

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

NOTE: This Sheet supersedes Sheet dated Sept. 1, 1921

HARBOR DEFENSES OF Narragansett Bay, R. I.
FORT Wetherill
BATTERY Varnum

Form 1 Corrected to November 1, 1927.

No. of guns 2 Caliber 12" Carriage Barb.L.F.

Battery commenced June 1898. Source of electric current Emplacement plant in battery.
Battery completed Aug. 1899.
Date of transfer Feb. 15, 1901. Max. KW required for lights 2.6
Material of construction Concrete Max. KW required for motors 13.0
Portland or Rosendale cement Rosendale with Portland facing.
Cost to date of transfer \$146,703.50 (See back of form)
Connected to water supply Yes Present condition of battery Good
Connected to sewer No Rooms wet or dry Usually dry
Type of latrine None
Type of data transmission None How ventilated Grating doors and 2 ventilating shafts in each
Trunnion elevation in battery 46.67' emplacement.
M.L.W. Remarks:

Datum plane

ARMAMENT

Emplace- ment or	Guns xxxxxxxx						Carriages					
Mortar No.	Cal.	Length	Model	Serial No.	Manufacturer	Mounted	Type	Model	Serial No.	Manufacturer	Motor	
*1	12"	34'	1888MII	5	Watervliet Ars.	1899	Barb.LF	1892	23	Morgan Eng.Co	None	
*2	"	"	1886	14	do.	"	"	"	24	do		

HOISTS

Emplace- ment No.	Type	Delivery	Serial No.	Maker	H.P.	Volts	RPM	Type of control	Date of transfer	Remodeled for long points
1	T-R	Front	88608	Gen.Elec.Co.	7.5	110		R-96-A #166539	Oct.30,1907	in 1913
2	T-R	"	130555	do.	7.5	"		R-96-A #165345	do	do

*Abandonment & salvage directed by AG - 5/27/43 - 400.93 (Narr. Bay) CM 44247

REPORT OF COMPLETED WORKS

(Battery Plan)

Corrected to Dec. 1, 1925

FORM NO 7

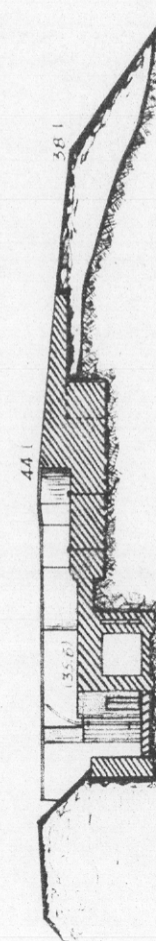
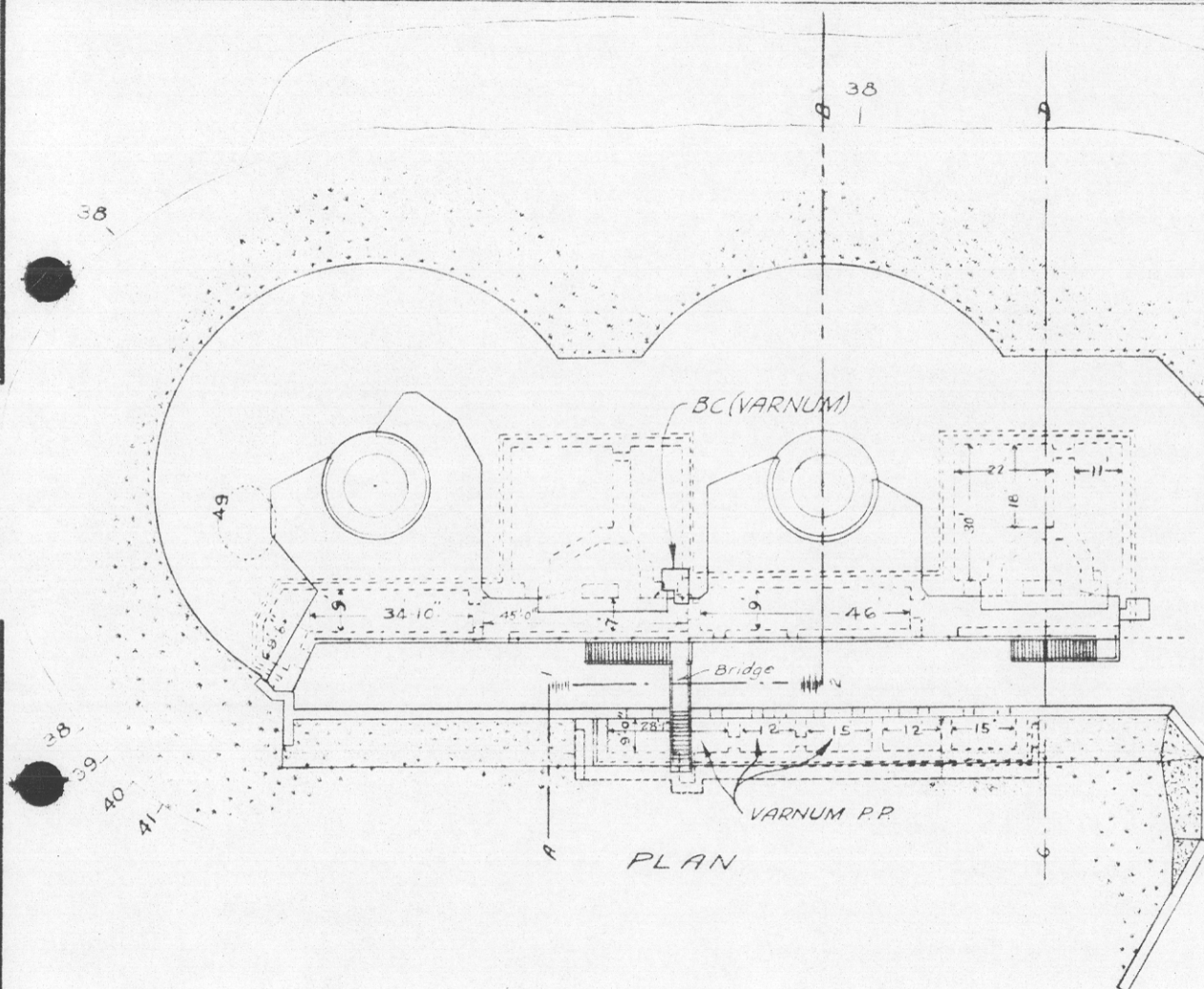
HARBOR DEFENSES OF NARRAGANSETT BAY

FORT WETHERILL, R.I.

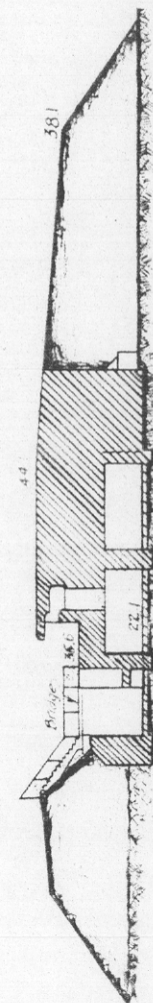
BATTERY VARNUM

No. of Guns - 2 Caliber - 12in Carriage - Barb.

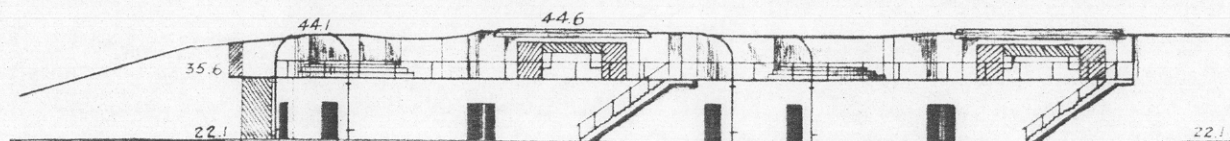
40' 20' 40' 80' 120'



SECTION A-I-B



SECTION C-D



REAR ELEVATION

S-43
A

21
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REPORT OF COMPLETED WORKS

(Battery Plan)

Corrected to Dec. 1, 1925

FORM NO 7

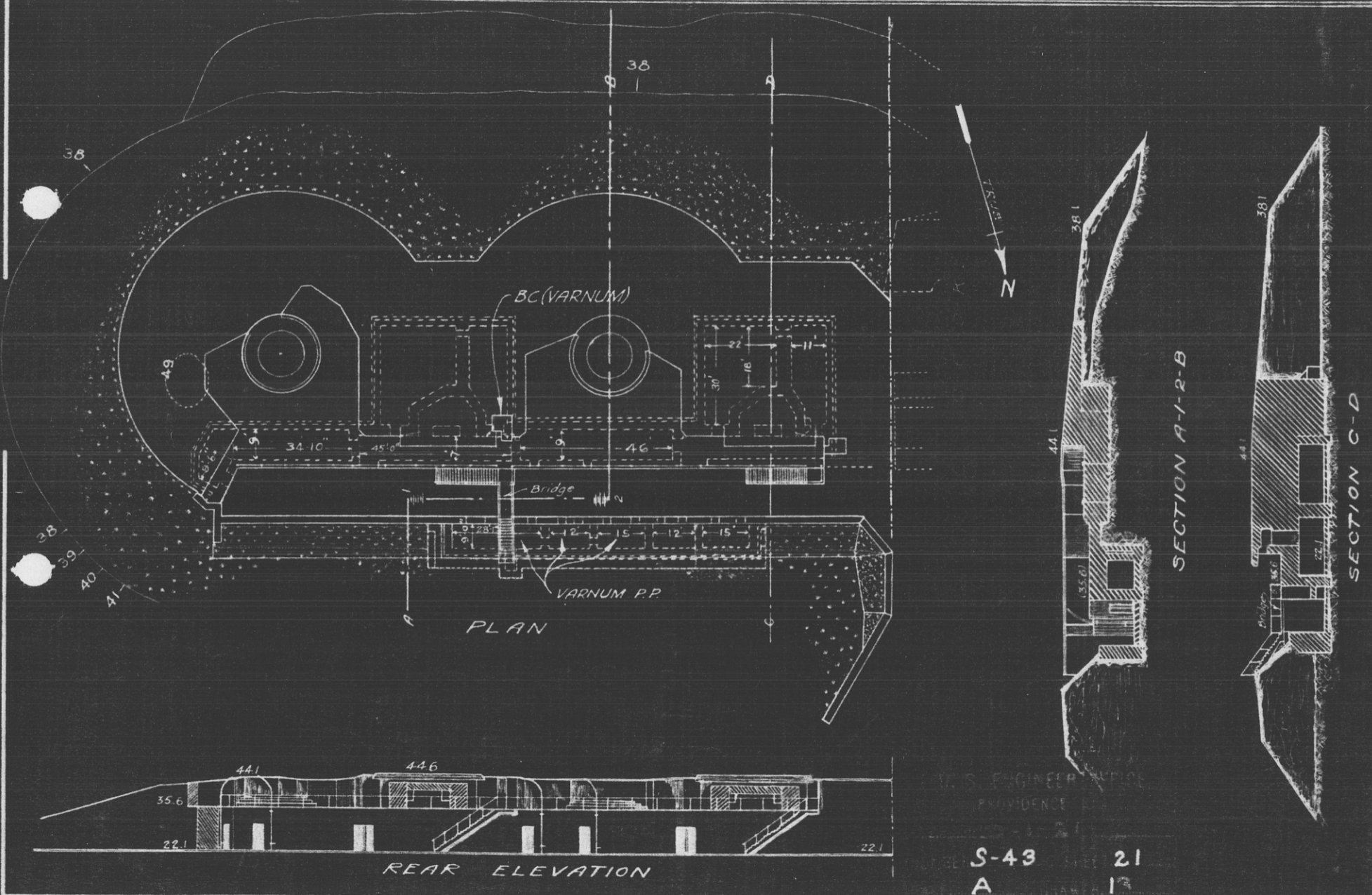
HARBOR DEFENSES OF NARRAGANSETT BAY

FORT WETHERILL, R.I.

BATTERY VARNUM

No. of Guns - 2 Caliber - 12in Carriage - Barb.

40' 20' 0' 40' 80' 120'



U.S. ENGINEER OFFICE
PROVIDENCE

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REPORT OF COMPLETED WORKS- SEACOAST FORTIFICATIONS
(Electric plants)

HARBOR

~~SEACOAST~~ DEFENSES OF

FORT

POWER FOR

Narragansett Bay

Wetherill

Battery Varnum Emplacement Plant.

Form 5.

Corrected to: Dec. 1, 1925.

①

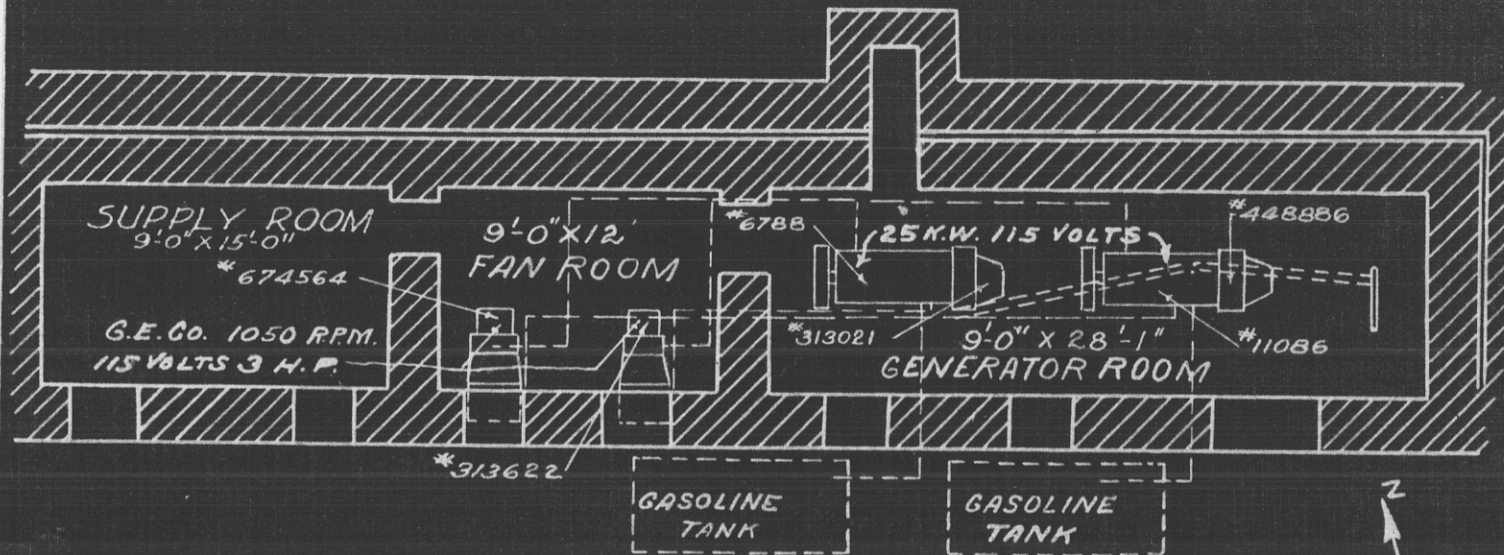
	Serial No.	Type	Size	Manufacturer	Date of transfer	Cost	Condition	RPM	Belt or direct drive	Radiator for Engine No.	Fuel	Switchboards	
												Material	No. of panels.
Boiler No. 1													
No. 2													
No. 3													
Engine No. 1	X 6788	GM 12	43/54 HP	Gen. Elec. Co.	Apr. 21/11		Good	560	Direct		Gas.		
No. 2	X 11086	GM 12	43/54 HP	Gen. Elec. Co.	Dec. 14/20		Good	560	Direct		Gas.		
No. 3													
Generator													
No. 1	X 313021	MP 6	25 KW	Gen. Elec. Co.	Apr. 21/11	Total cost \$9,611.42	Good	560	Direct				
No. 2	X 448886	MPC 6	25 KW	Gen. Elec. Co.	Dec. 14/20		Good	560	Direct				
No. 3													
Radiator													
No. 1	None	-	-	Rome Turney Co.	Apr. 21/11	Total cost \$9,611.42	Good			6788			
No. 2	X 10380	FF 54		Gen. Elec. Co.	Dec. 14/20		Good			11086			
No. 3													
Motor-generator													
No. 1						Total cost \$9,611.42							
No. 2													
No. 3													
Switchboard													
	4	Std.		Walker Elec. Co.	Apr. 21/11		Good					Marble	2
Storage Battery	344	Std.		Walker Elec. Co.	Dec. 14/20		Good					"	1
Transformer													
No. 1													
No. 2													
No. 3													
Auxiliaries													
(Motor) No. 1	313622	OQ 3	3 HP	Gen. Elec. Co.	Apr. 21/21		Good	1050	Direct	6788			
" No. 2	674564	CVC112	3 HP	Gen. Elec. Co.	Dec. 14/20		Good	1150	Direct	11086			
No. 3													

For disposal see 470.3 (1st Sec Com) 11-5920

DISTRIBUTION OF K.W. Lighting Batteries Varnum & Cooke 3.2, B.G. Station Varnum 0.25, M'M' Station 0.7, Mining Buildings and wharf 6., Power for 2-12" projectile hoists and 1 davit hoist 13., 1-36" searchlight 14.3, and 1 portable electric pump 6.9. Total 44.35

① Alterations for Commercial Current approved 4/20/41 - 675.1 (Narr. Bay) 5-9

FORT WETHERILL BATTERY VARNUM
POWER PLANT



POWER PLANT
BATTERY VARNUM
FORT WETHERILL R.I.

Corrected to Dec. 1, 1925

SCALE 1"=8'-0" (APPROX)

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

HARBOR DEFENSES OF Narragansett Bay, R. I.
FORT Wetherill
BATTERY Wheaton
No. of guns 2 Caliber 12" Carriage Dis. L.F.

Form 1 Corrected to November 1, 1927.

Battery commenced March 1903
Battery completed July 1904
Date of transfer May 7, 1908
Material of construction Concrete
Portland or Rosendale cement Portland
Cost to date of transfer \$200,000. (See back of form)
Connected to water supply Yes
Connected to sewer Yes
Type of latrine Separate structure in rear. (Frostproof)
Type of data transmission None
Trunnion elevation in battery #1 86.13; #2 86.15'
M.L.W.
Datum plane

:Source of electric current Emplacement plant in battery.
:Max. KW required for lights 8.2
:Max. KW required for motors 17.1
:Present condition of battery Good
:Rooms wet or dry Dry, lined with Shawnee brick.
:How ventilated Window gratings; 6" ventilating shafts in air spaces, with hood tops.
:Remarks:

ARMAMENT

Guns and Mortars						Carriages					
Emplace- ment or Mortar No.	Cal.	Length	Model	Serial No.	Manufacturer	Mounted	Type	Model	Serial No.	Manufacturer	Motor
1	12"	40'	1900	11	Watervliet Ars.	Jun 1905	Dis.	1901	2	Watervliet Ars.	Retract-
2	"	"	"	10	do.	Apr 1906	"	"	11	do.	ing.

HOISTS

Emplace- ment No.		Type	Delivery	Serial No.	Maker	H.P.	Volts	RPM	Type of control	Date of transfer	Remodeled for long points
1		T.R.	Back	643797	Gen. Elec. Co.	5½	110	800	Contactor	Sept. 30, 1918	Wide type for
2		"	"	652236	do.	5½	"	"	"	"	long points.

NOTE: This Sheet supersedes Sheet dated Sept. 1, 1921

REPORT OF COMPLETED WORKS

(Battery Plan)

Corrected to Dec. 1, 1925

FORM NO. 7

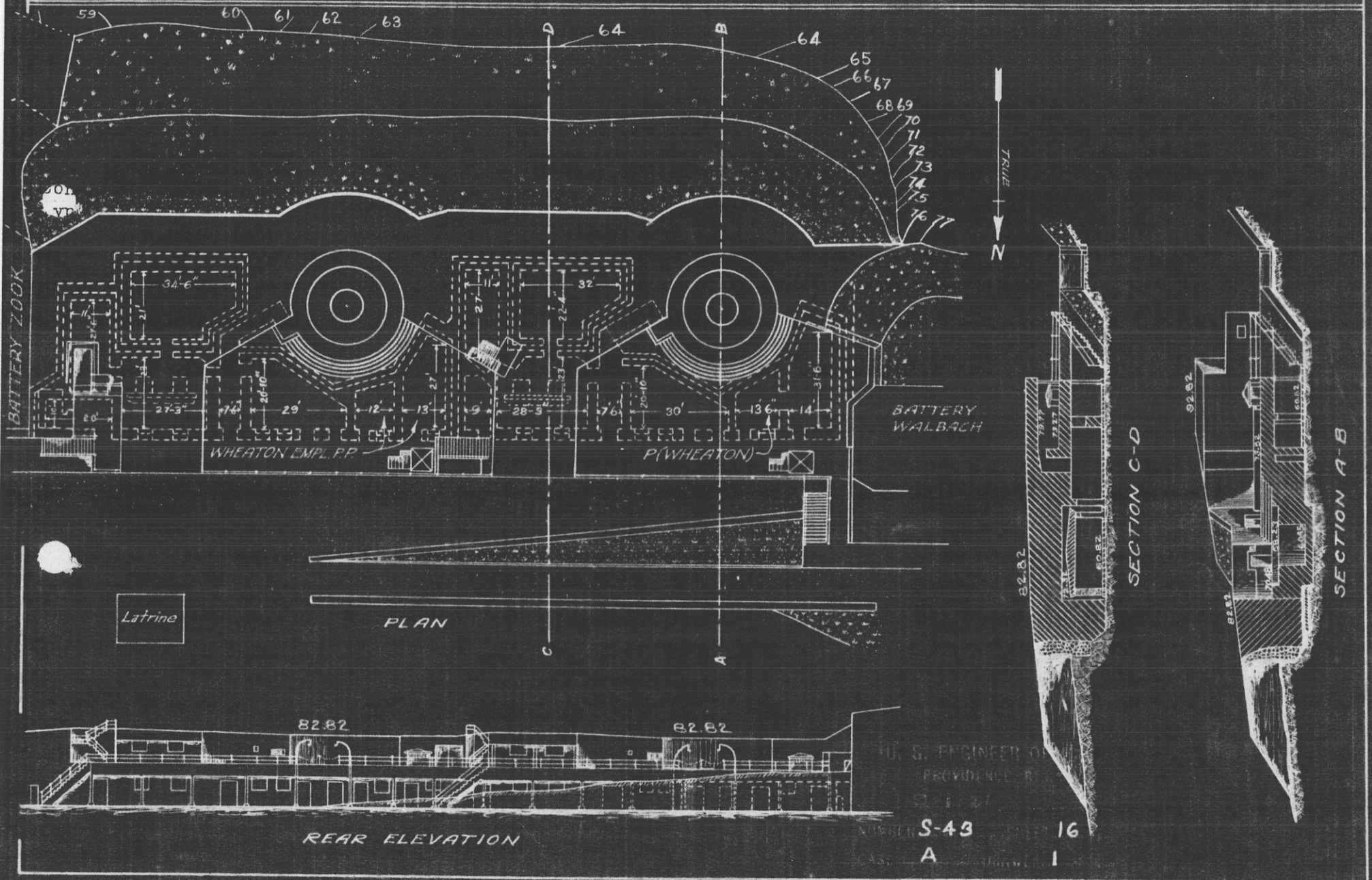
HARBOR DEFENSES OF NARRAGANSETT BAY

FORT WETHERILL, R.I.

BATTERY WHEATON

No. of Guns - 2 Caliber - 12 in. Carriage - Dis.

40' 20' 0' 40' 80' 120'



U. S. ENGINEER OF
PROVIDENCE, R. I.

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REPORT OF COMPLETED WORKS

(Battery Plan)

Corrected to Dec. 1, 1925

HARBOR DEFENSES OF NARRAGANSETT BAY

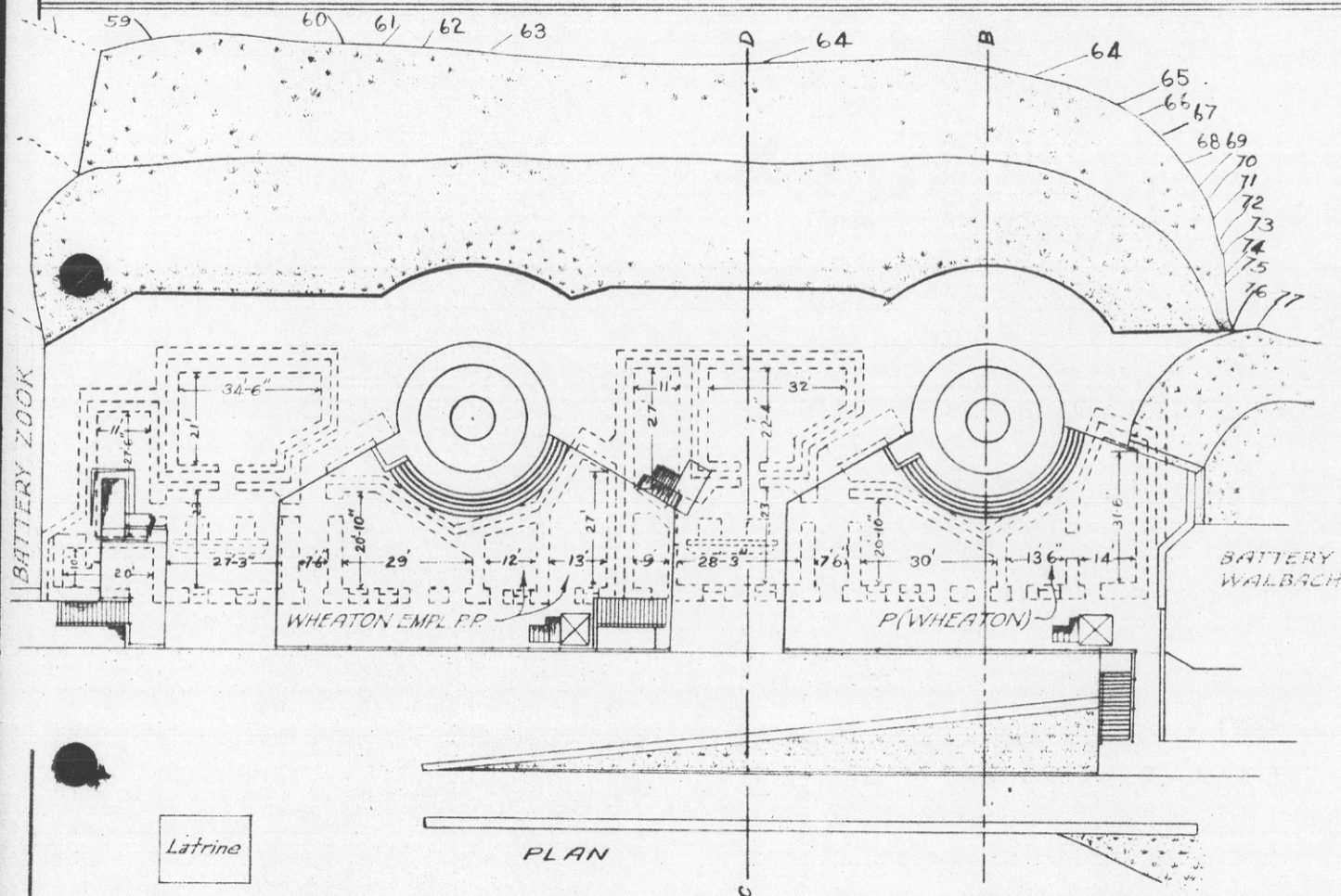
FORT WETHERILL, R.I.

BATTERY WHEATON

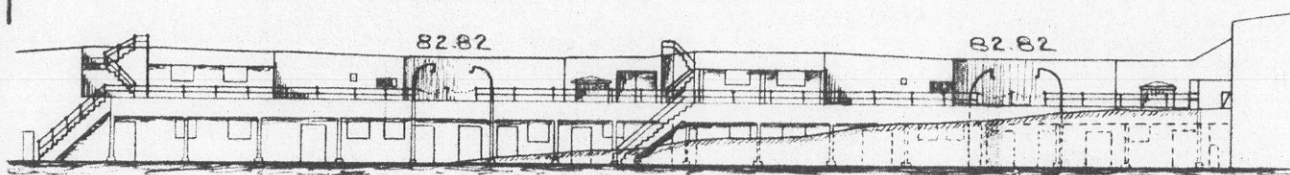
No. of Guns - 2, Caliber - 12 in. Carriage - Dis.

40' 20' 0' 10' 80' 120'

FORM NO. 7

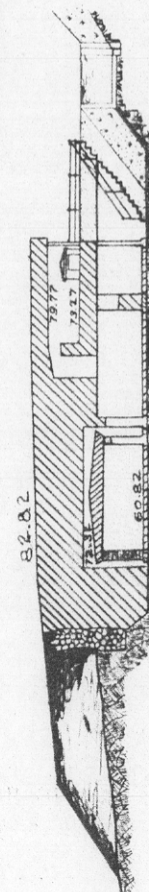


PLAN

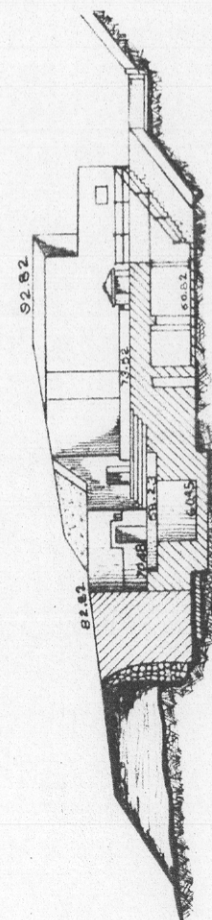


REAR ELEVATION

TRUE N



SECTION C-D



SECTION A-B

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REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
(Fire Control or Torpedo Structures)

Form 2. Corrected to June 30, 1923.

COAST DEFENSES OF Marragansett Bay.....
FORTWetherill, R. I......
STRUCTURE ...Plotting Room.....



P (Wheaton)

Location In Battery Wheaton, Emplacement No. 1. Type of data transmission Telephones.

Date of transfer Aug. 8, 1922. Date of transfer _____

Cost to that date \$12.55 (Electric Wiring) Cost of data transmission _____

Time of construction _____ equipment _____

(a) Roof Reinforced concrete For tide stations give descrip-

(b) Remainder of bldg. Concrete, walls and ceiling tion of tide gauge _____

How concealed Incorporated in battery. For datum points give Ports _____

How protected Incorporated in battery. from which visible _____

Height above concealment None For dormitories give _____

Height above protection None stations served _____

Conspicuous at yards. not conspicuous For cable hut give _____

Source of electric current Battery Wheaton Emp. Plant S. C. type _____

Kilowatts required 0.350

Type of lighting fixtures Reflectolyte & Wall

How heated Not heated.

Connected to water mains No

Connected to sewer No

Type of latrine None

manent or temporary _____

installation Permanent

Present condition Good

Reference of site floor 60.87' above M.L.W.

Reference of instrumental _____

axis. _____

Type of observing inst. _____

Type of plotting board 110 Degree Model 1915.

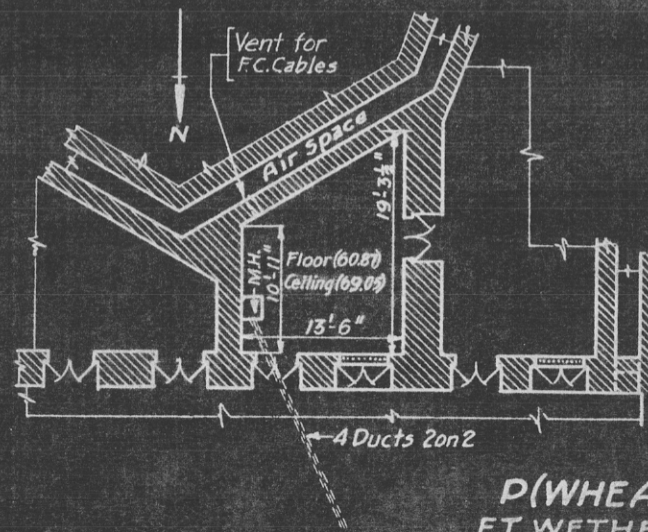
Type and capacity of crane _____

Max. dimensions of reel _____

handled _____

See Fort. Index Plat, Rev. of Apr. 4, 1938;

"Tactical No. 8".



P(WHEATON)
FT. WETHERILL R.I.
SCALE $\frac{1}{16}$ "=1'-0"

REPORT OF COMPLETED WORKS- SEACOAST FORTIFICATIONS
(Electric Plants)

HARBOR

~~COAST~~ DEFENSES OF

FORT

POWER FOR

Narragansett Bay

Wetherill, R. I.

Battery Wheaton Emplacement Plant

Form 5.

Corrected to: Dec. 1, 1925.

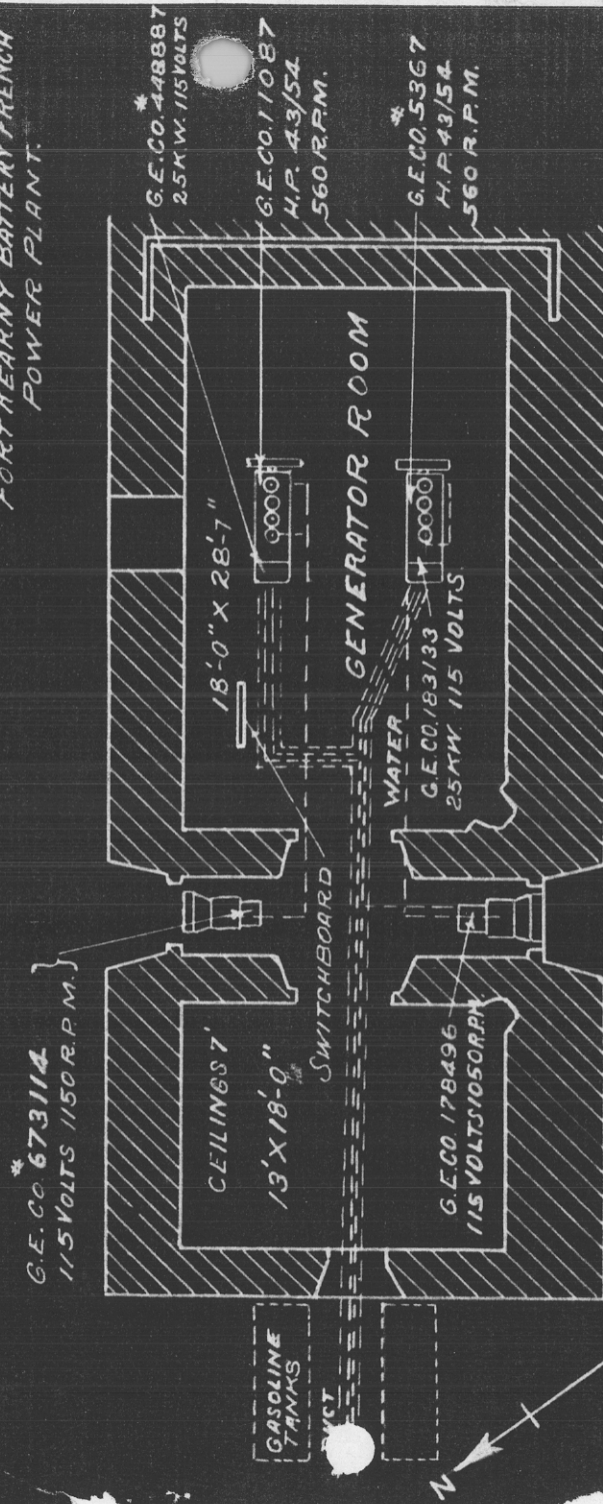
	Serial No.	Type	Size	Manufacturer	Date of transfer	Cost	Condition	RPM	Belt or direct drive	Radiator for Engine No.	Fuel	Switchboards	
												Mate-rial	No. of panels.
Boiler No. 1													
No. 2													
No. 3													
Engine No. 1	6789	GM 12	43/54	HP Gen.Elec.Co.	June 16/11		Good	560	Direct		Gas.		
No. 2	11079	GM 12	43/54	HP Gen.Elec.Co.	Dec. 14/20		Good	560	Direct		Gas.		
No. 3													
Generator													
No. 1	313022	MP 6	25 KW	Gen.Elec.Co.	June 16/11	Total cost \$9,702.53	Good	560	Direct				
No. 2	448879	MPC6	25 KW	Gen.Elec.Co.	Dec.14/20		Good	560	Direct				
No. 3													
Radiator													
No. 1	None	-		Rome Turney Co.	June 16/11		Good			6789			
No. 2	10373	FF 54		Gen.Elec.Co.	Dec.14/20		Good			11079			
No. 3													
Motor-generator													
No. 1													
No. 2													
No. 3													
Switchboard	5	Std.		Walker Elec.Co.	June 16/11		Good					Marble	3
	345	Std.		Walker Elec.Co.	Dec.14/20		Good					Marble	1
Storage Battery													
Transformer													
No. 1													
No. 2													
No. 3													
Auxiliaries													
(Motor) No. 1	314397	CQ3	3 HP	Gen.Elec.Co.	June 16/11		Good	1050	Direct	6789			
No. 2	656410	CVC112	3 HP	Gen.Elec.Co.	Dec.14/20		Good	1150	Direct	11079			
No. 3													

DISTRIBUTION OF K.W. Lighting Batteries Wheaton 8.2, Dickenson 2.1, Crittenden 0.6; Power, Wheaton 17.1, Dickenson 4.5,

Lighting dismounted Battery Zook, 3.5, Total 36.0 ① Alterations for Commercial Current

NOTE:- Interconnected with Battery Walbach Power Plant. approved 4/28/41 - 675.1 (Narr. Bay) 59

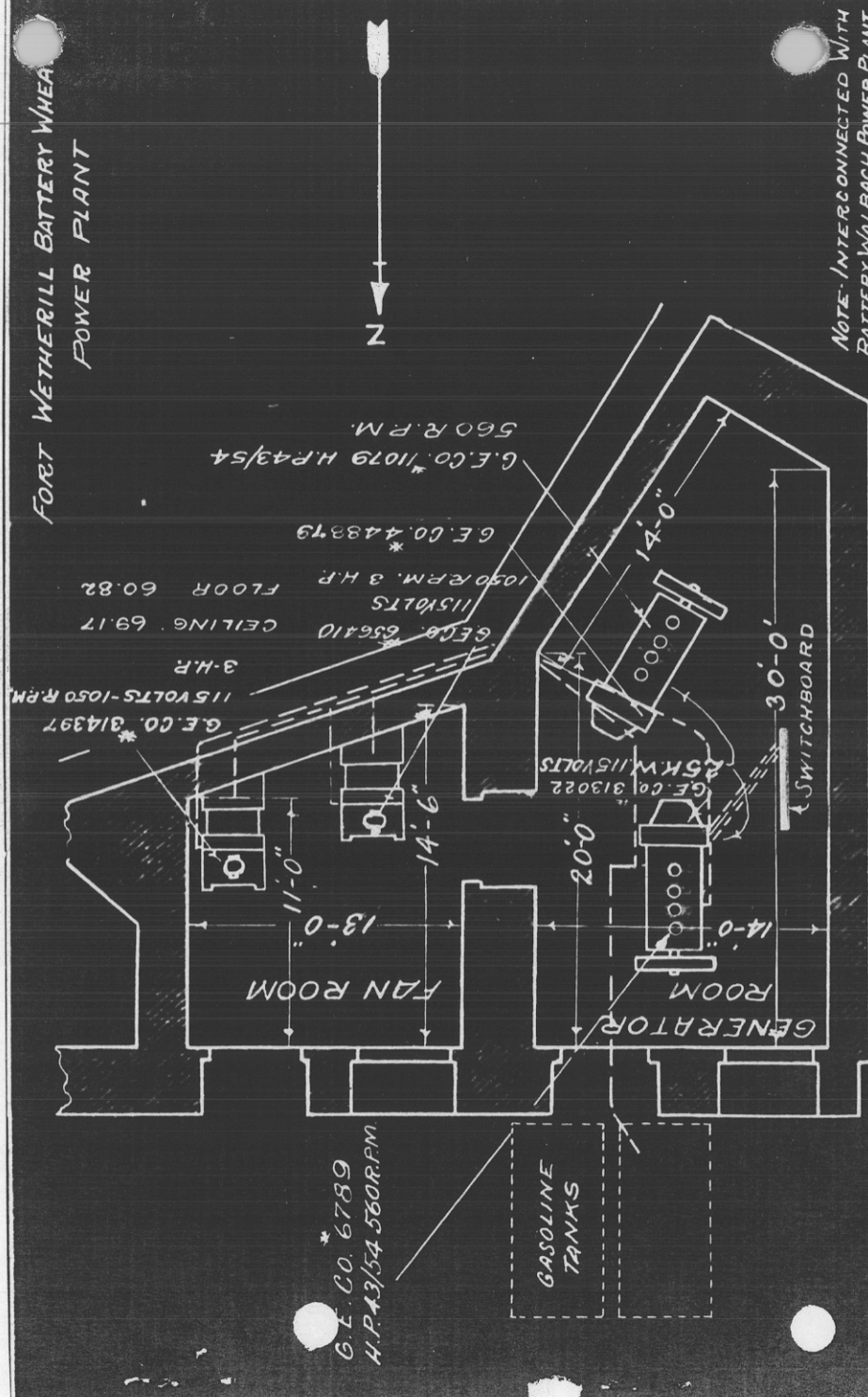
FORT KEARNY BATTERY FRENCH POWER PLANT.



FORT KEARNY BATTERY FRENCH POWER PLANT

CONNECTED TO Dec. 1, 1925

FORT WETHERILL BATTERY WHEA POWER PLANT



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

Form 1 Corrected to: June 15, 1925.

COAST DEFENSES OF Narragansett Bay, R.I.

FORT
BATTERY

Wetherill

Walbach

* No. of guns 3 Caliber 10" Carriage Dis.

Battery commenced May, 1901
Battery completed June, 1904
Date of transfer May 7, 1908
Material of construction Concrete
Portland or Rosendale cement Portland
to date of transfer \$119,170.70
Connected to water supply Yes
Connected to sewer Yes
Type of latrine None
Type of data transmission None
Tumion elevation in
battery #1 95.29'; #2 95.31'
Datum plane m.l.w.

Sources of electric current

Max. kw. required for lights

Max. kw. required for motors

Present condition of battery

Rooms wet or dry

How ventilated

Remarks-

Emplacement plant in battery

8.2

26.

Good

Dry. Rooms lined with Shawnee brick.

Window gratings; 6" ventilating
shafts in air spaces, with hood tops.

#3 Gun and carriage removed in 1918.

ARMAMENT (See remarks)

Emplacement or Mortar No.	Guns or Mortars						Carriages				
	Cal.	Length	model	Serial No.	Manufacturer	Mounted	Type	Model	Serial No.	Manufac.	Motor
1	10"	28' 4"	1888MII	41	Bethlehem Iron Co.	1903	Dis.	1896	3	Niles	Retracting
2	10"	do	do	45	do	do	do	do	2	Tool Works.	do
3											
4											
5		(34 cal)									

See L60.2-14, 9th Ind. Guns to be retained & reported to
Chief of Ordnance for shipping instructions. May be used in
replacing guns #38 & #47 at Bry. Harlow, Ft. H.G. Wright

HOISTS

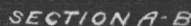
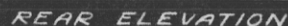
See L60.2-14, 9th Ind. Carriages to be sold as scrap, retaining for
for use as spars the parts listed in correspondence, reporting them
to Chief of Ordnance by weight for shipping instructions.

Emplacement Number	Type	Delivery	Motor						Date of Transfer	Remodeled for long points
			Serial No.	Maker	H.P.	Volts	RPM	Type of Control		
1	T-R	Back	81733	G.E.Co.	5	110	1045	R 67 #136237	July 17'16	Yes
2	do	do	81783	do	5	110	1045	R 67 #136236	do	Yes
3	Hodges	"	83681	"	5	110	1045	U.S. Form E	"	No

* See Fort. Index Plat, Rev. of Apr. 4, 1938 :- "Armament not required in Project"

FORM NO.7

No. of Guns - 3 Caliber - 10 in. Carriage Dis.



REPORT OF COMPLETED WORKS

(Battery Plan)

Corrected to Dec. 1, 1925

FORM NO. 7

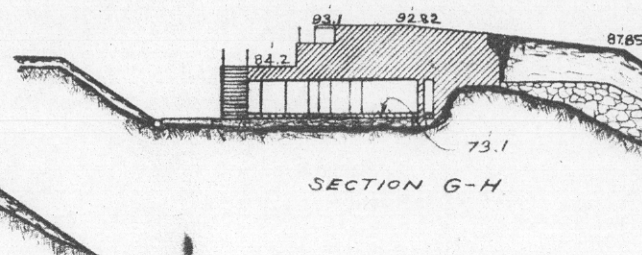
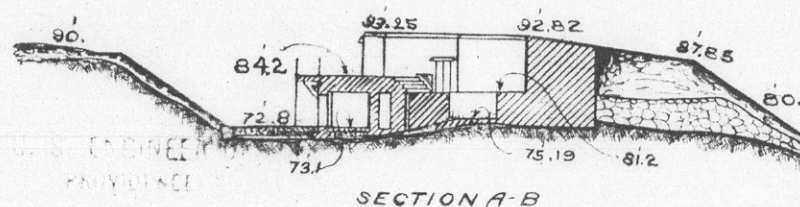
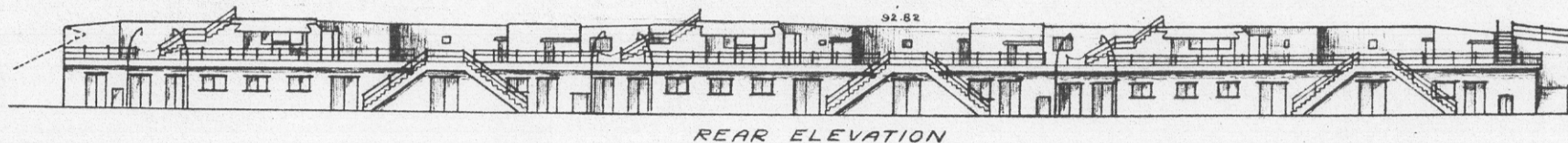
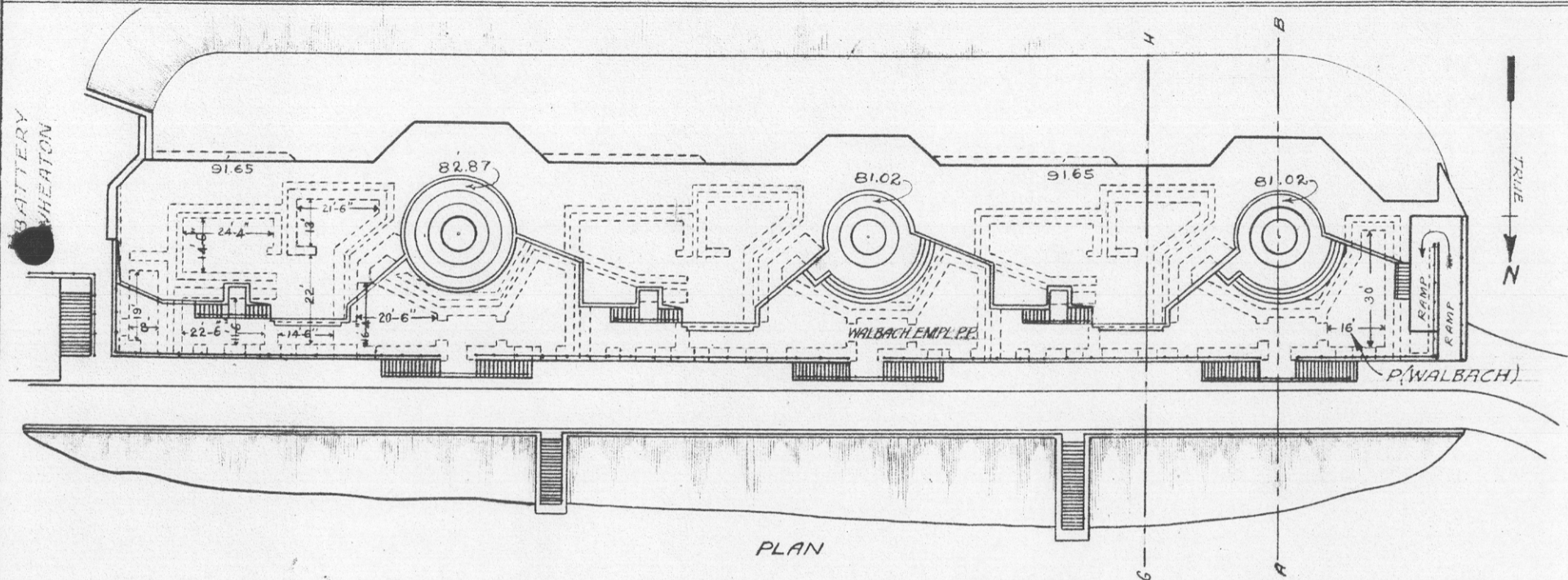
HARBOR DEFENSES OF NARRAGANSETT BAY

FORT WETHERILL, R.I.

BATTERY WALBACH

No. of Guns - 3 Caliber - 10 in. Carriage Dis.

40' 20' 0' 40' 80' 120'



S-43 22
A 1

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
(Fire Control or Torpedo Structures)

COAST DEFENSES OF Narragansett Bay.....
PORT Wetherill, R. I......
STRUCTURE Plotting Room.....

Form 2. Corrected to June 30, 1923.

(P) Walbach

Location In Battery Walbach, Emplacement No. 1. Type of data transmission Telephones.

Date of transfer Aug. 8, 1922. Date of transfer _____

Cost to that date \$32.21 (Electric wiring) Cost of data transmission _____

Type of construction _____ equipment _____

(a) Roof Reinforced Concrete For tide stations give descrip-
tion of tide gauge _____

(b) Remainder of bldg. Concrete walls and ceiling
lined with white brick. For datum points give Ports _____

How concealed Incorporated in battery. from which visible _____

How protected Incorporated in battery. For dormitories give _____

stations served _____

For cable hut give _____

S. C. type _____

Height above concealment None

Height above protection None

Conspicuous at _____ yards. not conspicuous.

Source of electric current Battery Walbach Emp. Plant

Kilowatts required 0.550

Type of lighting fixtures Reflectalys & wall

How heated Fireplace

Connected to water mains No

Connected to sewer No

Type of latrine None

Permanent or temporary _____

installation Permanent

Present condition Good

Reference of site Floor 73.10' above M.L.W.

Reference of instrumental _____

axis. _____

Type of observing inst. _____

Type of plotting board Whistler-Hearn Model 1904.

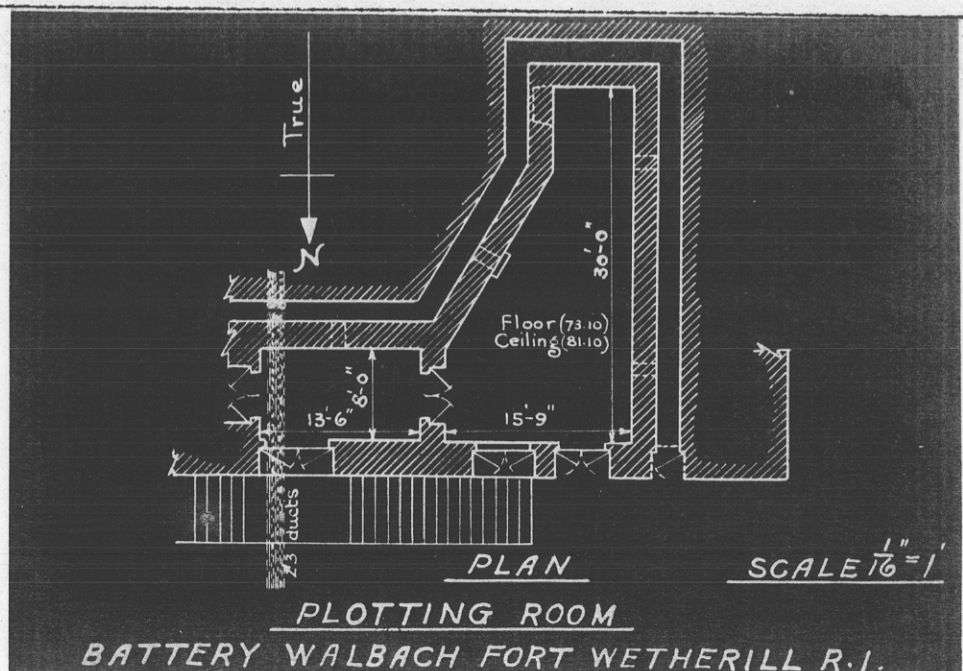
Type and capacity of crane _____

Max. dimensions of reel _____

handled _____

See Fort. Index Plat, Rev. of Apr. 4, 1938;

"Symbol deleted from plat"



REPORT OF COMPLETED WORKS- SEACOAST FORTIFICATIONS
(Electric Plants)

HARBOR

~~COAST~~ DEFENSES OF

FORT

POWER FOR

Narragansett Bay

Wetherill

Battery Walbach Emplacement Plant.

Form 5.

Corrected to: Dec. 1, 1925.

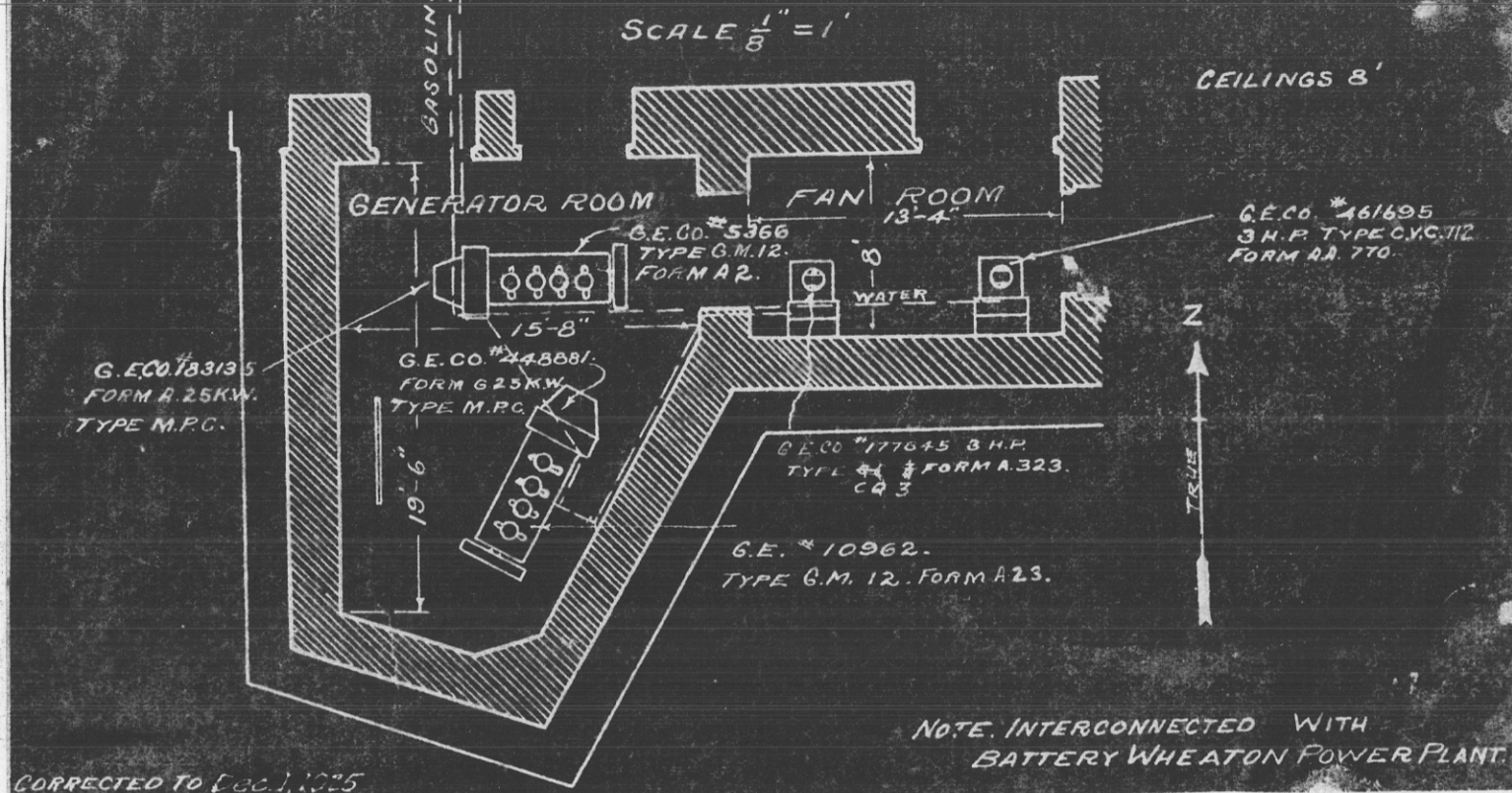
	Serial No.	Type	Size	Manufacturer	Date of transfer	Cost	Condition	RPM	Belt or direct drive	Radiator for Engine No.	Fuel	Switchboards	
												Mate-rial	No. of panels.
Boiler No. 1													
No. 2													
No. 3													
Engine No. 1	5366	GM 12	43/54HP	Gen.Elec.Co.	May 26/10	Total Cost \$10000.00 (Approximate)	Good	560	Direct		Gas.		
No. 2	10962	GM 12	43/54HP	Gen.Elec.Co.	Feb. 4/18		Good	560	Direct		Gas.		
No. 3													
Generator													
No. 1	183135	MPC 6	25 KW	Gen.Elec.Co.	May 26/10		Good	560	Direct				
No. 2	448811	MPC 6	25 KW	Gen.Elec.Co.	Feb. 4/18		Good	560	Direct				
No. 3													
Radiator													
No. 1	None	-	-	Rome Turney Co.	May 26/10		Good			5366			
No. 2	10311	FF 54		Gen. Elec.Co.	Feb. 4/18		Good			10962			
No. 3													
Motor-generator													
No. 1													
No. 2													
No. 3													
Switch board	217	Std.		Walker Elec.Co	May 26/10		Good					Marble	2
	471	"		Carleton-Mace	Feb. 4/18		"					"	1
				Engr.Corp.	Feb. 4/18								
Storage Battery													
Transformer													
No. 1													
No. 2													
No. 3													
Auxiliaries													
(Motor) No. 1	177845	OQ 3	3 HP	Gen.Elec. Co.	May 26/10		Good	1050	Direct	5366			
No. 2	461695	GVG112	3 HP	Gen.Elec.Co.	Feb. 4/18		Good	1150	Direct	10962			
No. 3													

DISTRIBUTION OF K.W. One 60" Searchlight 20.0, Battery Walbach Lighting 8.2, Power 20.0, Fire Control stations 0.5,

NOTE: Interconnected with Battery Wheaton Power Plant.

Total 48.7

FORT WETHERILL BATTERY WALBACH
EMPLACEMENT AND S.L. POWER PLANT



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

Form 1

Corrected to: June 15, 1925.

COAST DEFENSES OF Narragansett Bay, R.I.

FORT

Wetherill

BATTERY

Dickenson *

No. of guns 2

Caliber 6"

Carriage Barb.

Battery commenced July, 1901
Battery completed July, 1902
Date of transfer May 7, 1908
Material of construction Concrete
Portland or Rosendale cement Portland
Cost to date of transfer \$36,500.
Connected to water supply Yes
Connected to sewer No.
Type of latrine None
Type of data transmission None
Trunnion elevation in
battery #1 103.04' #2 102.95'
Datum plane m.l.w.

Sources of electric current

Max. kw. required for lights

Max. kw. required for motors

Present condition of battery

Rooms wet or dry

How ventilated

Remarks-

Emplacement plant in Battery Wheaton

2.1

4.5

Excellent

Dry; rooms lined with Shawnee brick

Window gratings.

ARMAMENT

Emplacement or Mortar No.	Guns and Mortars						Carriages				
	Cal.	Length	model	Serial No.	Manufacturer	Mounted	Type	Model	Serial No.	Manufac.	Motor
1	6"	25'	1900	40	Watervliet Arsenal (June do	1905)	Barb. do	1900 1900	35 36	Builders Iron Fdry	None do
2	6"	25'	1900	36							
3											
4											
5		(50 cal)									

HOISTS

Emplacement Number	Type	Delivery	Motor						Date of Transfer	Remodeled for long points
			Serial No.	Maker	H.P.	Volts	RPM	Type of Control		
1	Hodges	Back	89335	G.E.Co.	3	110		Contactor Controller	May 22 '08 do	No
2	do	do	89333	do	3	110		#842126A4 #842126A3		

* Declared Excess- Ltr Apr. 30 1947 AGF
file 602.1/106 (C) (30 Apr. 47) GNGDS-1A

AG authorized extension of platforms, 662B (Puget Sound) 87
12/22/41

REPORT COMPLETED WORKS -

(Battery Plan)

Corrected to Dec. 1, 1925

FORM NO. 7

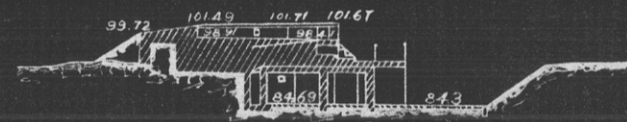
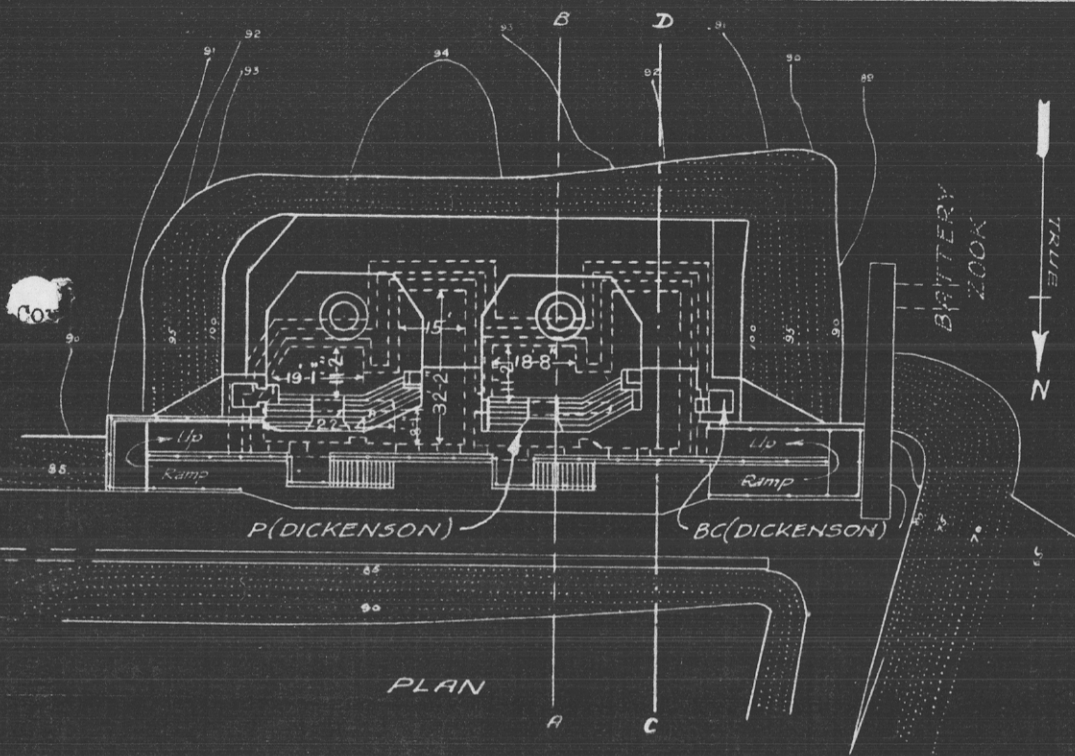
HARBOR DEFENSES OF NARRAGANSETT BAY

FORT WETHERILL, R.I.

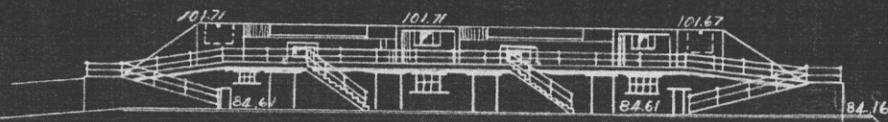
BATTERY DICKENSON

No. of Guns - 2 Caliber - 6 in. Carriage Barb.

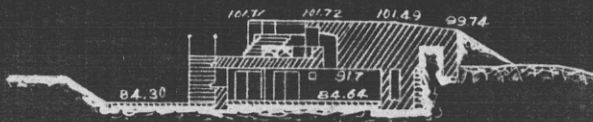
40' 20' 0' 40' 80' 120'



SECTION A-B



REAR ELEVATION



SECTION C-D

ENGINEER OFFICE
PROVIDENCE, R.I.

NUMBER S-43 SHEET 19

CASE A DRAWER 1

REPORT OF COMPLETED WORKS -

(Battery Plan)

Corrected to Dec. 1, 1925

FORM NO. 7

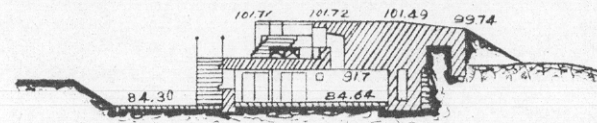
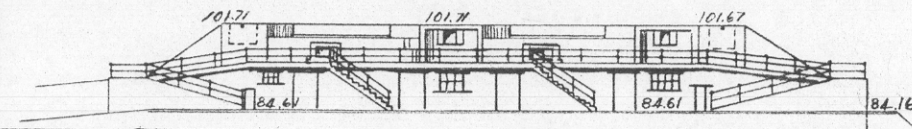
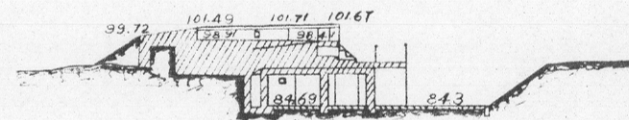
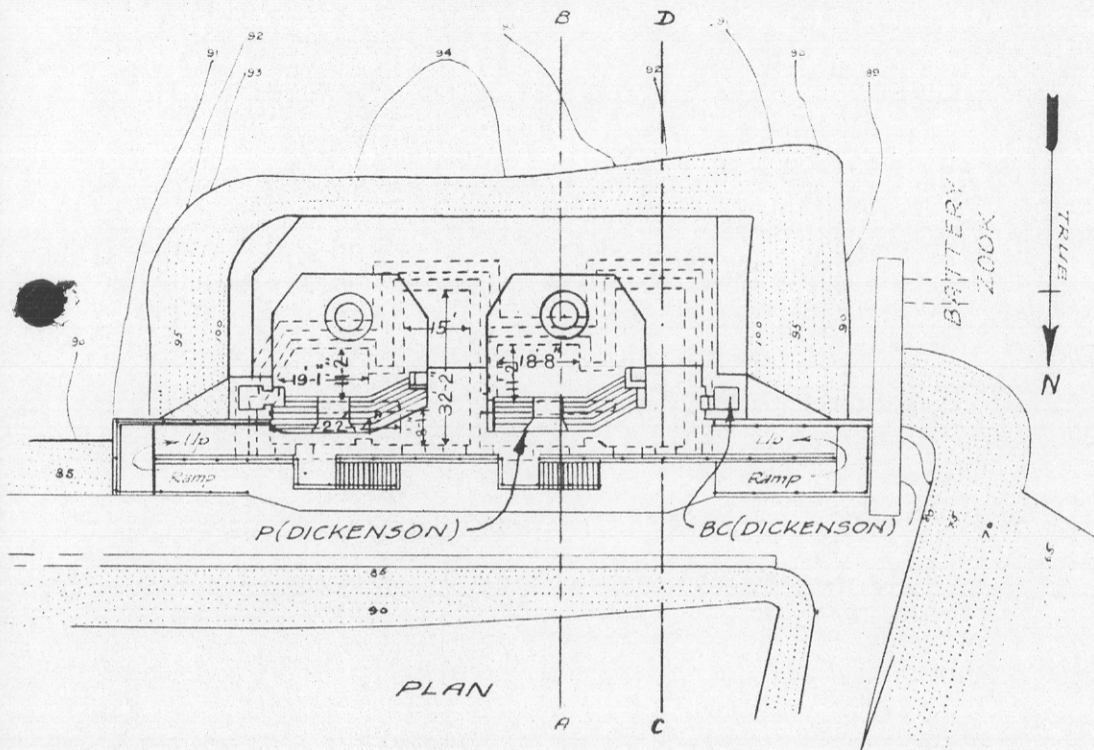
HARBOR DEFENSES OF NARRAGANSETT BAY

FORT WETHERILL, R.I.

BATTERY DICKENSON

No. of Guns - 2 Caliber - 6 in. Carriage Barb.

10' 20' 0' 40' 80' 120'



NUMBER S-43 DATE 19

CASE A DRAWING 1

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
(Fire Control or Torpedo Structures)

COAST DEFENSES OF Narragansett Bay.....
FORT Wetherill, R. I......
STRUCTURE Plotting Room.....
* P (Dickenson)

Form 2. Corrected to June 30, 1923.

Location In Battery Dickenson, Emplacement No. 1. Type of data transmission Telephones.

Date of transfer Aug. 8, 1922. Date of transfer _____

Cost to that date \$61.15 (Electric Wiring) Cost of data transmission _____

Type of construction _____ equipment _____

(a) Roof Reinforced concrete. For tide stations give descrip-
tion of tide gauge _____

(b) Remainder of bldg. Concrete, walls and ceiling
lined with white brick. For datum points give Ports
from which visible _____

How concealed Incorporated in battery. For dormitories give
stations served _____

How protected Incorporated in battery. For cable hut give
S. C. type _____

Height above concealment None

Height above protection None

Conspicuous at _____ yards. not conspicuous.

Source of electric current Battery Wheaten Emp. Plant.

Kilowatts required 0.300

Type of lighting fixtures Reflectolite & Wall.

How heated not heated

Connected to water mains No

Connected to sewer No

Type of latrine None

Permanent or temporary
installation Permanent

Present condition Good

Reference of site Floor 84.61' above M.L.W.

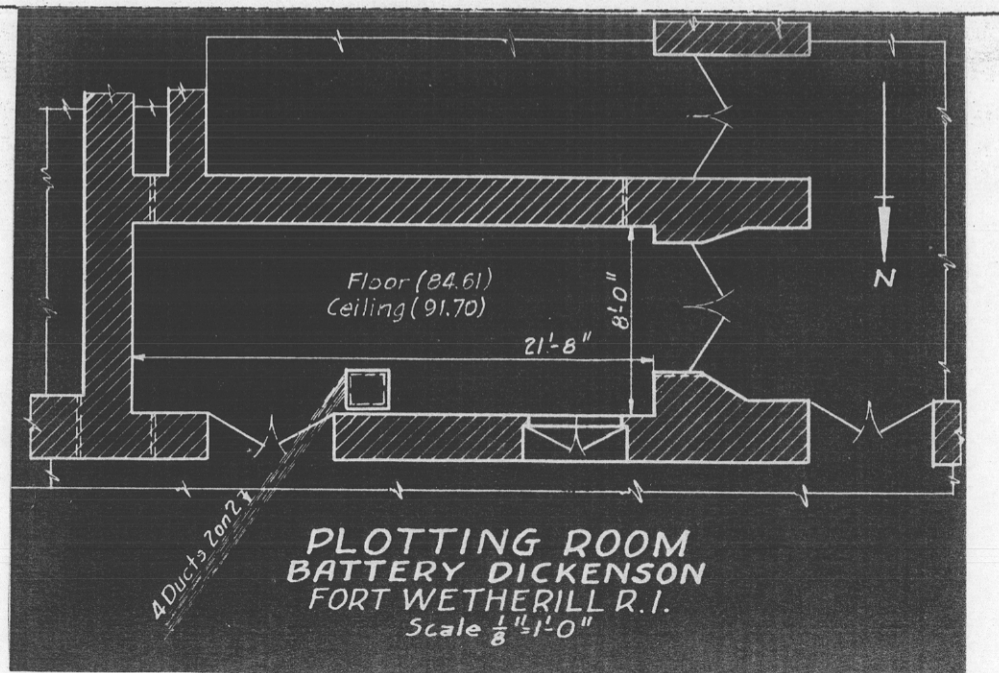
Reference of instrumental
axis. _____

Type of observing inst. _____

Type of plotting board Whistler-Hearn Model 1904.

Type and capacity of crane _____

Max. dimensions of reel
handled _____



* See Fort. Index Plat, Rev. of Apr. 4, 1938;
"Symbol & Legend deleted from plat"

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
(Fire Control or Torpedo Structures)

COAST DEFENSES OF ... Narragansett Bay
FORT Wetherill, R. I.
STRUCTURE ... Battery Commander Station

Moved to site 1-A
B C (Dickenson)

Form 2. Corrected to June 30, 1923.

Location In No. 1 Crews Nest, Battery Dickenson Type of data transmission Telephone and voice.

Date of transfer Aug. 8, 1922. Date of transfer _____

Cost to that date Included in cost of battery. Cost of data transmission _____

Type of construction _____ equipment _____

(a) Roof No roof For tide stations give descrip- _____

(b) Remainder of bldg. Concrete walls tion of tide gauge _____

How concealed Earth Embankment For datum points give Ports _____

How protected Earth Embankment from which visible _____

_____ None For dormitories give _____

Height above concealment _____ stations served _____

Height above protection None For cable hut give _____

Conspicuous at yards not conspicuous. S. C. type _____

Source of electric current _____

Kilowatts required None

Type of lighting fixtures None

How heated Not heated

Connected to water mains No

Connected to sewer No

Type of latrine None

Permanent or temporary _____

installation Permanent

Present condition Good

Reference of site 97.15' above M.L.W.

Reference of instrumental _____

axis. _____

Type of observing inst. Azimuth Inst. Model 1910.

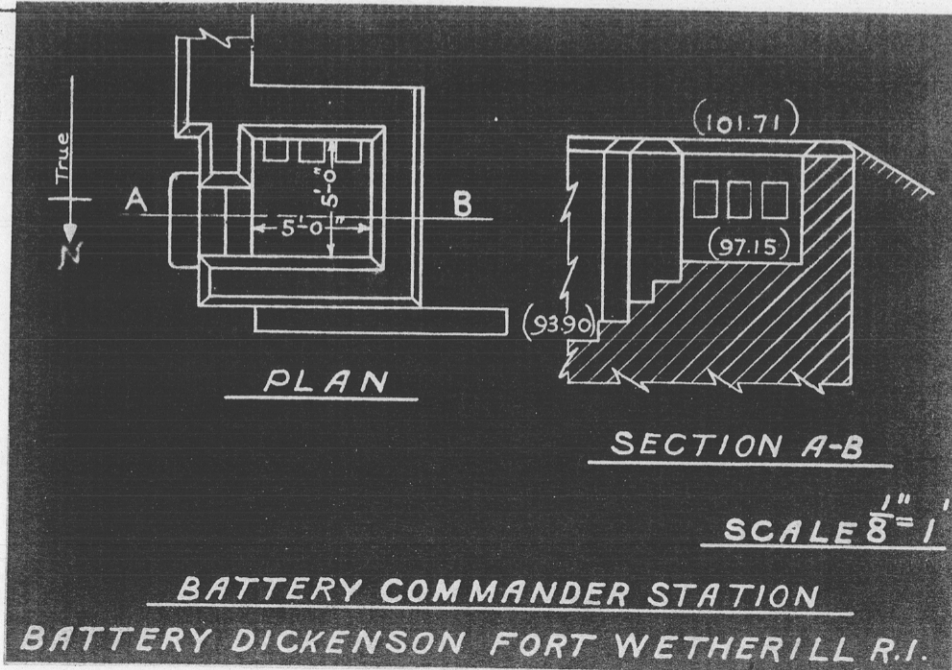
Type of plotting board _____

Type and capacity of crane _____

Max. dimensions of reel _____

handled _____

* See Fort. Index Plat, Rev. of Apr. 4, 1938;
"Symbol & legend deleted from plat"



Guns removed in 1918
Carriages " " 1920

4/E.662 B - 57/1

RECORD OFFICE DIV. ENG.
N. E. DIVISION-NEW YORK OCT 18

REPORT OF COMPLETED WORKS- SEACOAST FORTIFICATIONS.

(Gun and Mortar Batteries.) Submarine Mine Det. explosives
Stored in magazines.

COAST DEFENSES OF Narragansett Bay, R.I.

FORT WETHERILL

BATTERY Zook (obsolete)

No. of guns 3 Caliber 6" Carriage Dis.L.F.

Form 1

Corrected to October 15, 1924.

Battery commenced	May, 1903
Battery completed	Nov., 1904
Date of transfer	May, 1908
Material of construction	Concrete
Portland or Rosendale cement	Portland
Cost to date of transfer	\$81,475
Connected to water supply	Yes
Connected to sewer	Yes; #3 emplacement only.
Type of latrine	Syphon.
Type of data transmission	None.
Trunnion elevation in battery	

Sources of electric current

Max.kw.required for lights

Max.kw.required for motors

Present condition of battery

Rooms wet or dry

How ventilated

Remarks:

Emplacement plant in Battery

Wheaton & Casemate generator in
3.5 { #3 emplacement, Battery
Zook.

None

Excellent.

Dry:rooms lined with Shawnee brick.

Window gratings; 8" ventilating shafts
in air spaces with hood tops.

Rooms in Nos.1 and 2 emplacements
used for F.C.switchboard room; in #3
emplacement for mining casemate.

Datum plane

ARMAMENT Removed.

[illegible]

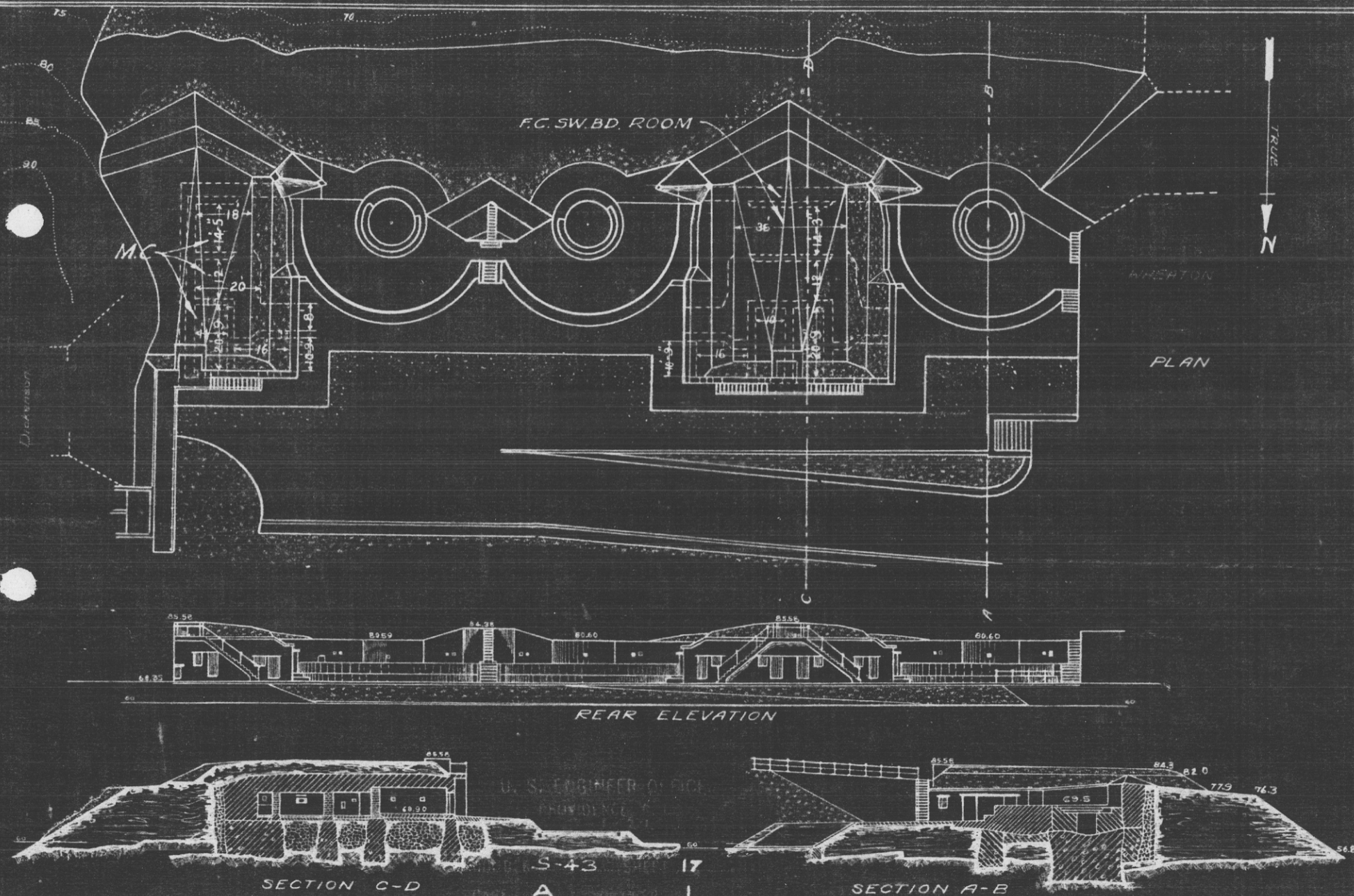
HOISTS. None.

[illegible]

(Battery Plan)

FORM NO. 7

No. of Guns - 3 Caliber - 6 in. Carriage - Dis.

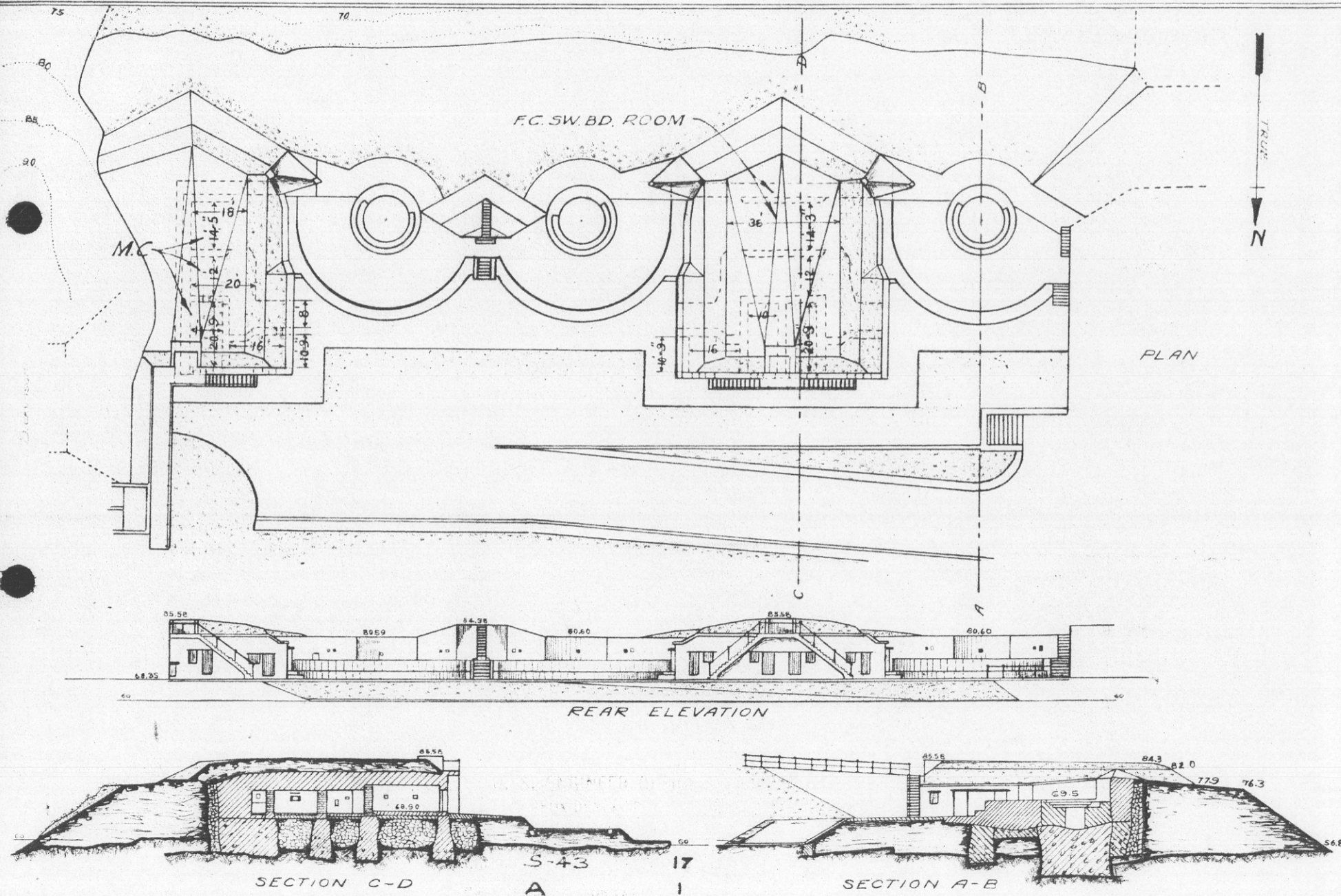


HARBOR DEFENSES OF NARRAGANSETT BAY.

FORT WETHERILL, R.I.

BATTERY ZOOK.

No. of Guns - 3 Caliber - 6 in. Carriage - Dis.



REC'D OFFICE DIV. ENG.
N. E. DIVISION-NEW YORK OCT 18 1924

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
(Fire Control or Torpedo Structures)

COAST DEFENSES OF Narragansett Bay, R.I.
FORT Wetherill.
STRUCTURE F.C. Switchboard room, Type "D".

Form 2. Corrected to October 15, 1924.

In Battery Zook.

Location In Battery Zook emplacement between guns No. 1 and No. 2. Type of data transmission Telephone.

Date of transfer August 8, 1922. Date of transfer _____

Cost to that date \$1,051.00 Cost of data transmission _____

Type of construction _____ equipment _____

(a) Roof Reinforced concrete. For tide stations give description of tide gauge _____

(b) Remainder of bldg. Concrete walls and ceilings _____

How concealed Incorporated in battery. For datum points give Forts from which visible _____

How protected Incorporated in battery. For dormitories give stations served _____

Height above concealment None. For cable hut give _____

Height above protection None. S. C. type _____

Conspicuous at yards. Not conspicuous.

Source of electric current Battery Wheaton emplacement and

Kilowatts required 1,800 (casemate generator in #3 emplacement, Battery Zook.)

Type of lighting fixtures Old local standard.

How heated Stove.

Connected to water mains No.

Connected to sewer No.

Type of latrine None.

1. Permanent or temporary installation Permanent.

Present condition Good.

Reference of site Floor 68.38' above M.L.W.

Reference of instrumental axis. _____

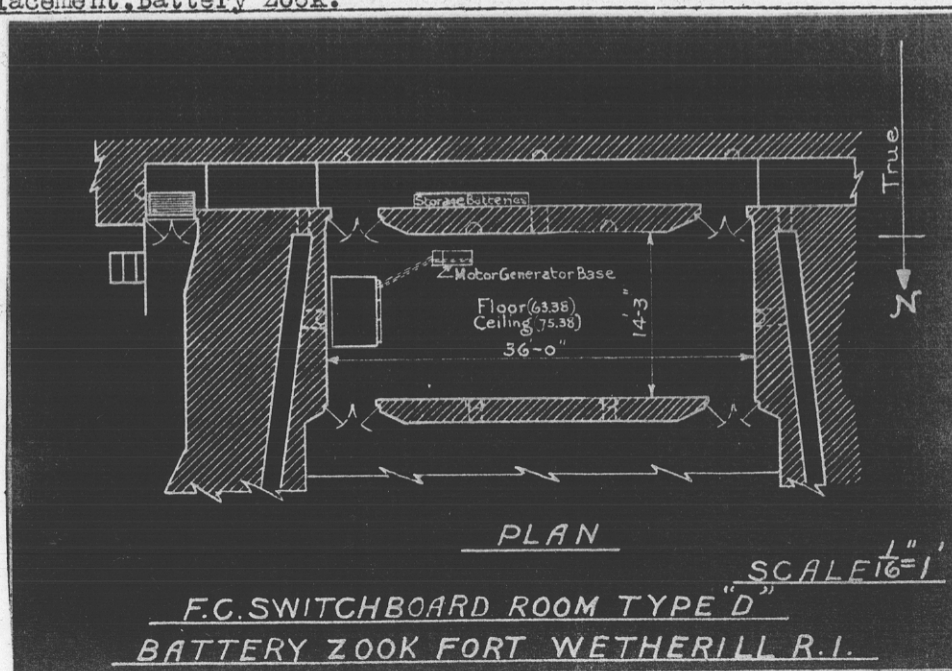
Type of observing inst. _____

Type of plotting board _____

Type and capacity of crane _____

Max. dimensions of reel _____

handled _____



REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
(Fire Control or Torpedo Structures)

COAST DEFENSES OF Narragansett Bay.....
PORT Wetherill, R. I......
STRUCTURE Mining Casemate.....

Form 2. Corrected to July 23, 1923.

(Battery Zook)

Location In Battery Zook, Emp. No. 3. Type of data transmission Telephone

Date of transfer July 6, 1923. Date of transfer _____

Cost to that date \$6257.40 Cost of data transmission _____

Type of construction _____ equipment _____

(a) Roof Reinforced concrete; earth cover. For tide stations give descrip-
tion of tide gauge _____

(b) Remainder of bldg. Concrete; white brick lining. For datum points give Ports
from which visible _____

How concealed Incorporated in battery. For dormitories give
stations served _____

How protected Incorporated in battery. For cable hut give
S. C. type _____

Height above concealment None

Height above protection None

Conspicuous at yards. not conspicuous.

Source of electric current Battery Wheaten Emp. Plant & casemate generator.

Kilowatts required 0.750

Type of lighting fixtures Wall; watertight.

How heated Local Hot Water System

Connected to water mains Yes

Connected to sewer Yes

Type of latrine Syphen jet.

Installation Permanent

Present condition Good

Reference of site Floor Engine Room 68.45' above M.L.W.

Reference of instrumental axis. _____

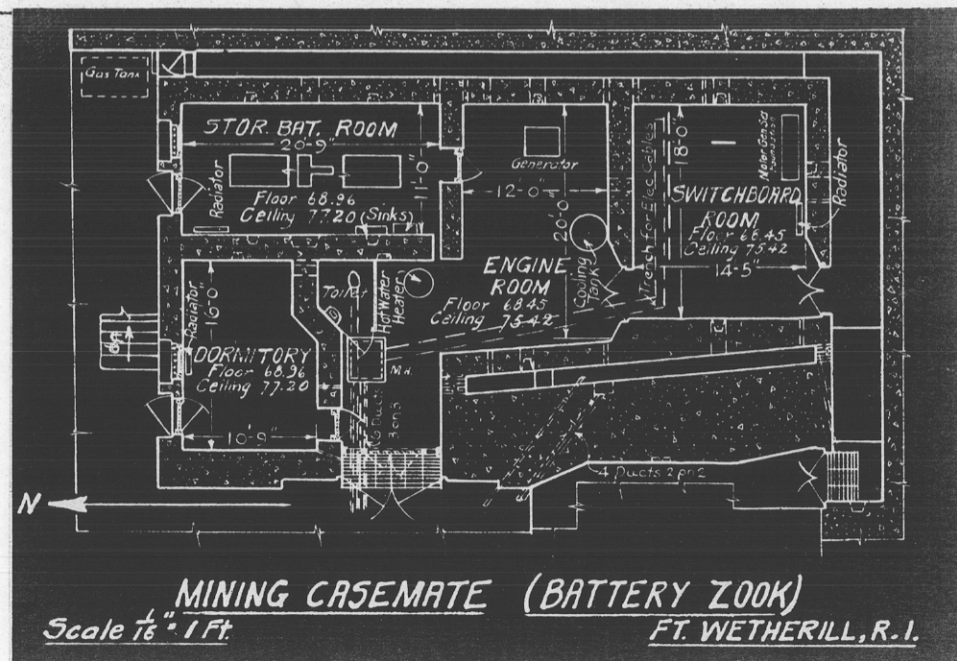
Type of observing inst. _____

Type of plotting board _____

Type and capacity of crane _____

Max. dimensions of reel _____

handled _____



600.914 (ENC) 100126
REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATION
 (FIRE CONTROL OR SUBMARINE MINE STRUCTURES)

SPEKM-1
HARBOR DEFENSES OF NARRAGANSETT BAY
FORT Wetherill, Rhode Island
STRUCTURE 1-A BC-9, CRF-9 (DICKENSON)
 7 7 FT WETHERILL

Part II Corrected to July 1944

STRUCTURE: x Not yet available
 Location (by coordinates) y " " "
 Location (by site description) Battery Zook
 Date of transfer 10 November 1943
 Cost to that date \$5,814.
 Type (for observing stat.--tower, dug-in, cottage, etc.) Manhole modified w/side door
 Type of construction Reinforced concrete
 (a) Roof " "
 (b) Remainder of bldg. " "
 How concealed Not entirely; partially by earth
 How protected Reinforced concrete & earth
 Height above concealment 7.5 ft.
 Height above protection 0
 Conspicuous at yards Not conspicuous

UTILITIES:

Electric Power Commercial
 Source of Post Supply
 Characteristics: Voltage 110 Ac or DC/ Phase 1
 Kilowatts required 0.3
 Type of lighting fixtures Commercial
 Heat
 How heated None
 Water Sewer
 Connected to water mains None
 Connected to sewer None
 Type latrine None

REFERENCE:

Reference of site 86.0 + MIW
 Reference of instrument axis (90.92 Upper), (87.59 Lower)
 where (Type and Capacity of Crane None
 applicable (Max. dia. of reel handled -

Sheet 1 of 2

INSTRUMENTS & EQUIPMENT:

Type of observing inst. Aximuth and CRF 90
 Type of plotting board None

DATA TRANSMISSION:

Type Telephone
 Date of transfer (By Signal Corps)

TIDE STATION:

Give description of tide gauge - -

DATUM POINTS:

Give Forts from which visible - -

QUARTERS:

Give stations served - -

CABLE HUT:

Give S. C. Type - -

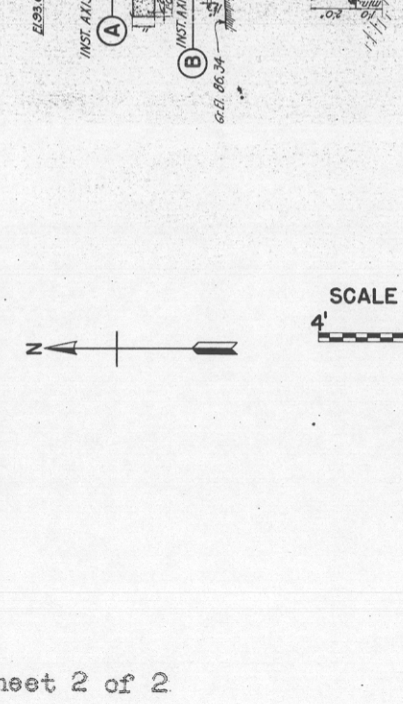
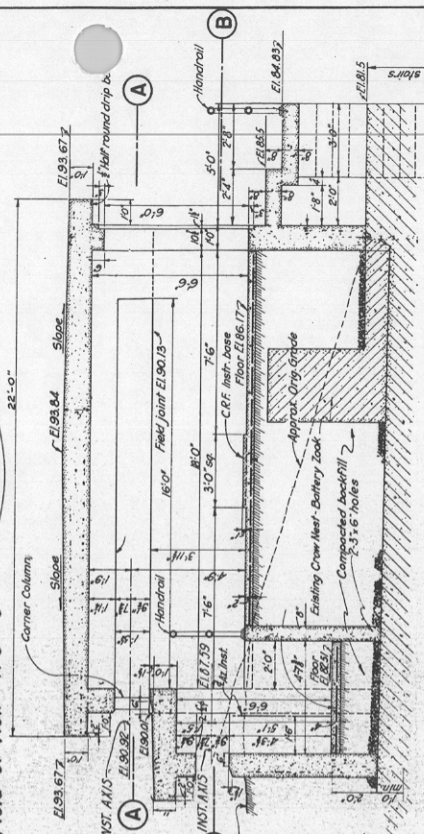
Paste on blue print showing plan of each story of building, giving principal dimensions, including height of ceiling.

See Sheet 2.

92-4882

(FY41?) FS-885 #1111 Proj Card 90

ED Form A-162B
 16 Sept. 1943.

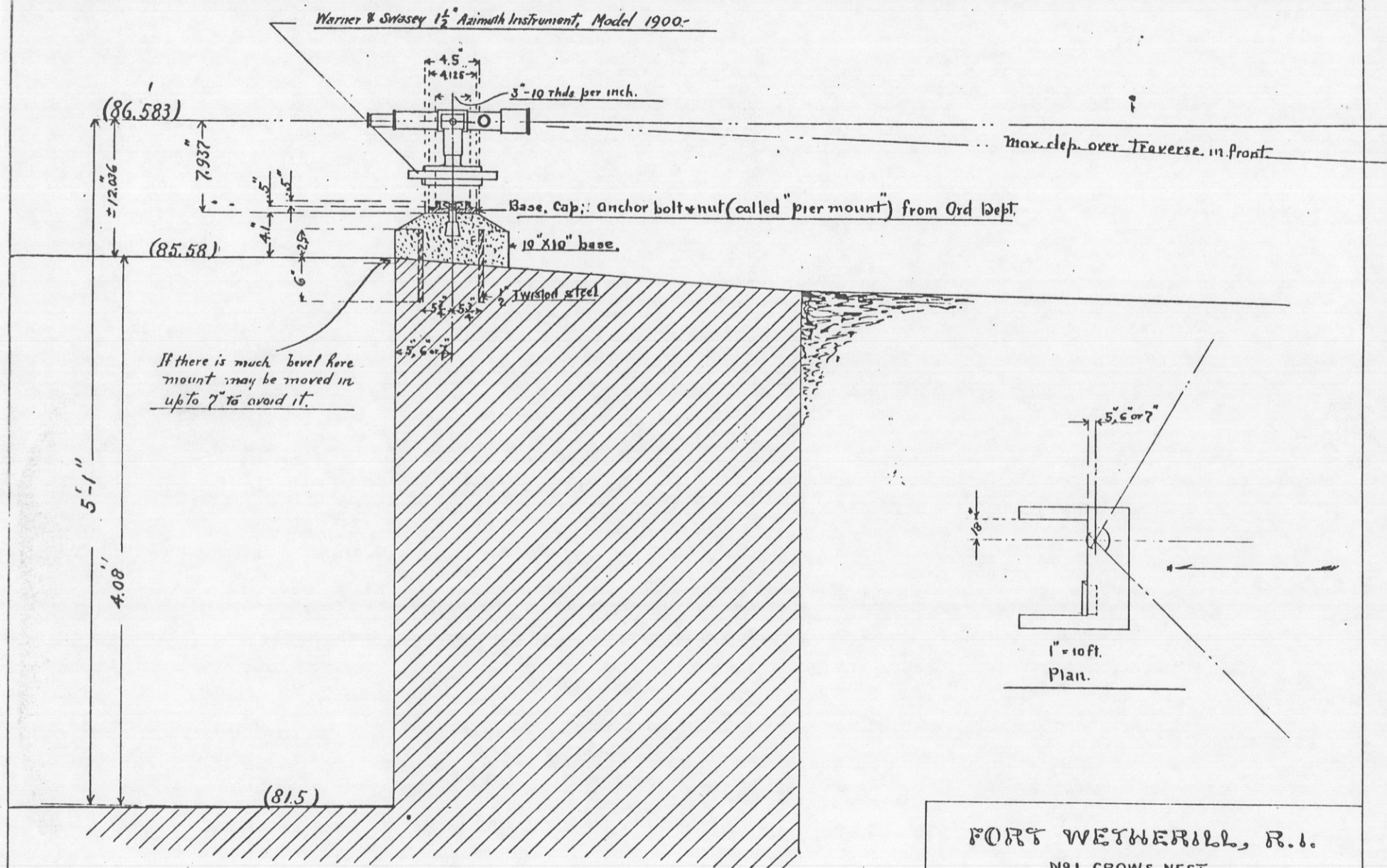


SCALE IN FEET



A horizontal scale bar with a central point labeled '0'. To the left of '0' is a tick mark labeled '4'', and to the right is another tick mark labeled '4''. The bar is divided into segments by vertical lines.

F.C. STRUCTURE I-A
 B.C. - CRF - 9
 FORT WETHERILL, R.I.
 HARBOR DEFENSES, NARRAGANSETT BAY



REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
(Fire Control or Torpedo Structures)

COAST DEFENSES OF Narragansett Bay
FORT Wetherill, R. I.
STRUCTURE Mining Casemate

Form 2. Corrected to July 23, 1923.

(Battery Zook)

Location In Battery Zook, Emp. No. 3. Type of data transmission Telephone

Date of transfer July 6, 1923.

Date of transfer

Cost to that date \$6257.40

Cost of data transmission
equipment

Type of construction

(a) Roof Reinforced concrete; earth cover.

For tide stations give descrip-
tion of tide gauge

(b) Remainder of bldg. Concrete; white brick lining.

How concealed Incorporated in battery.

For datum points give Ports
from which visible

How protected Incorporated in battery.

For dormitories give
stations served

Height above concealment None

For cable hut give
S. O. type

Height above protection None

Conspicuous at yards. not conspicuous.

Source of electric current Battery Wheaten Emp. Plant & casemate generator.

Kilowatts required 0.750

Type of lighting fixtures Wall; watertight.

How heated Local Hot Water System

Connected to water mains Yes

Connected to sewer Yes

Type of latrine Syphon jet.

Is permanent or temporary

installation Permanent

Present condition Good

Reference of site Floor Engine Room 68.45' above M.L.W.

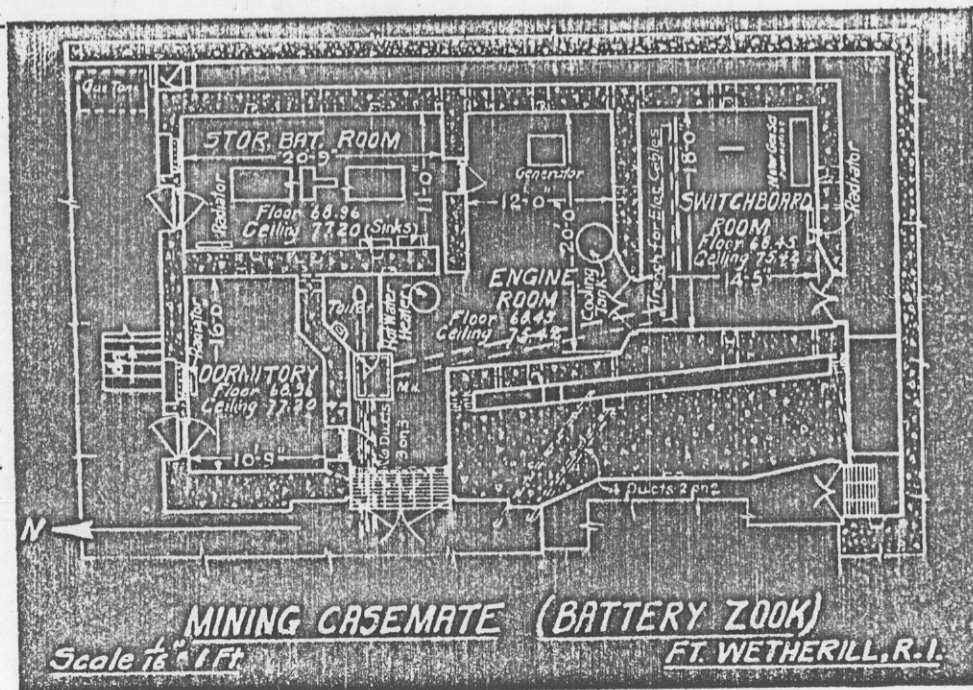
Reference of instrumental
axis.

Type of observing inst.

Type of plotting board.

Type and capacity of crane

Max. dimensions of reel
handled



Armament removed in 1920, C. of E. 662B-57/1

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

COAST DEFENSES OF Narragansett Bay, R. I. *See note*
FORT Wetherill
BATTERY Cooke (Obsolete)
No. of guns 2 Caliber 3" Carriage Ped.

Form 1 Corrected to: Sept. 1, 1921.

Battery commenced April, 1899
Battery completed Sept., 1899
Date of transfer Feb. 15, 1901
Material of construction Concrete
Portland or Rosendale cement Rosendale with Portland facing.
Cost to date of transfer \$11,454.90
Connected to water supply Yes.
Connected to sewer No.
Type of latrine None.
Type of data transmission None.
Triumph elevation in battery
Datum plane

Sources of electric current
Max. kw. required for lights
Max. kw. required for motors
Present condition of battery
Rooms wet or dry
How ventilated
Remarks-

Emplacement plant in Battery Varnum
1.1
None
Good.
Usually dry.
No gratings or air shafts.

ARMAMENT Removed.

Emplacement or Mortar No.	Guns or Mortars						Carriages				
	Cal.	Length	model	Serial No.	Manufacturer	Mounted	Type	Model	Serial No.	Manufac.	Motor
1											
2											
3											
4											
5											

HOISTS None.

Emplacement Number	Type	Delivery	Motor					Date of Transfer	Remodeled for long points
			Serial No.	Maker	H.P.	Volts	RPM		
1		Note: The Engineer Department to abandon maintenance work on this battery as soon as Ordnance supplies shall be removed. The transfer of the battery to the Q.M.C. was approved by the A.G. March 9, 1929, File, C. of E. 662B-58.							
2									

REPORT OF COMPLETED WORKS - SEACOAST FORT

(Battery Plan)

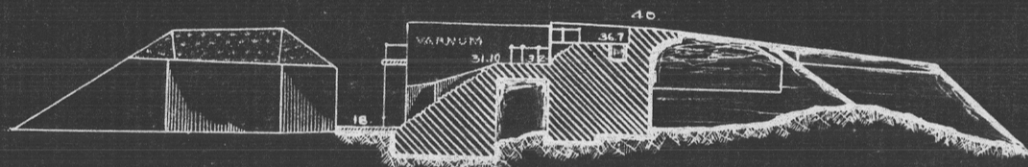
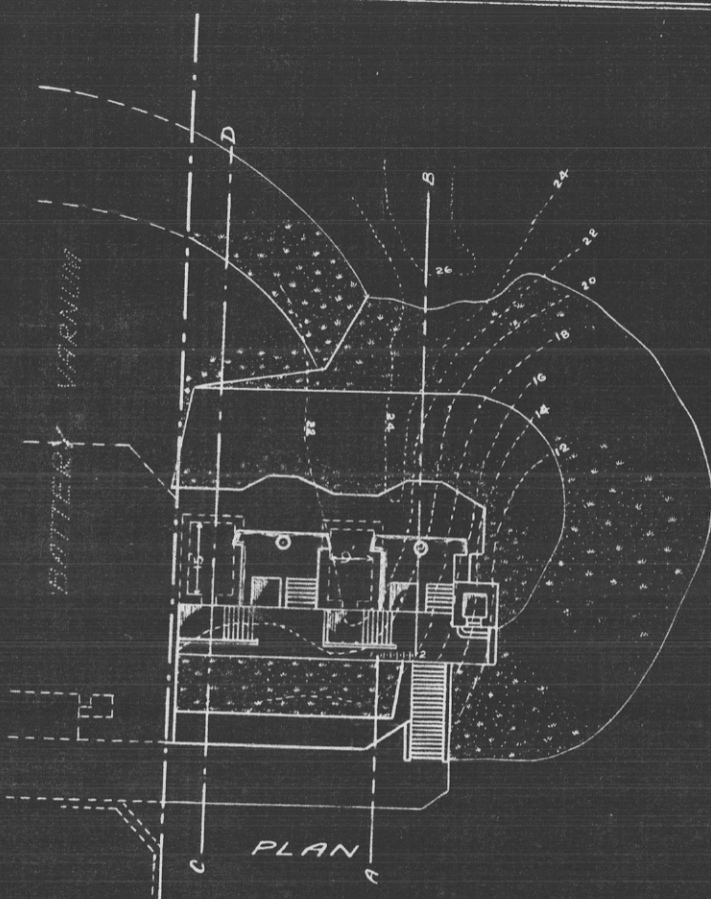
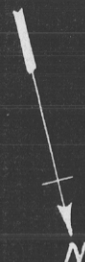
Corrected to SEPT. 1-21.

FORM NO. 7

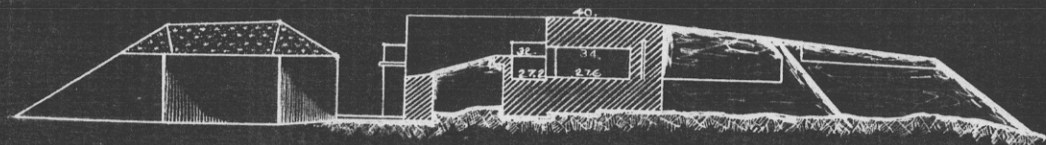
COAST DEFENSES OF NARRAGANSETT BAY
FORT WETHERILL, R.I.
BATTERY COOKE

No. of Guns - 2 Caliber - 3 in. Carriage Ped. Mt.

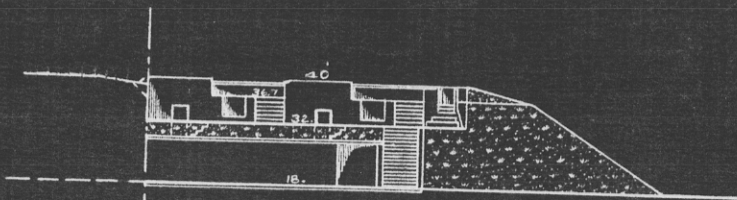
40' 20' 0' 40' 80' 120'



SECTION A-B



SECTION C-D



REAR ELEVATION

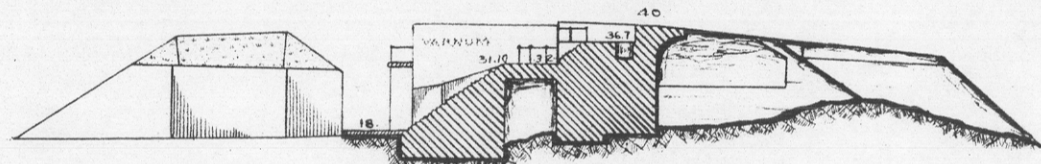
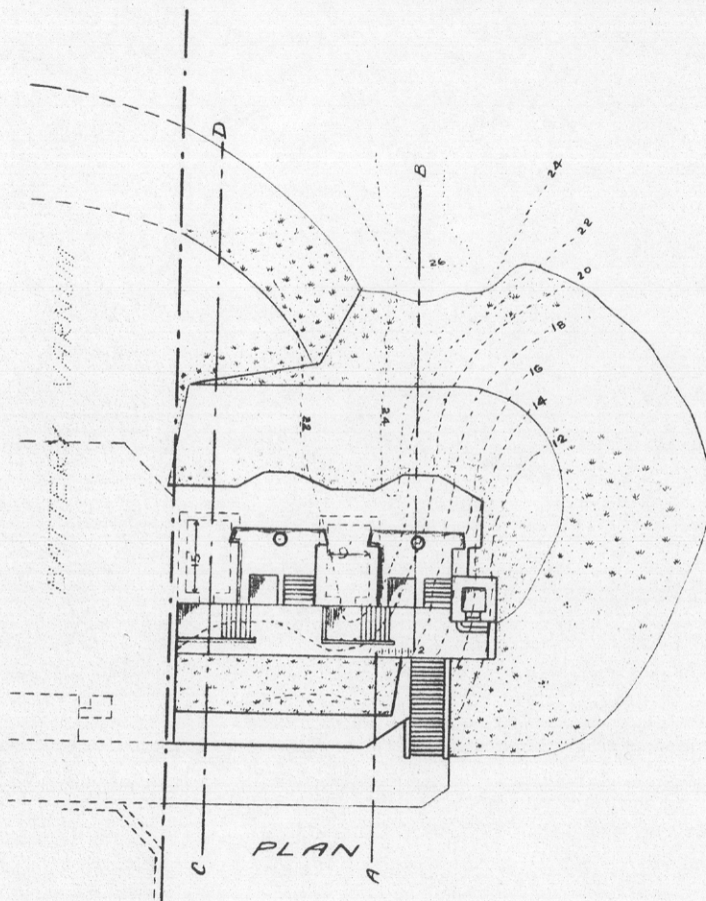
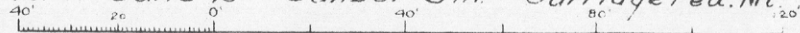
REPORT OF COMPLETED WORKS - SEACOAST FORT'S
(Battery Plan)

Corrected to SEPT. 1-21.

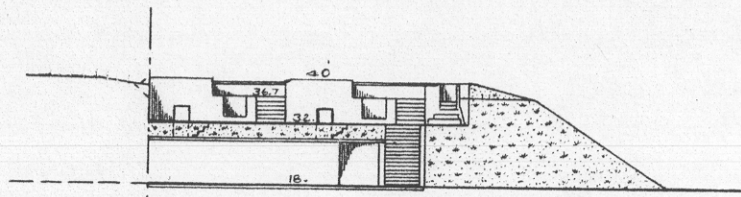
FORM NO. 7

COAST DEFENSES OF NARRAGANSETT BAY
FORT WETHERILL, R.I.
BATTERY COOKE

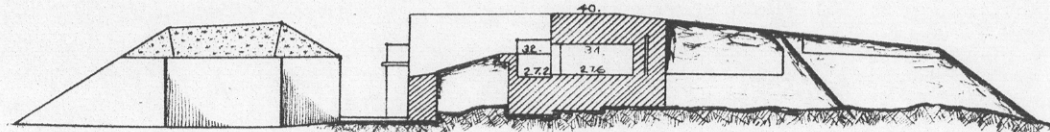
No. of Guns - 2 Caliber - 3in. Carriage Ped. Mt.



SECTION A-B



REAR ELEVATION



SECTION C-D

Form 1

COAST DEFENSES OF Narragansett Bay, R.I.

FORT

Wetherill

BATTERY

Crittenden

No. of guns 2

Caliber 3"

Carriage Barb.

Battery commenced	June, 1901
Battery completed	July, 1902
Date of transfer	May 7, 1908
Material of construction	Concrete
Portland or Rosendale cement	Portland
to date of transfer	\$15,050.
Connected to water supply	Yes
Connected to sewer	No.
Type of latrine	None
Type of data transmission	None
Tranmission elevation in battery #1 84.75'	#2 84.75'
Datum plane	m.l.w.

Sources of electric current

Max. kw. required for lights

Max. kw. required for motors

Present condition of battery
Rooms wet or dry

How ventilated

Remarks-

Emplacement plant in Battery Wheaton

6

None

Good

Dry. Rooms lined with Shawnee brick

Doors: no gratings or air shafts

Emplacement or Mortar No.	Guns or Mortars						Carriages				
	Cal.	Length	model	Serial No.	Manufacturer	Mounted	Type	Model	Serial No.	Manufac.	Motor
1	3"	12.5'	1903	30	Watervliet Arsenal (April do 1925)	Barb. do	1903 1903	24 25	Am. & Br. Mfg. Co.	None	
2	3"	12.5'	1903	31							
3											
4											
5											

HOISTS None.

[illegible]

REPORT OF COMPLETED WORKS

(Battery Plan)

Corrected to Dec 1, 1925

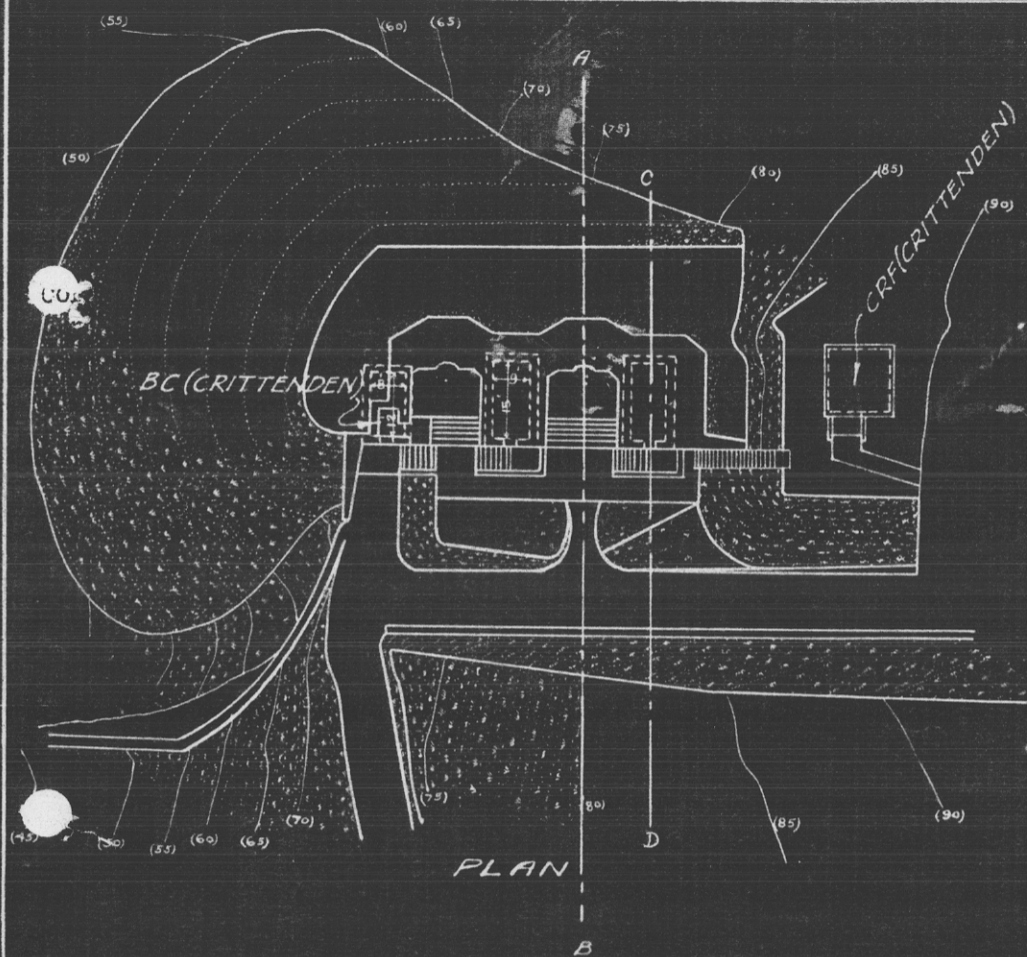
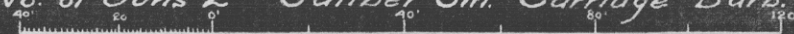
FORM NO. 7

HARBOR DEFENSES OF NARRAGANSETT BAY

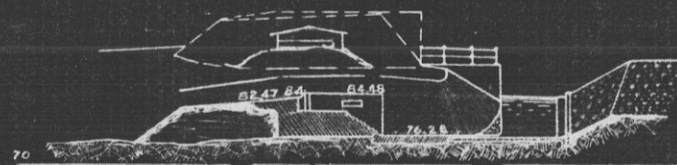
FORT WETHERILL, R.I.

BATTERY CRITTENDEN

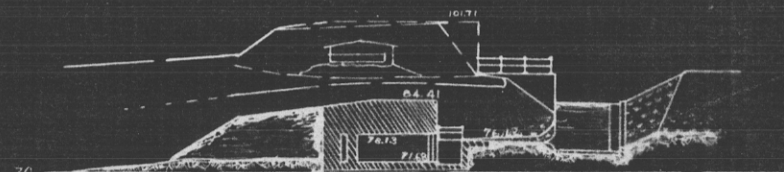
No. of Guns 2 Caliber 3in. Carriage Barb.



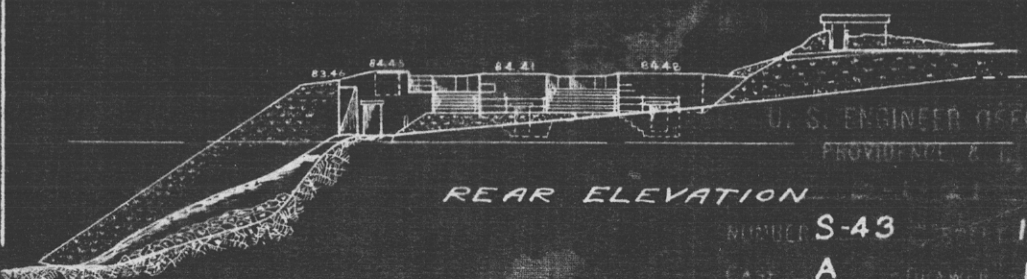
PLAN



SECTION A-B



SECTION C-D



REAR ELEVATION

U. S. ENGINEER OFFICE
PROVIDENCE, R. I.

NUMBER S-43 18

CASE A DRAWER I

REPORT OF COMPLETED WORKS

(Battery Plan)

Corrected to Dec 1, 1925

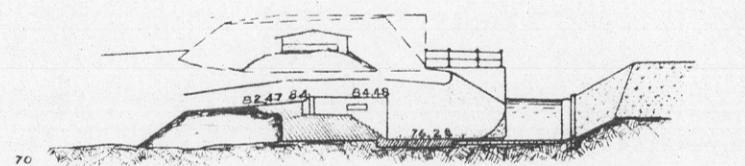
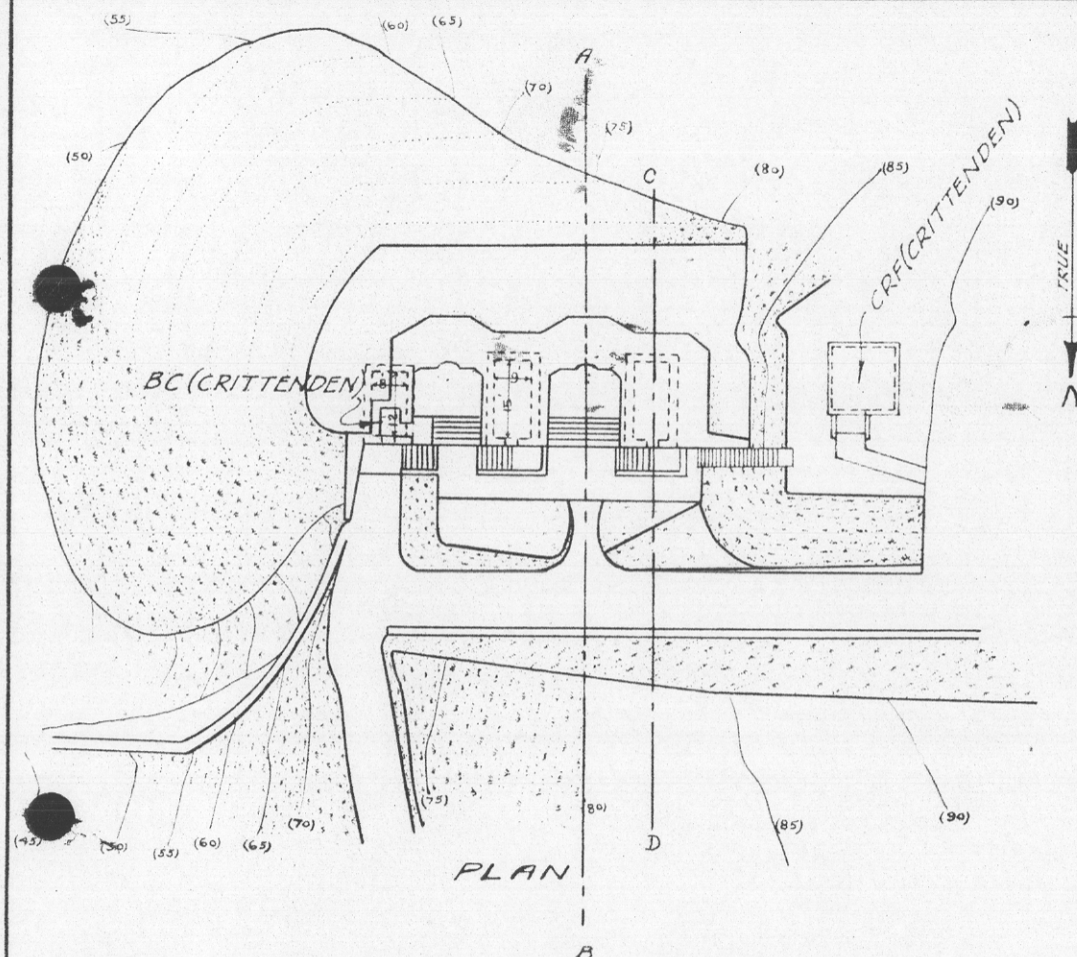
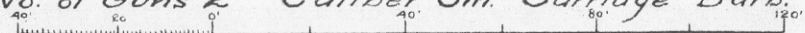
FORM NO. 7

HARBOR DEFENSES OF NARRAGANSETT BAY

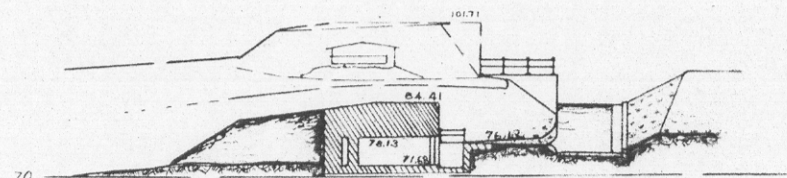
FORT WETHERILL, R.I.

BATTERY CRITTENDEN

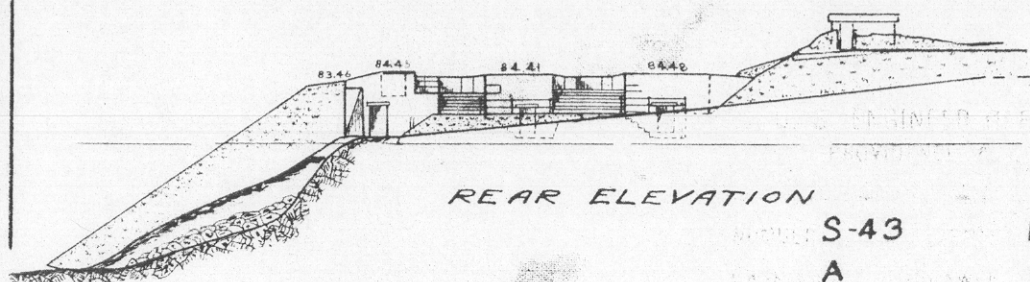
No. of Guns-2 Caliber-3in. Carriage-Barb.



SECTION A-B



SECTION C-D



REAR ELEVATION

S-43 18
A 1

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
(Fire Control or Torpedo Structures)

Form 2. Corrected to June 30, 1923.

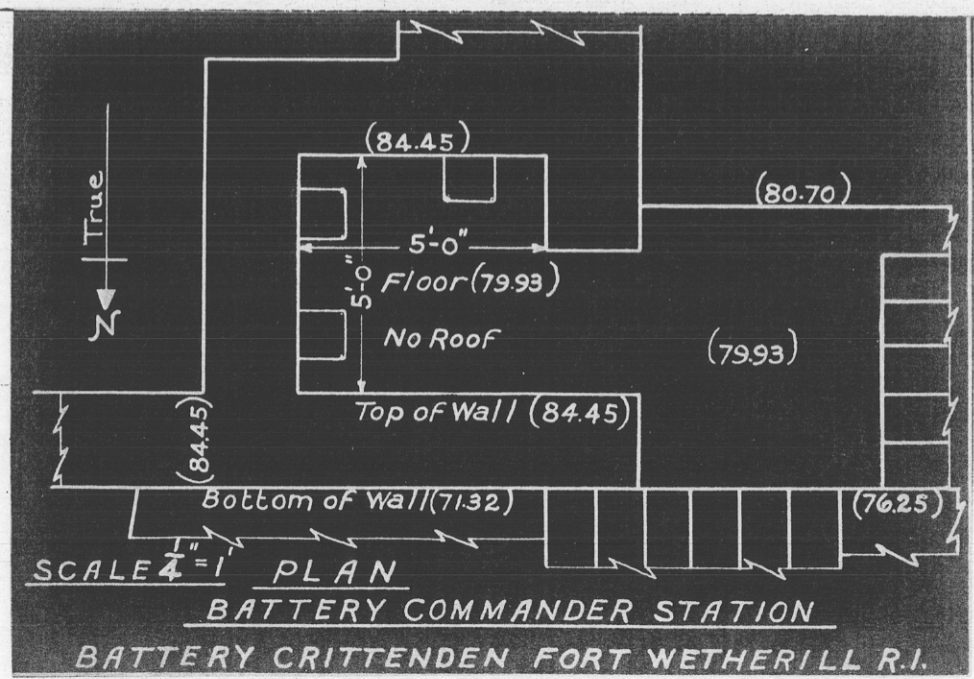
COAST DEFENSES OF Narragansett Bay
FORT Wetherill, R. I.
STRUCTURE Battery Commander Station
B.C. apparently moved to CRF 10
B. C. (Crittenden)

Location In Crow Nest at Gun No. 2, Battery Crittenden Type of data transmission Telephones and voice.

Date of transfer Aug. 8, 1922.
Cost to that date Included in cost of battery.
Type of construction
(a) Roof No roof
(b) Remainder of bldg. Concrete walls.
How concealed Earth Embankment
How protected Earth Embankment
Height above concealment None
Height above protection None
Conspicuous at yards. not conspicuous.
Source of electric current None
Kilowatts required None
Type of lighting fixtures None
How heated Not heated
Connected to water mains No
Connected to sewer No
Type of latrine None
Permanent or temporary
installation Permanent
Present condition Good

Date of transfer
Cost of data transmission
equipment
For tide stations give description of tide gauge
For datum points give Ports from which visible
For dormitories give stations served
For cable hut give S. C. type

Reference of site Floor 79.93' above M.L.W.
Reference of instrumental axis.
Type of observing inst. Azimuth Inst. Model 1910
Type of plotting board
Type and capacity of crane
Max. dimensions of reel handled



* See Fort. Index Plat, Rev. of Apr 4, 1938;
"Tactical No. 10."

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
(Fire Control or Torpedo Structures)

Form 2. Corrected to June 30, 1923.

COAST DEFENSES OF Narragansett Bay
PORT Wetherill, R. I.
STRUCTURE 9' C.R.F. Station
C.R.F. (Crittenden)

Location 57' W. of Gun No 1, Battery Crittenden

Type of data transmission Telephones

Date of transfer Aug. 8, 1922.

Cost to that date \$3086.53

Type of construction

(a) Roof Reinforced Concrete

(b) remainder of bldg. Concrete

How concealed Earth Embankment

How protected Earth Embankment

Height above concealment 3'-0" high point of reef

Height above protection 3'-0" high point of reef

Conditions at 1000 yards.

Source of electric current Battery Wheaton Emp. Plant

Kilowatts required .050

Type of lighting fixtures E. D. Standard

How heated Not heated

Connected to water mains No

Connected to sewer No

Type of latrine None

Permanent or temporary

installation Permanent

Present condition Good

Reference of site Floor 90.99' above M.L.W.

Reference of instrumental

axis. 95.72' above M.L.W.

Type of observing inst. Barr & Stroud 9' C.R.F.

Type of plotting board

Type and capacity of crane

Max. dimensions of reel

handled

Date of transfer

Cost of data transmission

equipment

For tide stations give descrip-

tion of tide gauge

For datum points give points

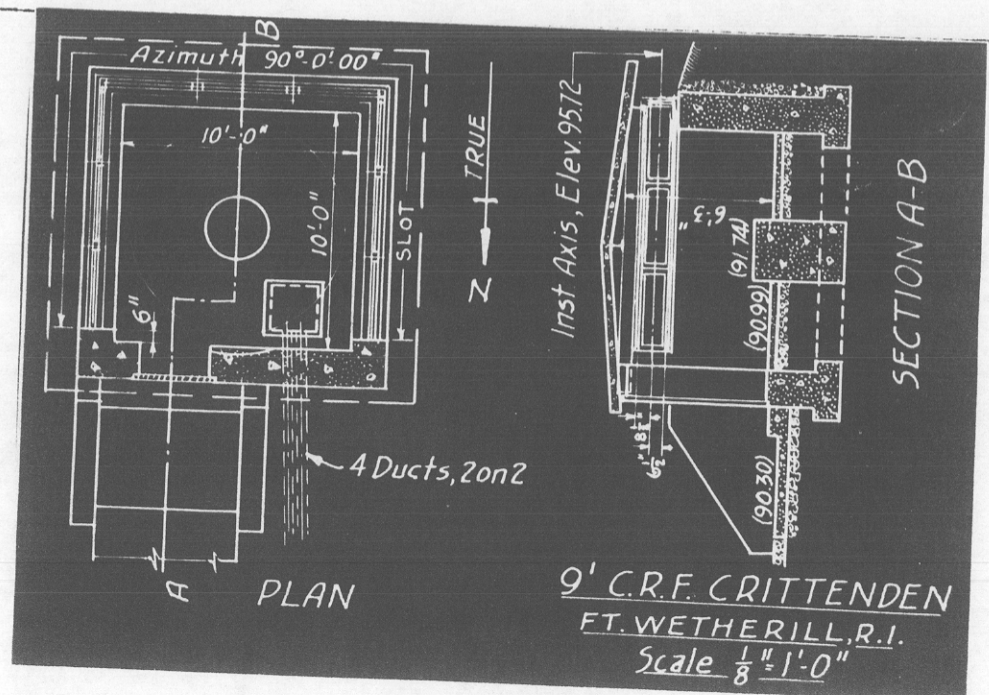
area which visible

For dominions give

stations served

For cable mat give

S. C. type



See Fort Index Plot, Rev. of Apr. 4, 1938;
"Tactical No. 10"

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

Form 1 Corrected to: Oct. 1, 1921.

COAST DEFENSES OF Narragansett Bay.
FORT Wetherill, R.I.
BATTERY _____
No. of guns 2 Caliber 3" A.A. Carriage AA
Mount _____

Battery commenced Dec., 1920.
Battery completed Feb., 1921.
Date of transfer Oct. 29, 1921.
Material of construction Concrete.
Portland or Rosendale cement Portland.
Cost to date of transfer \$2,682.28
Connected to water supply No
Connected to sewer No
Type of latrine None
Type of data transmission None
Traction elevation in
battery No. 1 54.3' No. 2 54.26'
Datum plane m.l.w.

Sources of electric current _____
Max. kw. required for lights _____
Max. kw. required for motors _____
Present condition of battery _____
Rooms wet or dry _____
How ventilated _____
Remarks- _____

None.

ARMAMENT

Emplacement or Mortar No.	Guns or Mortars						Carriages				
	Cal.	Length	model	Serial No.	Manufacturer	Mounted	Type	Model	Serial No.	Manufac.	Motor
1 n.w.empl.	3"	174.65"	1917	57	Watervliet Ars.	Apr 1921	AA Mt	1917	46	Watertown Ars.	
2 s.e. "	3"	174.65"	"	58	" "	" "	" "	"	47	" "	
3											
4											
5											

HOISTS

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

Superseded - See
Form 1, corrected to
October 5, 1937

REPORT OF COMPLETED WORKS
(Battery Plan)

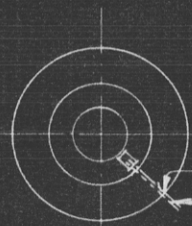
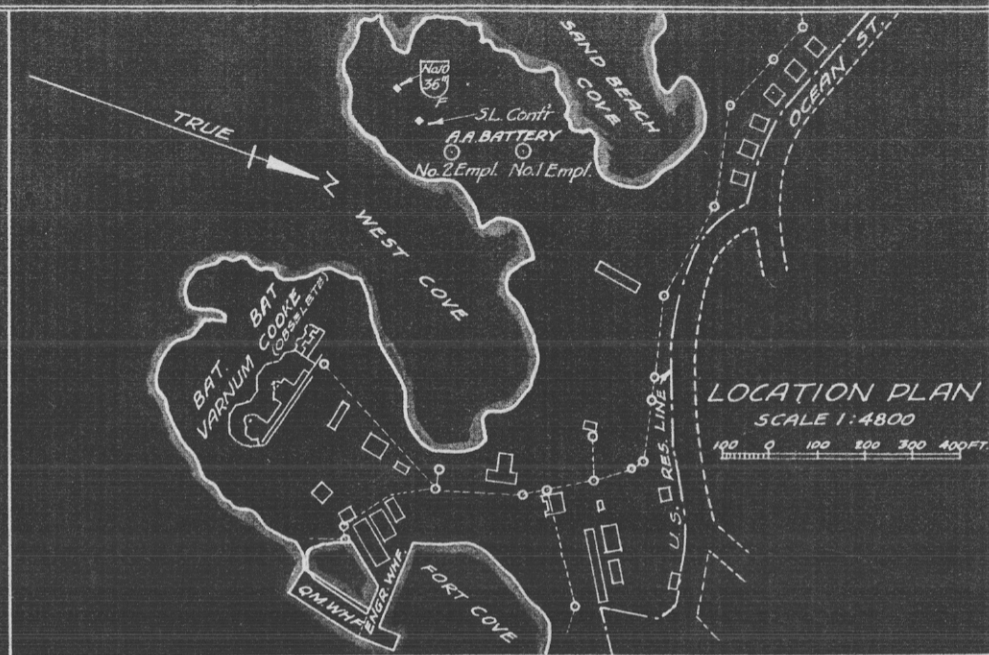
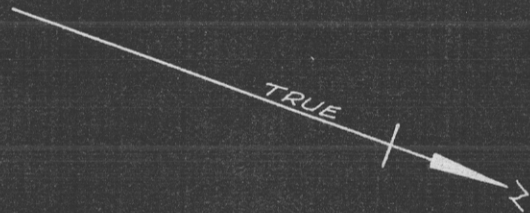
FORM NO. 7

Corrected to Dec. 1, 1925

HARBOR DEFENSES OF NARRAGANSETT BAY
FORT WETHERILL, R.I.
A. A. BATTERY

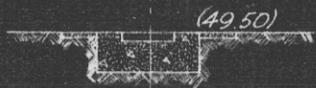
No. of Guns 2, Caliber 3", Carriage A. A.

10 0 10 20 30 40 50 60 70 FT.

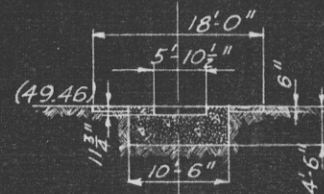


Dist. c. to c. 150.0', Az. 340°-24'-30" No. 1 to No. 2

3" Conduit for Electric Wires
3" Drain to Stone Sump



NO. 2 EMPL.



NO. 1 EMPL.

REPORT OF COMPLETED WORKS

(Battery Plan)

FORM NO.7

Corrected to Dec.1, 1925

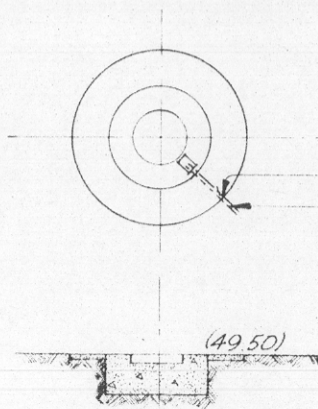
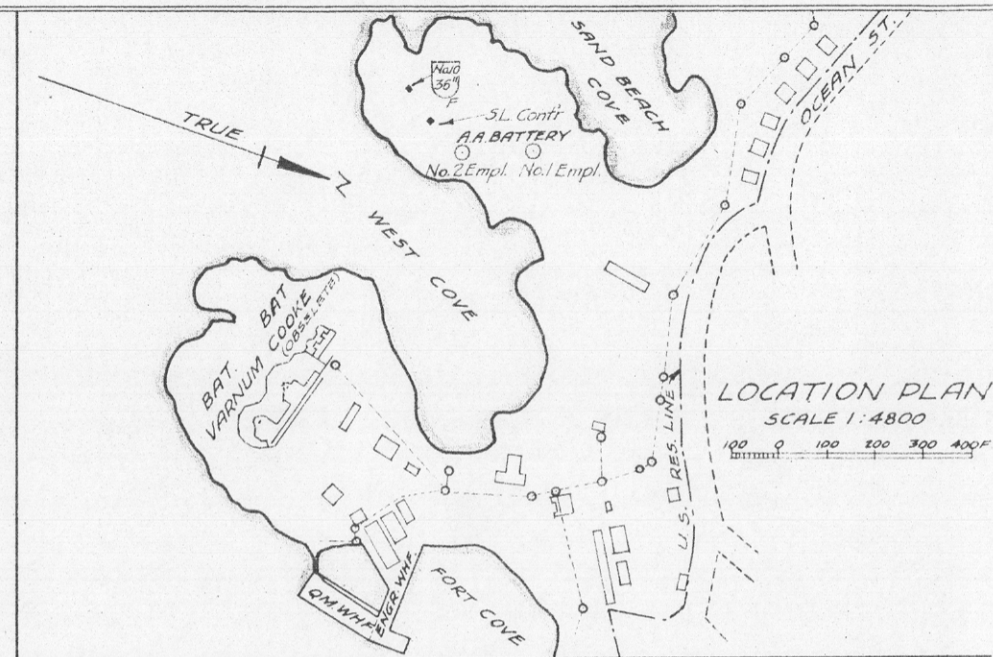
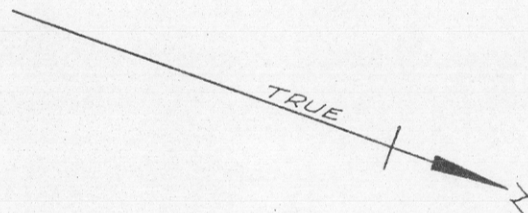
HARBOR DEFENSES OF NARRAGANSETT BAY

FORT WETHERILL, R.I.

A. A. BATTERY

No. of Guns 2, Caliber 3", Carriage A.A.

10 0 10 20 30 40 50 60 70 FT.

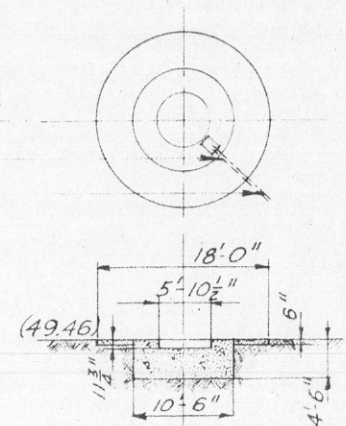


NO. 2 EMPL.

Dist. c. to c. 150.0', Az. 340°-24'-30" No. 1 to No. 2

3" Conduit for Electric Wires

3" Drain to Stone Sump



NO. 1 EMPL.

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

HARBOR DEFENSES OF... NARRAGANSETT BAY.
FORT Wetherill, R.I.,
BATTERY..... No. 2
No. of guns 2 Caliber 3" AA Carriage AA Mount

Form 1 Corrected to October 5, 1937

	<u>Nos. 1 & 2</u>	:	<u>No. 3</u>	:	1 Gun not mounted.
Battery commenced	Dec. 1920	:	June 1937	:	Sources of electric light
Battery completed	Feb. 1920 - (?)	:	Aug. 1937	:	
Date of transfer	Oct. 9, 1921 - (?)	:	Oct. 5, 1937	:	Max. kw. required for lights
Material of construction	Concrete	:	Concrete	:	
Portland or Rosendale cement	Portland	:	Portland	:	
Cost to date of transfer	\$2682.28	:	\$1,005.55	:	
Connected to water supply	No	:	No	:	Present condition of battery
Connected to sewer	No	:	No	:	Rooms wet or dry
Type of latrine	None	:	None	:	
Type of data transmission	"	:	"	:	How ventilated
Trunnion elevation in	No. 1 - 54.3'	:	No. 2 - 54.26'	:	Remarks -
battery	Site of No. 3 = 49.21'	:		:	
Datum plane	MLW	:		:	

ARMAMENT

Emplacement	:	Guns or Mortars	:	Carriages
or mortar No.	: Cal. :	Length: Model: Ser. No.: Manufacturer: Mounted: Type: Model: Ser. No.: Manufacturer: Motor	:	
1 N.W. Emp.	3" : 174.65" :	1917: 57 : Watervliet Ars.	1921 Apr. : AA Mt. 1917:	46 : Watertown Ars.
2 S.E. "	3" : 174.65" :	1917: 58 : "	Apr. 1921 AA Mt. "	47 : " "
3 Gun not mounted.	:	:	:	:
4	:	:	:	:
5	:	:	:	:
6	:	:	:	:
7	:	:	:	:
8	:	:	:	:

HOISTS

Superseded - See Form 1, corrected to July 1, 1938

Emplacement	:	Motor	:	Date of	Remodeled for
Number	: Type : Delivery :	Ser. No.:	Maker :	H.P. :	Volts: RPM : Type of:
	:		:		control.

* See Fort. Index Plat, Rev. of Apr. 4, 1938: - old legend deleted and the following added;
AA Battery No. 3, 3-3" fixed guns.

REPORT OF COMPLETED WORKS
(Battery Plan)

FORM NO. 7

Corrected to Oct. 5, 1937

HARBOR DEFENSES OF NARRAGNSETT BAY

FORT WETHERILL, R.I.

A.A. BATTERY

No. of Guns 2 Caliber 3" Carriage AA.
3 Empl. 1 Gun not mounted

10 5 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 FT.

No. 2 EMPL.



Dist. c.to c. 150.0'
Az 340°-24'-30" No. 1 to No. 2

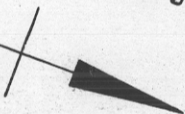
No. 1 EMPL.



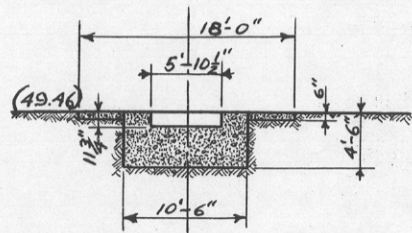
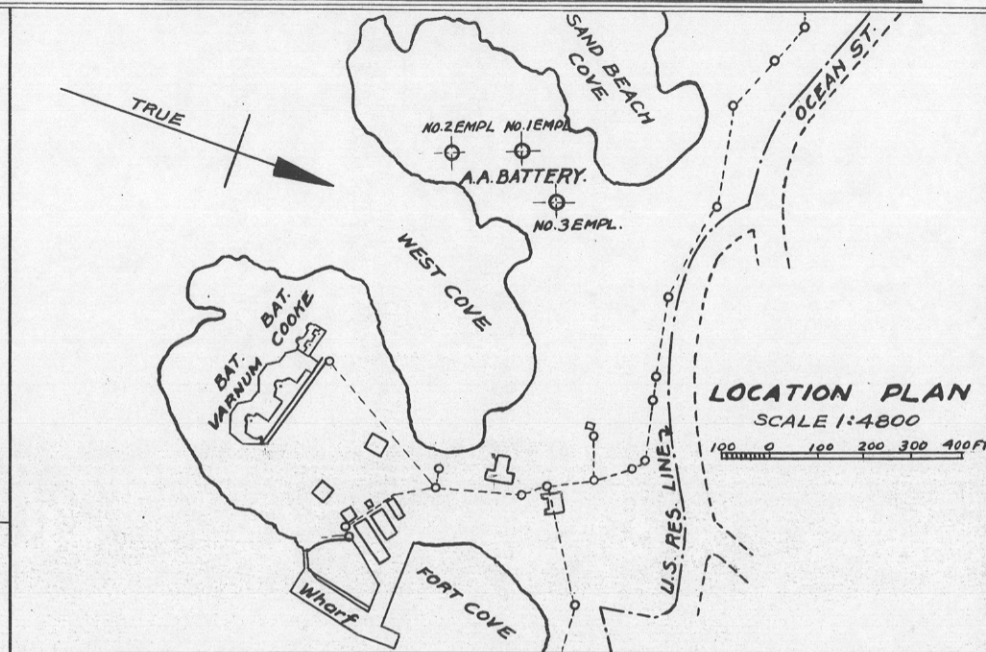
Dist. c.to c. 119.41'
Az 215°-47'-59" No. 1 to No. 3

Dist. c.to c. 238.97'
Az 187°-41'-44" No. 2 to No. 3

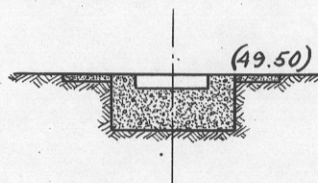
TRUE



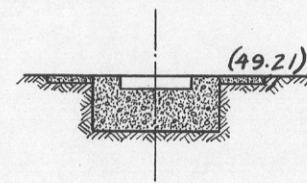
No. 3 EMPL.



NO. 1 EMPL.



NO. 2 EMPL.



NO. 3 EMPL.

With 660 B (1st C.A.) 7

REPORT OF COMPLETED WORKS
(Battery Plan)

FORM NO. 7

Corrected to Oct. 5, 1937

HARBOR DEFENSES OF NARRAGANSETT BAY
FORT WETHERILL, R.I.

A.A. BATTERY

No. of Guns 2 Caliber 3" Carriage AA.

3 Empl. 1 Gun not mounted

10 5 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 FT

No. 2 EMPL.

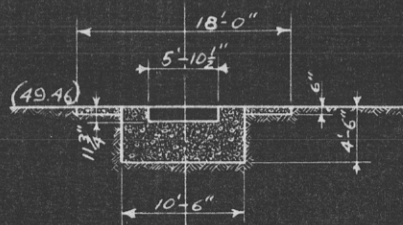
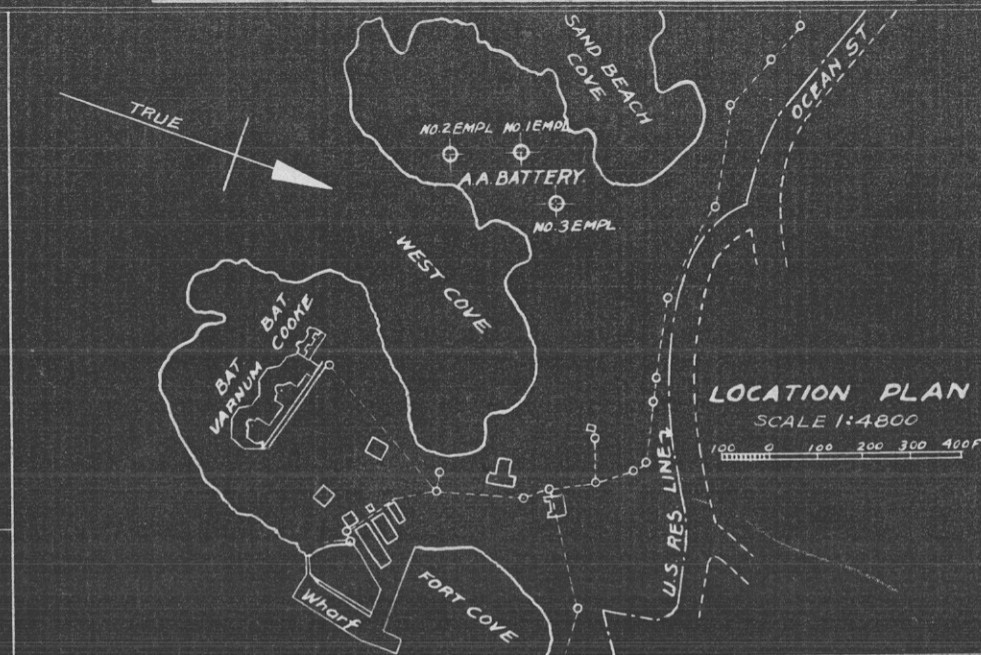
No. 1 EMPL.

Dist. c.to c. 150.0'
Az 340°-24'-30" No. 1 to No. 2

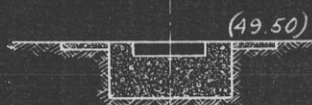
Dist. c.to c. 238.97'
Az 187°-41'-44" No. 2 to No. 3

Dist. c.to c. 119.41'
Az 215°-47'-59" No. 1 to No. 3

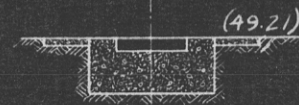
No. 3 EMPL.



No. 1 EMPL.



No. 2 EMPL.



No. 3 EMPL.

HARBOR DEFENSES OF Narragansett Bay
FORT Wetherill, R.I.
BATTERY Anti-aircraft **
No. of Guns..3..... Caliber.3"..... Carriage A.A. Mount

Corrected to July 1, 1938

```

: Sources of electric light
:
: Max. kw. required for lights
:
:
:
: Present condition of battery
: Rooms wet or dry
:
: How ventilated

```

** Modified to provide
gun emplacements for 2-
90 mm fixed guns.
See Dir. Cons. NO FS 1496.

See also 662 (Nar. Bay) 87851

: Remarks-

* This gun block constructed with P.W. A funds.

ARMAMENT

[illegible]

HOISTS

[illegible]

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
(Fire Control or Torpedo Structures)

Harbor ~~COAST~~ DEFENSES OF Narragansett Bay
FORT .. Wetherill, R. I.
STRUCTURE Double Mine Commanders Primary Station
And Plotting Rooms (M'2 - M'2)

Form 2. Corrected to December 1, 1925.

Location 240' N.E. of Gun No. I Battery Varnum Type of data transmission Telephones

Date of transfer Dec. 7, 1909 Date of transfer _____

Cost to that date \$5383.06 Cost of data transmission _____

Type of construction _____ equipment _____

(a) Roof Tar and Gravel For tide stations give descrip-
tion of tide gauge _____

(b) Remainder of bldg. Plaster Concrete on Wood Frame For datum points give Forts
from which visible _____

How concealed Partly by natural features of ground For dormitories give
stations served _____

How protected Earth Embankment, front and sides For cable hut give
S. O. type _____

Height above concealment 5.0' High Point of Roof

Height above protection " " " " "

Conspicuous at .. 1000 ... yards.

Source of electric current Bat. Varnum Emplacement Plant

Kilowatts required 0.7

Type of lighting fixtures Commercial

How heated Not heated

Connected to water mains No

Connected to sewer No

Type of latrine None

Permanent or temporary installation Permanent

Present condition Good

Reference of site 43.5' above M.L.W.

Reference of instrumental axis. 57.98' " " " "

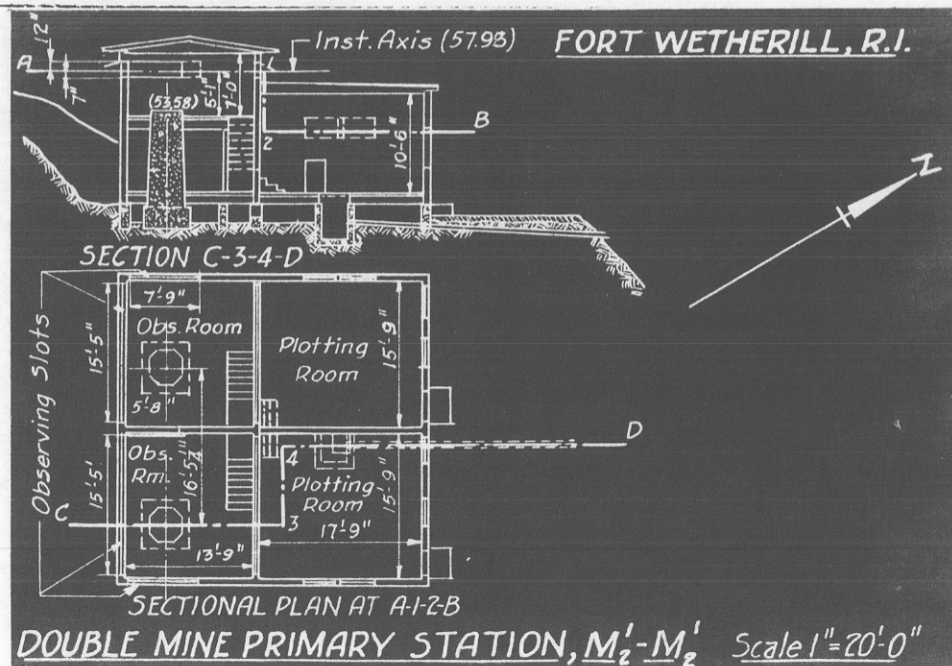
Type of observing inst. 2-Lewis DPF Model 1907 Class B/M

Type of plotting board I-W.H. Sub. Mine Model 1906

Type and capacity of crane _____

Max. dimensions of reel _____

handled _____



REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
(Fire Control or Torpedo Structures)

Form 2. Corrected to Nov. 18, 1924.

COAST DEFENSES OF Narragansett Bay, R. I......
FORT Wetherill, R. I......
STRUCTURE Mine Secondary Station.....
M² - M²

Location Richards Hill, 280' north of gun No.2, Type of data transmission Telephones.
Battery Walbach

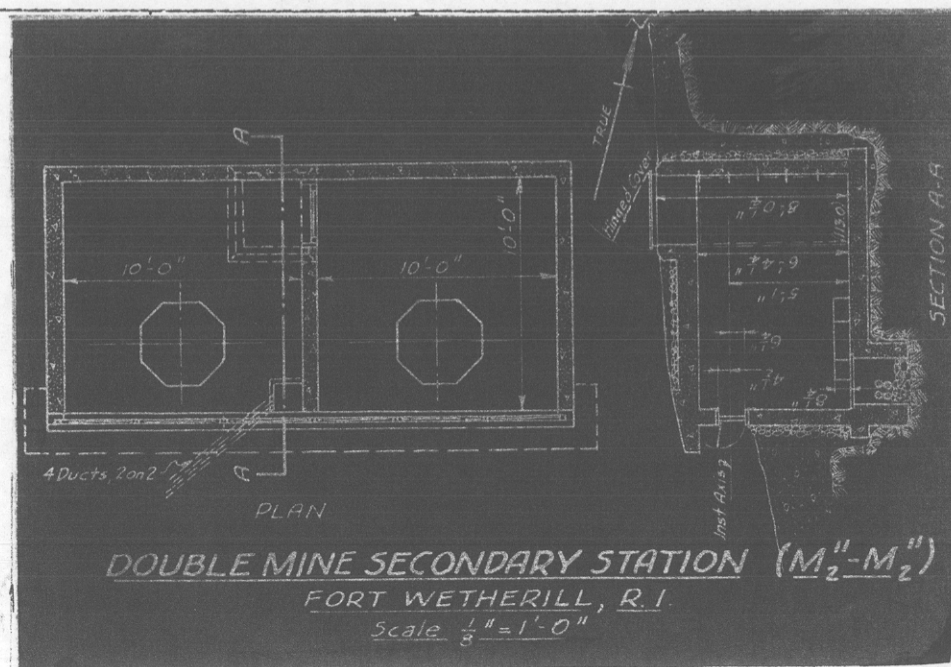
Date of transfer Nov. 10, 1924. Date of transfer _____
Cost to that date \$3306.26 Cost of data transmission _____
Type of construction Reinforced concrete. equipment _____
(a) Roof " " For tide stations give descrip-
(b) Remainder of bldg. " " tion of tide gauge _____
How concealed Earth embankment For datum points give points
from which visible _____
How protected " " For dormitories give
stations served _____
For cable hut give
S. C. type _____

Height above concealment 2' observing slot
Height above protection 4' high point of roof
Conspicuous at .. 1000.... yards.
Source of electric current Bat. Walbach Emp. plant.
Kilowatts required 0.1
Type of lighting fixtures Commercial
How heated Not heated
Connected to water mains No
Connected to sewer No
Type of latrine None
Permanent or temporary
installation Permanent
Present condition Good

Reference of site Floor 113.0' above M.L.W.
Reference of instrumental
axis. 118.08 above M.L.W.
Type of observing inst. Lewis D.P.F. Model 1907.
Type of plotting board None

Name and capacity of crane _____
dimensions of reel
handled _____

Controller for S/L No. 8 now installed in this station, see Index Plot revision Oct. 10, 1934.



REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
(Fire Control or Torpedo Structures)

Harbor-~~COAST~~ DEFENSES OF Narragansett Bay.....
FORT ... Wetherill, R.I.
* STRUCTURE ... Mining Casemate (Obsolete).....

Form 2. Corrected to December 1, 1925.

Location Between Torpedo Storehouse and Bank Type of data transmission _____

Date of transfer February 17, 1906 Date of transfer _____

Cost to that date \$9370.00 Cost of data transmission _____

Type of construction Reinforced Concrete equipment _____

(a) Roof Reinforced Concrete For tide stations give descrip-

(b) Remainder of bldg. Brick tion of tide gauge _____

How concealed Behind high bank For datum points give Forts

How protected By " " from which visible _____

Height above concealment None For dormitories give

Height above protection " stations served _____

Conspicuous at yards. Not conspicuous For cable nut give

Source of electric current Bat. Varnum Emplacement Plant S. C. type _____

Kilowatts required 0.48

Type of lighting fixtures Commercial

How heated Stove

Connected to water mains Yes

Connected to sewer Yes

Type of latrine None

Permanent or temporary Equipment moved to Bombproof

Installation Mining Casemate in Battery Zook

Present condition Good

Reference of site 9.5' above M.L.W.

Reference of instrumental _____

axis. _____

Type of observing inst. _____

Type of plotting board 000

Type and capacity of crane _____

Max. dimensions of reel _____

handled _____

Date of transfer _____

Cost of data transmission _____

equipment _____

For tide stations give descrip-

tion of tide gauge _____

For datum points give Forts

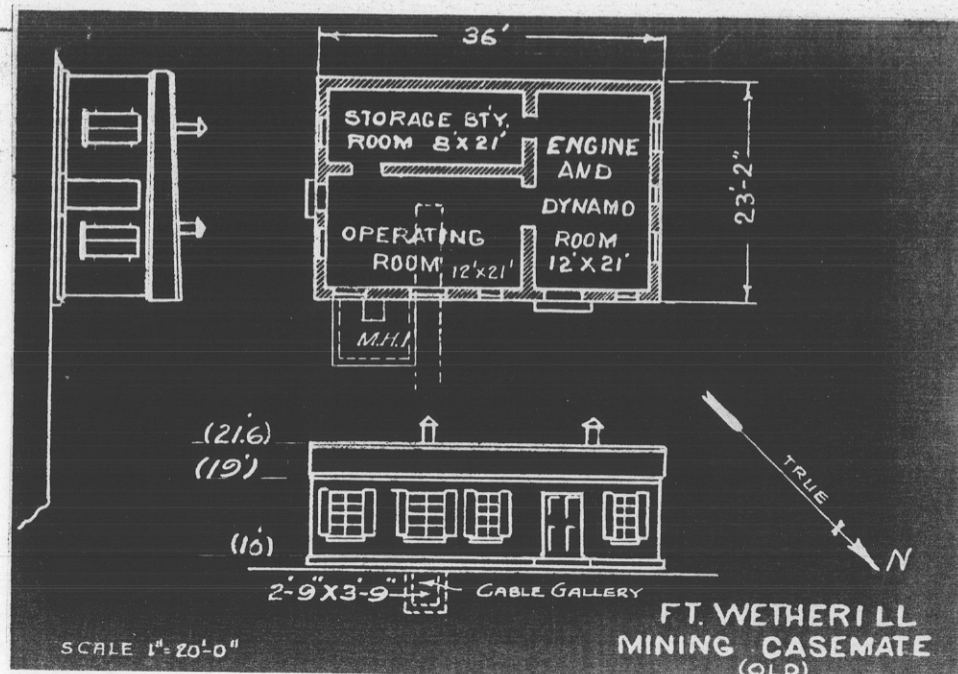
from which visible _____

For dormitories give

stations served _____

For cable nut give

S. C. type _____



* See Fort. Index Plat, Rev. of Apr. 4, 1938;
"Symbol deleted from plat".

REPORT OF COMPLETED WORKS * SEACOAST FORTIFICATIONS.
(Fire control or Torpedo Structures)

Form 2.

Corrected to November 1, 1921.

COAST DEFENSE OF Narragansett Bay
FORT Wetherill
STRUCTURE Torpedo Storehouse.

Location Behind high bank near Wharf. Type of data transmission _____

Date of transfer September 2, 1909 Date of transfer _____

Cost to that date \$18689.08 Cost of data transmission _____

Type of construction _____

(a) Roof Slate roof _____

(b) Remainder of bld reinforced concrete. _____

How concealed Behind high bank. _____

How protected Behind high bank. _____

Height above concealment None. _____

Height above protection None _____

Conspicuous at _____ yards Not conspicuous _____

Source of electric current Emp. plant Battery Varnum. _____

Kilowatts required 4.00 _____

Type of lighting fixtures 3-lt clusters and rosettes and _____

How heated stoves _____

Connected to water mains Yes. _____

Connected to sewer Yes. _____

Type of latrine None _____

Permanent or temporary installation Permanent. _____

Present condition Good _____

Reference of site 9.5 _____

Reference of instrumental axis None _____

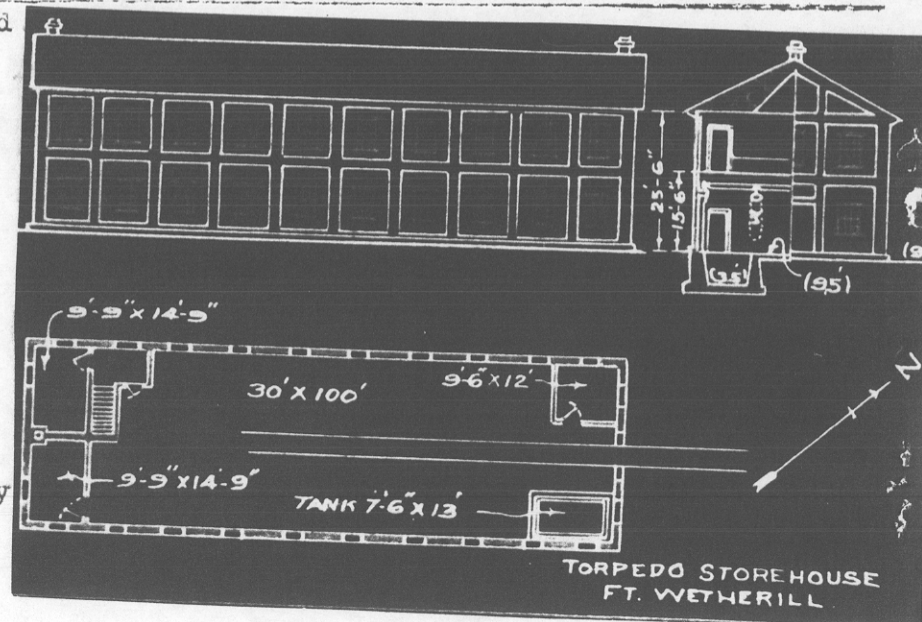
Type of observing inst. None _____

Type of plotting board None _____

Type and capacity of crane Traveling crane 2-ton capacity _____

Max. dimensions of reel handled _____

See O.C.F. Drwg. # 26-66-13



REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
(Fire Control or Torpedo Structures)

HARBOR

~~COAST~~ DEFENSES OF Narragansett Bay.....
PORT Wetherill, R. I......
STRUCTURE Torpedo Loading Room.....

Form 2. Corrected to December 1, 1925.

Location Near wharf, northwest of cable tank Type of data transmission _____

Date of transfer May 10, 1912 Date of transfer _____

Cost to that date \$4550.00 Cost of data transmission _____

T of construction Concrete & wood equipment _____

(a) Roof Slate roof For tide stations give descrip- _____

(b) Remainder of bldg. Plaster concrete on wood frame. tion of tide gauge _____

How concealed Behind cable tank & high bank For datum points give points _____

How protected " " " " " " For dormitories give _____

Height above concealment None stations served _____

Height above protection None For cable hut give _____

Conspicuous at yards. Not conspicuous S. C. type _____

Source of electric current Varnum Empl. Plant

Kilowatts required .85

Type of lighting fixtures Commercial

How heated Not heated

Connected to water mains Yes

Connected to sewer Yes

Type of latrine None

Permanent or temporary _____

installation Permanent

Present condition Good

Reference of site 9.5 above M.L.W.

Reference of instrumental _____

axis. _____

Type of observing inst. _____

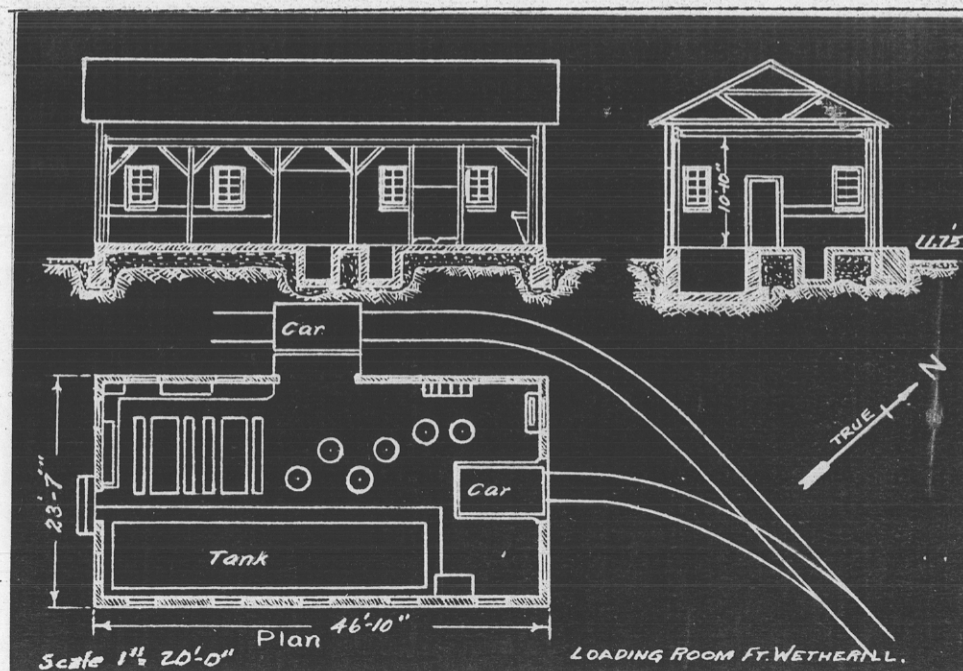
Type of plotting board _____

Type and capacity of crane 1-ton traveling crane

Max. dimensions of reel _____

handled _____

See O.C.E. Map # 26-66-22



REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
(Fire Control or Torpedo Structures)

Harbor

*COAST DEFENSES OF Narragansett Bay
FORT ... Wetherill, R.I.
STRUCTURE .. Service Dynamite Room

Form 2. Corrected to December 1, 1925.

See Index. Plot revision Oct. 10, 1934 - This bldg. now changed from
Service Dynamite Room to Ord. St. Room. Known as #41 in legend

Location Between Torpedo Loading Room and high bank Type of data transmission _____

Date of transfer May 10, 1912 Date of transfer _____

Cost to that date \$225.00 Cost of data transmission _____

Type of construction _____ equipment _____

(a) Roof Slate For tide stations give descrip-
tion of tide gauge _____

(b) Remainder of bldg. Plaster Concrete on Wood Frame For datum points give Ports
from which visible _____

How concealed Behind high bank For dormitories give
stations served _____

How protected " " " For cable hut give
S. G. type _____

Height above concealment None

Height above protection None

Conspicuous at yards. Not conspicuous

Source of electric current Bat. Varnum Emplacement Plant

Kilowatts required 0.1

Type of lighting fixtures Commercial

How heated Not heated

Connected to water mains No

Connected to sewer No

Type of latrine None

Permanent or temporary
installation Permanent

Present condition Good

Reference of site Floor 10.2' # above M.L.W.

Reference of instrumental
axis. *****

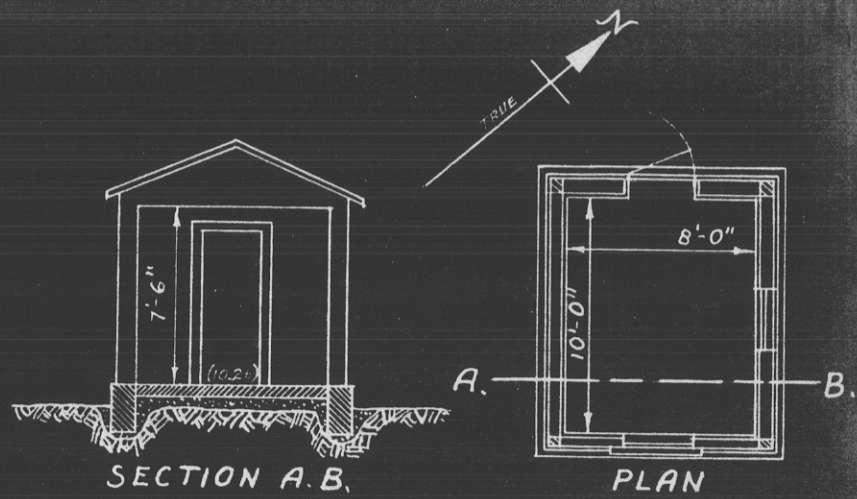
Type of observing inst. *****

Type of plotting board *****

Type and capacity of crane *****

Max. dimensions of reel
handled *****

See O.C.E. Drwg. # 26-66-22



SERVICE DYNAMITE ROOM
SCALE $\frac{1}{8}$ " = 1'-0"
FT. WETHERILL R.I.

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
(Fire Control or Torpedo Structures)

Form 2.

Corrected to December 1, 1925.

Harbor ~~Coast~~ DEFENSES OF Narragansett Bay
FORT ... Wetherill, R.I.
STRUCTURE ... Mining Cable Hut (Obselete)
Type C

Location South End of Basin at Q.M. Wharf Type of data transmission _____

Date of transfer Sept. 21, 1917 Date of transfer _____

Cost to that date \$1355.00 (including Duct Line) Cost of data transmission _____

Type of construction _____ equipment _____

(a) Roof Reinforced Concrete For tide stations give descrip-
tion of tide gauge _____

(b) Remainder of bldg. " " For datum points give Forts _____

How concealed By natural features of ground from which visible _____

How protected By Earth Embankment on west side For dormitories give _____

Height above concealment On East Side 11.0' For cable hut give _____

Height above protection " " " 11.0' S. C. type Type C

Conspicuous at 1000 yards. _____

Source of electric current None _____

Kilowatts required None _____

Type of lighting fixtures None _____

How heated Not heated _____

Connected to water mains No _____

Connected to sewer No _____

Type of latrine None _____

Permanent or temporary _____

installation Permanent _____

Present condition Good _____

Reference of site Floor 4.5' above M.L.W. _____

Reference of instrumental _____

axis. _____

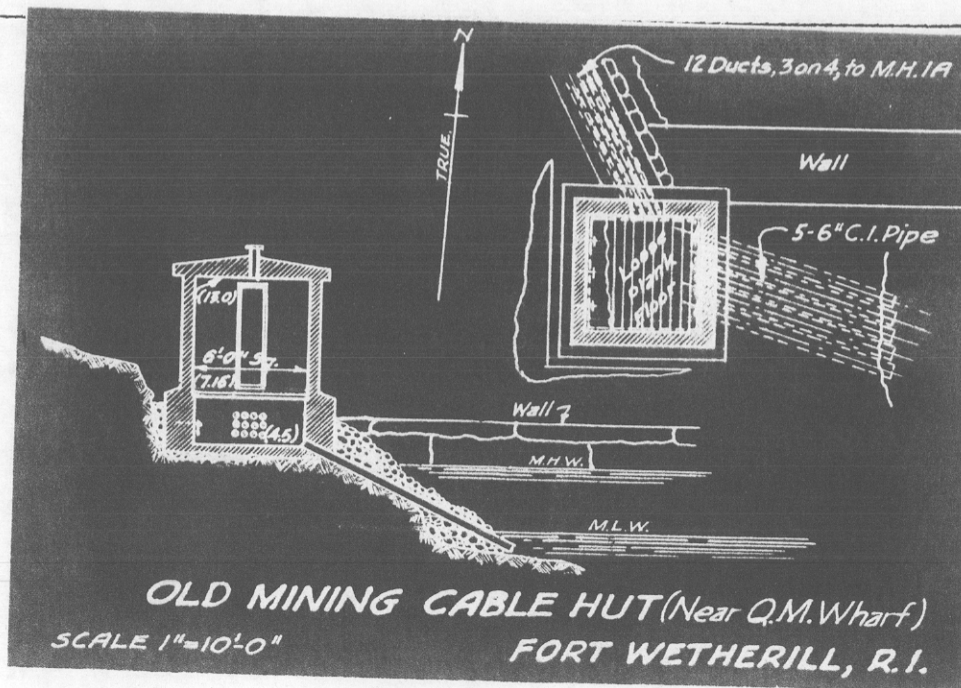
Type of observing inst. _____

Type of plotting board _____

Type and capacity of crane _____

Max. dimensions of reel _____

handled _____



REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
(Fire Control or Torpedo Structures)

HARBOR
~~COAST~~ DEFENSES OF Narragansett Bay
FORT Wetherill, R.I.
STRUCTURE .. B"(Wheaton), B"(Varnum) and
P(Varnum) Stations

Form 2. Corrected to December 1, 1925.

Location On knoll 650' N of Gun No. I Battery Varnum Type of data transmission _____
Telephones _____

Date of transfer March 25, 1905 Date of transfer _____

Cost to that date \$3600.00 Cost of data transmission _____

Type of construction _____ equipment _____

(a) Roof Reinforced Concrete, Translucent Glass For tide stations give descrip-
tion of tide gauge _____

(b) Remainder of bldg. Brick For datum points give Forts _____

How concealed Partly by natural features of ground from which visible _____

How protected Earth Embankment For dormitories give _____

Height above concealment 5.0' High point of roof _____

Height above protection 5.0' " " " " _____

Conspicuous at 1000 yards. _____

Source of electric current Bat. Varnum Emplacement Plant _____

Kilowatts required 0.25 _____

Type of lighting fixtures Commercial _____

How heated Not heated _____

Connected to water mains No _____

Connected to sewer No _____

Type of latrine None _____

Permanent or temporary _____

installation Permanent _____

Present condition Good _____

Reference of site 55.0' above M.L.W. _____

Reference of instrumental _____

axis. 64.1' " " " " _____

Type of observing inst. 2-W&S Az. Insts Type A2 _____

Type of plotting board I-W.H. 180 Model 1904 Model 1910 _____

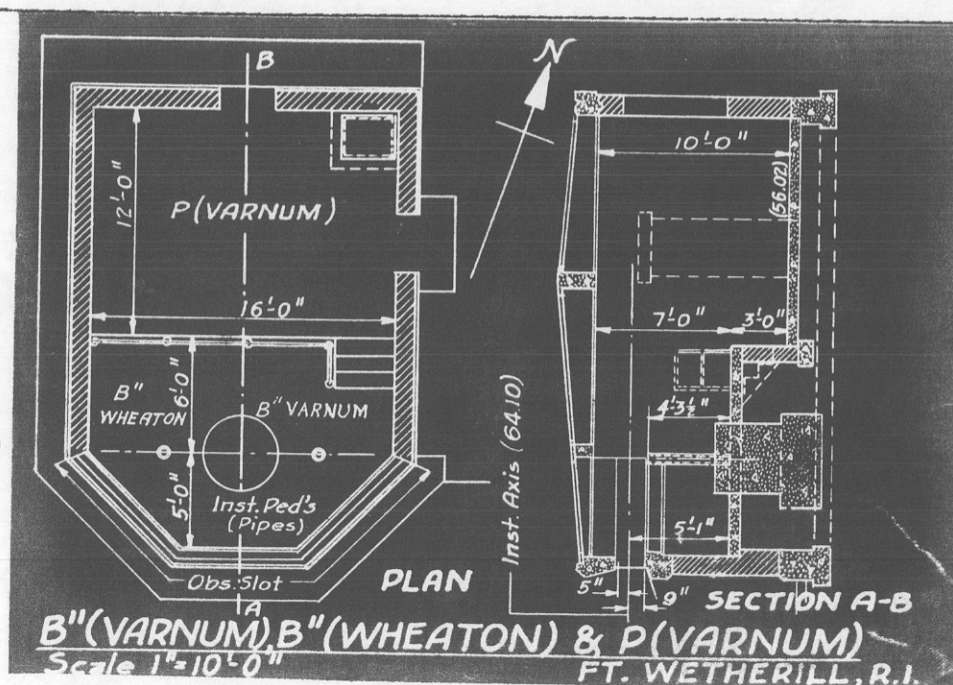
Type and capacity of crane ***** _____

Max. dimensions of reel _____

handled ***** _____

See Fort Index Plat, Rev. of Apr. 4, 1938; _____

"Symbol changed to _____



REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
(Fire Control or Torpedo Structures)

Form 2. Corrected to December 1, 1925.

HARBOR
~~XXXX~~ DEFENSES OF Narragansett Bay.....
PORT Wetherill, R. I.
STRUCTURE Supplementary Station
B''' (Edgerton) & B''' (Greene)

Location Richards Hill. 300' $\frac{1}{2}$ N of Gun No.2, Battery Walbach. Type of data transmission _____ Telephones _____

Date of transfer Not transferred. Built in 1906.

Cost to that date \$250.

Material of construction Wood frame

(a) Roof Wood, tar & felt cover

(b) Remainder of bldg. Wood

How concealed Not concealed.

How protected Not protected.

Height above concealment 8.4'

Height above protection 8.4'

Conspicuous at ... 3000 ... yards.

Source of electric current Empl. plant, Battery Walbach

Kilowatts required .1

Type of lighting fixtures Commercial

How heated Not heated

Connected to water mains No

Connected to sewer No

Type of latrine None

Permanent or temporary
installation Temporary

Present condition Fair

Reference of site Floor 123.5' above M.L.W.

Reference of instrumental
axis. Above M.L.W., Edgerton 128.8'; Greene 128.45'

Type of observing inst. 1 W&S Az. Inst. Mod. 1910, & 1 Swasey

Type of plotting board None. / DPF Type A-2.

Type and capacity of crane -

Max. dimensions of reel
handled -

Date of transfer _____

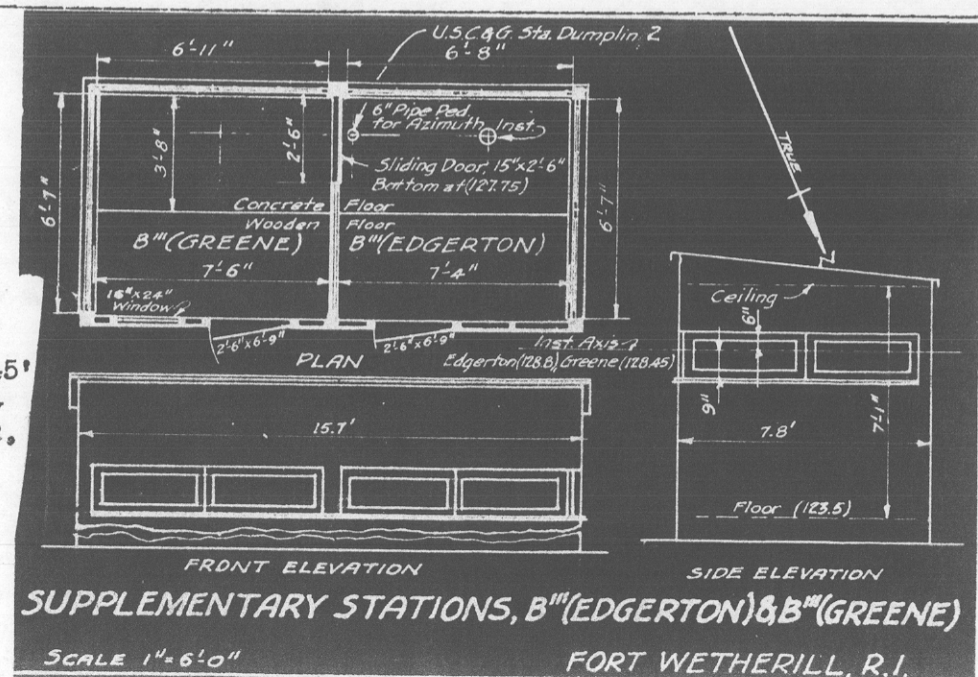
Cost of data transmission
equipment _____

For tide stations give descrip-
tion of tide gauge _____

For datum points give points
from which visible _____

For dormitories give
stations served _____

For cable hut give
S. O. type _____



* See Fort Index Plot, Rev. of Apr. 4, 1938;
"change symbol to 

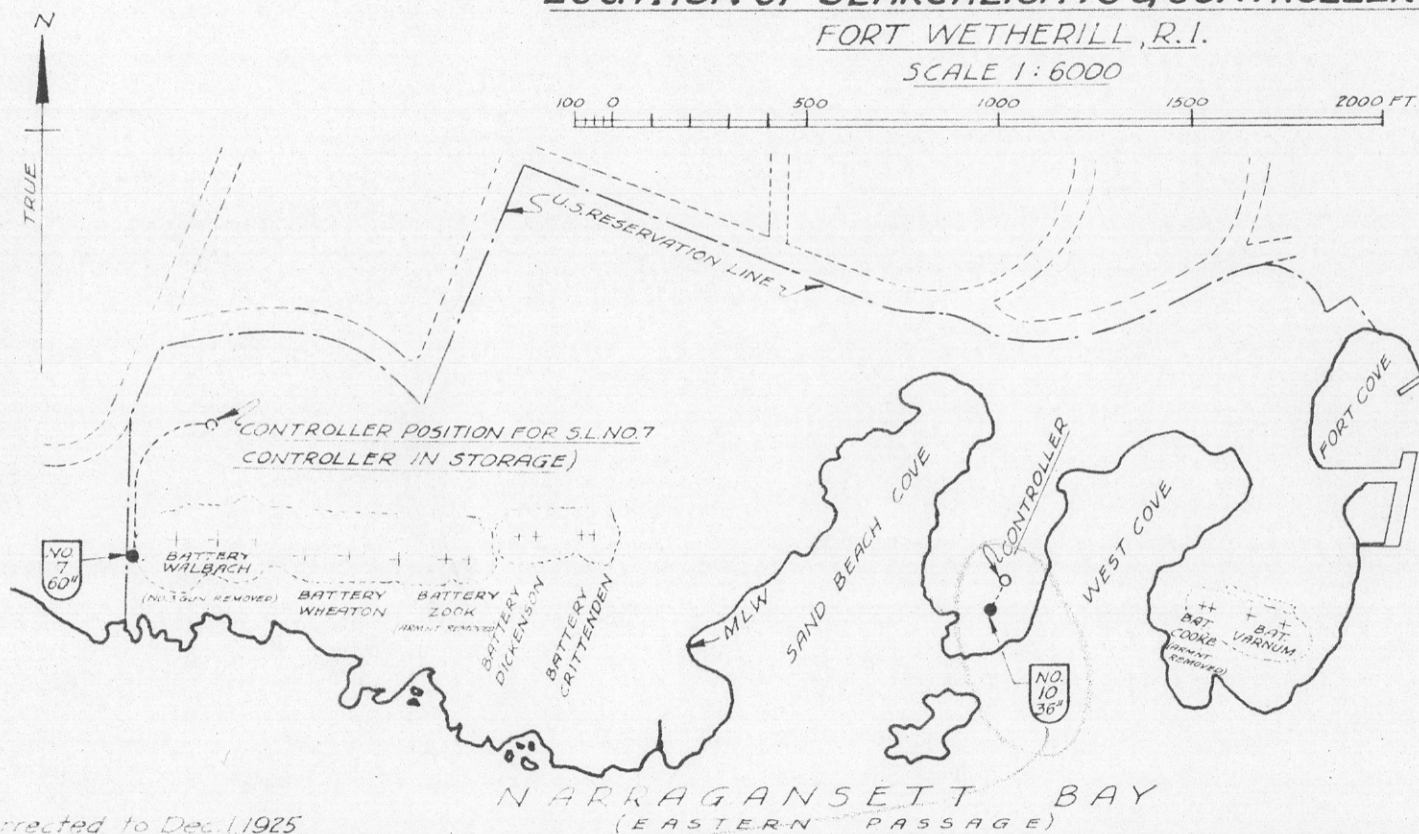
REPORT OF COMPLETED WORKS (FORM 4A)

HARBOR DEFENSES OF NARRAGANSETT BAY

LOCATION OF SEARCHLIGHTS & CONTROLLERS

FORT WETHERILL, R.I.

SCALE 1:6000



This S/L was salvaged by the Artillery in 1927 and its wooden shelter and controller booth were removed after being damaged by storm.

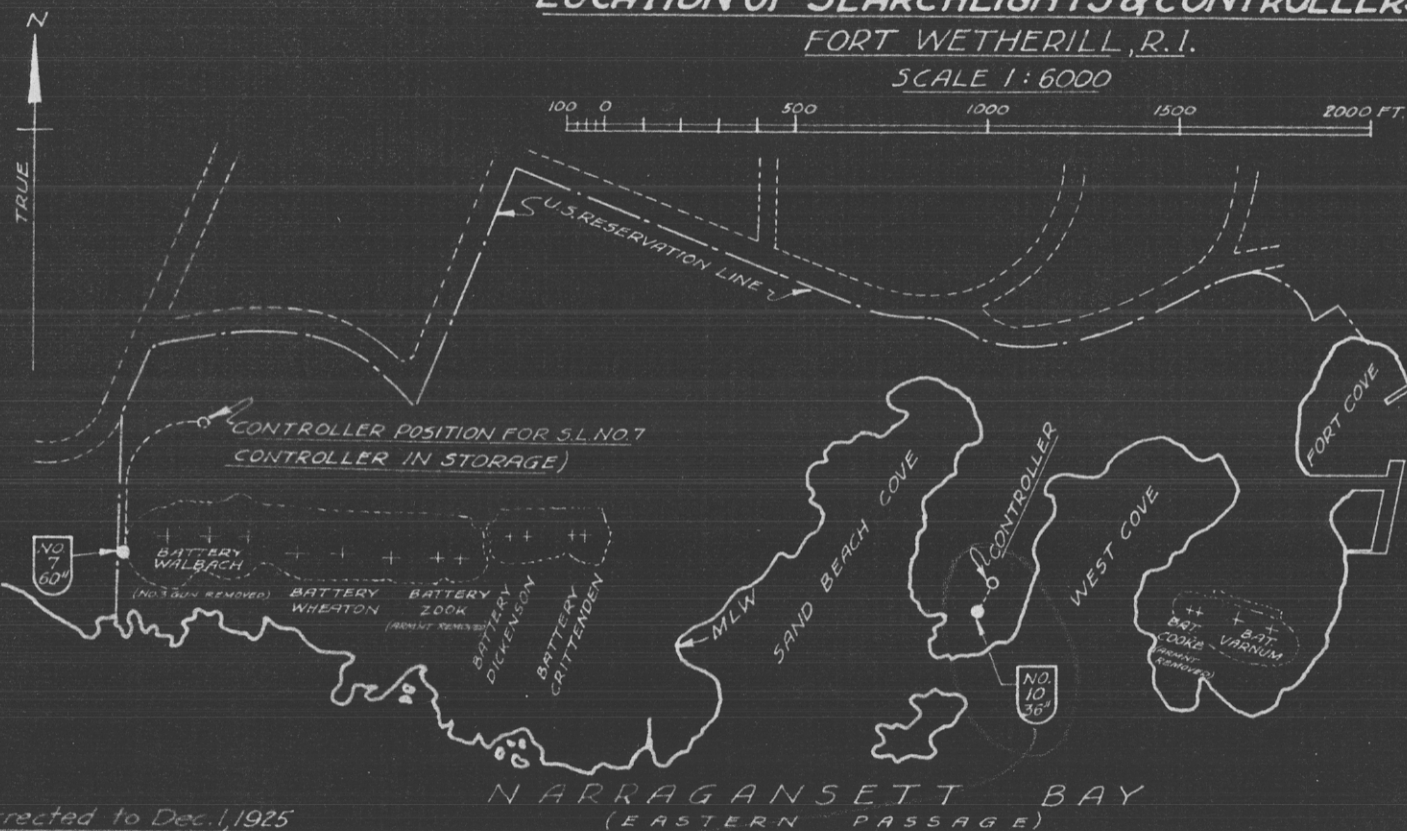
C. of E. 0612 B (Long Isl.) 10-6th ind. 1-28-29.

REPORT OF COMPLETED WORKS (FORM 4A)

HARBOR DEFENSES OF NARRAGANSETT BAY LOCATION OF SEARCHLIGHTS & CONTROLLERS

FORT WETHERILL, R.I.

SCALE 1:6000



Corrected to Dec. 1, 1925

NARRAGANSETT BAY
(EASTERN PASSAGE)

This S/L was salvaged by the Artillery in 1927 and its wooden shelter and controller booth were removed after being damaged by storm.

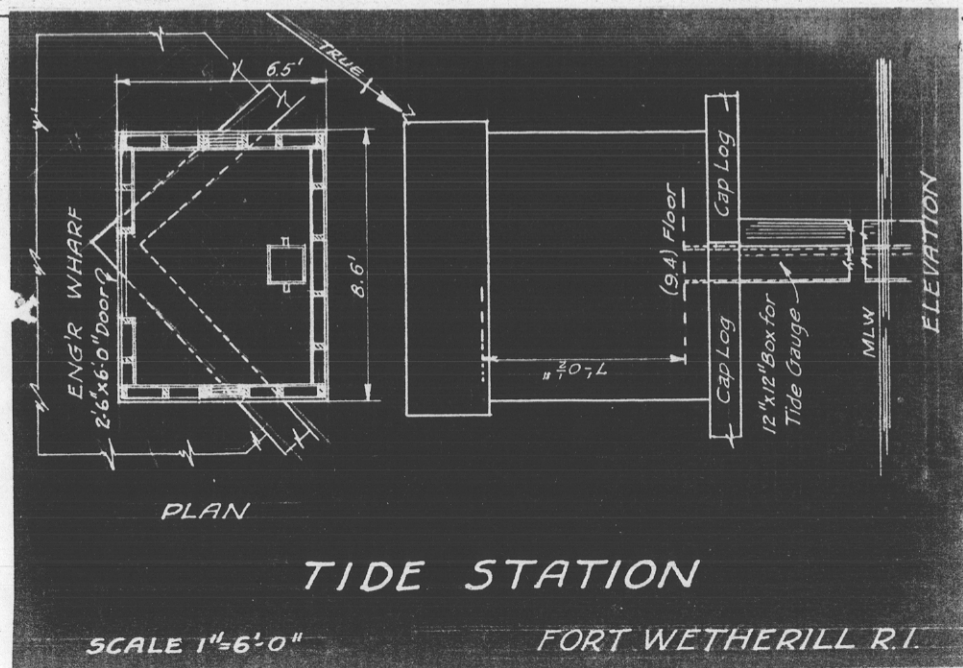
C. of E. 0612 B (Long Isl.) 10-6th ind. 1-28-29.

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
(Fire Control or Torpedo Structures)

Harbor ~~COAST~~ DEFENSES OF Narragansett Bay
FORT Wetherill, R.I.
STRUCTURE ... Tide Station

Form 2. Corrected to December 1, 1925.

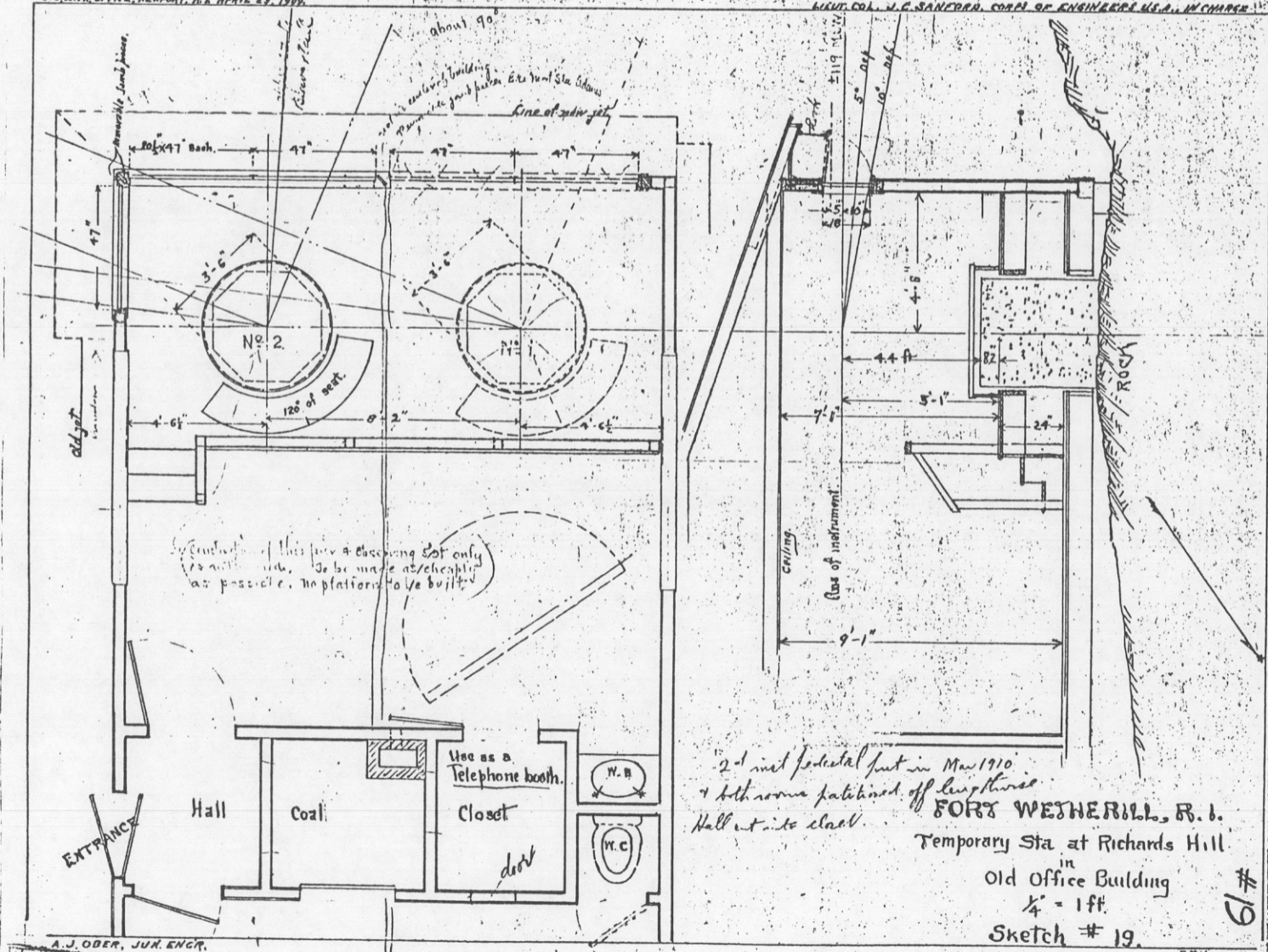
Location <u>On Engineer Dept. Wharf</u>	Type of data transmission <u>Telephone</u>
Date of transfer <u>July 17, 1908</u>	Date of transfer _____
Cost to that date <u>\$125.00</u>	Cost of data transmission _____
Type of construction _____	equipment _____
(a) Roof <u>Wood Shingle</u>	For tide stations give descrip-
(b) Remainder of bldg. <u>Wood</u>	tion of tide gauge <u>Metal float with rod and crosshead</u>
How concealed <u>By natural features of ground</u>	For datum points give Forts
How protected <u>Not protected</u>	from which visible _____
Height above concealment <u>Varies from 0' to 10.0'</u>	For dormitories give
Height above protection <u>10.0'</u>	stations served _____
Conspicuous at ... <u>1000</u> ... yards.	For cable hut give
Source of electric current <u>Bat. Varnum Emplacement Plant</u>	S. C. type _____
Kilowatts required <u>0.05</u>	
Type of lighting fixtures <u>Commercial</u>	
How heated <u>Not heated</u>	
Connected to water mains <u>No</u>	
Connected to sewer <u>No</u>	
Type of latrine <u>None</u>	
Permanent or temporary	
installation <u>Permanent</u>	
Present condition <u>Good</u>	
Reference of site <u>Floor 9.4' above M.L.W.</u>	
Reference of instrumental	
axis. <u>*****</u>	
Type of observing inst. <u>*****</u>	
Type of plotting board <u>*****</u>	
Type and capacity of crane <u>*****</u>	
Max. dimensions of reel	
handled <u>*****</u>	



Structure gone; See 660B-15
3/4/41

U.S. ENGR. OFFICE, NEWPORT, R.I. APRIL 29, 1909.

LIEUT. COL. J. C. SANFORD, CORPS OF ENGINEERS U.S.A., IN CHARGE

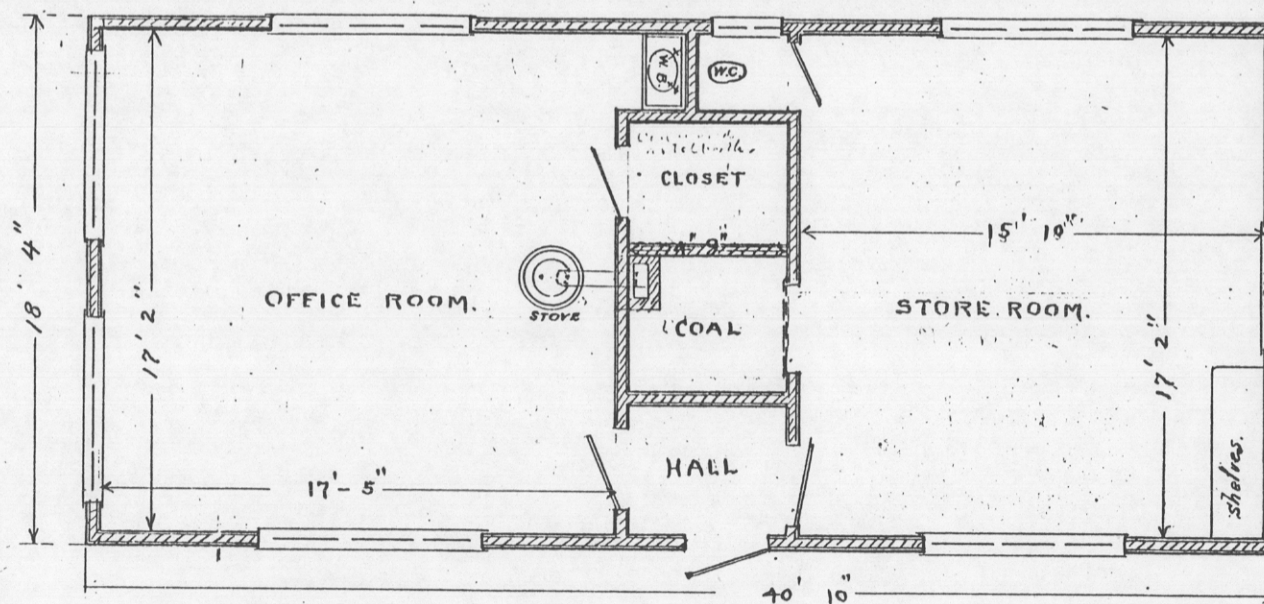


A. J. OBER, JUN. ENGR.

J. C. SANFORD

U.S. ENGINEER OFFICE, NEWPORT, R.I., DEC. 24, 1907.

COL. J. H. WILLARD, CORPS OF ENGINEERS U.S.A., IN CHARGE.



ONE STORY FRAME BUILDING.
ON "RICHARDS HILL" (ELEV. ± 100 FT.)

FORT WETHERILL, R.I.
OFFICE OF U.S. ENGINEERS.

SKETCH # 8

A.J. OBER, JUN. ENGR.

F.E. HOLLERAN, DRAFTSMAN

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
(Fire Control or Torpedo Structures)

Form 2.

Corrected to June 30, 1923. Obsolescence - See Index. Plot revised Oct. 10, 1934. Station now marked on plot 05

COAST DEFENSES OF Narragansett Bay
PORT Wetherill, R. I.
STRUCTURE Primary Station.

B¹ (Dickenson)

Location 125' - N. of Gun No. 3 Battery Walbach.

Type of data transmission Telephones.

Date of transfer Aug. 8, 1922.

Cost to that date \$1,002.13

Type of construction Manhole type.

(a) Roof Reinforced concrete, earth covered.

(b) Remainder of bldg. Concrete

How concealed Earth Embankment

How protected Earth Embankment

Height above concealment 3'6" high point of roof

Height above protection 3'6" high point of roof

Conspicuous at 1000 yards.

Source of electric current Battery Walbach Emp. plant

Kilowatts required 0.050

Type of lighting fixtures E. D. Standard

How heated Not heated

Connected to water mains No

Connected to sewer No

Type of latrine None

Permanent or temporary installation Permanent

Present condition Good

Reference of site Floor 95.40' above M.L.W.

Reference of instrumental axis. 100.80' above M.L.W.

Type of observing inst. Lewis D.P.F. Model 1907

Type of plotting board Lewis D.P.F. Model 1907

Type and capacity of crane

Max. dimensions of reel

hauled

Date of transfer

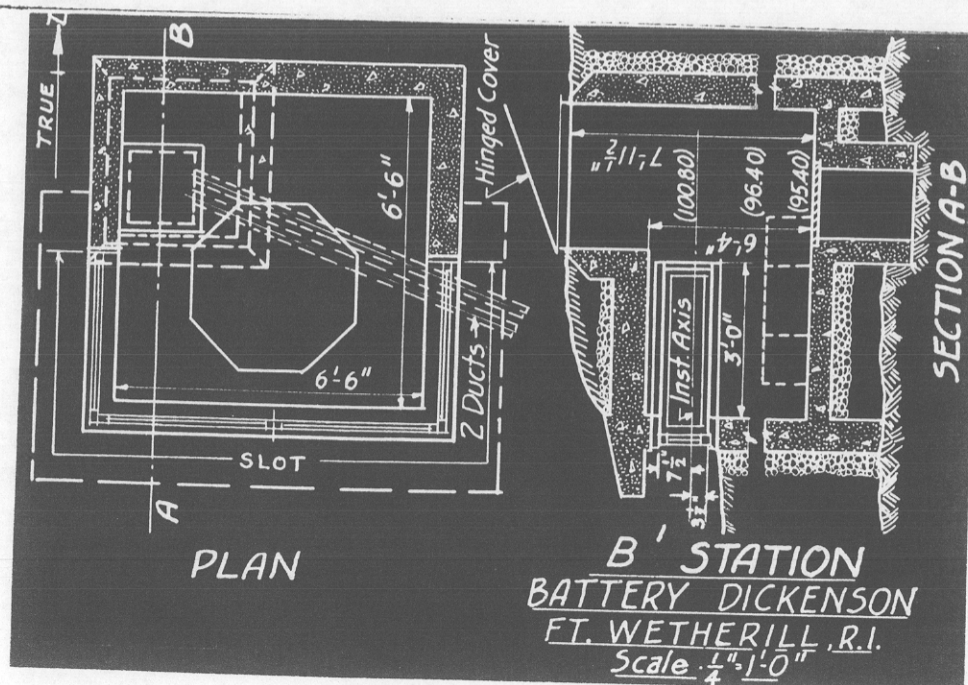
Cost of data transmission equipment

For tide stations give description of tide gauge

For datum points give points from which visible

For dormitories give stations served

For cable nut give S. C. type



REPORT OF COMPLETED WORKS -- SEACOAST FORTIFICATIONS
(Searchlights)

HARBOR

~~COAST~~ DEFENSES OF
FORT

Narragansett Bay

Wetherill, R. I.

SEARCHLIGHT NO. ~~2418~~ #12 assigned by local Artillery)

Form 4.

Corrected to December 1, 1925. Size 60" Portable or fixed. Fixed.

PROJECTOR

Location: Right flank of Bat. Walbach.

Manufacturer: Gen. Elec. Co.

Type of projector: EC

Form of projector: N6

Serial No. of projector...: 9354

Type of lamp: Sperry High Intensity

Model of lamp: 4, Mark V

Serial No. of lamp: 131

Electric or hand control: Electric

Material of mirror: Glass

Date received in district May, 1915

From whom received: Gen. Eng. Depot

Age of mirror: New in 1917.

Condition of mirror: Good

Date last repaired: No repairs

Switchboard, Serial No...: 147488

INSTALLATION

: Shelter for light; 90' runway

General character: to operating position.

Date transferred to troops...: Feb. 4, 1918.

Cost to that date: Light \$3439.32; Instal. \$6986.50

Shelter: :

Materials of construction.: Reinforced concrete.

Interior dimensions: 10'x 13'x 10'6".

Height and type of tower ...:

Means by which projector is :

placed in operating posi- :

tion: Hand operated flat car.

Reference axis of projector :

in operating position: 64' $\pm$ above M.L.W.

Kind of protection in :

operating position: None

Concealment of day shelter : Built in side of bank; con-

from approach channel: cealed from approach channel.

Dates & cost of extensive :

remodeling or reconstruc- :

tion:

CABLES #

Power plant to searchlight:

Type: Lead covered rubber

Length and size: 450' 350000 CM

In conduits or in air: In conduits

Controller to light:

Type: R.L.A.

Length and size: 875', 9 conductor

In conduit or in air: Buried

Aux. controller to light ...: None

Length and size:

In conduit or in air:

POWER PLANT

Spurce of power,

Location: Bat. Walbach Empl. Plant.

Maximum demand KW: 20.0

Type and size: 2-25KW G.E. Gen. Sets.

CONTROLLERS

In storage; formerly on

Location: Richards Hill in station
/razed in 1925.

Type:

Form: N2

Serial No.: 12216

How protected or concealed .:

See Index. Plat revision Oct. 10, 1934,
Controller now installed in
M11M2 station

① REPLACED WITH N-10 S/L 470.31A 12/1/92

O. of E. 061.2 B (Long Island) 10.
6th ind. Jan. 28, 1929.

{ This S/L. was salvaged by the Artillery in 1927, & its
w^hen shelter and controller booth were removed after
being damaged by storm -
Harbor

REPORT OF COMPLETED WORKS -- SEACOAST FORTIFICATIONS
(Searchlights)

~~COAST~~ DEFENSES OF Narragansett Bay
FORT Wetherill, R. I.

SEARCHLIGHT NO. 10 (Assigned by local Artillery)

Form 4.

Corrected to December 1, 1925.

Size 36" Portable or fixed. Fixed.

Shown on Index Plot as No. 14

PROJECTOR

Location: 500' west of Battery Cooke
Manufacturer: Gen. Elec. Co.
Type of projector: EC
Form of projector: E
Serial No. of projector...: 668
Type of lamp: H
Model of lamp: Form G
Serial No. of lamp: 4967
Electric or hand control: Electric
Material of mirror: Glass
Date received in district: Sept. 13, 1911.
From whom received: New London District.
Age of mirror: Unknown
Condition of mirror: Good
Date last repaired: March 1918.
Switchboard, Serial No...: No switchboard.

CABLES #

Power plant to searchlight:
Type: Lead covered rubber.
Length and size: 500' concentric.
In conduits or in air: In air.
Controller to light:
Type: Rubber covered
Length and size: 100' #14, 6 wire.
In conduit or in air: In air.
Aux. controller to light ..: None.
Length and size:
In conduit or in air:

INSTALLATION

General character: Collapsible wood shelter.
Date transferred to troops...: October 2, 1911.
Cost to that date: Unknown.
Shelter::
Materials of construction.: Wood.
Interior dimensions: 5' x 6' x 7'
Height and type of tower: -
Means by which projector is :
placed in operating posi- :
tion: Fixed.
Reference axis of projector :
in operating position: 53' above M.L.W.
Kind of protection in:
operating position: None.
Concealment of day shelter :
from approach channel: None.
Dates & cost of extensive : Controller booth, Dec., 1917,
remodeling or reconstruc- : Cost \$169.11
tion:

POWER PLANT

Source of power,
Location: Empl. plant, Bat. Varnum.
Maximum demand KW: 14.3
Type and size: 2-25 KW G.E., gen. sets.

CONTROLLERS

Location: Near light
Type: EC
Form: C
Serial No.: 230
How protected or concealed .: Not protected.

*Shelter & Light gone; See 660 B-15
3/4/41*

REPORT OF COMPLETED WORKS -- SEACOAST FORTIFICATIONS
(Wharf and tramway)HARBOR DEFENSES OF Narragansett Bay
WHARF AND TRAMWAY

Form 3

Corrected to Nov. 30, 1940

WHARF

Location

Fort Wetherill

Date of transfer

Nov. 22, 1940

Cost to that date

Not known

Paid for by

--

Type of construction

Stone walls and gravel

Materials of construction

fill - macadam surfacing

Type of cement

Depth of water--datum

16' M.L.W.

Mean range of tide

3.75'

Davits installed

No.

Type and capacity

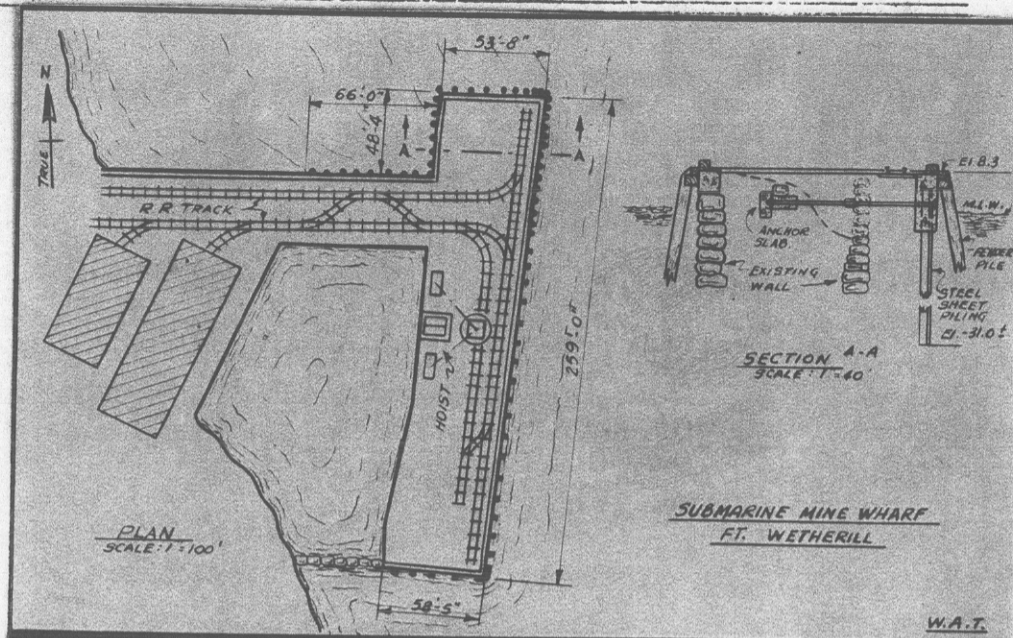
Stiffleg derrick 60' boom,
6 tons at 48', 10 tons at 28'
C.A.C. and Q.M.D.

Wharf used by

Condition

Newly Repaired

Remarks



TRAMWAY

Location

Fort Wetherill wharf

Date of transfer

Nov. 22, 1940

Cost

Not known

Length

1,200 feet

Gauge

36"

Steepest grade

3%

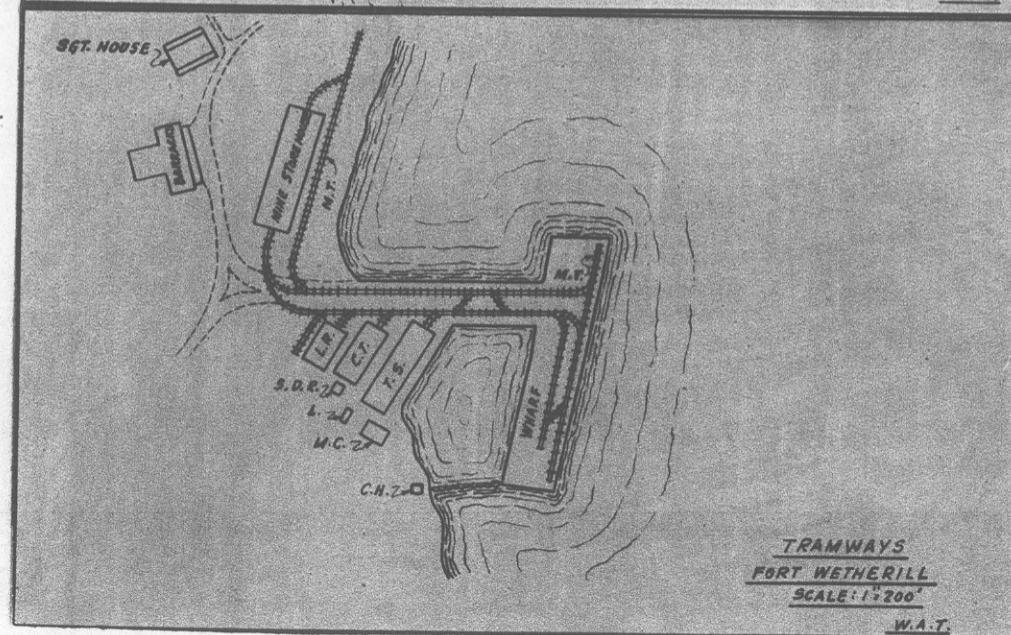
Equipment

Flat cars

Condition

Track repaired and extended.

Remarks



Transferred to T. O. C. of E. AG. 1111 (1-2-30)

REPORT OF COMPLETED WORKS - SEABOARD PORTIFICATIONS
(Wharf and Tramway)

COAST DEFENSES OF Narragansett Bay
WHARF AND TRAMWAY

Form 3

Corrected to Sept. 1, 1921.

Ft. Wetherill

WHARF

Location

Fort Wetherill

Date of transfer

Not transferred.

Cost

Unknown.

Built for by

U.S.E.D. & A.M.D.

Type of construction

Stone pier & stone

Depth of water datum

16' M.L.W.

Low range of tide

3.75

Davits installed

No.

Type and capacity of
derrick

Pillar Crane 10 T.

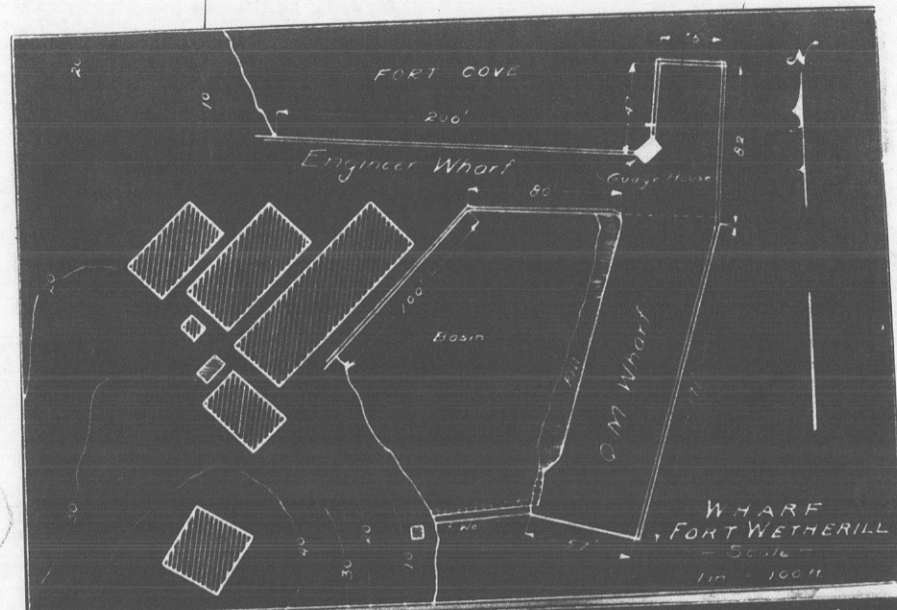
Boat used by

U.S.E.D. & A.M.D.

Condition.

Fair.

Remarks.



TRAMWAY

Location

Fort Wetherill Wharf

Date of transfer

Not transferred

Cost

Built by A.M.D.

Length

400'

Gauge

36"

Steepest Grade

None

Equipment

Flat road cars.

Condition

Fair.

Remarks.



Superseded:
Replaced by form #3
Corrected to Nov. 30, 1940

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
(Fire control or Torpedo Structures)

HARBOR DEFENSES OF Narragansett Bay
FORT Wetherill, R. I.
STRUCTURES Submarine Mine Storehouse

Form 2.

Corrected to October 1, 1940

Forts. Prov. 1/160-2
NOV 14 1940

STRUCTURE:

Location On bank north of approach to wharf
Date of transfer
Cost to that date
Type of construction
(a) Roof
(b) Remainder of bldg.
How concealed

How protected

Height above concealment
Height above protection
Conspicuous at all... yards

ELECTRIC CURRENT:

Source of
Kilowatts required
Type of lighting fixtures

HEAT:

How heated

WATER & SEWER:

Connected to water mains
Connected to sewer
Type of latrine
Permanent or temporary inst'n
Present condition

REFERENCE:

Reference of site
Reference of instrument axis

Type and capacity of crane
Max. dim. of reel handled

10/29/40
\$49,750.00
Steel frame and concrete slab. Concrete floor and walls.
Not concealed.

None

--

--

Bat. Varnum Plant and commercial power
1.5 K.W.
Standard fixtures

(Stove if required by using Arm)

Post. water system

No

None

Permanent

New

Floor El. 11.5 M.L.W.

Wright 2 ton bridge

INSTRUMENTS AND EQUIPMENT:

Type of observing inst.
Type of plotting board

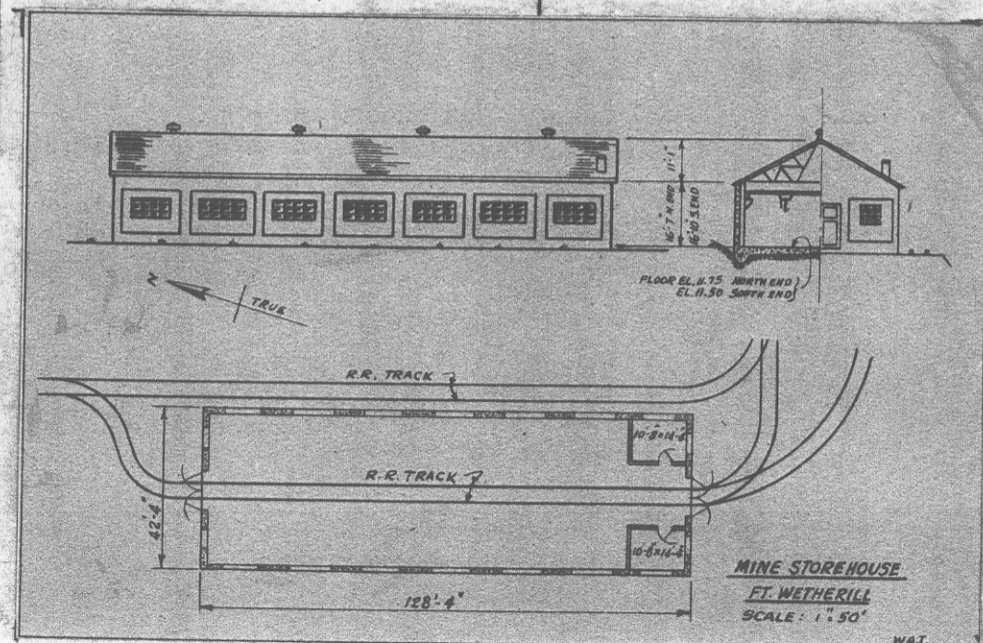
DATA TRANSMISSION:

Type of

Date of transfer
Cost of data transmission equip.
For tide stations give description of tide gauge
For datum points give Forts from which visible
For dormitories give sta. served
For cable hut give S.C. type

NEW YORK, N.Y.

None



REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
(Fire Control or Torpedo Structures)

HARBOR
~~COAST~~ DEFENSES OF Narragansett Bay
PORT Wetherill, R. I.
STRUCTURE Cable Tank

Form 2. Corrected to December 1, 1925.

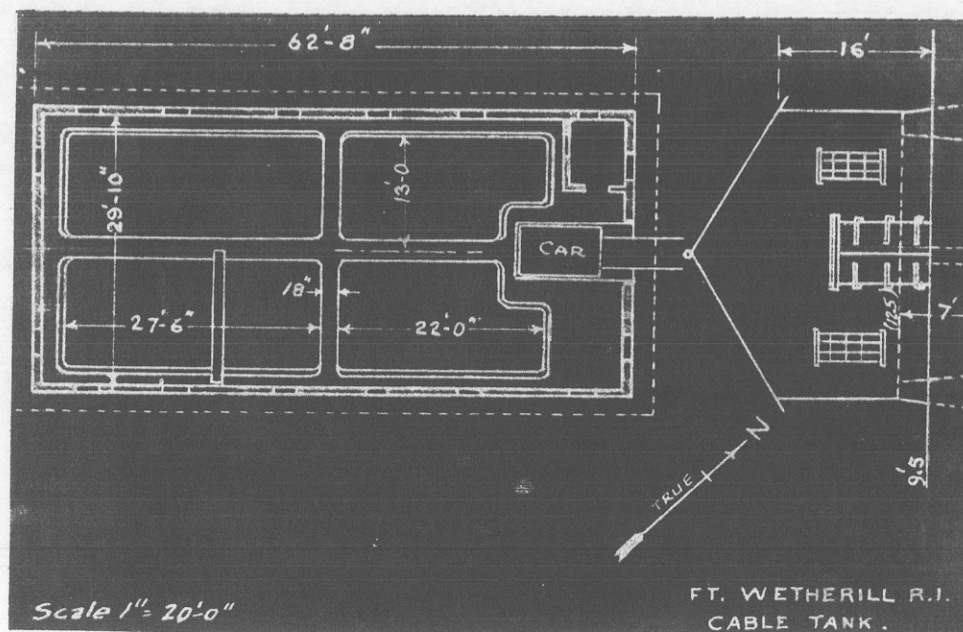
Location Between loading room and torpedo storehouse adjacent to wharf. Type of data transmission _____

Date of transfer September 2, 1909. Date of transfer _____
Cost to that date \$8885.66 Cost of data transmission _____
Type of construction Concrete equipment _____
(a) Roof Slate For tide stations give descrip-
(b) Remainder of bldg. Reinforced concrete tion of tide gauge _____
How concealed Behind loading room & high ledge For datum points give facts
How protected " " " " " " from which visible _____
For dormitories give stations served _____
For cable hut give S. S. type _____

Height above concealment None
Height above protection None
Conspicuous at _____ yards Not visible from approach.
Source of electric current Emp. plant, Battery Varnum.
Kilowatts required .72
Type of lighting fixtures Commercial
How heated Not heated
Connected to water mains Yes
Connected to sewer Yes
Type of latrine None
Permanent or temporary installation Permanent
Present condition Good

Reference of site 9.5' above M.L.W.
Reference of instrumental axis. _____
Type of observing inst. _____
Type of plotting board _____
Type and capacity of crane Traveling, 5-ton capacity
Max. dimensions of reel handled _____

See O.C.E. Drawing # 26-66-14



DEC 21 1929

This sheet supersedes sheet dated December 1, 1925

REPORT OF COMPLETED WORKS-SEACOAST FORTIFICATIONS.

HARBOR DEFENSES OF
FORT

NARRAGANSETT BAY
WETHERILL, R.I.

Form 6. Corrected to December 15, 1927.

ENGINEER DEPARTMENT STRUCTURES.

On this sheet list any existing structures of a permanent or semipermanent nature used wholly or in part by the Engineer Department, such as wharves, storehouses, quarters, office buildings, railroads and railroad equipment, giving for each a short description, dimensions, materials of construction, present use, location, etc., and cost if known.

Transfer to Q.M. recommended Dec. 1928, C. of E. 634 (Narr. Bay) 12

FIELD OFFICE: In Engineer yard, rear of Battery Varnum and near wharf; 16' x 32'; one story wooden structure, with shingled roof; used for small freight depot and storage of small tools and materials; cost unknown.

BARN: On road north of B' (Varnum); 35' x 40'; one story wooden structure, shingled sides and roof; used temporarily by Quartermaster for stable; cost unknown.

STOREHOUSE: At foot of Richards Hill, in rear Battery Wheaton; 30' x 50'; 1-1/2 story wooden structure with shingled roof; used as general storehouse for plant and materials; cost unknown.

ENGINEER WHARF: In cove at east end of reservation; L shaped; 33 feet wide on shore end; outer face 80 feet; north end of L, 35 feet; brownstone face wall, with concrete coping and timber caplog; broken stone and earth filling; mining tramway on south side extending to south on Q.M. wharf which adjoins outer end of Engineer wharf; used together with Q.M. wharf for all purposes; cost unknown.

To be considered as a submarine wharf and maintained solely from Engineer maintenance funds.

See C. of E. 663 G (Narragansett Bay) 1, 12th Ind.

A.G. 612 Ft. Wetherill (5-6-36) (Misc) D, Oct. 17, 1936

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
(Fire Control or Torpedo Structures)

Form 2. Corrected to December 1, 1925.

HARBOR

~~XXXX~~ DEFENSES OF Narragansett Bay
FORT Wetherill, R. I.
STRUCTURE S.C. Cable Hut
(Type C)

Location N. shore Fort Cove, E. end of reservation Type of data transmission -

Date of transfer No transfer. Built for S.C. 1911 by E.D. Date of transfer -

Cost to that date \$400. Cost of data transmission -

Time of construction - equipment -

(a) Roof Reinforced concrete For tide stations give description of tide gauge -

(b) Remainder of bldg. Concrete For datum points give Ports from which visible -

How concealed By high ground For demeritaries give stations served -

How protected Not protected For cable hut give S. C. type Type C

Height above concealment 0

Height above protection 7.5 feet

Conspicuous at - yards. Not conspicuous

Source of electric current None

Kilowatts required None

Type of lighting fixtures None

How heated Not heated

Connected to water mains No

Connected to sewer No

Type of latrine None

Permanent or temporary installation Permanent

Present condition Good

Reference of site 10' above M.L.W.

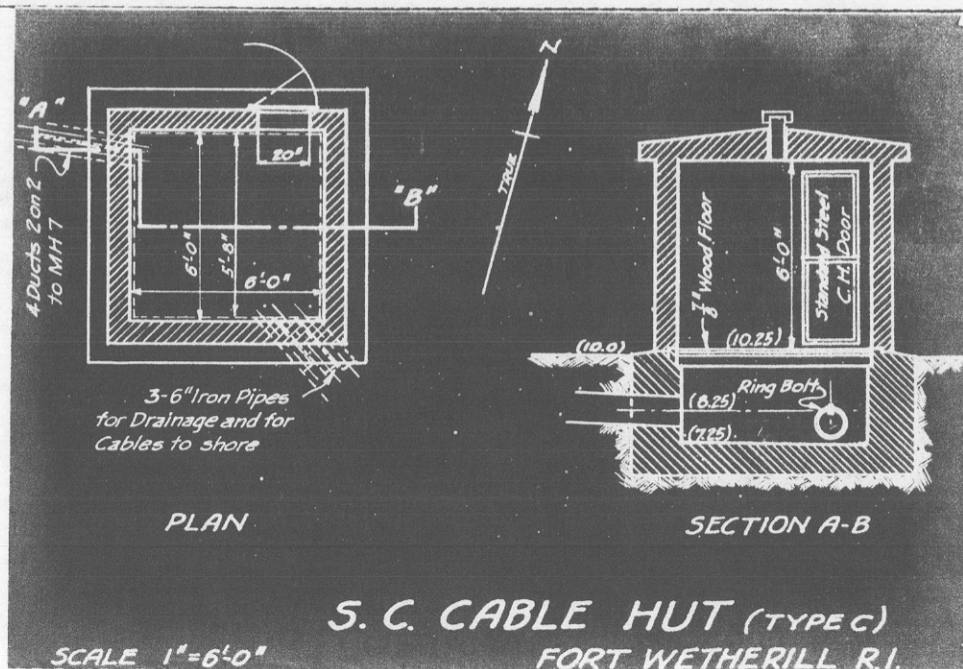
Reference of instrumental axis. -

Type of observing inst. -

Type of plotting board -

Type and capacity of crane -

Max. dimensions of reel handled -



REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
(Fire Control or Torpedo Structures)

COAST DEFENSES OF Narragansett Bay
FORT Wetherill, R. I.
STRUCTURE Cable Terminal Hut

Form 2. Corrected to July 23, 1923.

Location In cove, 425' - S. E. of Battery Dickenson Type of data transmission None

Date of transfer July 6, 1923. Date of transfer _____

Cost to that date \$1,130.34 Cost of data transmission _____

Type of construction _____ equipment _____

(a) Roof Reinforced concrete For tide stations give descrip-

(b) Remainder of bldg. Concrete; wood floor. tion of tide gauge _____

How concealed By high ground on three sides. For datum points give Forts _____

How protected Natural ledge, front and two sides. from which visible _____

Height above concealment None For dormitories give _____

Height above protection None stations served _____

Conspicuous at _____ yards. not conspicuous For cable hut give _____

Source of electric current None S. C. type Type C.

Kilowatts required _____

Type of lighting fixtures None

How heated Not heated

Connected to water mains No

Connected to sewer No

Type of latrine None

Permanent or temporary _____

installation Permanent

Present condition Good

Reference of site Floor (basement) 9.0 above M.L.W.

Reference of instrumental _____

axis. _____

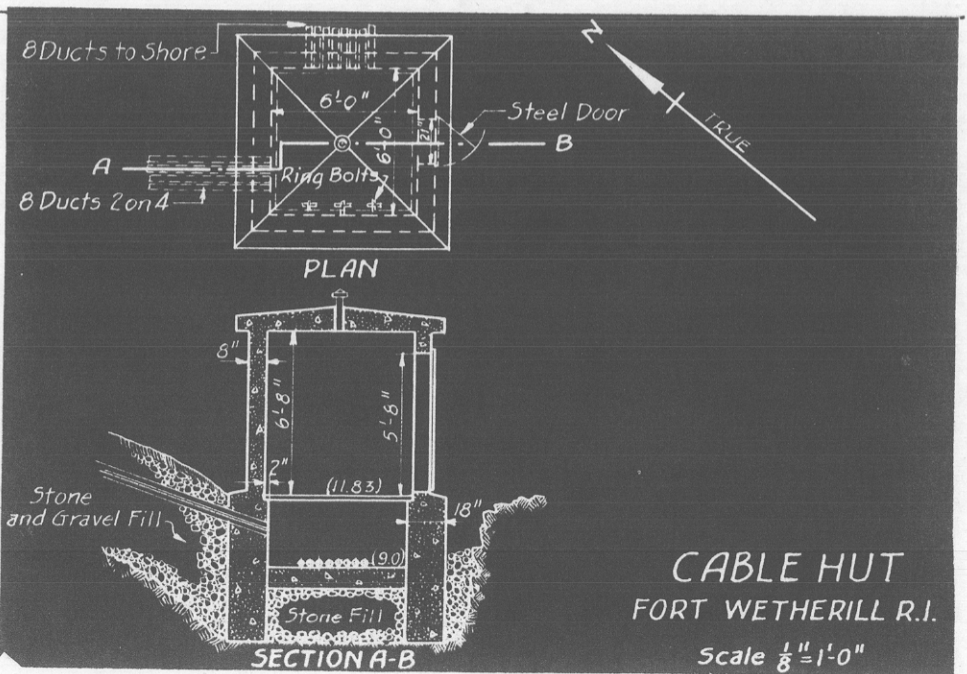
Type of observing inst. _____

Type of plotting board _____

Type and capacity of crane _____

Max. dimensions of reel _____

handled _____



REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.
(Fire Control or Torpedo Structures)

COAST DEFENSES OF Narragansett Bay
FORT Wetherill, R. I.
STRUCTURE Primary and B.C. Station

Form 2. Corrected to June 30, 1923.

✱ B¹ and B C (Walbach)

Location 230' N. of Gun No. 2, Battery Walbach Type of data transmission Telephones.

Date of transfer Aug. 8, 1922 Date of transfer

Cost to that date \$2,530.44 Cost of data transmission

Type of construction Manhole type equipment

(a) Roof Reinforced concrete, earth covered. For tide stations give descrip-

(b) Remainder of bldg. Concrete tion of tide gauge

How concealed Earth Embankment For datum points give Ports

How protected Earth Embankment from which visible

Height above concealment 2'-0" (observing slot). For dormitories give

Height above protection 2'-0" (observing slot). stations served

Conspicuous at 1000.. yards. For cable nut give

Source of electric current Battery Walbach Emp. Plant S. C. type

Kilowatts required .050

Type of lighting fixtures E. D. Standard

How heated not heated

Connected to water mains no

Connected to sewer No

Type of latrine None

Permanent or temporary

installation Permanent

Present condition Good

Reference of site Floor 112.35' above M.L.W.

Reference of instrumental

axis. 117.73' above M.L.W.

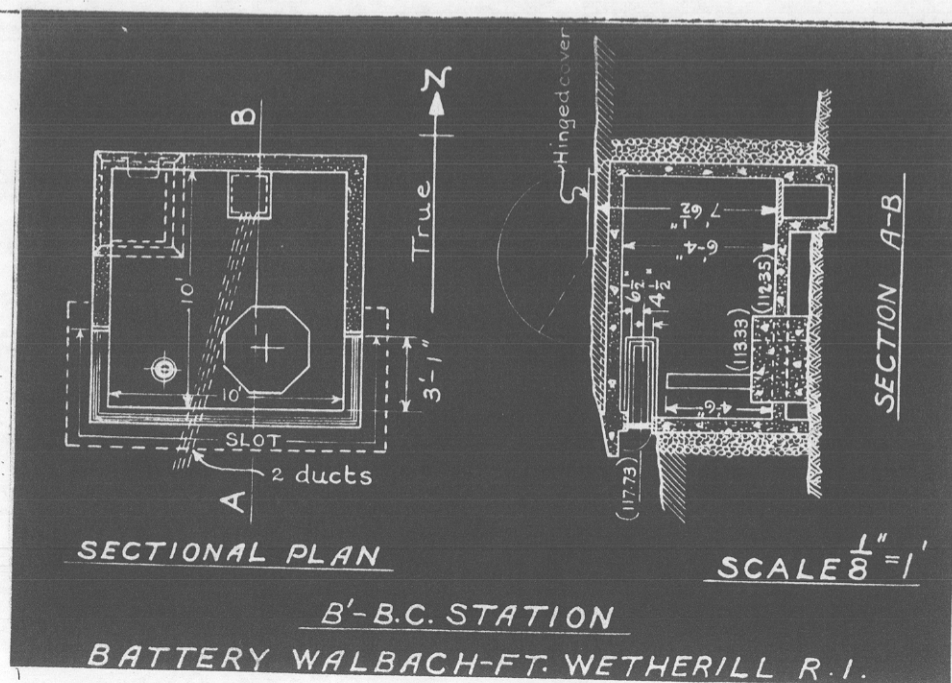
Type of observing inst. Lewis D.P.F. Model 1907

Type of plotting board

Type and capacity of crane

Max. dimensions of reel

handled



✱ See Fort. Index Plat, Rev. of Apr. 4, 1938;

"change symbol to BC"

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS

Shelter for Portable Searchlights

Form 6.

Corrected to July 1, 1942

HARBOR DEFENSES OF Narragansett Bay

FORT Wetherill

ENGINEER DEPARTMENT STRUCTURES

Location: East Center
Date completed: June 1942
Date of transfer: June 19, 1942
Cost to date: \$7,596.65
Type of construction: Floor - Concrete
Frame - Steel
Walls - Corrugated asbestos
Roof - " "

Building size: 25'-2" x 61'- 7-1/4"
Storage: 5 Portable Searchlights with
Power Plants.

Remarks:
Constructed by Providence District
U. S. Engineer Office by Hired Labor
from type plan prepared by Office, Chief
of Engineers.

