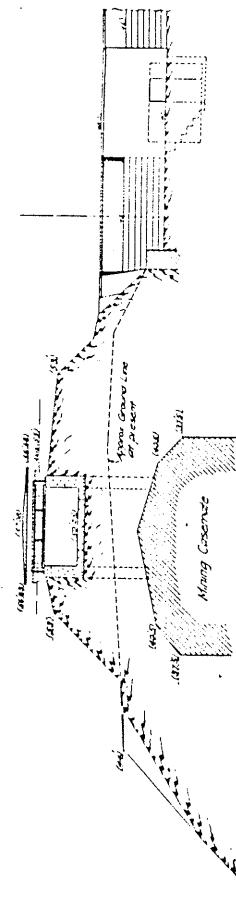
NORTH FORK

In 1 Street U.S. Eng. Office Portland, Me. May 18, 1920.
 Submittal
 Approved recommendations
 S. G. Lovell, Acting Director
 U.S. Geol. Survey
 U.S. Eng. Office
 Portland, Me.
 May 18, 1920.
 F. D. McKinley May 14, 1920
 Approved and signed
 and may 18, 1920.

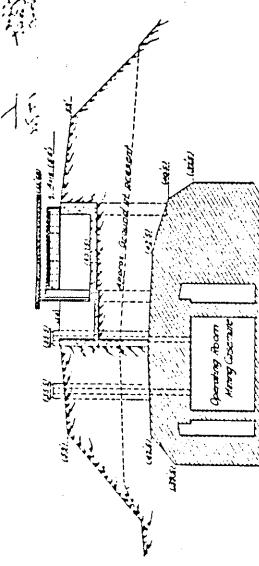
$$10 - 78 = 37$$

Drawer 12
Sheet 68

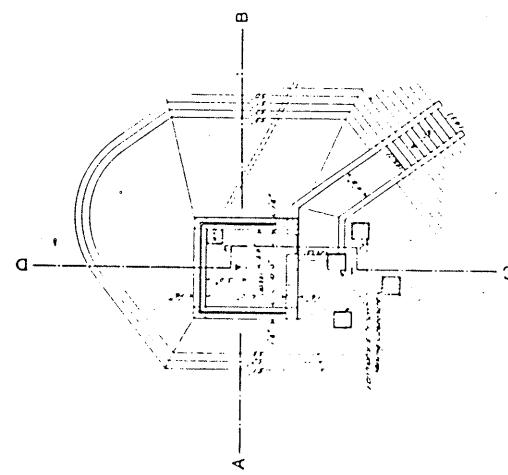
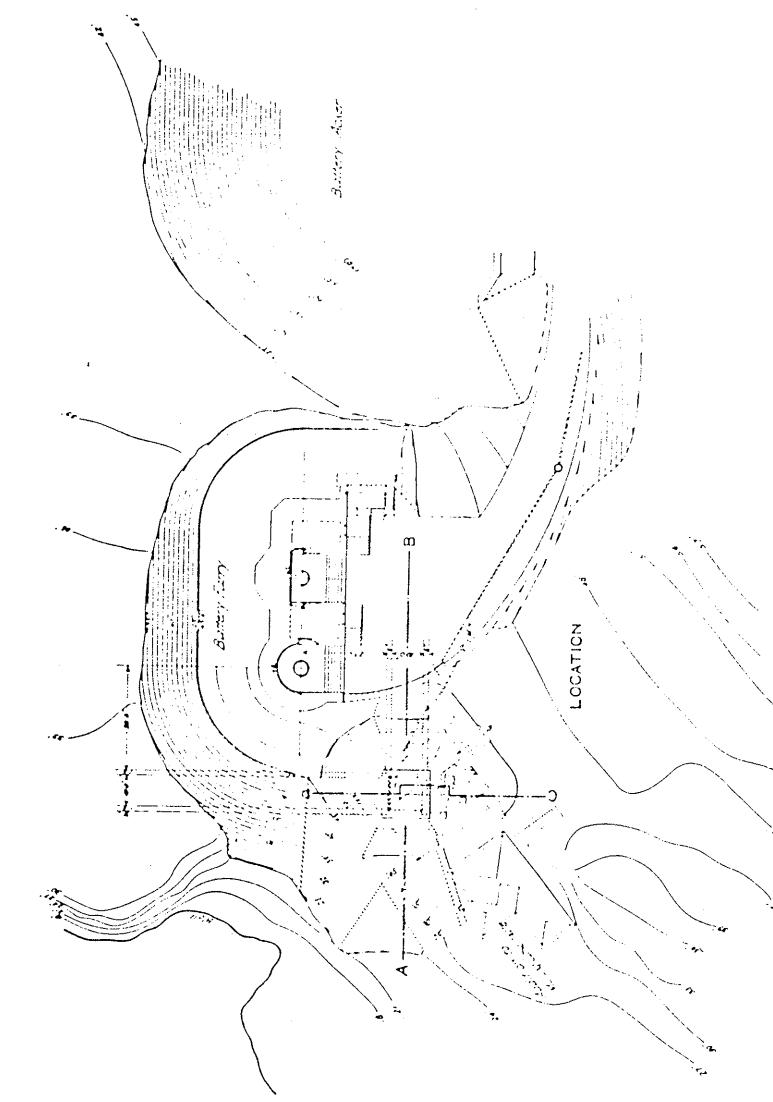




SECTION A-B



SECTION C-I-2-3-4-D

FORT MCKINLEY, ME.
BATTERY FARRY

In 1 Sheet
Scale 1 in. = 8 ft., or 20 ft.
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

U.S. Engineer Office, Portland, Me., Feb. 1, 1919.
Approved recommended.
S. G. Smith, Chief Engineer
Drawing by C. J. Smith
Tracing and ink, engraving
Ft. MCKINLEY 12-68
Scale 1 in. = 8 ft., or 20 ft.
Drawn Feb. 22, 1919

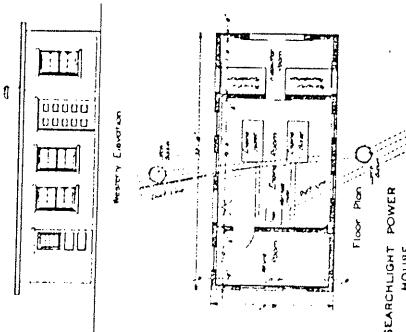
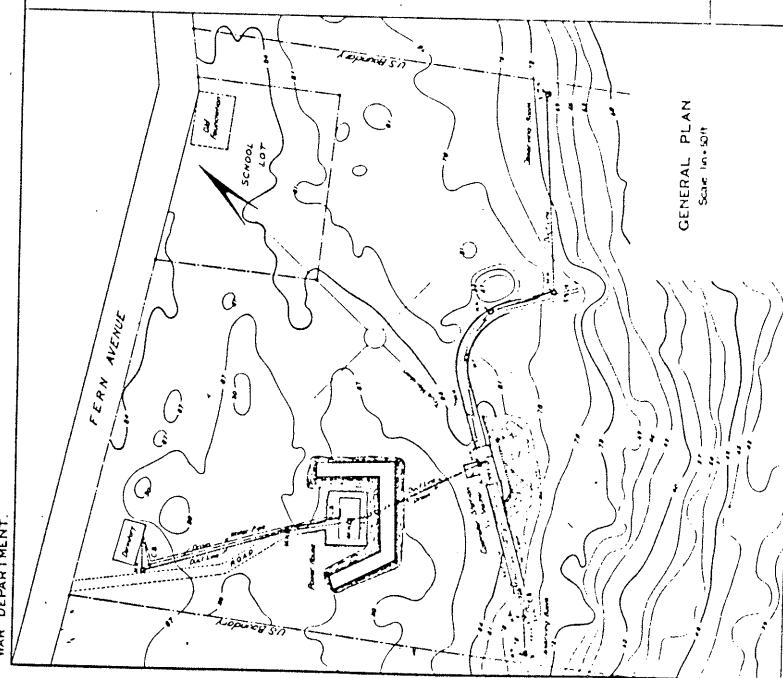
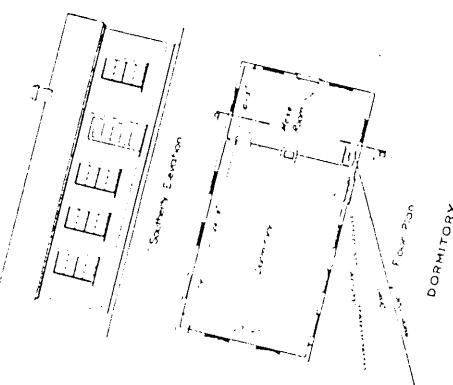
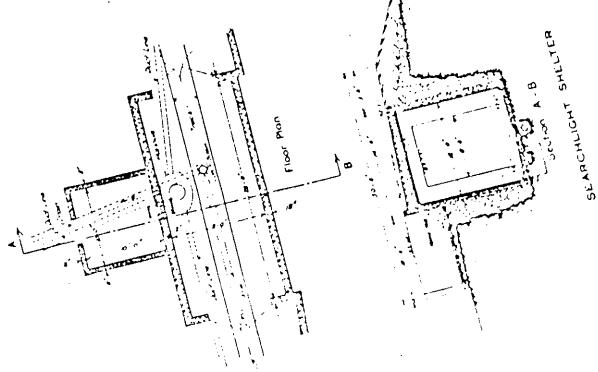
10-56-15

War Department.

AER DEPARTMENT.

CORPS OF ENGINEERS, U.S. ARMY.

CONST DATA



**LONG ISLAND
PORTLAND HARBOR, ME.
SEARCHLIGHT INSTALLATION**

In 1 Sheet AS CONSTRUCTED Scale In feet

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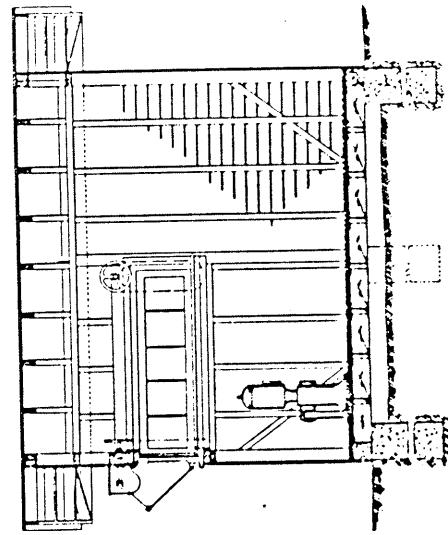
A. 9. 217.

6

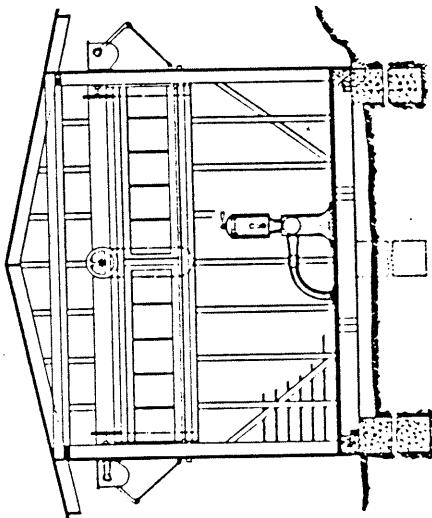
1

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100%
50%



SECTION ON A-8



SECTION ON O-O

SEARCHLIGHT OBSERVING STATION

BOSTON AND HARBOR. ME.

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EIGHT OBSERVING STATION

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FLOOR PLAN

Legend

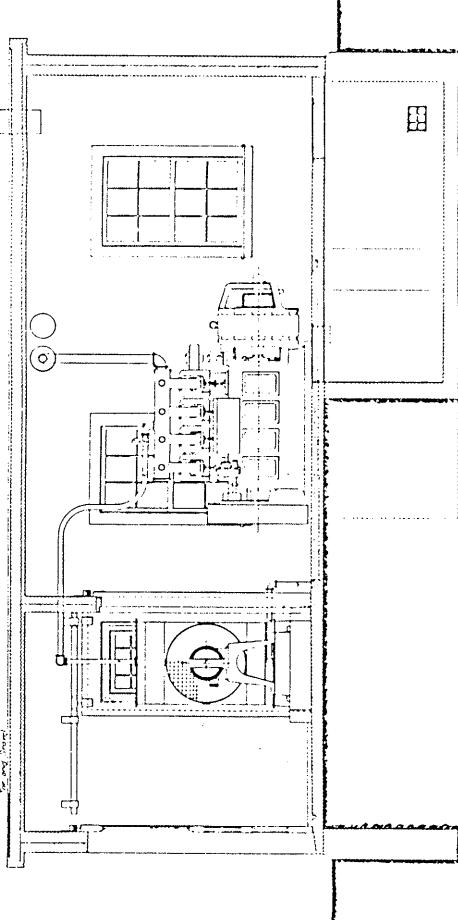


Lignite	—
Sandstone	—
Marl	—
Chert	—
Coral	- - -

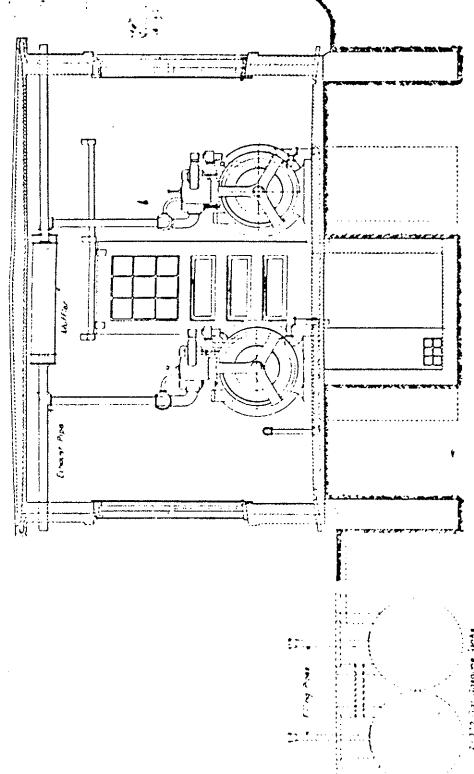
U.S. Surgeon Office, Portland, Me., Sept. 1, 1840
Transmitted to the Chief of Engineers, War Department
with copy of the order *Luna. Dime*

10-99
15

1932



SECTION ON A-B



SECTION ON C-D

Office of Chief of Engineers

U. S. Army

January 22, 1911.
Respectfully submitted to the
Secretary of War with recom-
mendation for approval.

Franklin D. Roosevelt
Acting Chief of Engineers.

War Department,
January 23, 1911.

Approved—
John T. Alderson
Secretary of War.

PEAK'S ISLAND
PORTLAND HARBOR ME.
SEARCHLIGHT POWER HOUSE

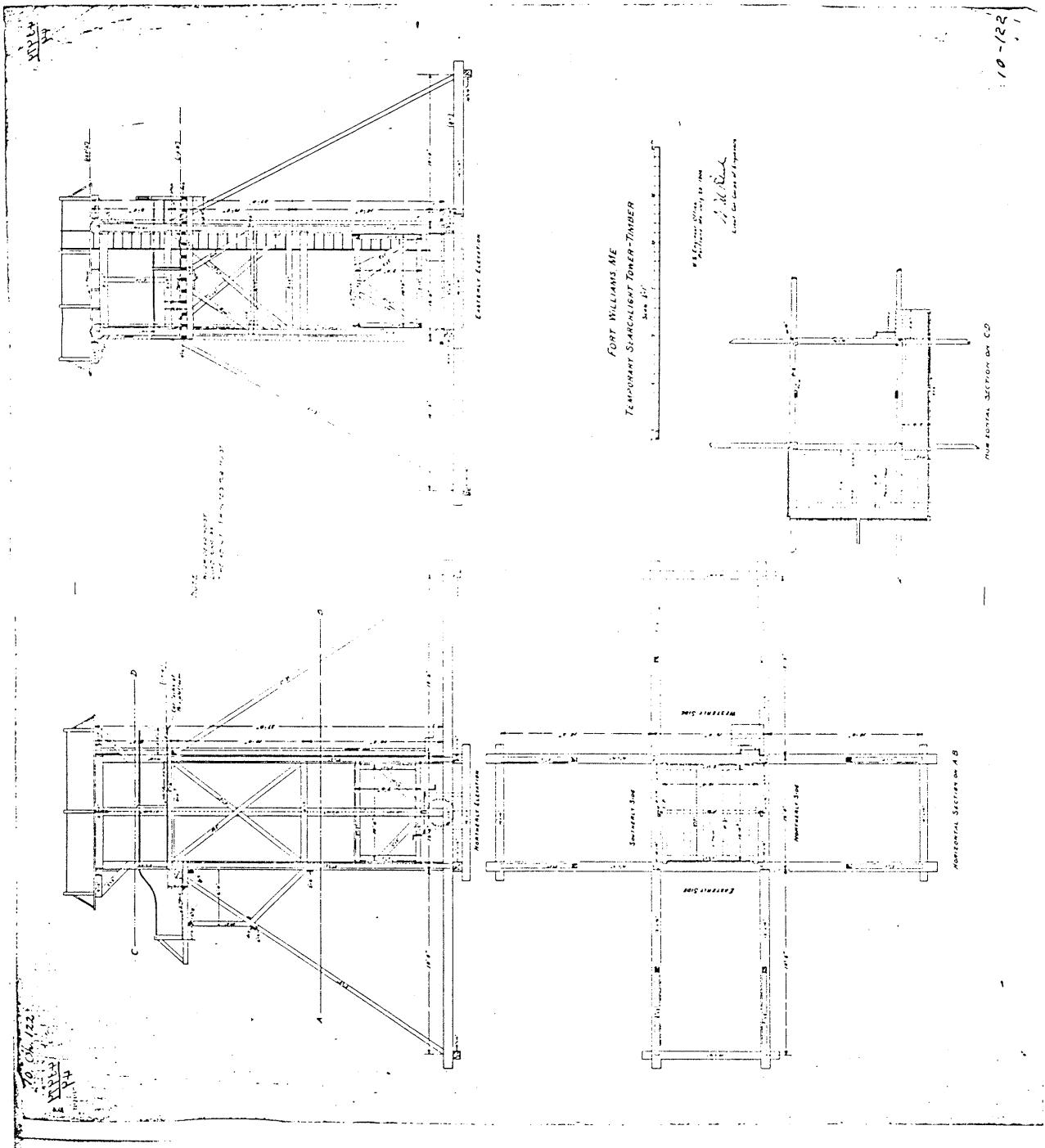
Scale 1 in. = 100 ft.

F. C. G. 2-49

NOTES AND INSTRUCTIONS:
1. All dimensions given in feet
and inches. All dimensions given
in feet and inches are to be taken
from the outer face of the exterior
wall.

2. All dimensions given in feet
and inches are to be taken
from the outer face of the exterior
wall.
3. All dimensions given in feet
and inches are to be taken
from the outer face of the exterior
wall.
4. All dimensions given in feet
and inches are to be taken
from the outer face of the exterior
wall.
5. All dimensions given in feet
and inches are to be taken
from the outer face of the exterior
wall.
6. All dimensions given in feet
and inches are to be taken
from the outer face of the exterior
wall.
7. All dimensions given in feet
and inches are to be taken
from the outer face of the exterior
wall.
8. All dimensions given in feet
and inches are to be taken
from the outer face of the exterior
wall.

F. C. G. 2-49

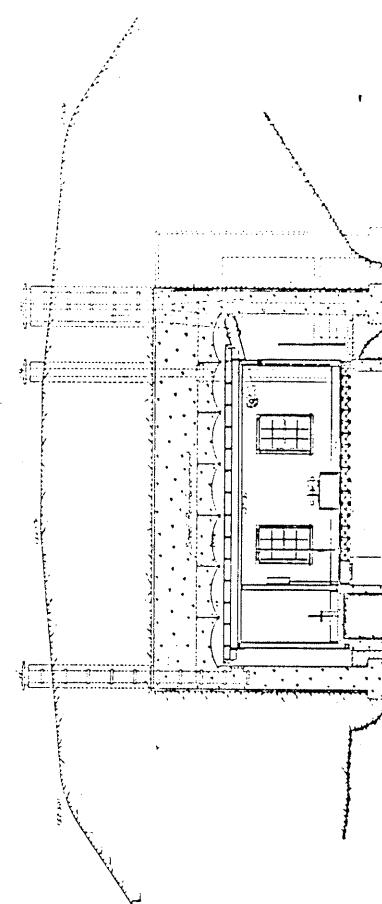


101
U.S. ENGINEERS
CORPS OF ENGINEERS, U.S. ARMY
WAR DEPARTMENT

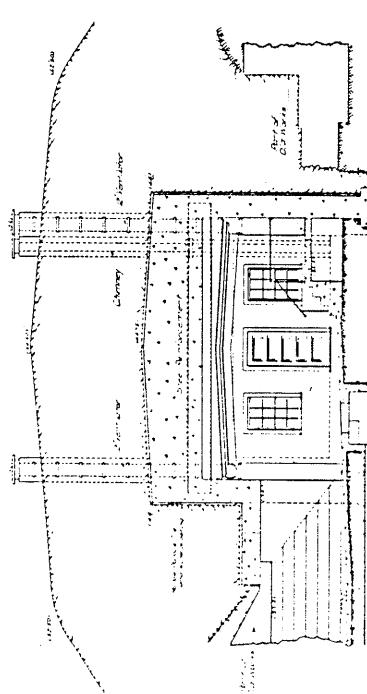
Scale 1:100

Sheet No. 1

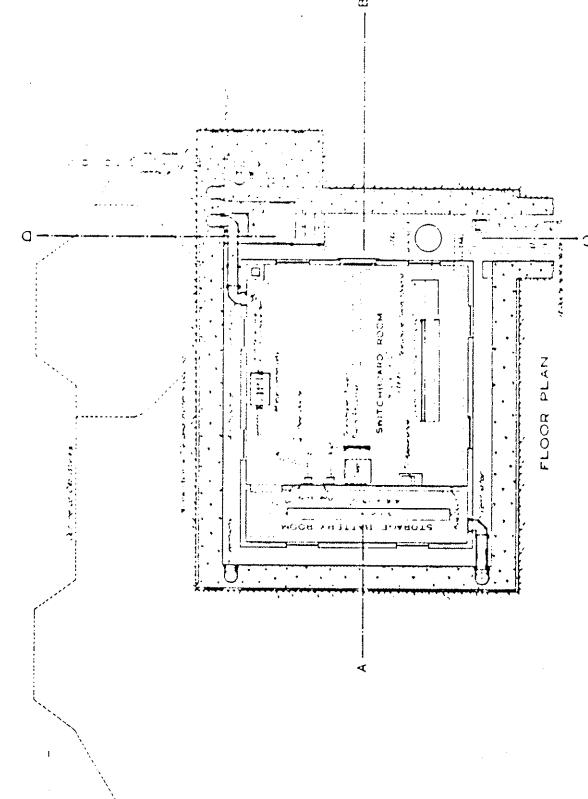
10-119-9



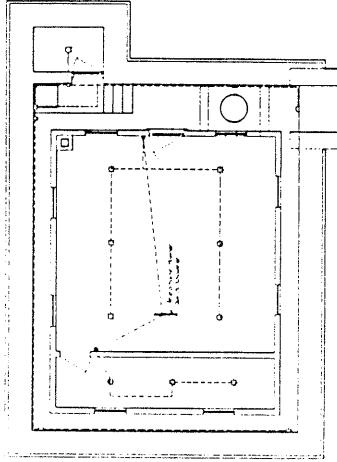
SECTION A-B



SECTION C-D



FLOOR PLAN



ELECTRIC LIGHTING

FORT PEBBLE, ME.
SWITCHBOARD BUILDING

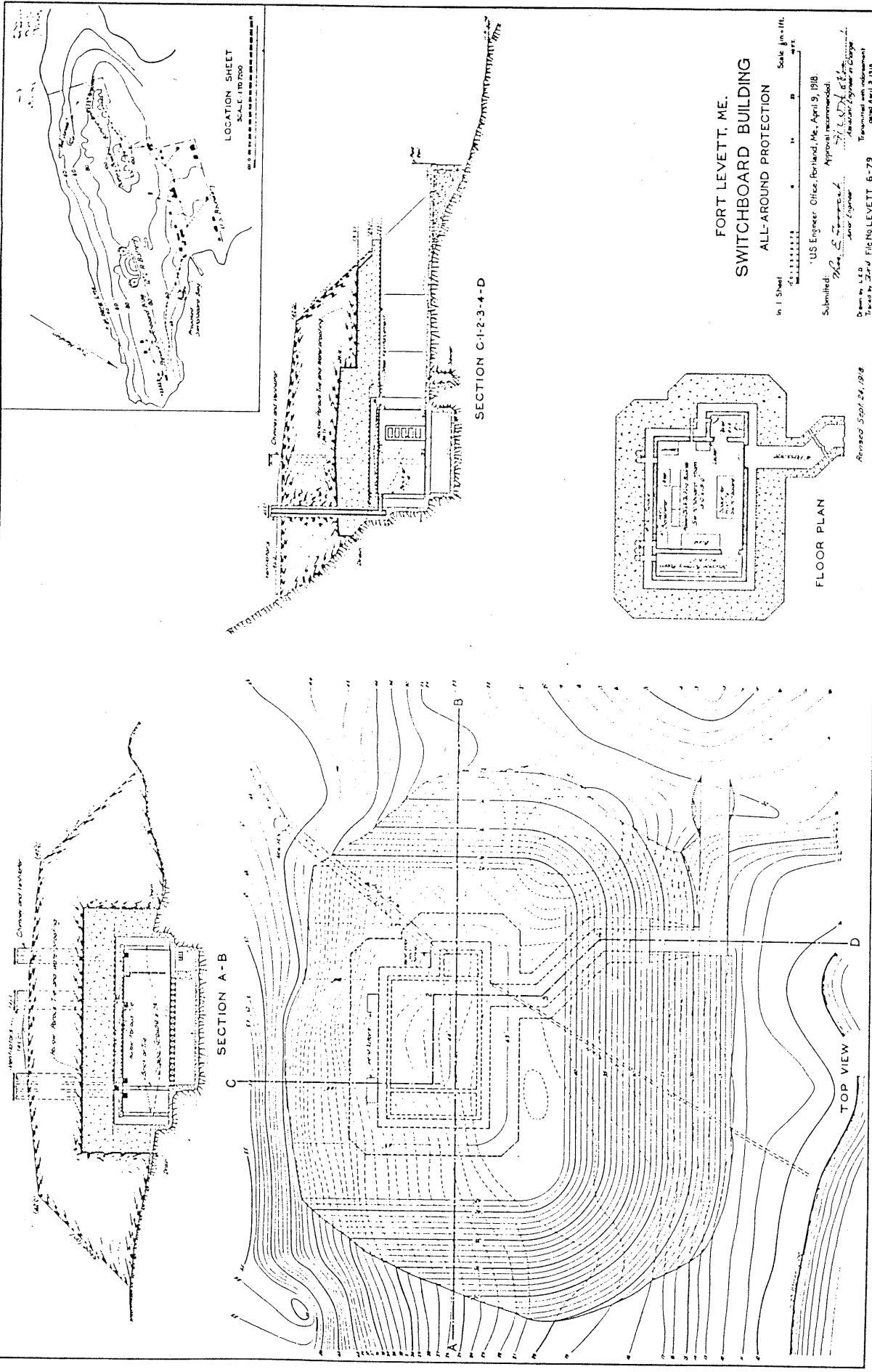
Scale 1:100
Sheet No. 1
U.S. Engineer Office, Portland, Me., Jan 1, 1910
Supervised by Lt. Col. Wm. H. Clegg
Dated Feb 15, 1910
Drawn by Eng. J. F. Clegg
Approved by Gen. M. L. Clegg
F. No. PEBBLE S-62

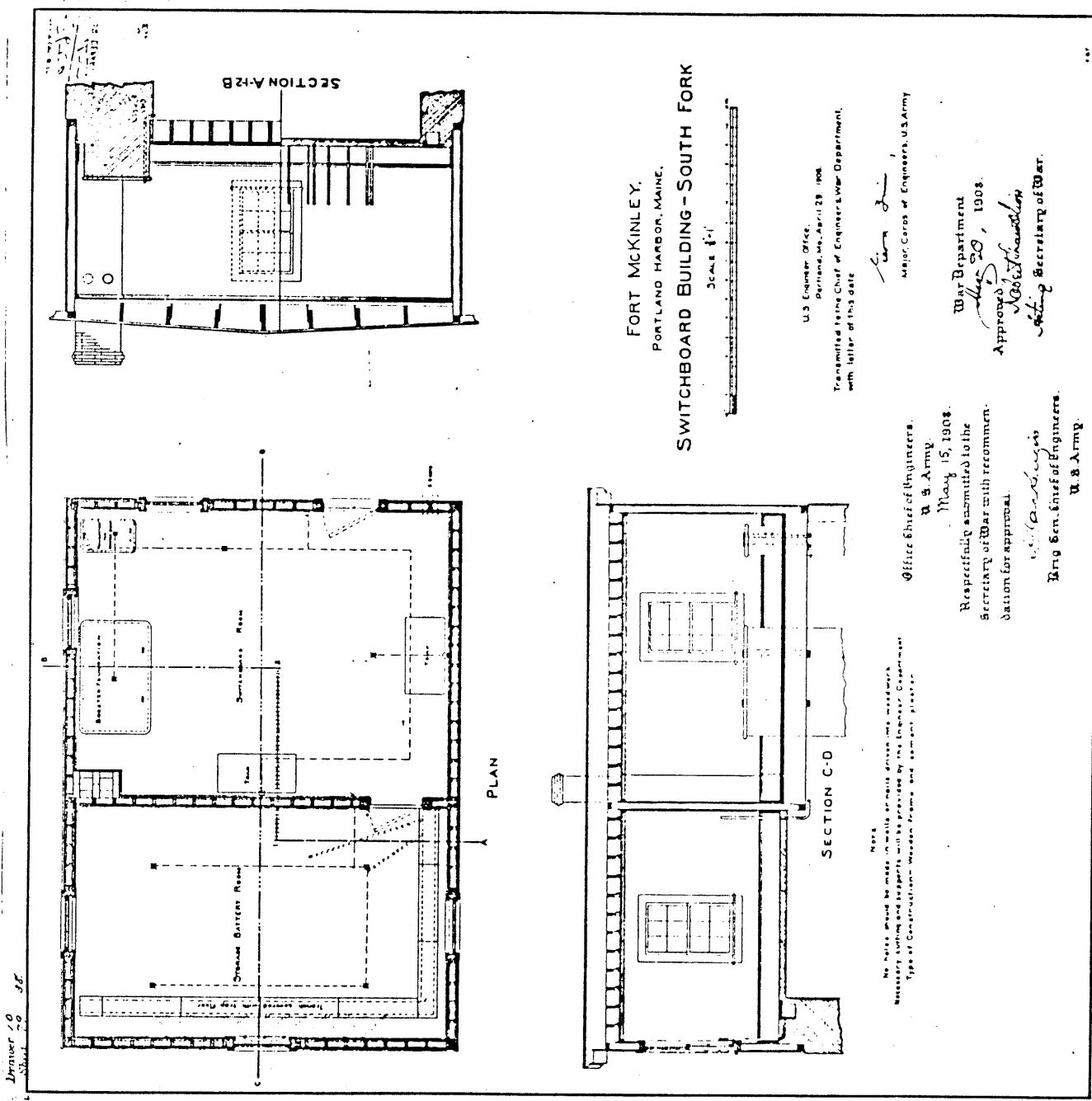
10-119-9

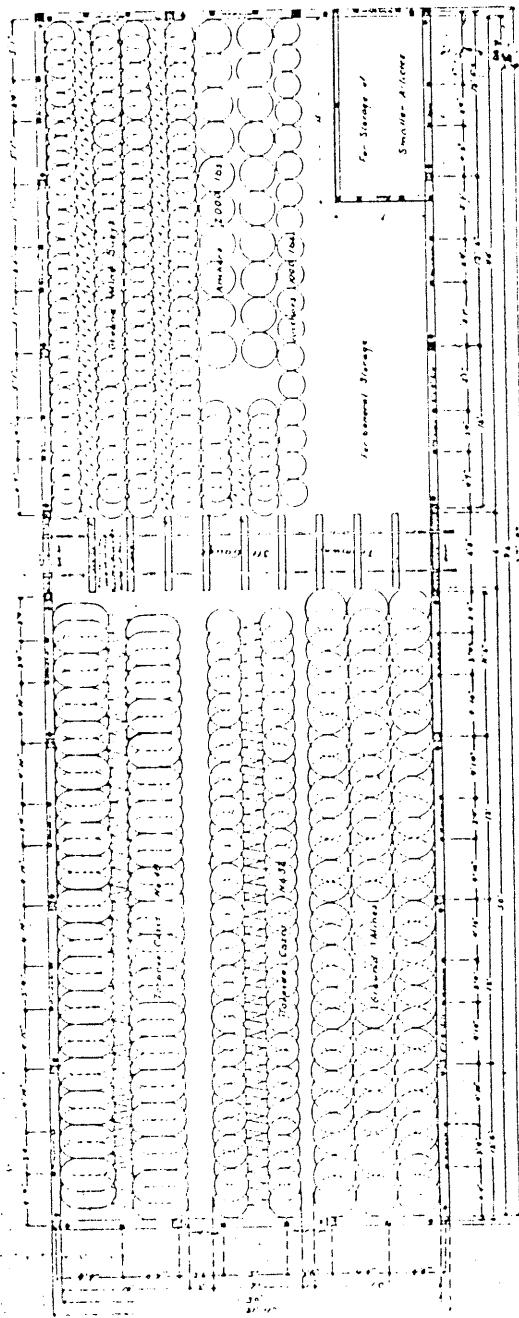
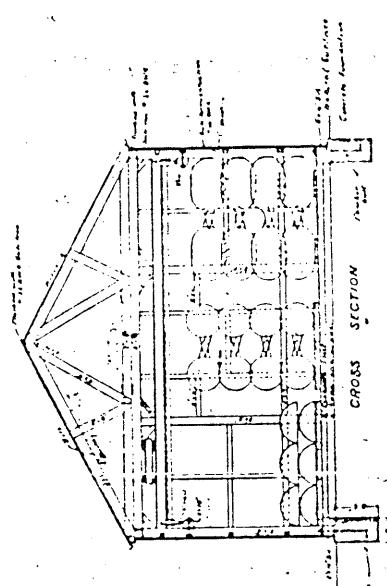
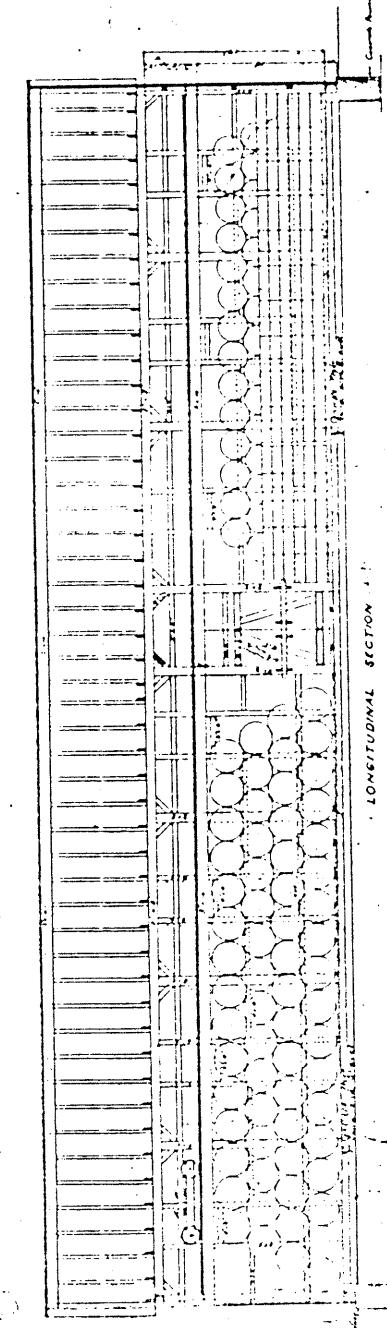
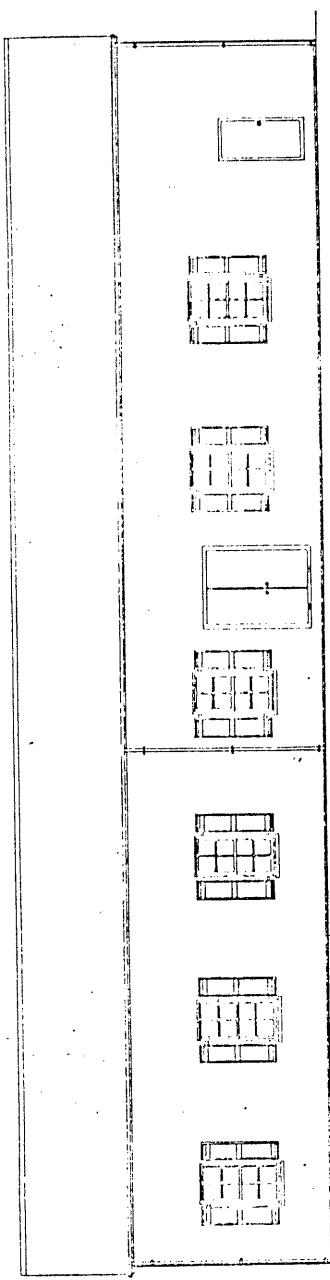
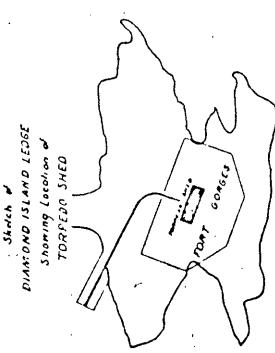
WAR DEPARTMENT.

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Portland, Me. 04102
35 Fallbrook St.
Roger Davis



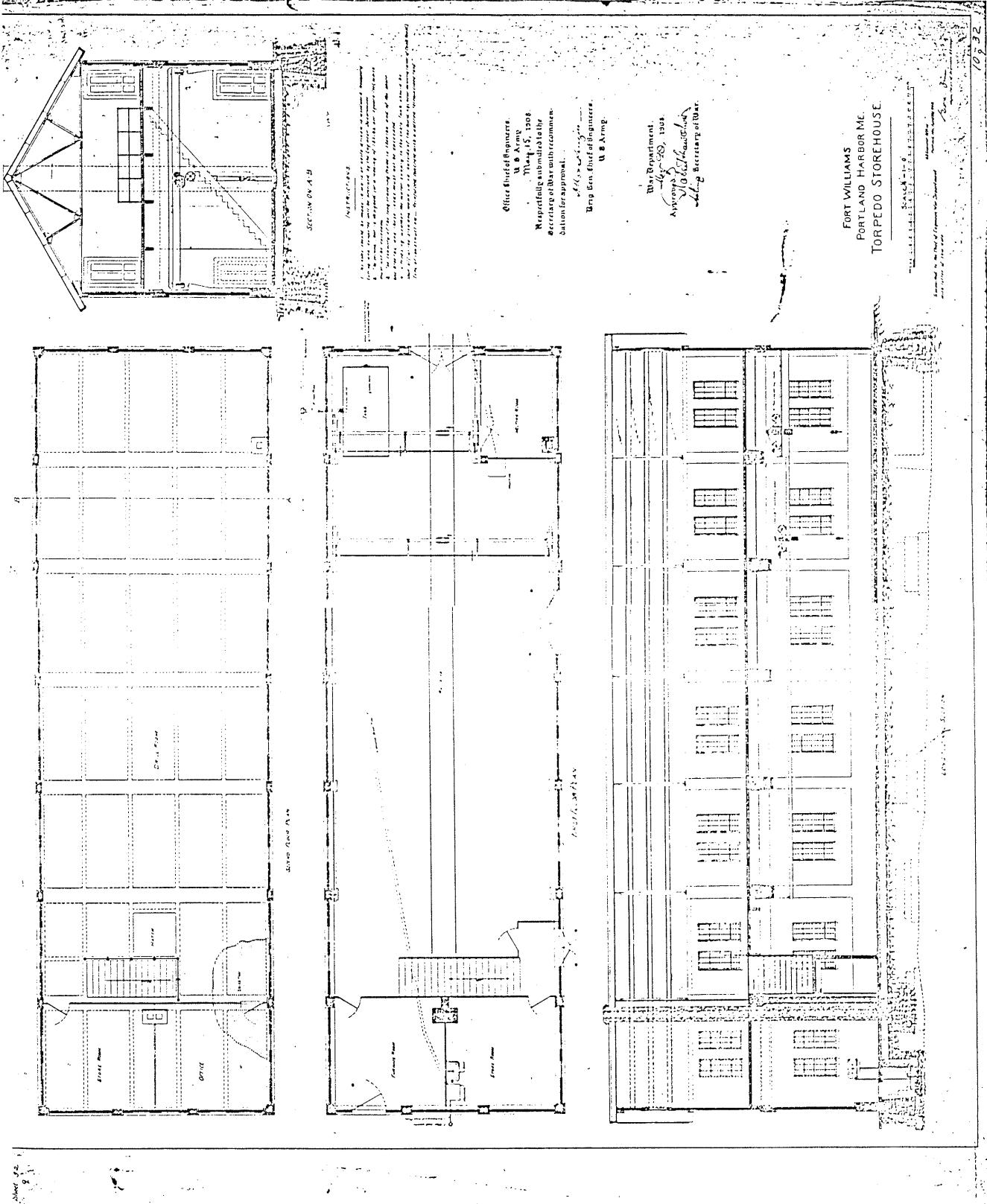


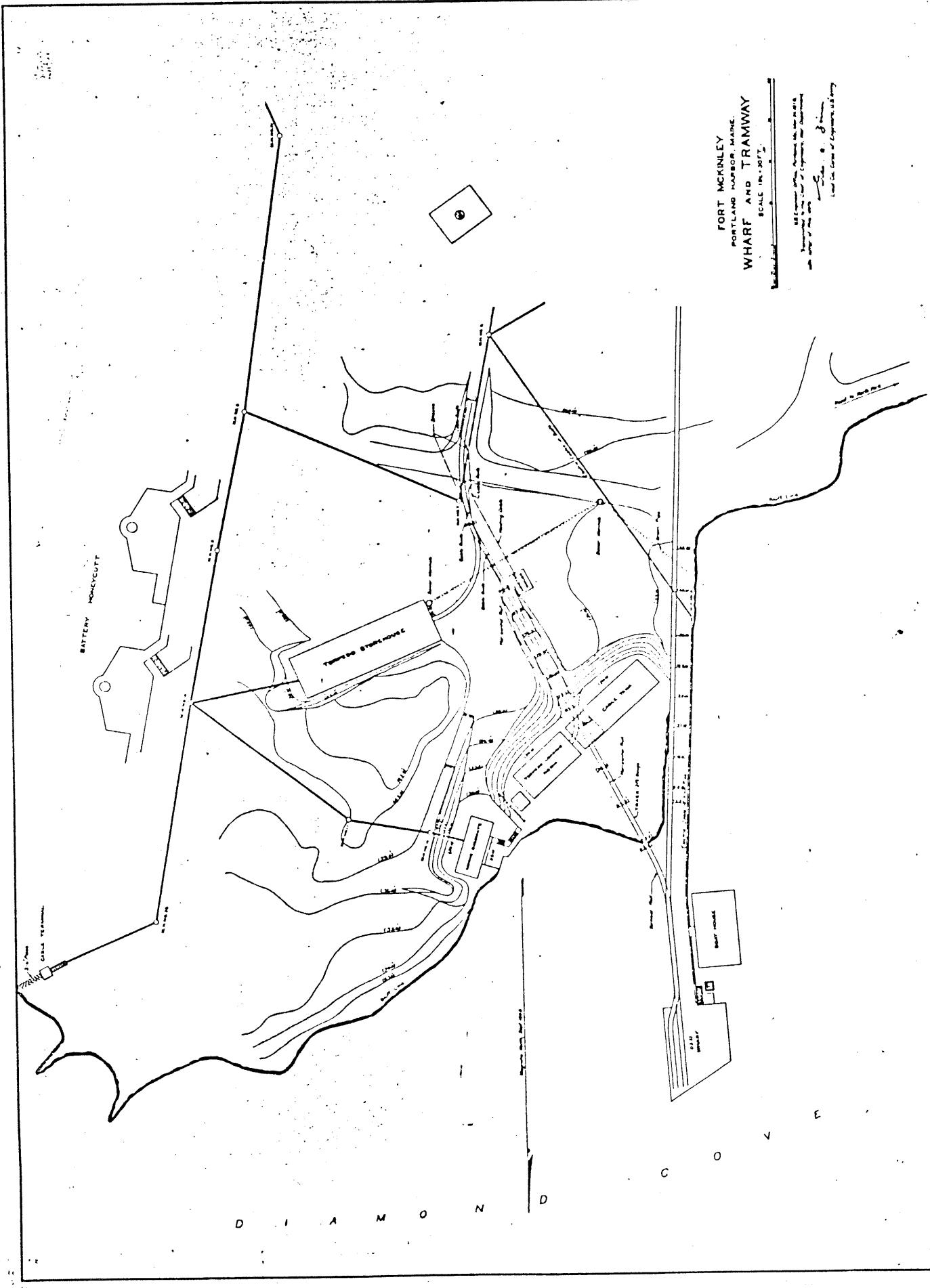


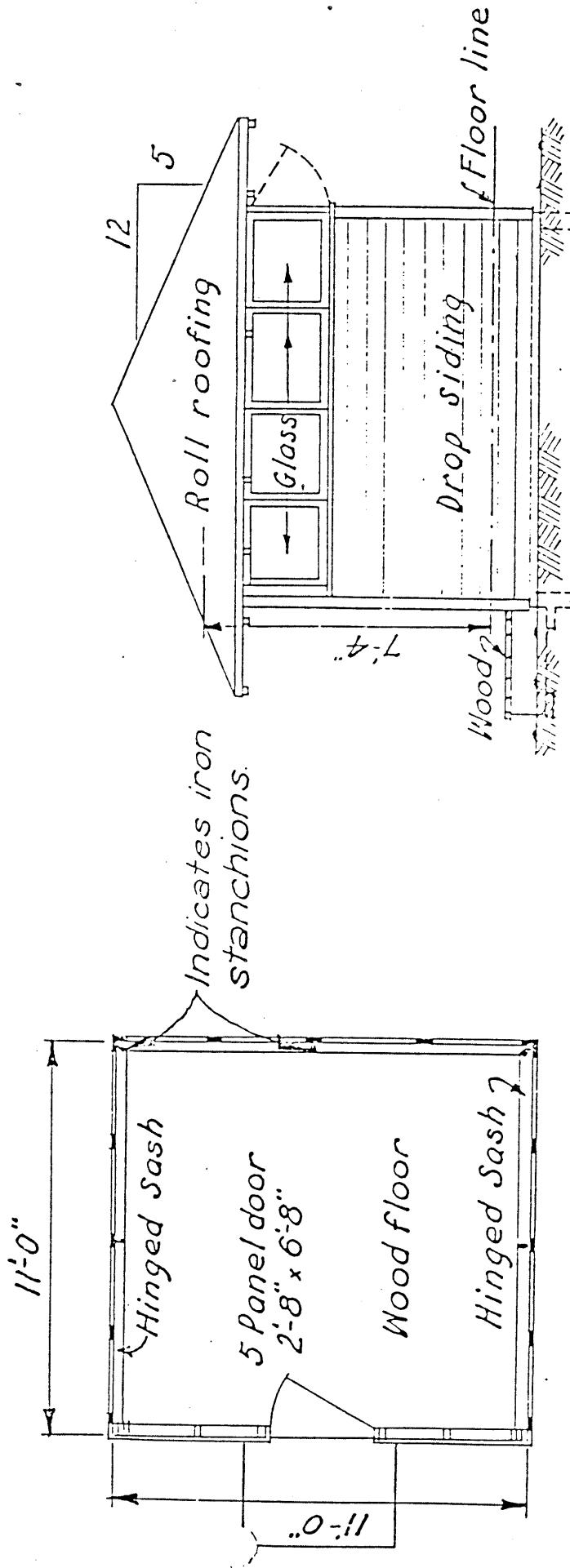
TORPEDO SHED
FORT GORGES, PORTLAND, ME.

Scale 1 inch = 5 feet

U.S. Engineer Office
Portland Maine, September 1st, 1897.
Transmitted by Board of Engineers, U.S.A. with their kind permission
Major General Officers, U.S.A.







ELEVATION

B.C. STATION

PLAN

SCALE

4	0	4	8	12	16 FT.
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卷八

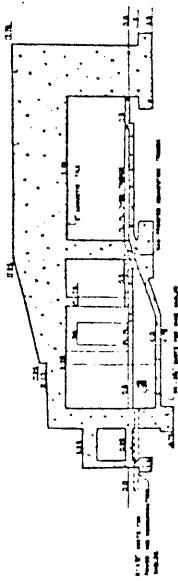
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Location No. 160. Site 961.

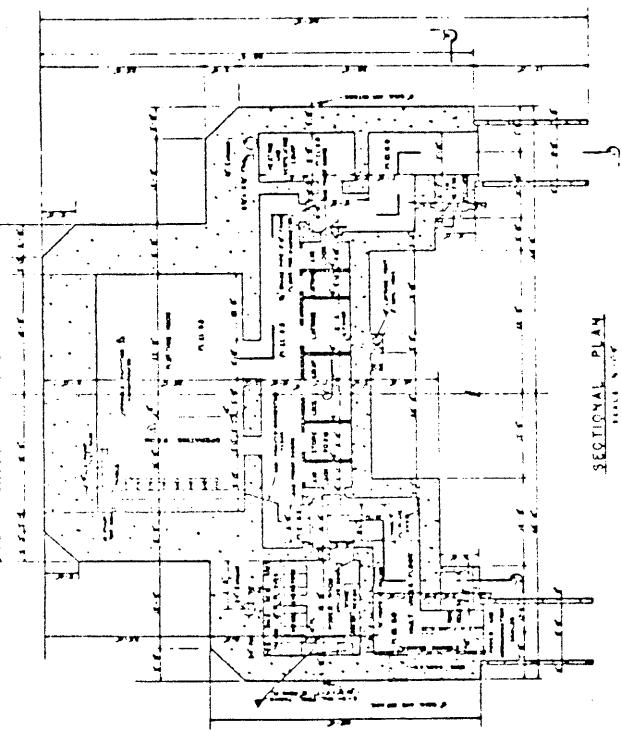
ALT 8

109

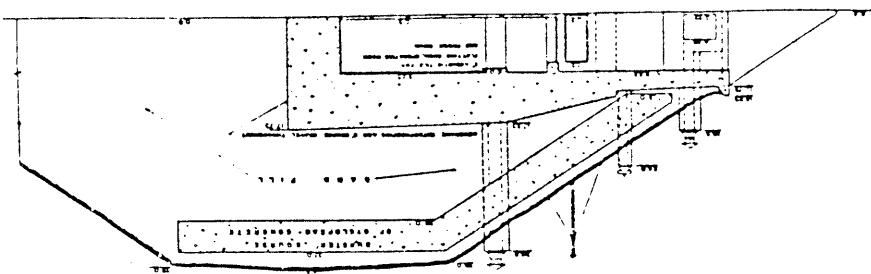
SECTION - ONE



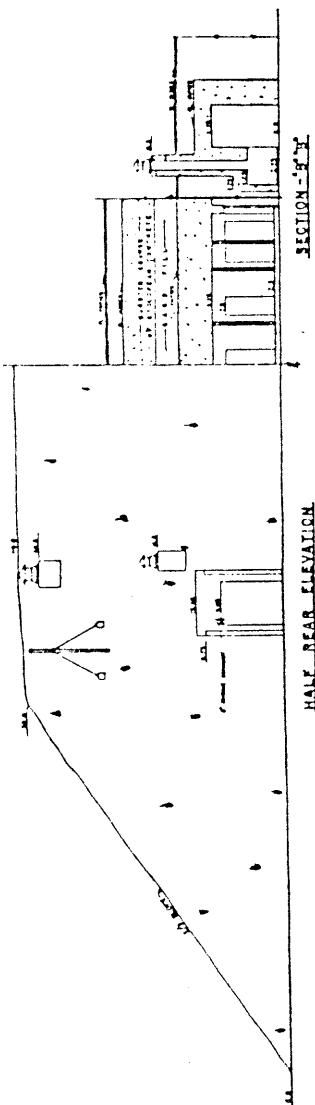
2



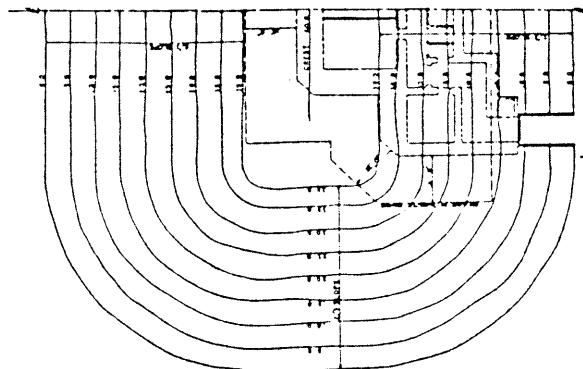
SECTION - A-2



NOTE



HALF TOP PLATE



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MINE CASE STATEMENT

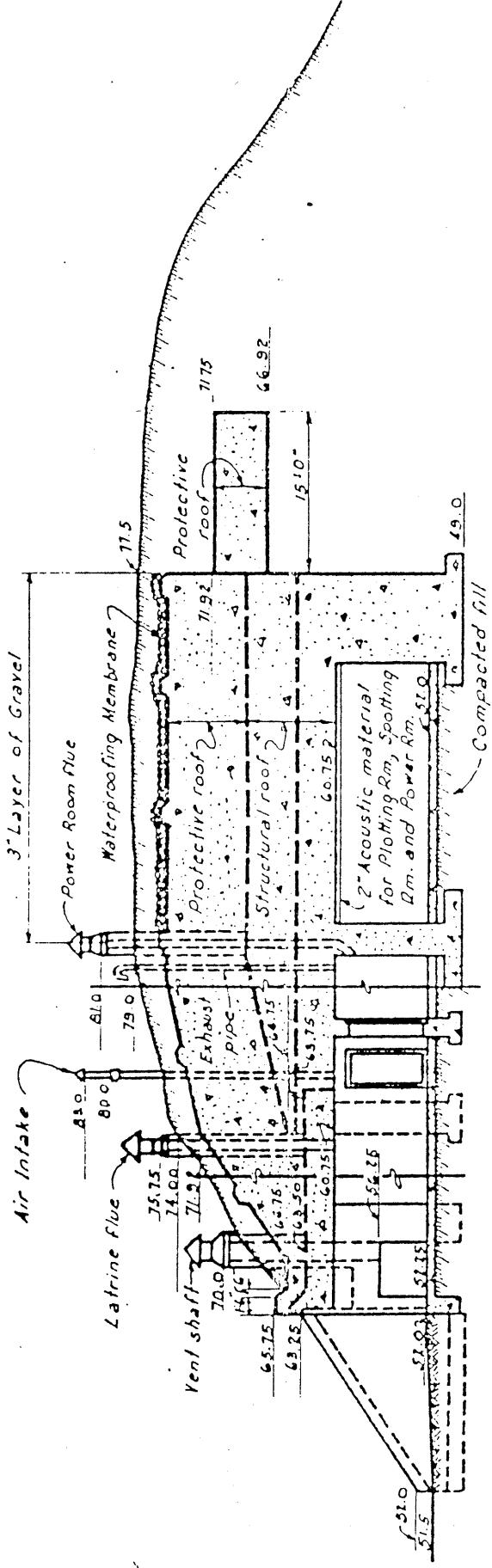
D MINE SONGS

PROTECTION SECTION

NET WT 100 gm

WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY



SECTION A - A

110

HARBOR DEFENSES OF L. I. SOUND
PLOTTING ROOM
BATTERY DUNN
10'
0
10'
20'

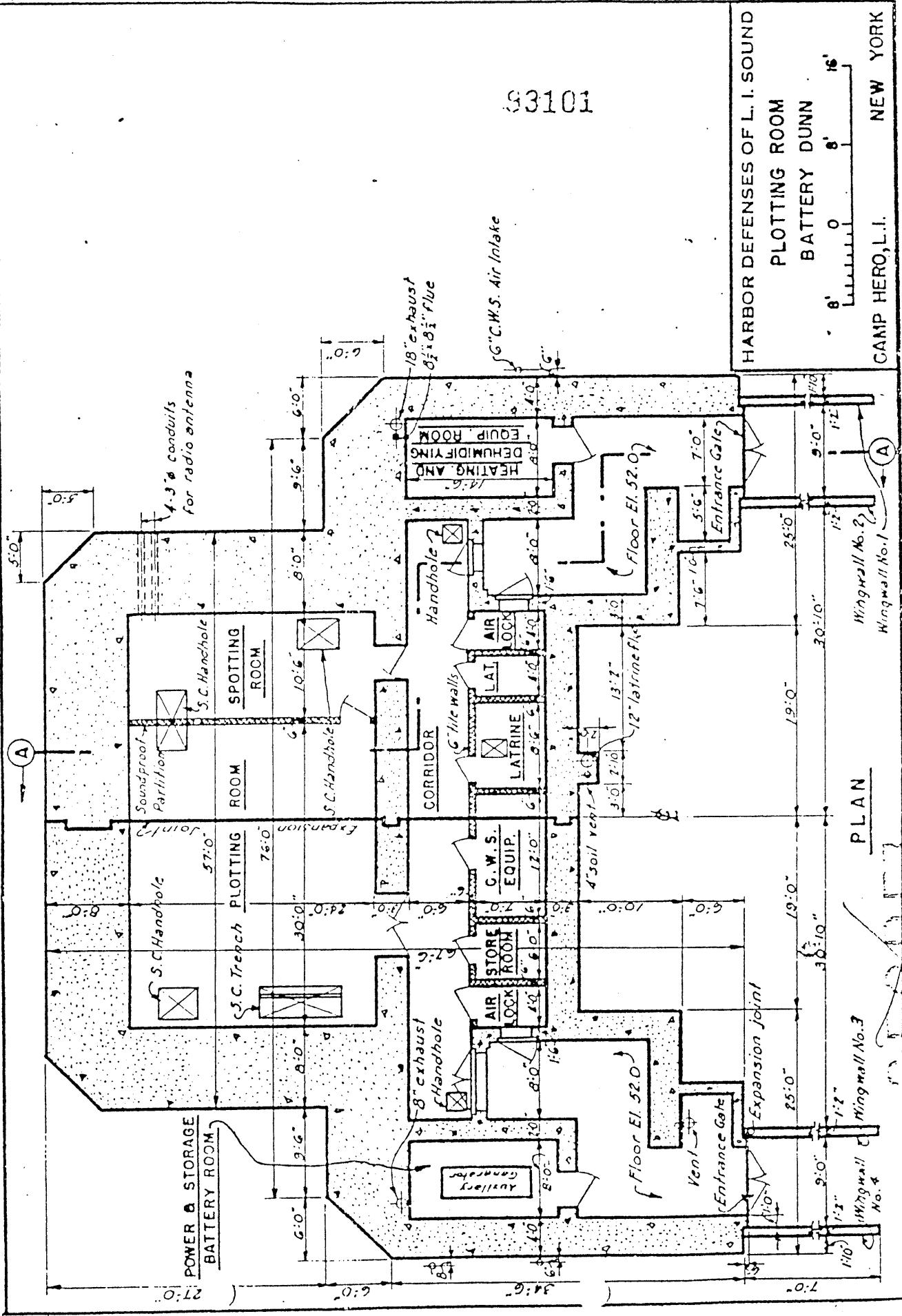
CAMP HERO, L.I.
NEW YORK

WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY

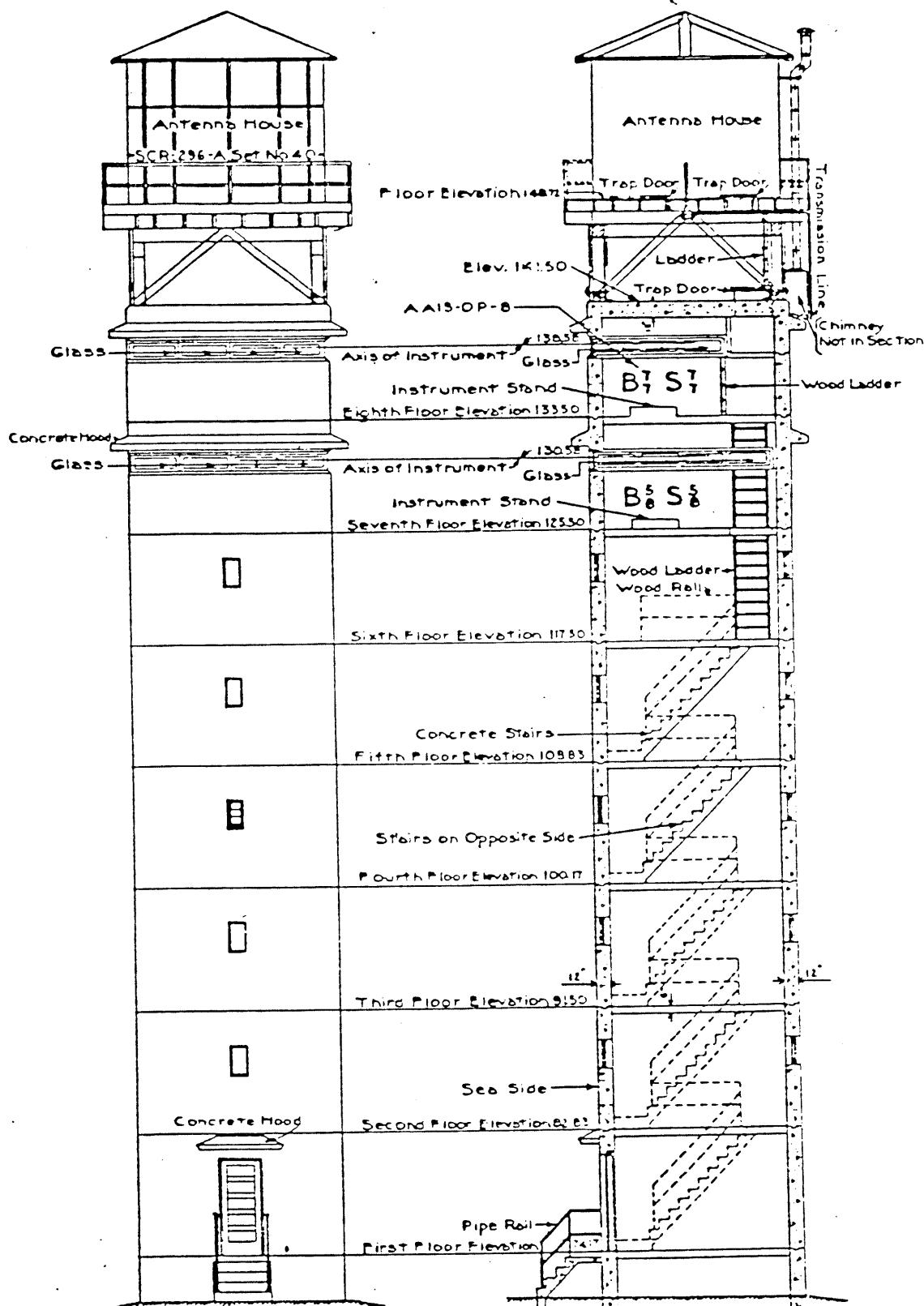
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WAR DEPARTMENT

CORPS OF ENGINEERS U.S. ARMY



SECTION AA

SCALE 0 1 2 3 4 5 10 15

(Sheet 2 of 2 Sheets)

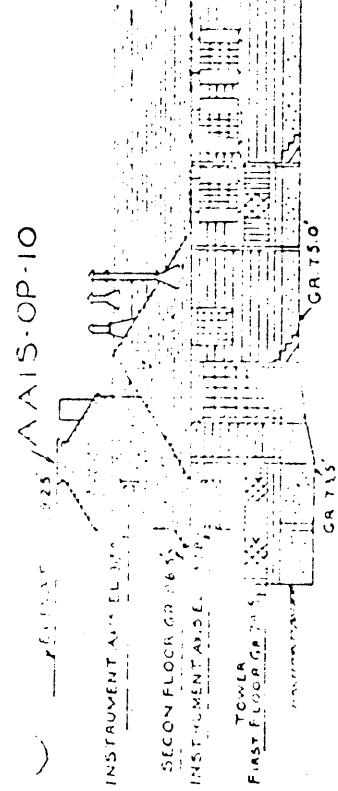
Sheet 1

REPORT OF CONTINUED WORKS - SEACOAST FORTIFICATIONS
 (Fire Control or Submarine Mine Structure)

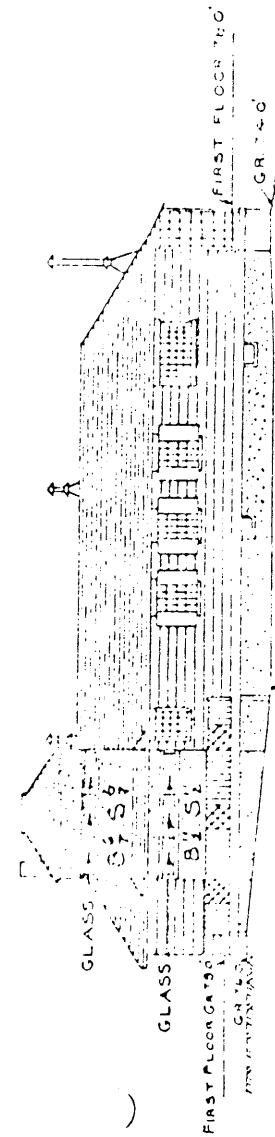
CORRECTED TO 21 September 1943

PART II

HARBOR DEFENSES OF Portsmouth, New Hampshire
Cape Neddick Location No. 151 Site 1A
STRUCTURE Observation Tower
Elevations and Section



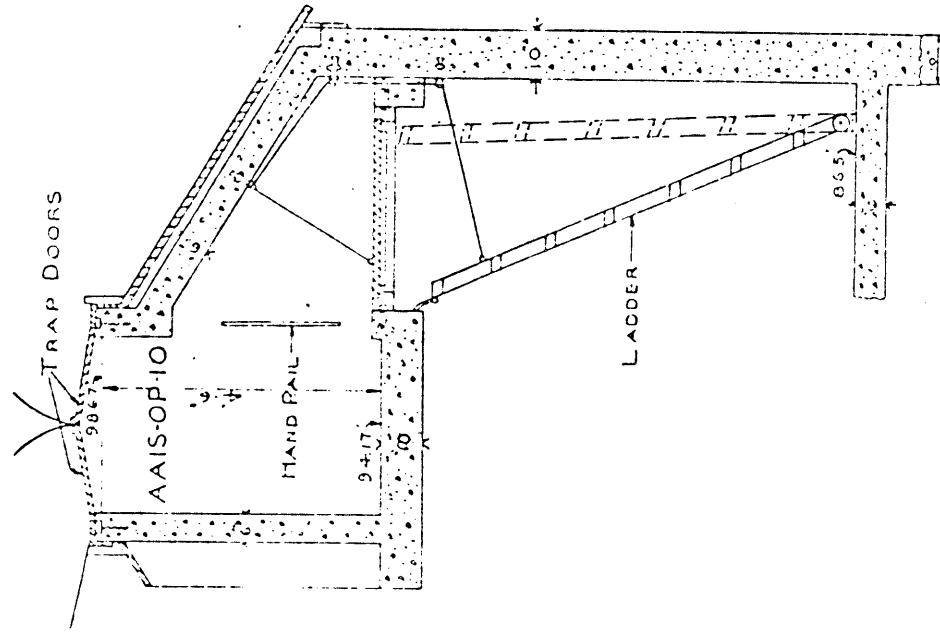
NORTH ELEVATION



ELEVATION TOWARD OCEAN

SCALE
 5 10 15 20 25 30 35

LOCATION NO 151 SITE 1A



TOWER LOOKOUT
 SCALE
 0 1 2 3 4 5 6

REVIEW OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire Control or Torpedo Stations)

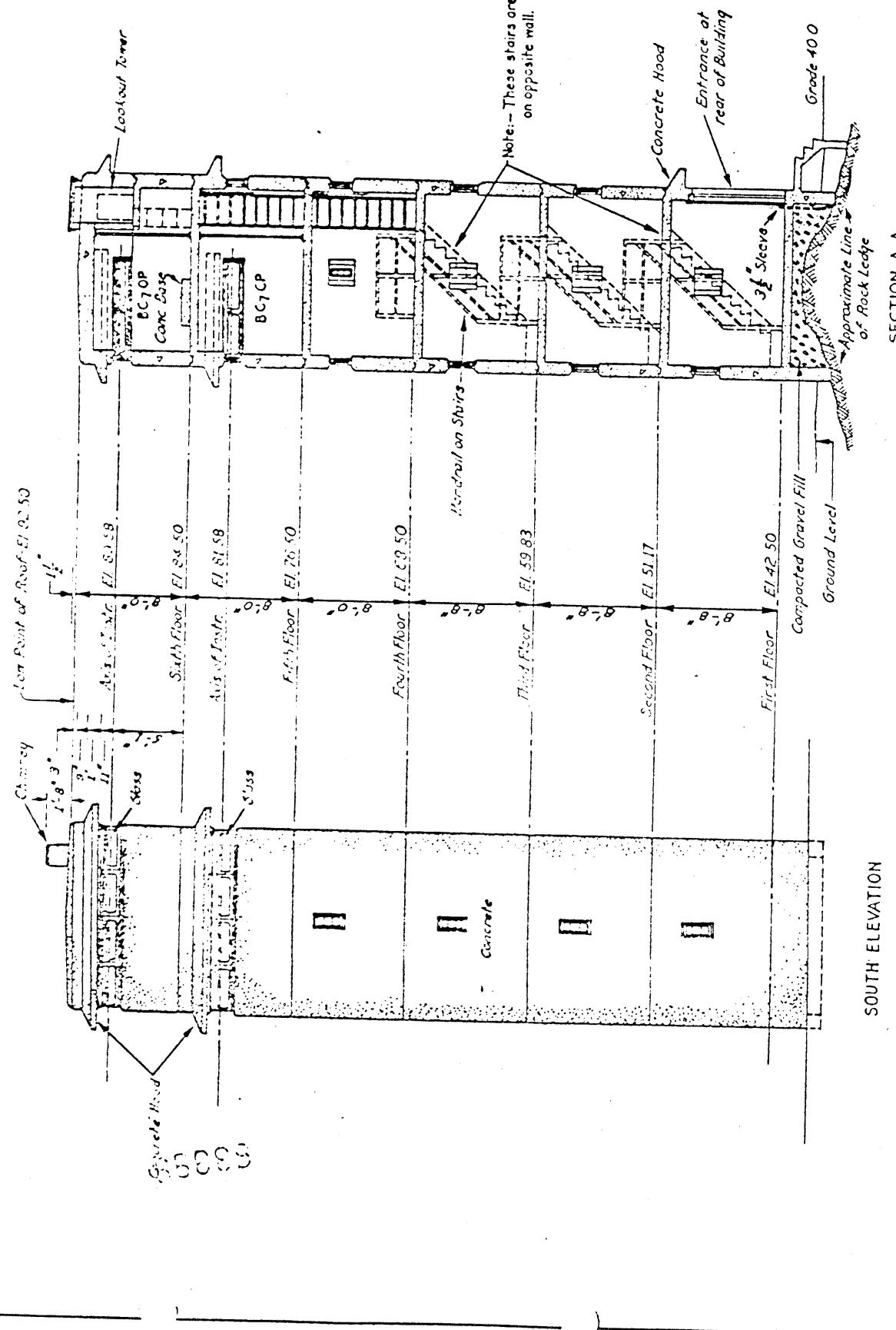
Location No. 143, Site 1B.

Corroded to 19 May 1943

Shoot 2 of 2 shoots

HARBOR DEFENSES OF PORTSMOUTH, NEW HAMPSHIRE
Fort Foster - Gorrell Island - Portsmouth Harbor
Structure Quesnay Tower - 6 Stories
Station Assignments. BC7-OP / BC7-CP

Form 2 Corroded to 19 May 1943

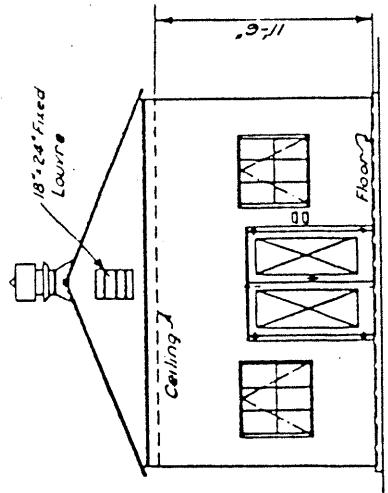
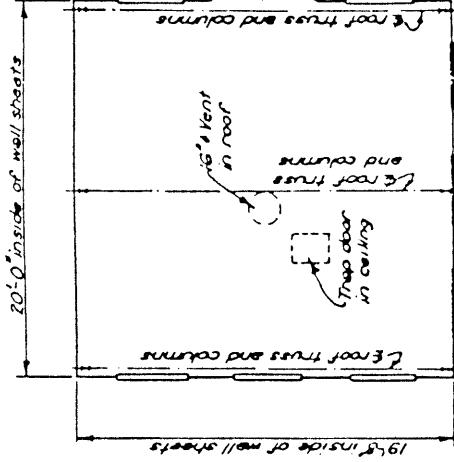


SOUTH ELEVATION

SECTION A-A

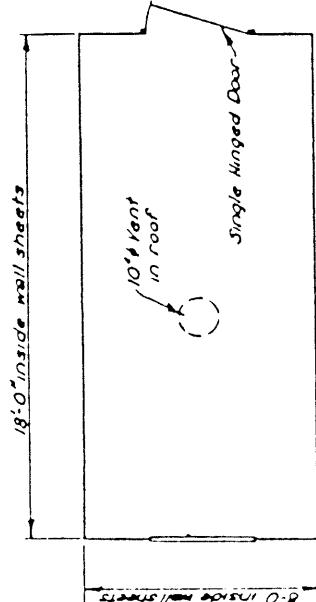
CORPS OF ENGINEERS, U.S. ARMY

WAR DEPARTMENT



HOUSE, HO-2-A

SCALE 0 TO FLEET

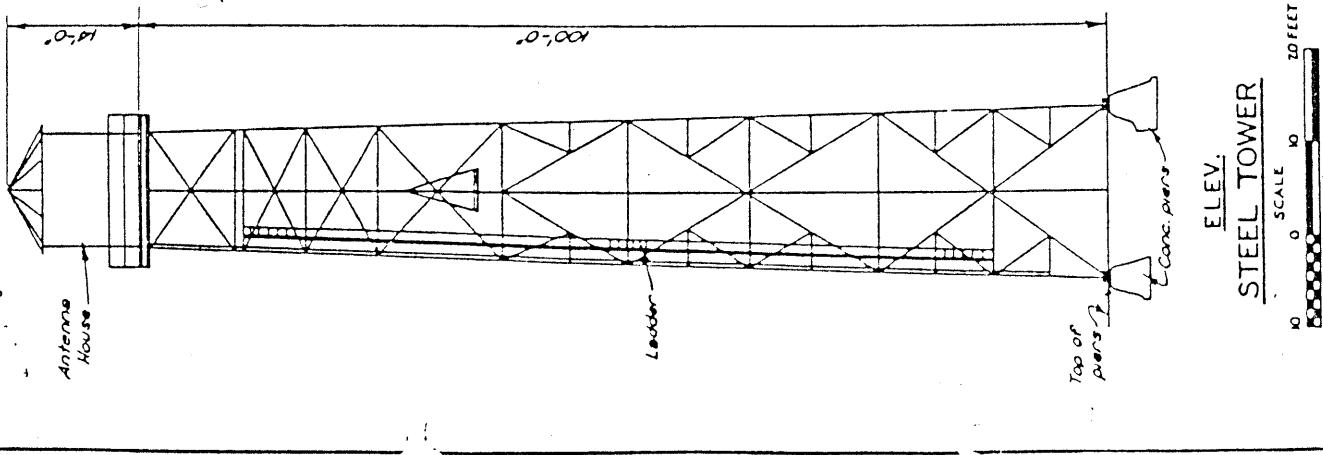


END ELEVATION

HOUSE, HO-1-A

SCALE 0 TO FLEET

NOTES
HO-1-A and HO-2-A buildings are reinforced
concrete sheet metal on structural steel frames,
with walls and ceiling for HO-2-A having 1" insulation.
HO-1-A and HO-2-A buildings have conc. floors.
Steel towers have an elevator running down from the
ground to a platform 10' below entrance. Access
to antennae house from platform is by ladder.

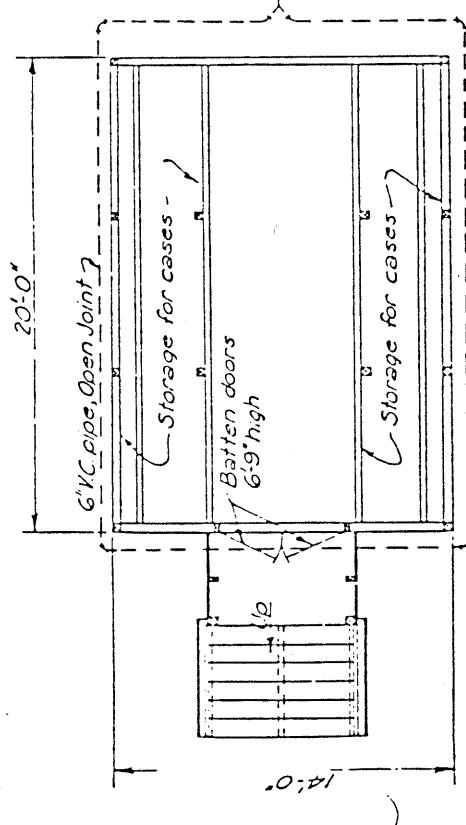
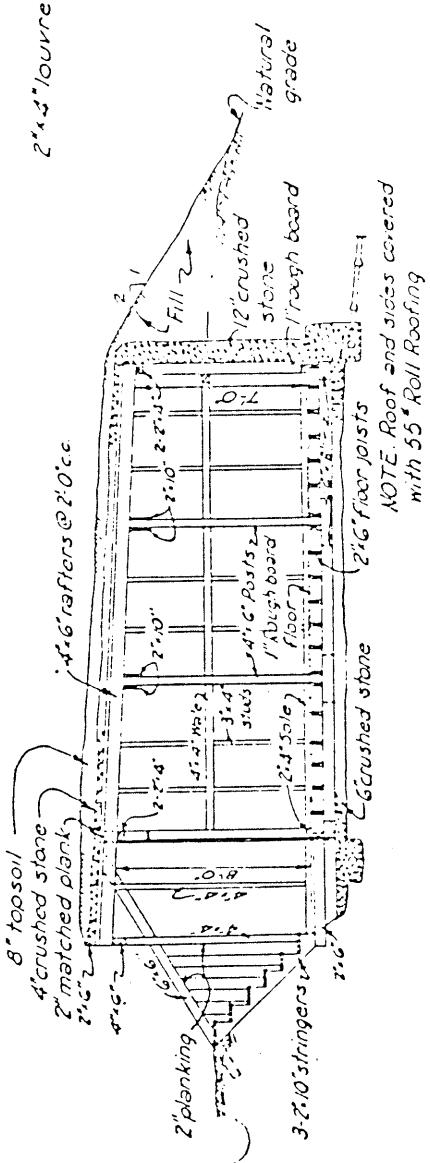
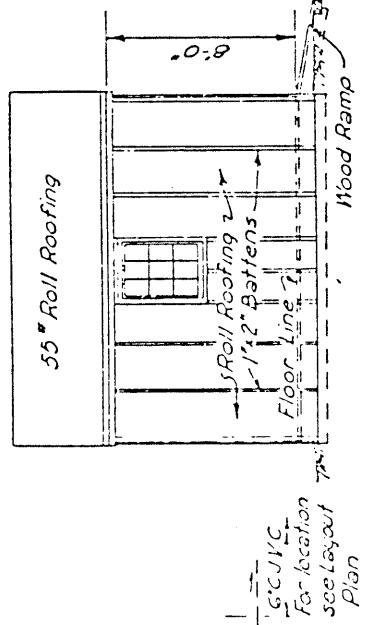
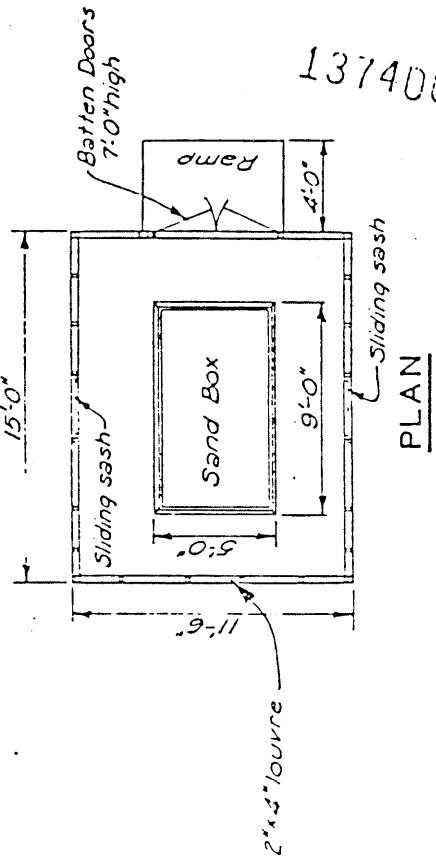


SCALE 0 TO FLEET

Plan and Elevations
Operations Building, SCR-296A

Location 127, Set #26
Fort Dunes-Deer Island

(Sheet 4 of 4 sheets)

SECTIONAL ELEVATIONUNDERGROUND STORAGEFRONTGENERATOR BUILDING

Underground Storage and
Generator Building

AUTB

SCALE 0 5 10 15 FEET

Location No. 160. Site 961.

(Sheet 4 of 5 Sheets)

and,

Me.

Annex 4--PHOTOGRAPHS OF REPRESENTATIVE STRUCTURES

Endicott and Taft Periods, 1891-1916

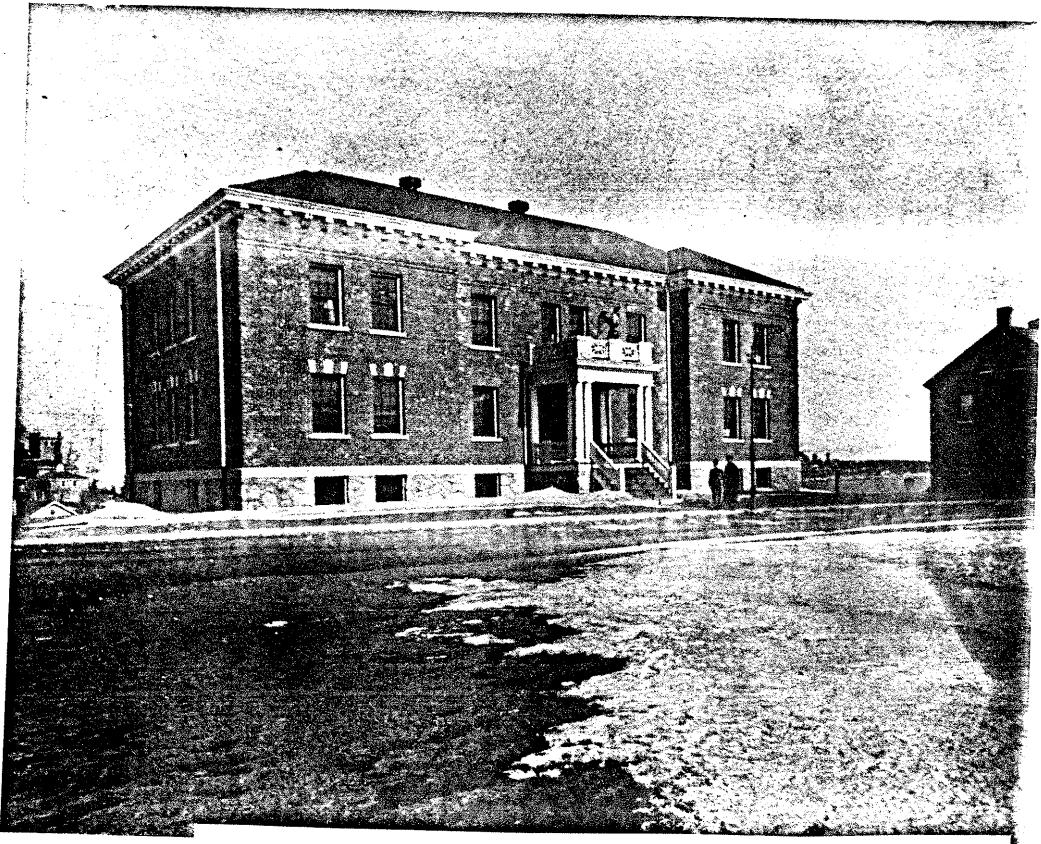
Administration Building, 1911, Fort Williams, Cape Elizabeth, Me.
Bachelor Officers Quarters, 1909, Fort Williams, Cape Elizabeth, Me.
Bakery, 1910, Fort Williams, Cape Elizabeth, Me.
Band Stand, ca. 1911, Fort Williams, Cape Elizabeth, Me.
Barracks, 1902, Fort Williams, Cape Elizabeth, Me.
Battery Commander's Sta., 1905, Btry. Bowdoin, Ft. Levett, Cushing Island, Me.
Double Non-Commissioned Officers Qtrs., 1909, Ft. Williams, Cape Elizabeth, Me.
Double Non-Commissioned Officers Qtrs., 1909, Ft. Williams, Cape Elizabeth, Me.
Double Officers Quarters, 1901, Fort Williams, Cape Elizabeth, Me.
Fire Station, 1911, Fort Williams, Cape Elizabeth, Me.
Guard House, 1911, Fort Williams, Cape Elizabeth, Me.
Hospital, 1901, Fort Williams, Cape Elizabeth, Me.
Hospital Steward's Quarters, 1901, Fort Williams, Cape Elizabeth, Me.
Officers Quarters, 1902, Fort Williams, Cape Elizabeth, Me.
Post Exchange, 1904, Fort Williams, Cape Elizabeth, Me.
Post Gymnasium, 1908, Fort Williams, Cape Elizabeth, Me.
Quartermaster Storehouse & Office, 1910, Fort Williams, Cape Elizabeth, Me.

World War I and the Inter-War Period, 1917-1938

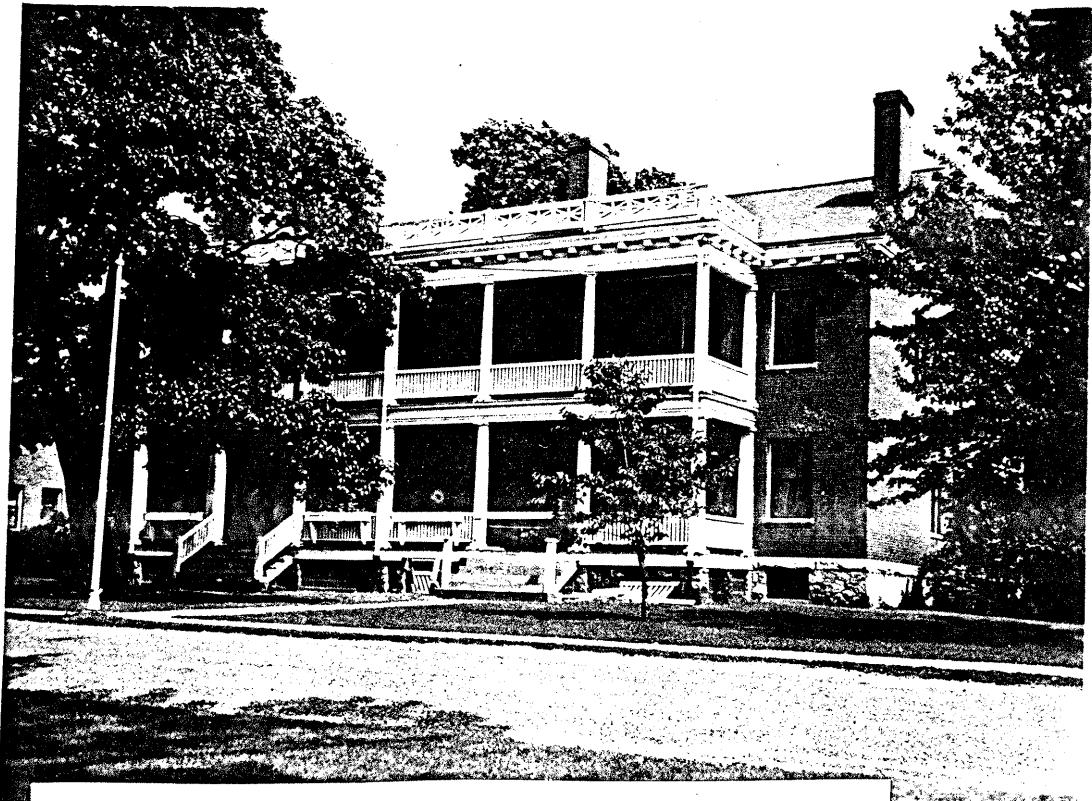
Combined Range Finding Station, 1909, Peaks Island, Me.
Disappearing Searchlight, 1921, Peaks Island, Me.
Observation Tower, 1921, Trundy Point, Cape Elizabeth, Me.
Quartermaster Garage, 1921, Fort Williams, Cape Elizabeth, Me.
Searchlight Shelter, 1921, Fort Foster, Kittery, Me.
Searchlight Powerhouse, 1921, Peaks Island, Me.
War Department Theater, 1938, Fort McKinley, Great Diamond Island, Me.

World War II, 1939-1945

Barracks, 1941, Fort Williams, Cape Elizabeth, Me.
Battery Cravens, 1944, Peaks Island, Me.
Battery 201, 1944, Cape Elizabeth, Me.
Company Administration and Storehouse, 1941, Fort Williams, Cape Elizabeth, Me.
Double Mine Control Station, 1944, Peaks Island, Me.
Double Mine Control Station, 1944, Fort Levett, Cushing Island, Me.
Framework, Camouflage Net, Btry. Kendrick, 1943, Ft. Levett, Cushing Is., Me.
Generator Building, Radar Station, 1944, Long Island, Me.
Mine Casemate, 1944, Peaks Island, Me.
90mm Gun Block, AMTB Battery, 1943, Fort Levett, Cushing Island, Me.
Observation Tower, 1944, Fort Levett, Cushing Island, Me.
Observation Tower, 1944, Prout's Neck, Scarborough, Me.
Observation Tower, 1944, Long Island, Me.
Officers Quarters and Mess, 1941, Fort Williams, Cape Elizabeth, Me.
Plotting, Switchboard and Radio Room, Battery Steel, 1944, Peaks Island, Me.
Range Finder Station and Magazine, AMTB Battery, 1943, Peaks Island, Me.



Administration Building, 1911, Fort Williams, Cape Elizabeth, Me.



Bachelor Officers Quarters, 1909, Fort Williams, Cape Elizabeth, Me.



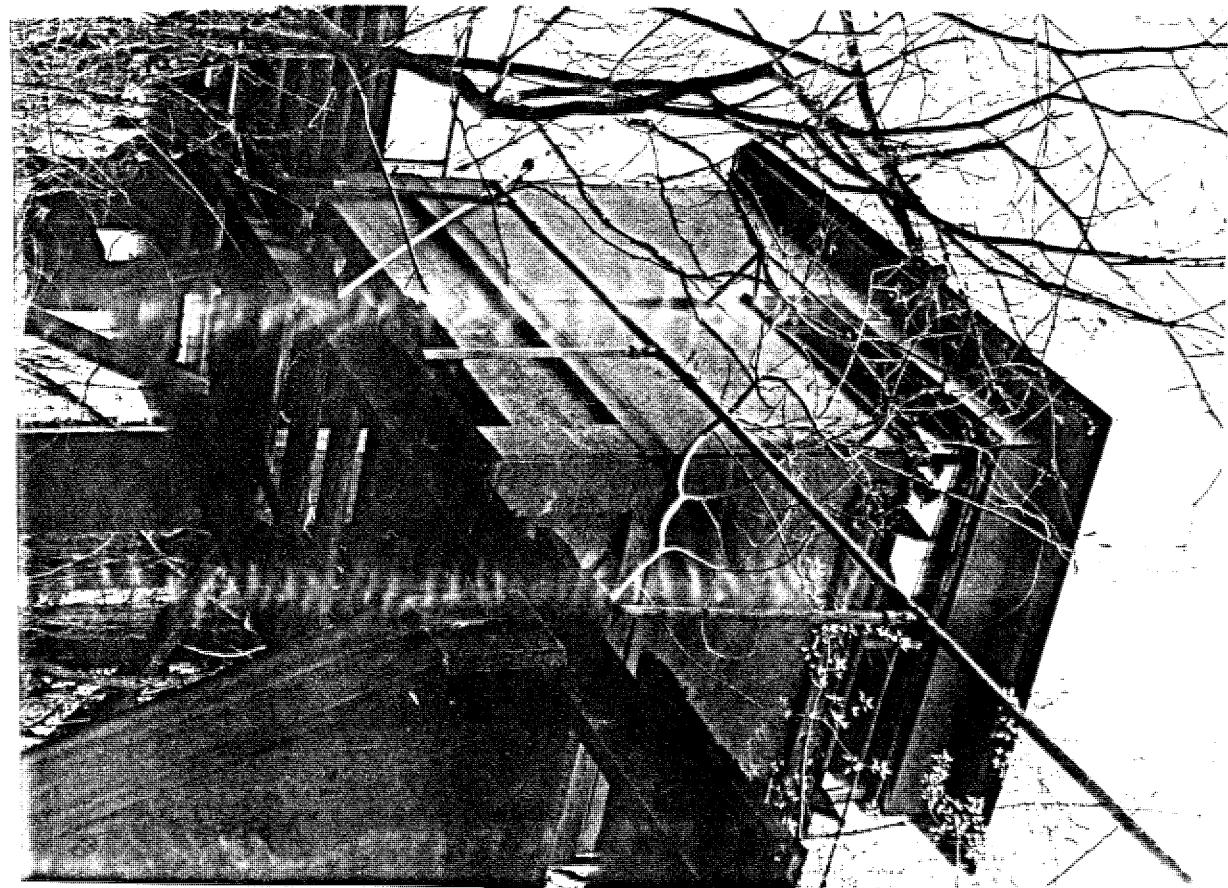
Bakery, 1910, Fort Williams, Cape Elizabeth, Me.



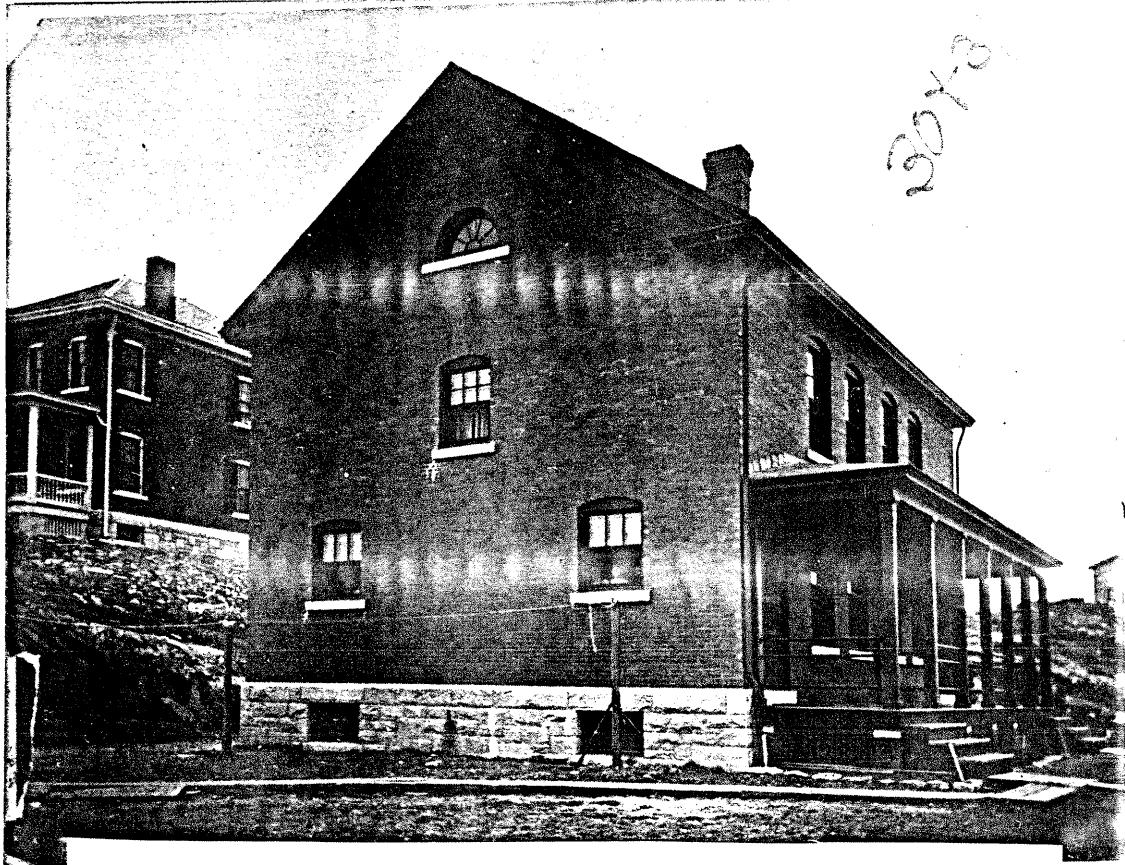
Band Stand, ca. 1911, Fort Williams, Cape Elizabeth, Me.



Barracks, 1902, Fort Williams, Cape Elizabeth, Me.



Battery Commander's Sta., 1905, Btry. Bowdoin, Ft. Levett, Cushing Island, Me.



30x30

Double Non-Commissioned Officers Qtrs., 1909, Ft. Williams, Cape Elizabeth, Me.



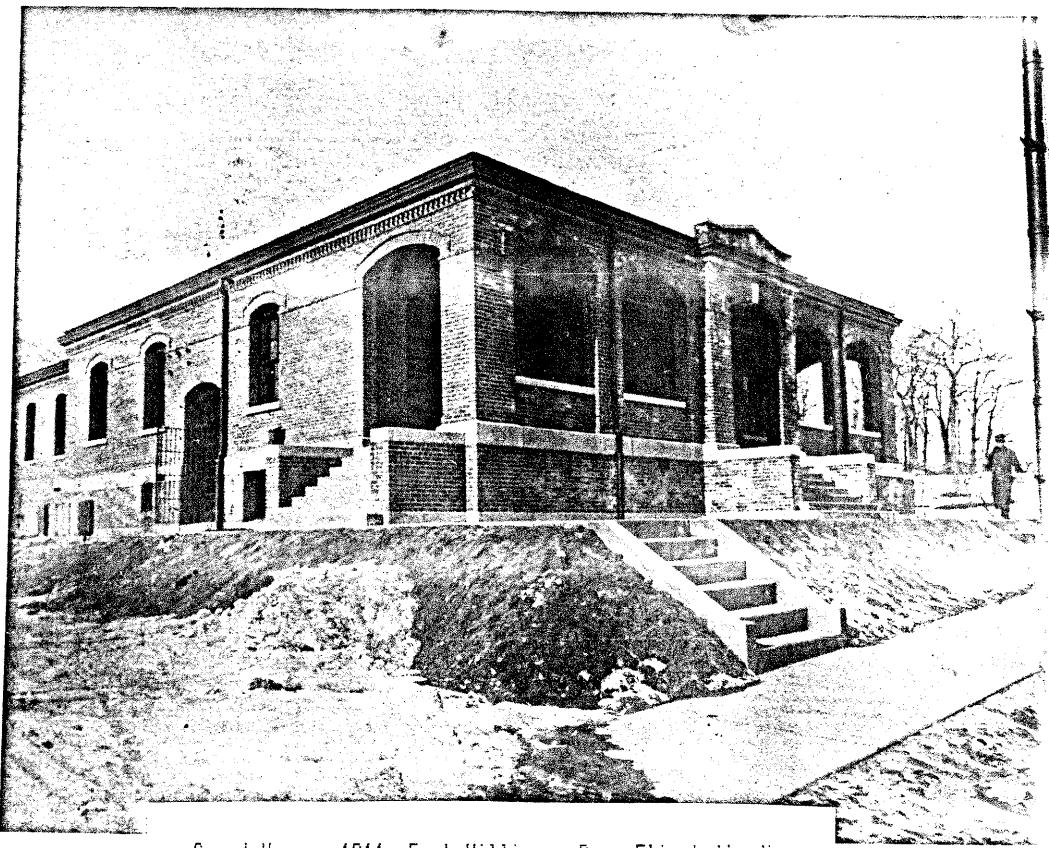
Double Non-Commissioned Officers Qtrs., 1909, Ft. Williams, Cape Elizabeth, Me.



Double Officers Quarters, 1901, Fort Williams, Cape Elizabeth, Me.



Fire Station, 1911, Fort Williams, Cape Elizabeth, Me.



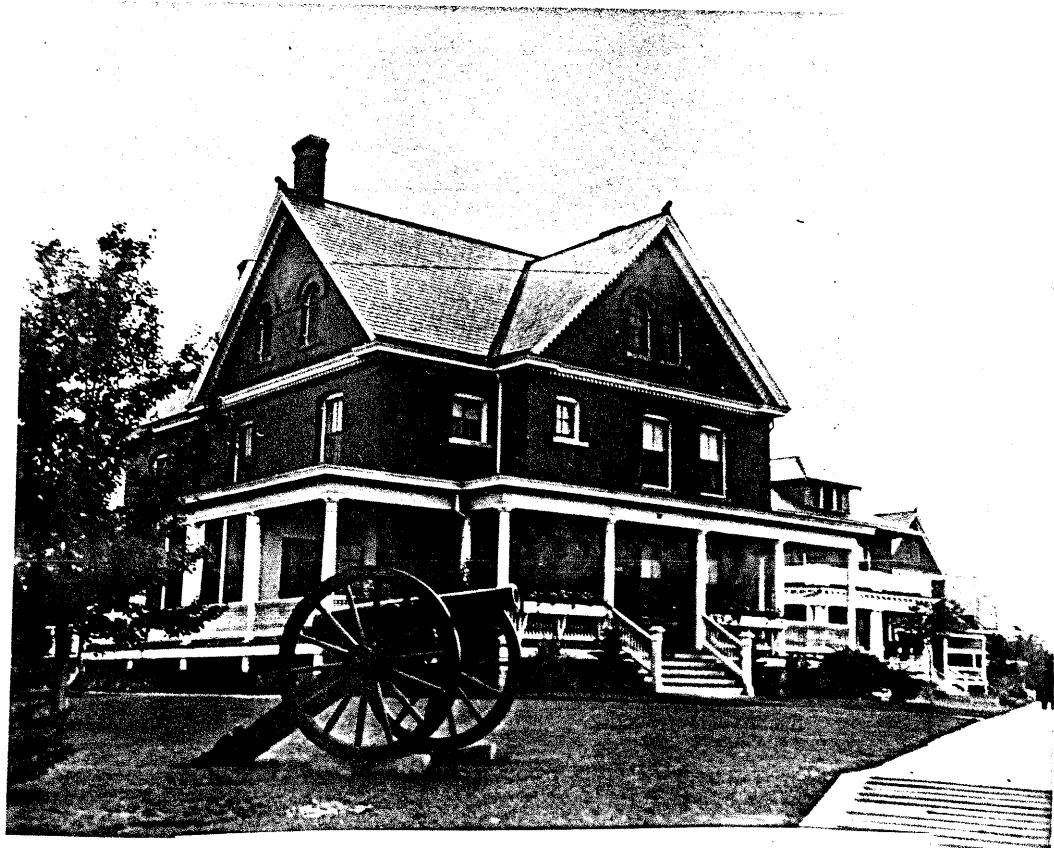
Guard House, 1911, Fort Williams, Cape Elizabeth, Me.



Hospital, 1901, Fort Williams, Cape Elizabeth, Me.



Hospital Steward's Quarters, 1901, Fort Williams, Cape Elizabeth, Me.



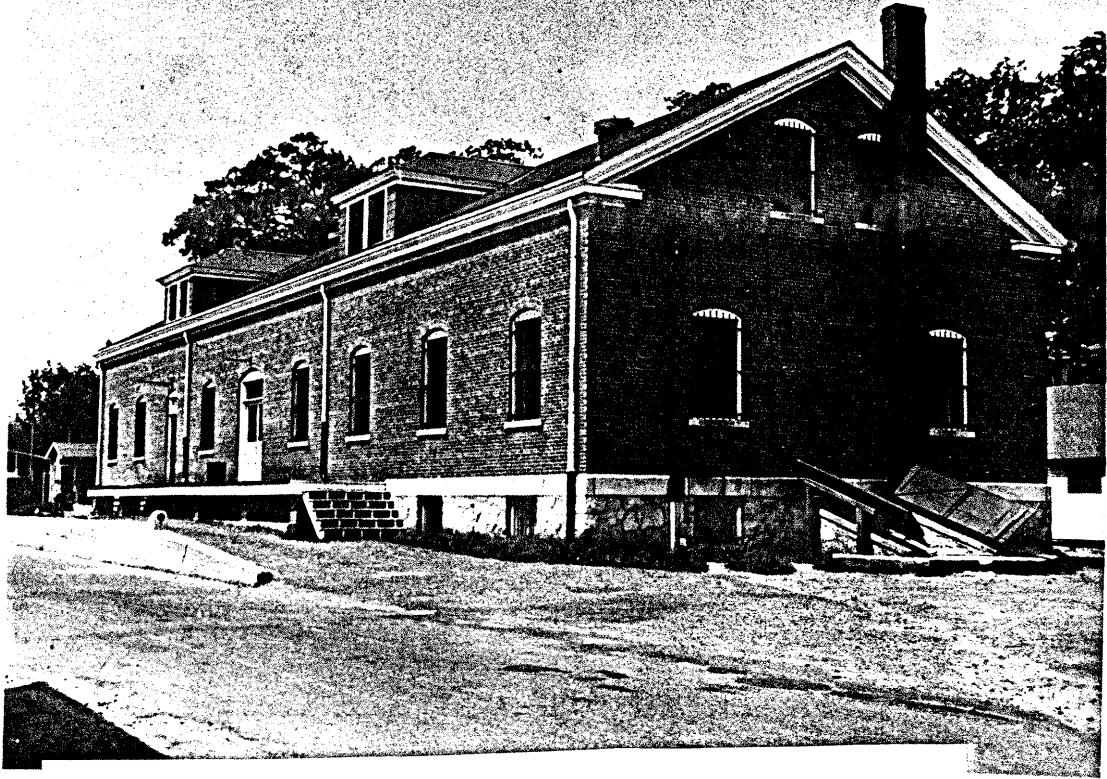
Officers Quarters, 1902, Fort Williams, Cape Elizabeth, Me.



Post Exchange, 1904, Fort Williams, Cape Elizabeth, Me.



Post Gymnasium, 1908, Fort Williams, Cape Elizabeth, Me.



Quartermaster Storehouse & Office, 1910, Fort Williams, Cape Elizabeth, Me.



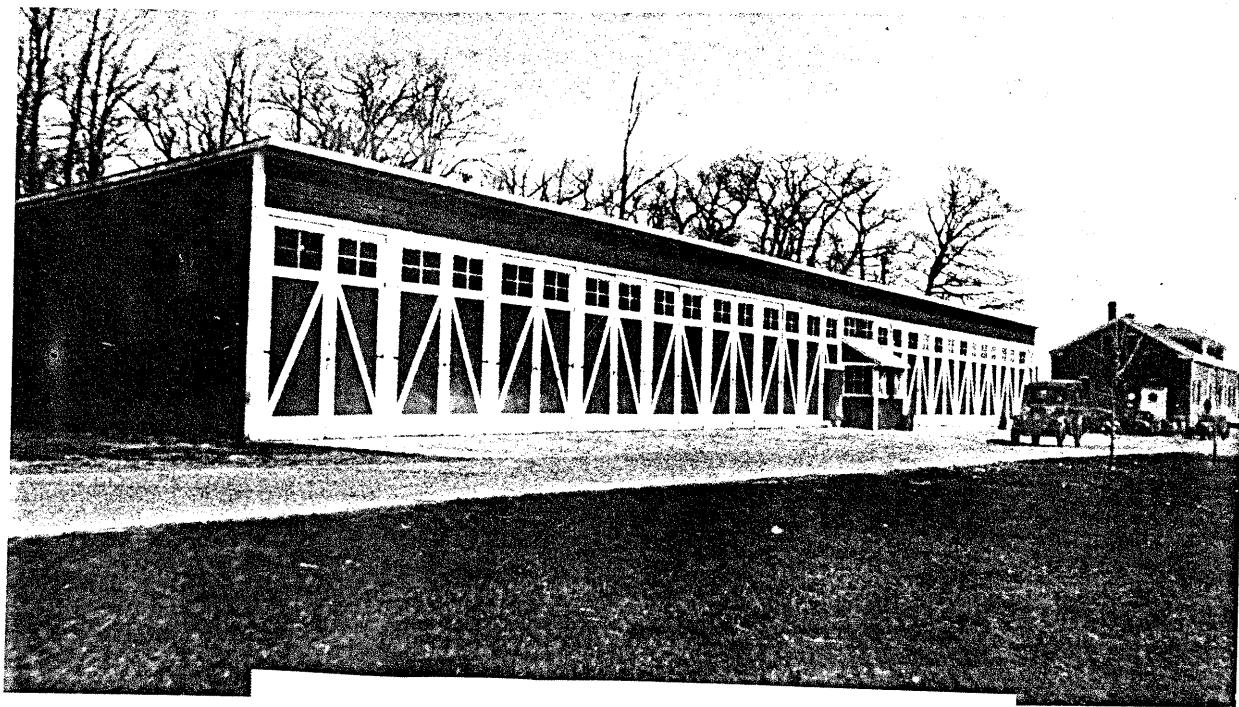
Combined Range Finding Station, 1909, Peaks Island, Me.



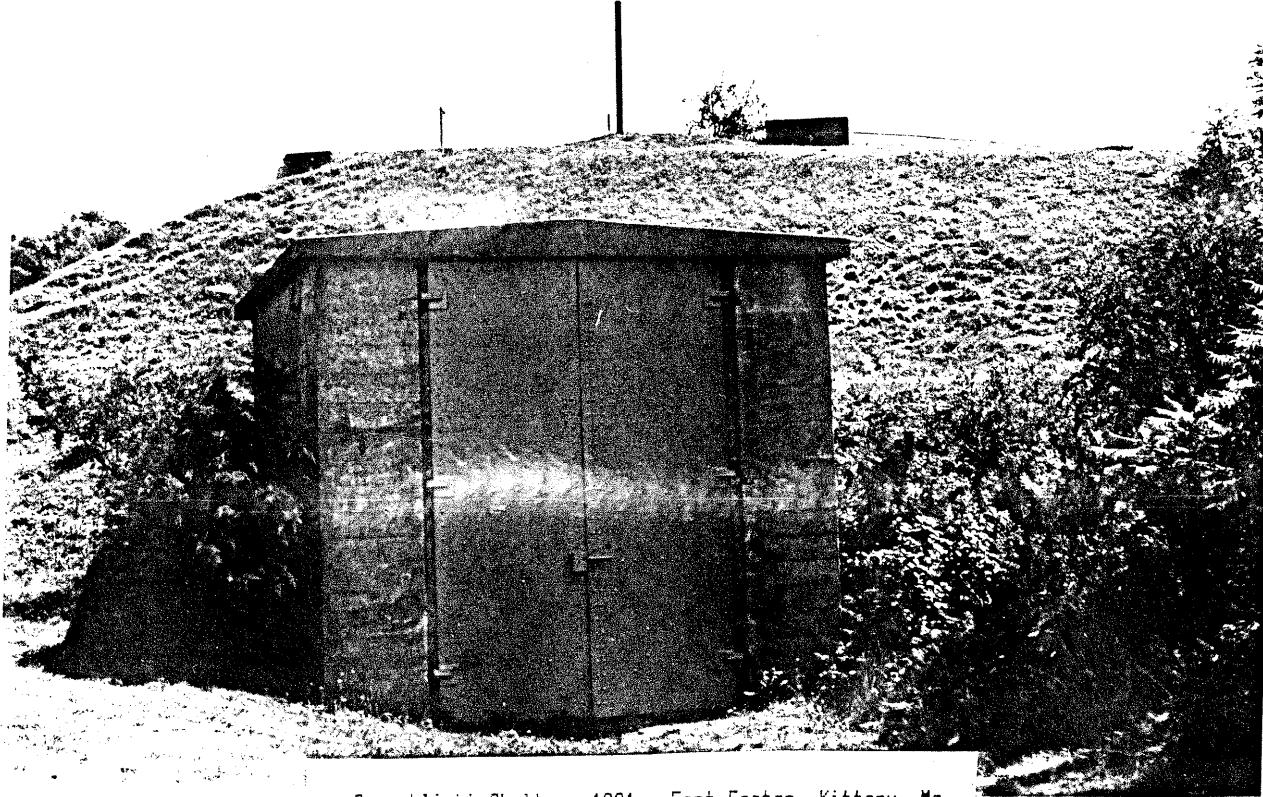
Disappearing Searchlight, 1921, Peaks Island, Me.



Observation Tower, 1921, Trundy Point, Cape Elizabeth, Me.



Quartermaster Garage, 192, Fort Williams, Cape Elizabeth, Me.



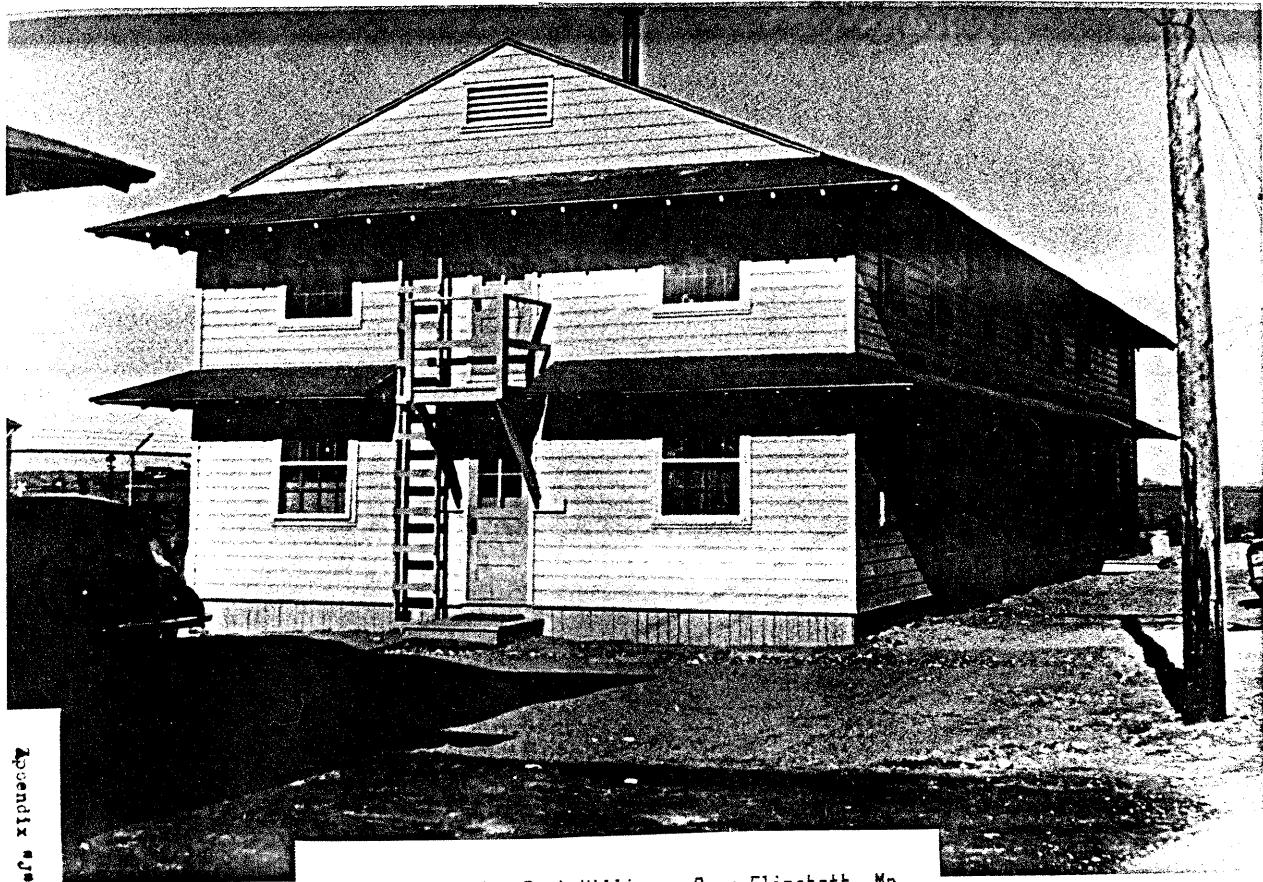
Searchlight Shelter, 1921, Fort Foster, Kittery, Me.



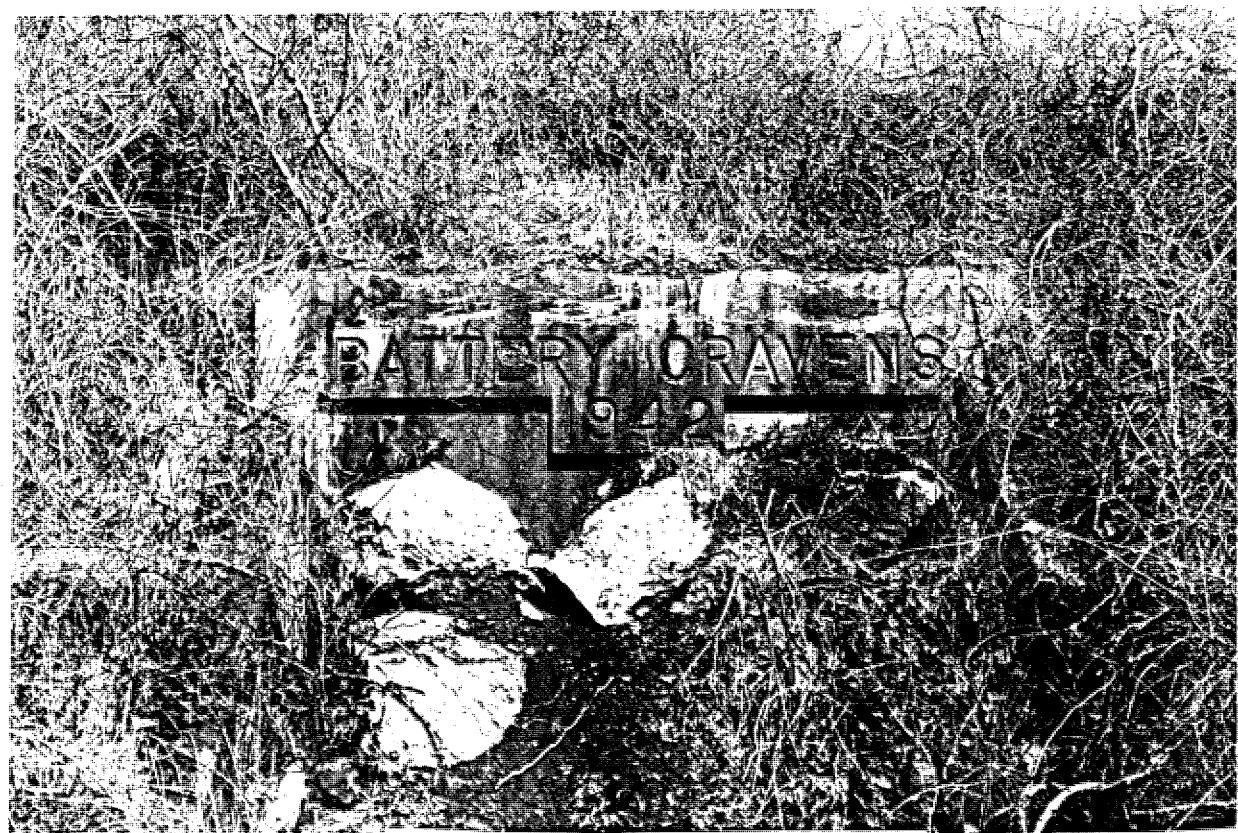
Searchlight Powerhouse, 1921, Peaks Island, Me.



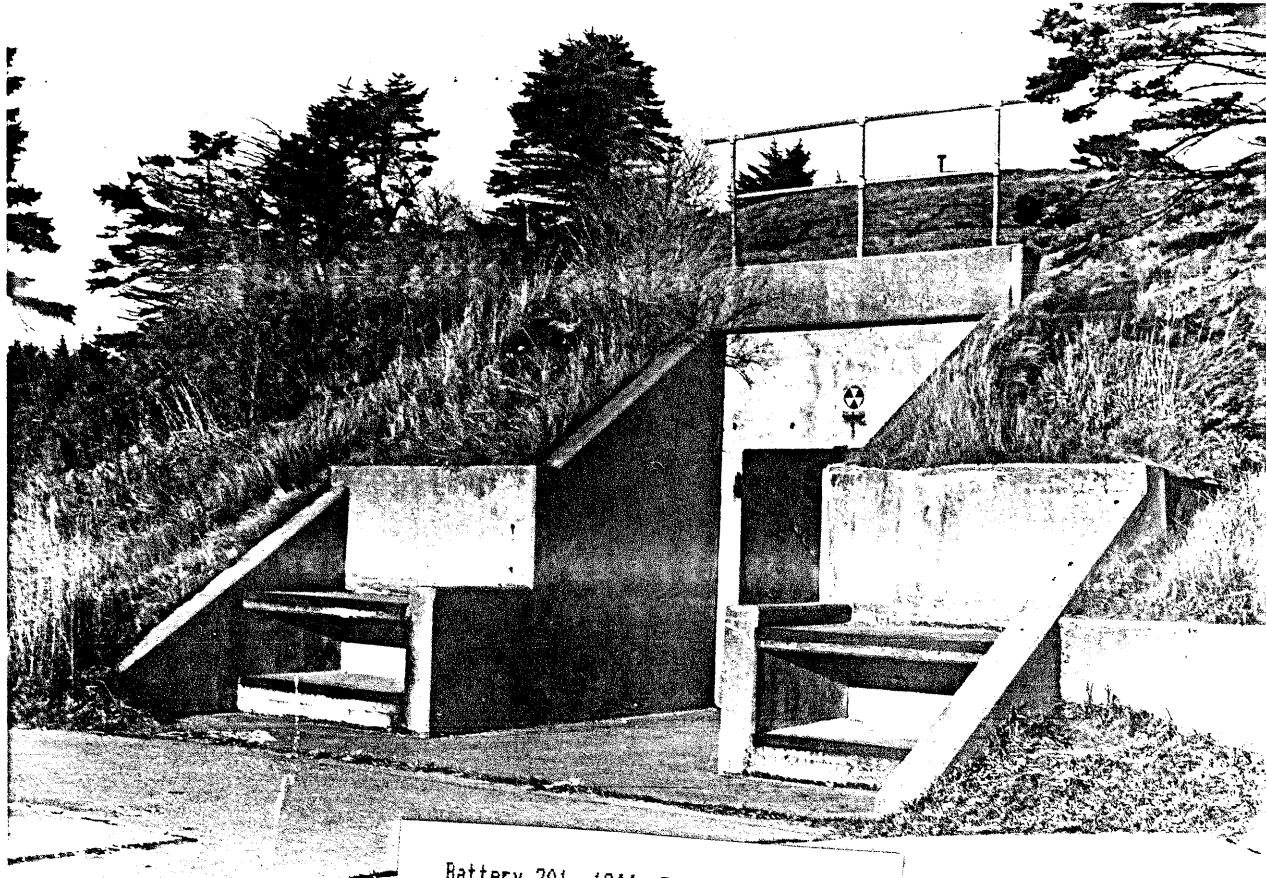
War Department Theater, 1938, Fort McKinley, Great Diamond Island, Me.



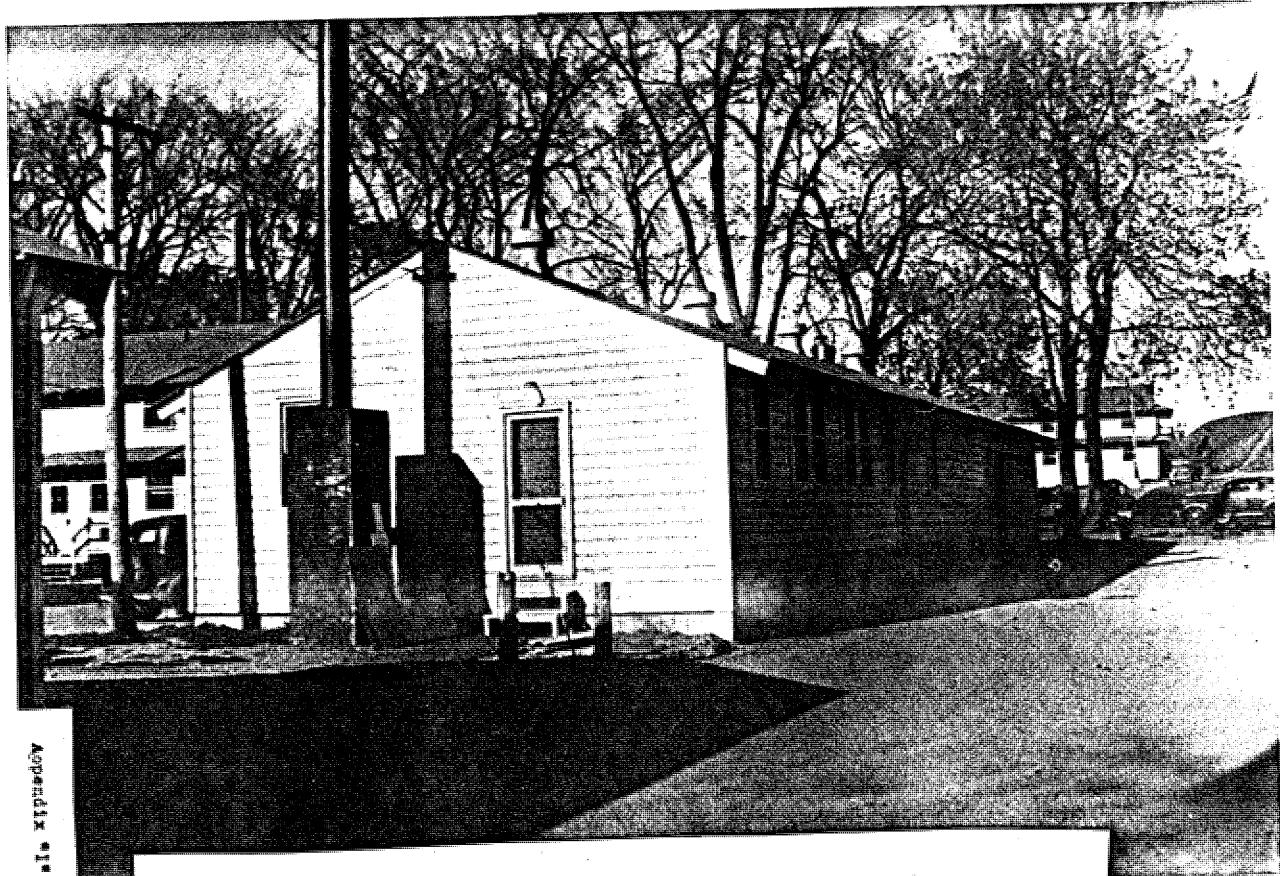
Barracks, 1941, Fort Williams, Cape Elizabeth, Me.



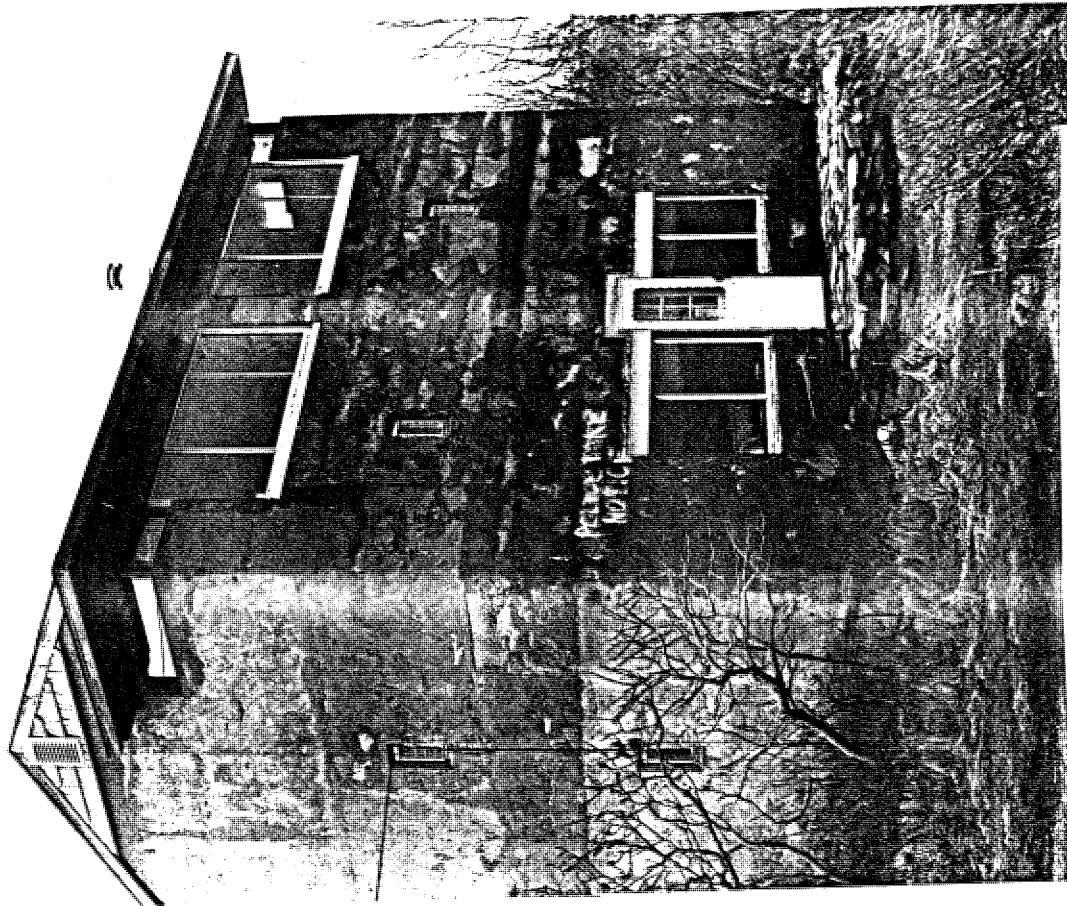
Battery Cravens, 1944, Peaks Island, Me.



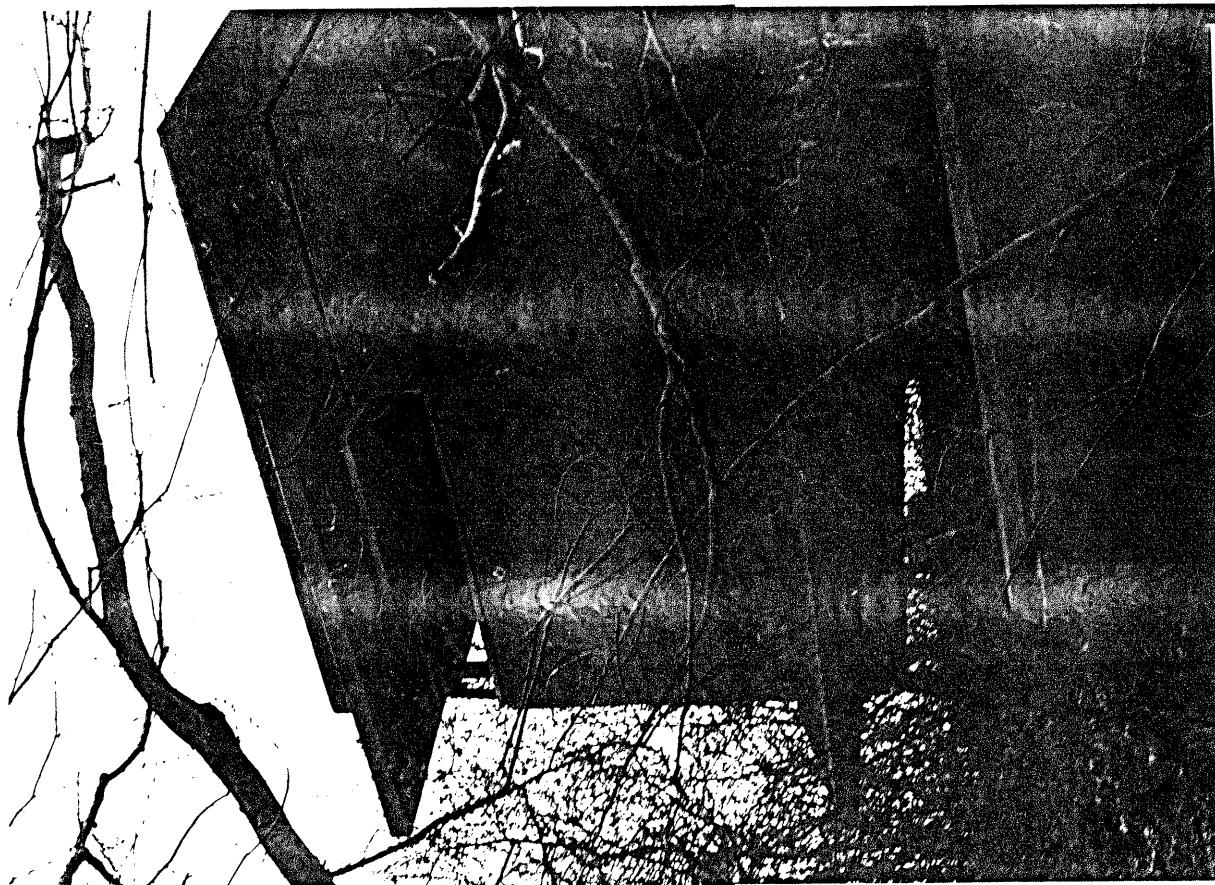
Battery 201, 1944, Cape Elizabeth, Me.



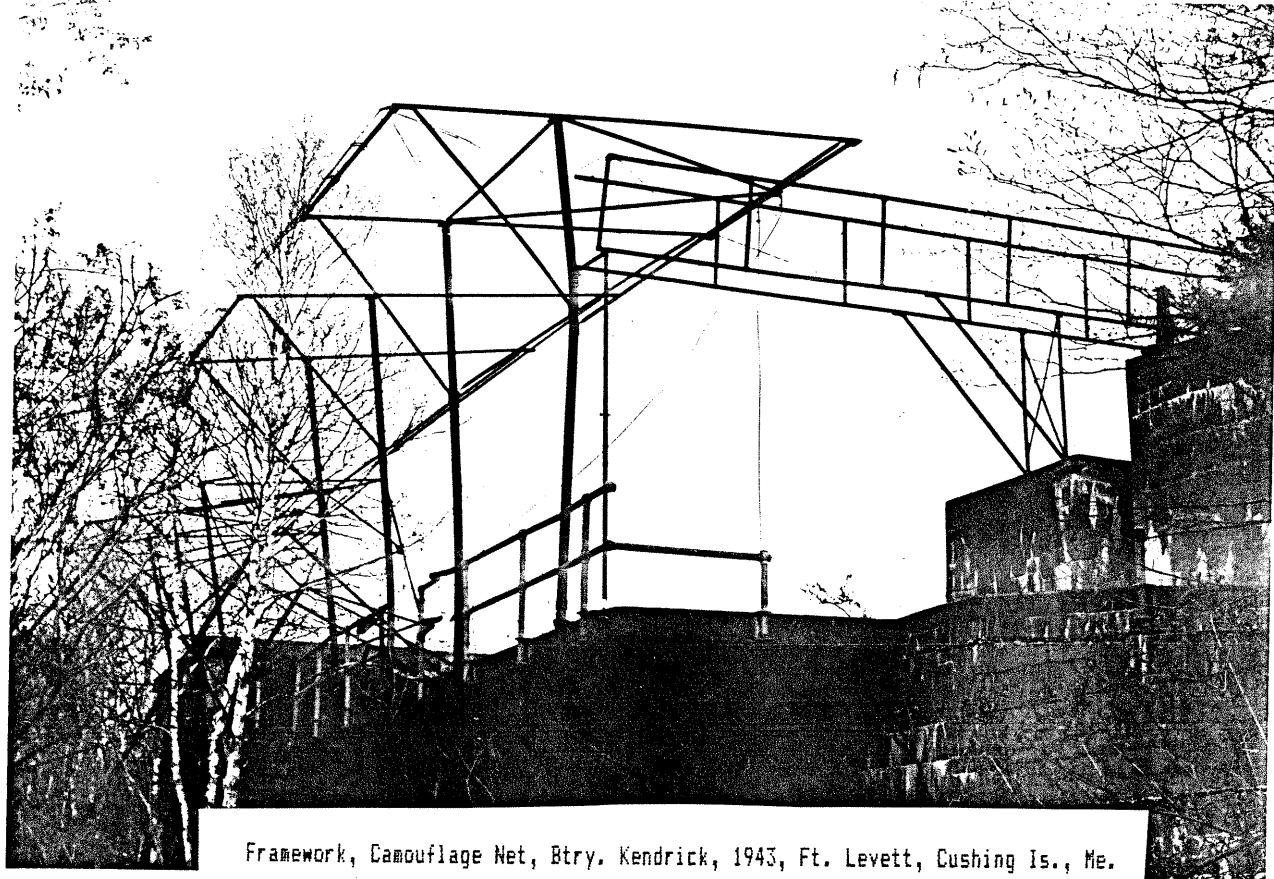
Company Administration and Storehouse, 1941, Fort Williams, Cape Elizabeth, Me.



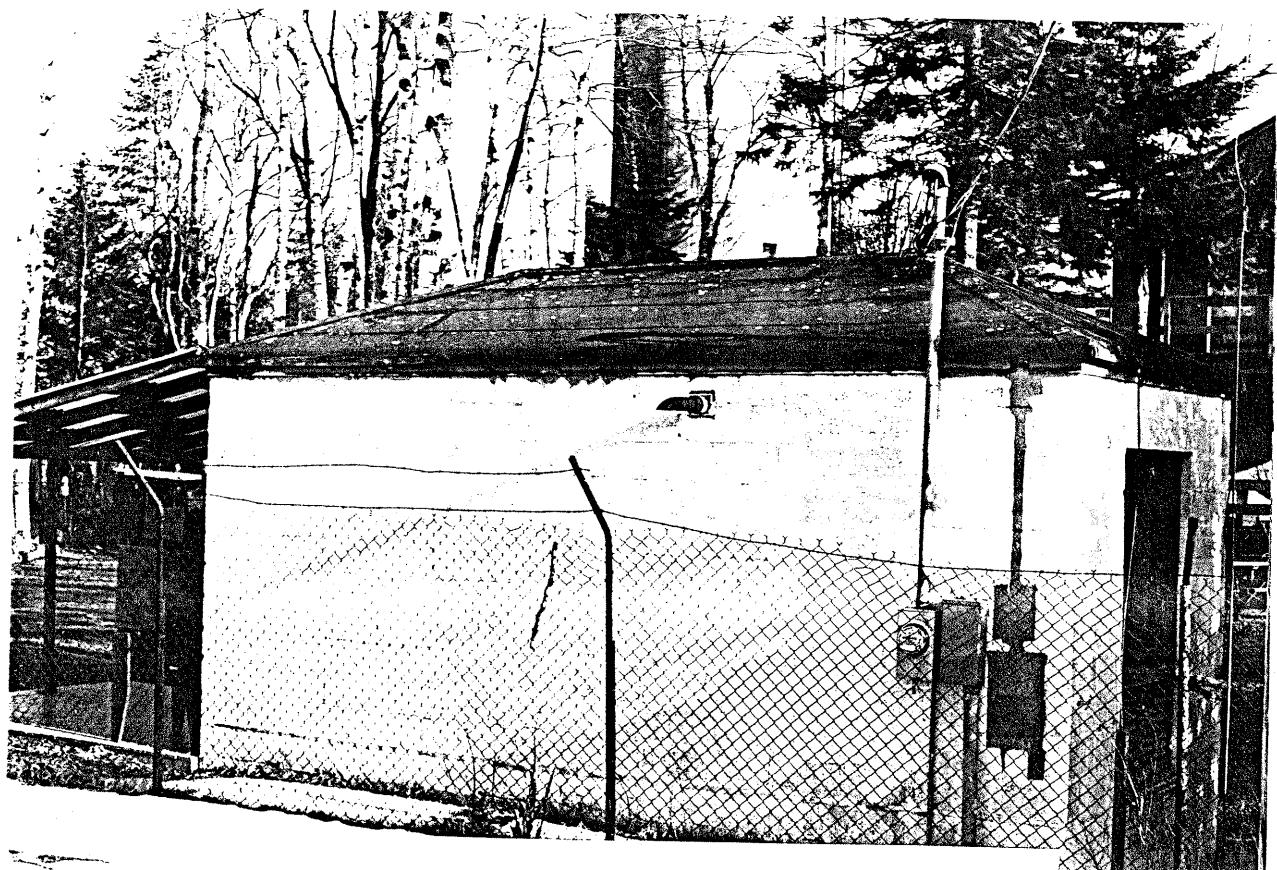
Double Nine Control Station, 1944, Peaks Island, Me.



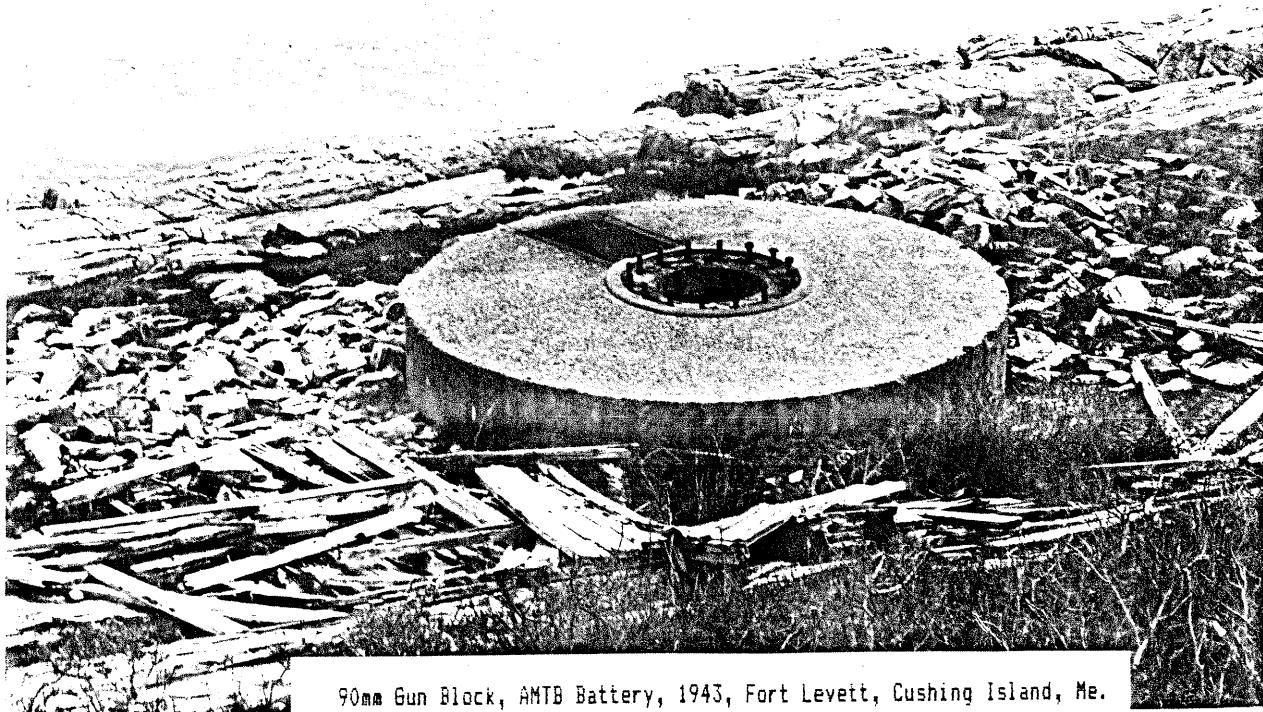
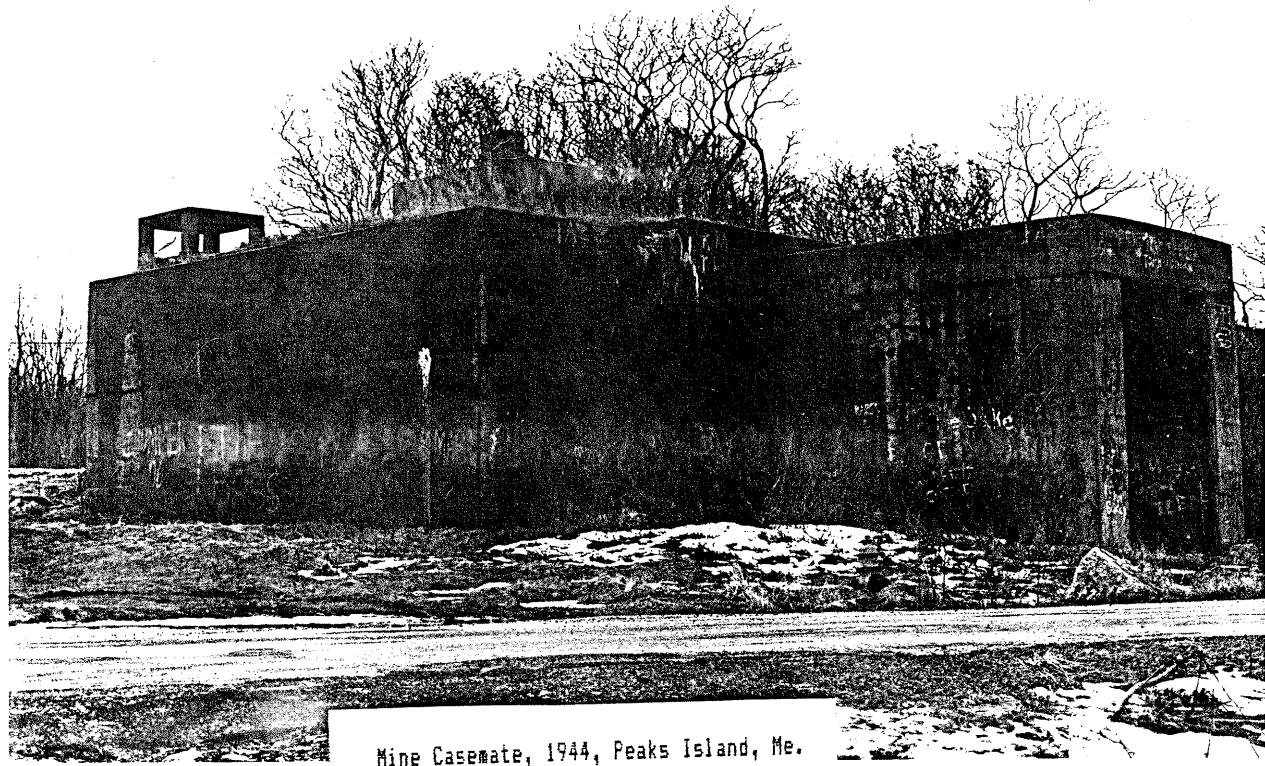
Double Nine Control Station, 1944, Fort Leveet, Cushing Island, Me.

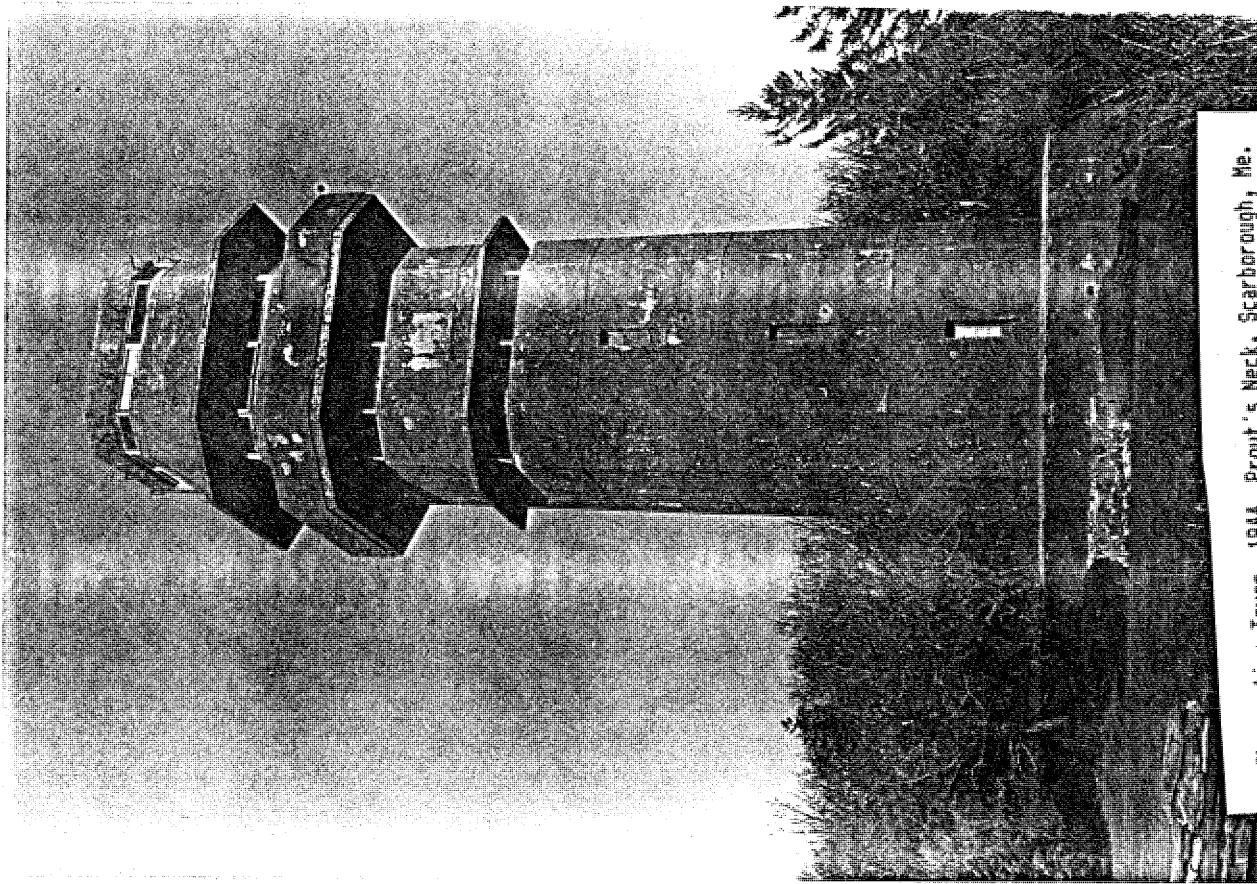


Framework, Camouflage Net, Btry. Kendrick, 1943, Ft. Levett, Cushing Is., Me.



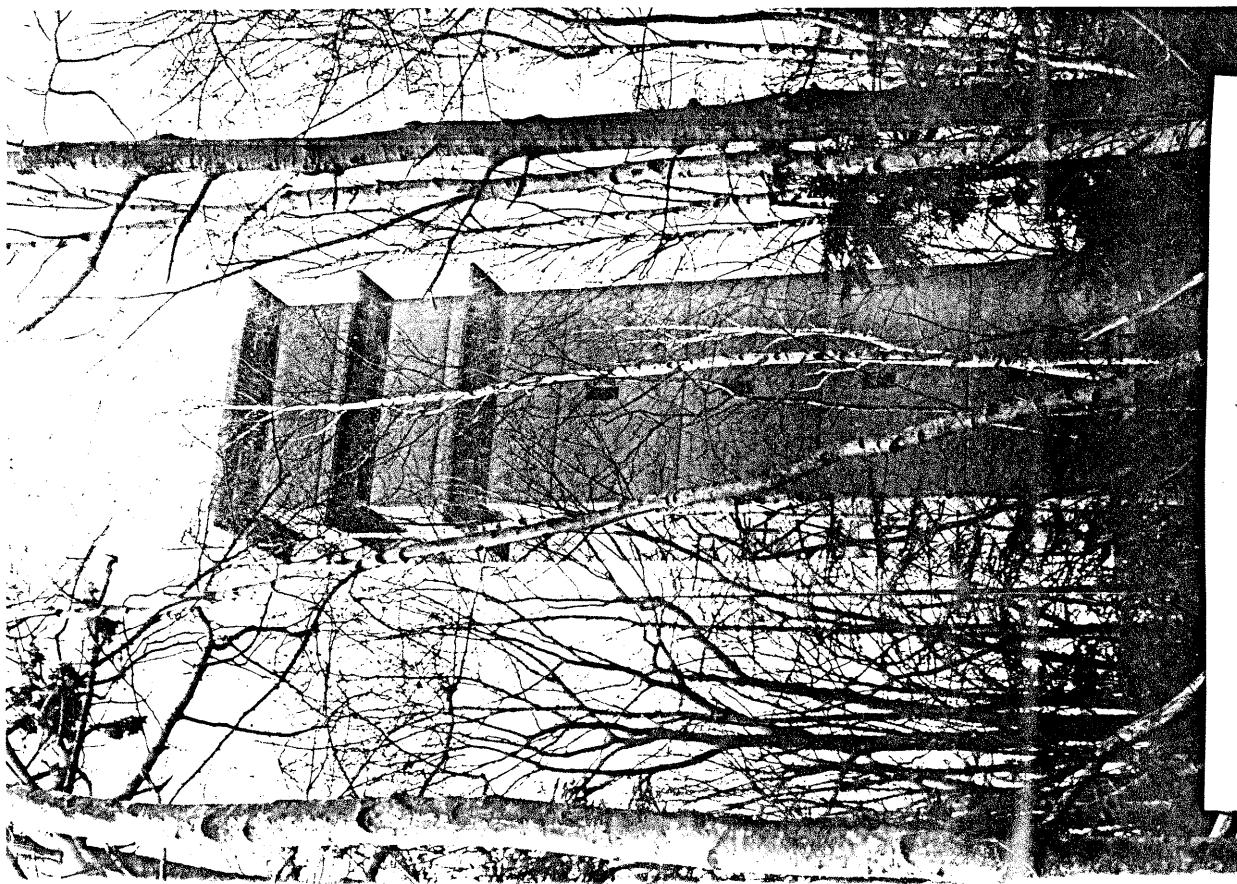
Generator Building, Radar Station, 1944, Long Island, Me.



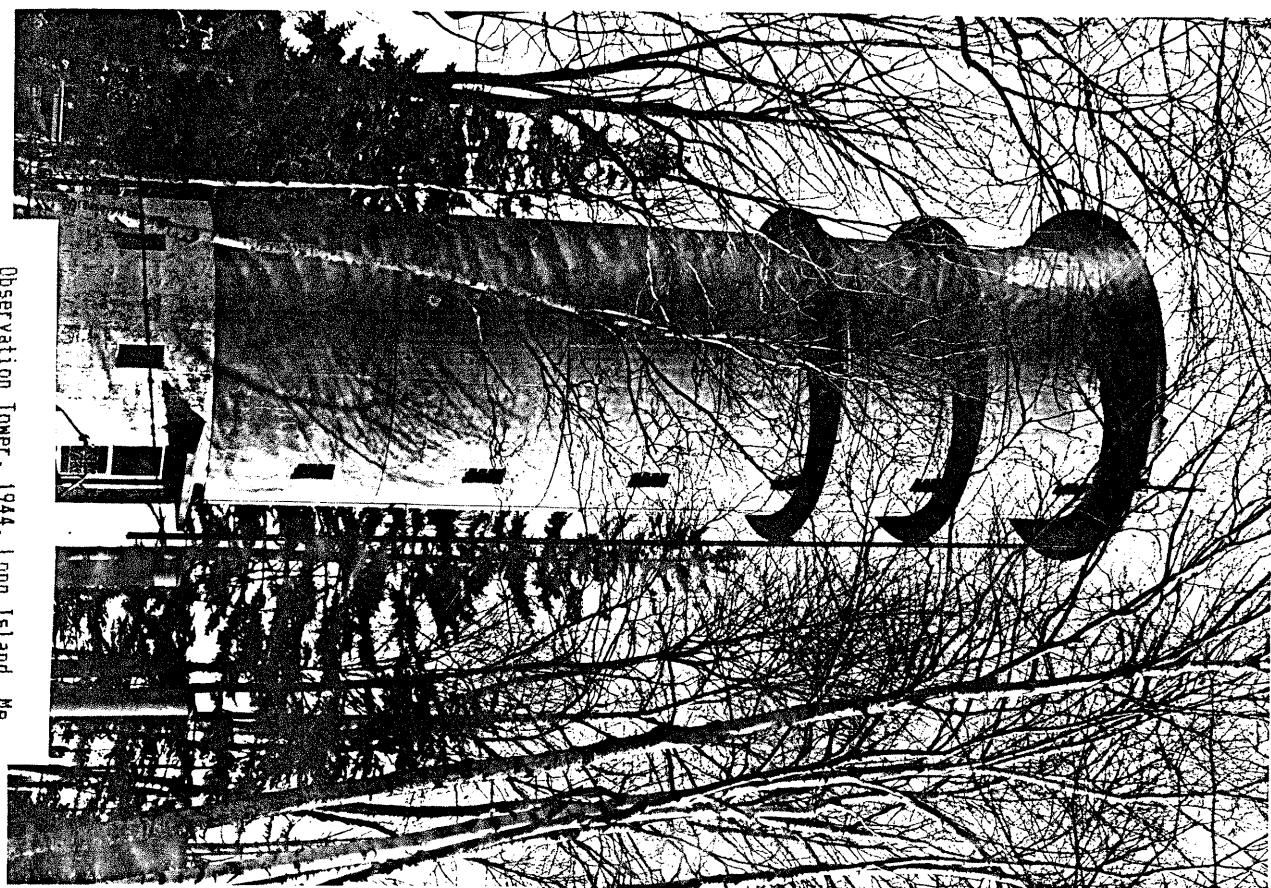


Observation Tower, 1944, Prout's Neck, Scarborough, Me.

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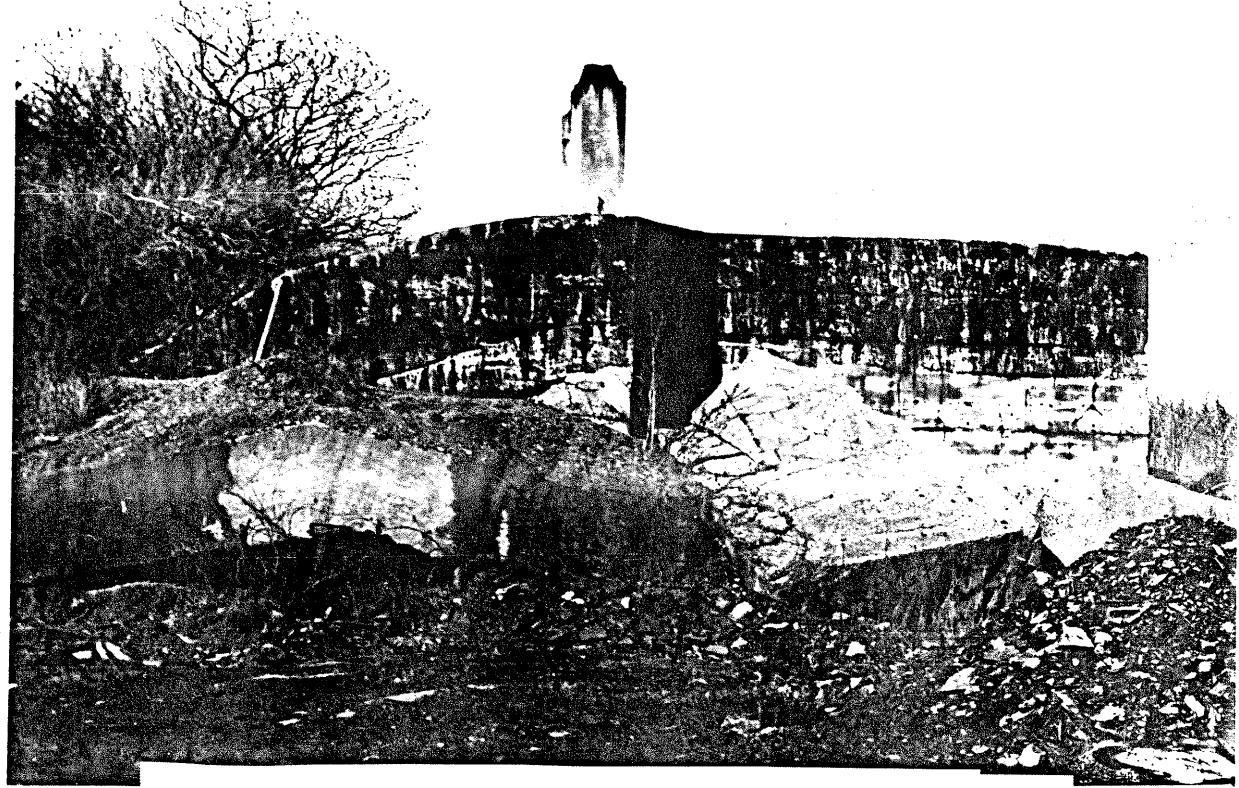
Observation Tower, 1944, Fort Leavett, Cushing Island, Me.



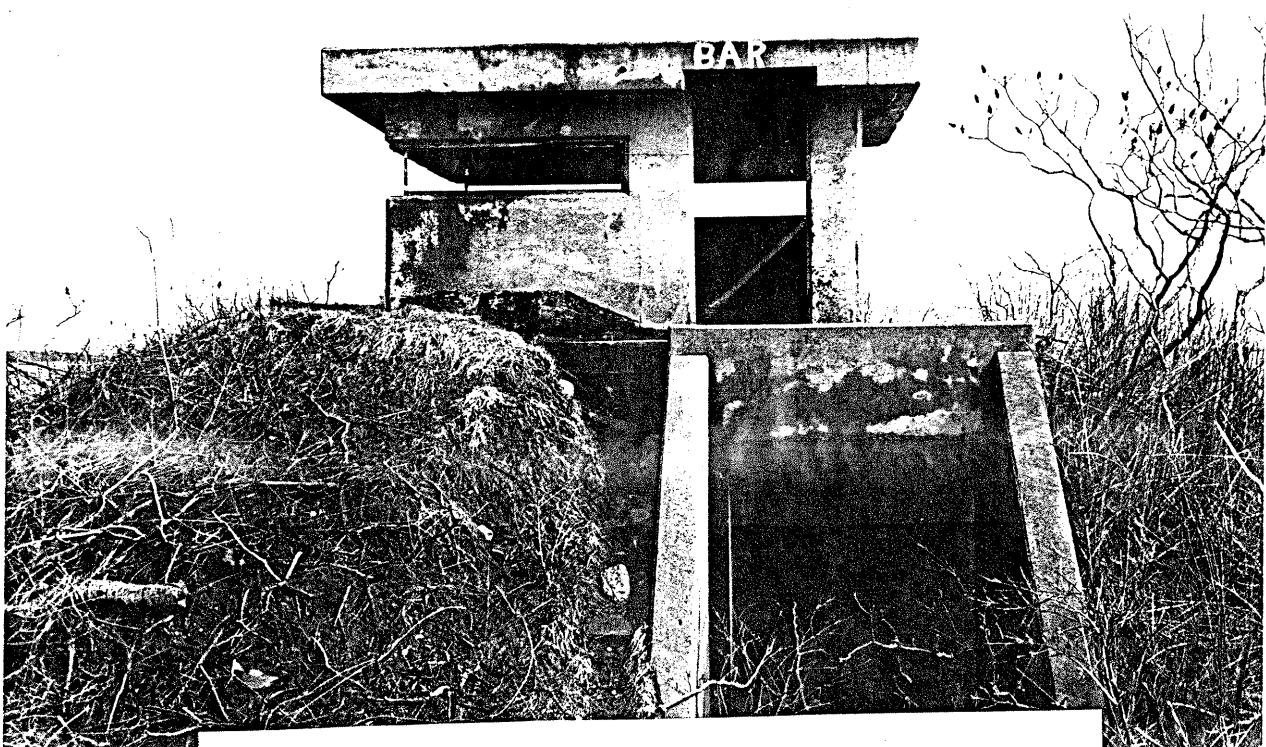
Observation Tower, 1944, Long Island, Me.



Officers Quarters and Mess, 1941, Fort Williams, Cape Elizabeth, Me.



Plotting, Switchboard and Radio Room, Battery Steel, 1944, Peaks Island, Me.



Range Finder Station and Magazine, AMTB Battery, 1943, Peaks Island, Me.


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