

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS.

(Fire control or Torpedo Structures)

Form 2.

Corrected to July 1, 1942

HARBOR DEFENSES OF ..Narragansett Bay

PORT Bonnet Point Reservation (Vaenum)

STRUCTURES M¹ (Mine Command 1)

STRUCTURE:

Location

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 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

Bluff on South end of
Bonnet Pt.

June 19, 1942

\$3,461.48

Manhole

Concrete

Earth cover

Concrete and earth

0

0

Not conspicuous

Commercial Power

0.2

Engineer Dept.

Oil heater

No

No

None

Permanent

New

Mean Low Water

--

None

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 descrip-
tion of tide gauge

For datum points give Forts
from which visible

For dormitories give sta. served

For cable hut give S.C. type

D.P.F.

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Telephone

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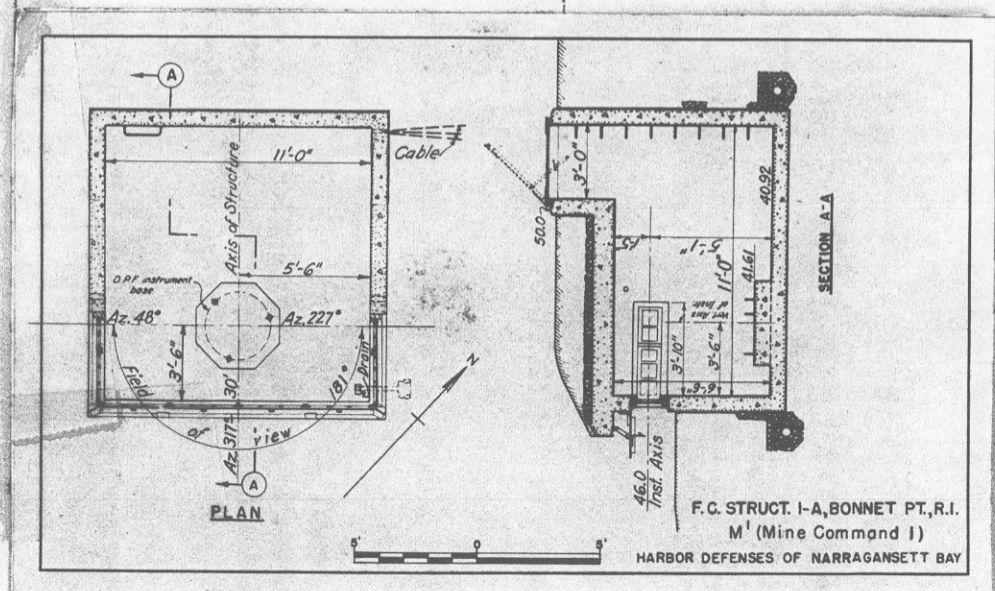
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600.914 (E.D.C.) CM 73030

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Gun and Mortar Batteries)HARBOR DEFENSES OF Narragansett Bay, R. I.
~~PORT~~ Boston Neck, R. I. Fort Varnum...
BATTERY House *
No. of guns 2 Caliber 6" RF Carriage Barbette

Form 1 Corrected to November 30, 1942

GENERAL:

Battery commenced April 18, 1942
 Battery completed Sept. 15, 1942
 Date of transfer August 29, 1942
 Cost to date of transfer \$53,955
 Materials of construction Concrete
 Type of cement Class A
 WA AND SEWER:
 Connected to water supply Yes
 Connected to sewer Yes
 Type of latrine In Magazine
 Trunnion elevation in btry. #1= 20.50 : #2= 20.50
 Datum plane M.L.W.

73030

ELECTRIC CURRENT:

Sources of Commercial & Standby 5 KVA gas-elec. generating set.
 Max. kw. required for lights 1.8
 Max. kw. required for motors None
 Present condition of battery New
 Rooms wet or dry Dry
 How ventilated Roof vents
 Type of data transmission Display Board
 Remarks

ARMAMENT

Emplacement or mortar No.	Guns or Mortars						Carriages			
	Cal.	length	model	Serial No.	Manufacturer	mounted	Type	model	Serial No.	Manufacturer Motor
1	6"	25'	1900	30	(Watervliet Arsenal)	1906	Barb.	1900	28	(Watertown Arsenal) None
2	6"	25'	1900	32	do	1906	Barb.	1900	29	do None

HOISTS

Emplacement Number	Type	Delivery	Motor					Date of transfer	Remodeled for long points
			Serial No.	Maker	H.P.	Volts	RPM		
1									
2		(None)							

* Declared Excess - Ltr Apr 30, 1947 AGF
 File 602.106(C) (30 APR 47) GNGDS-1A

REPORT OF COMPLETED WORKS
BATTERY PLAN

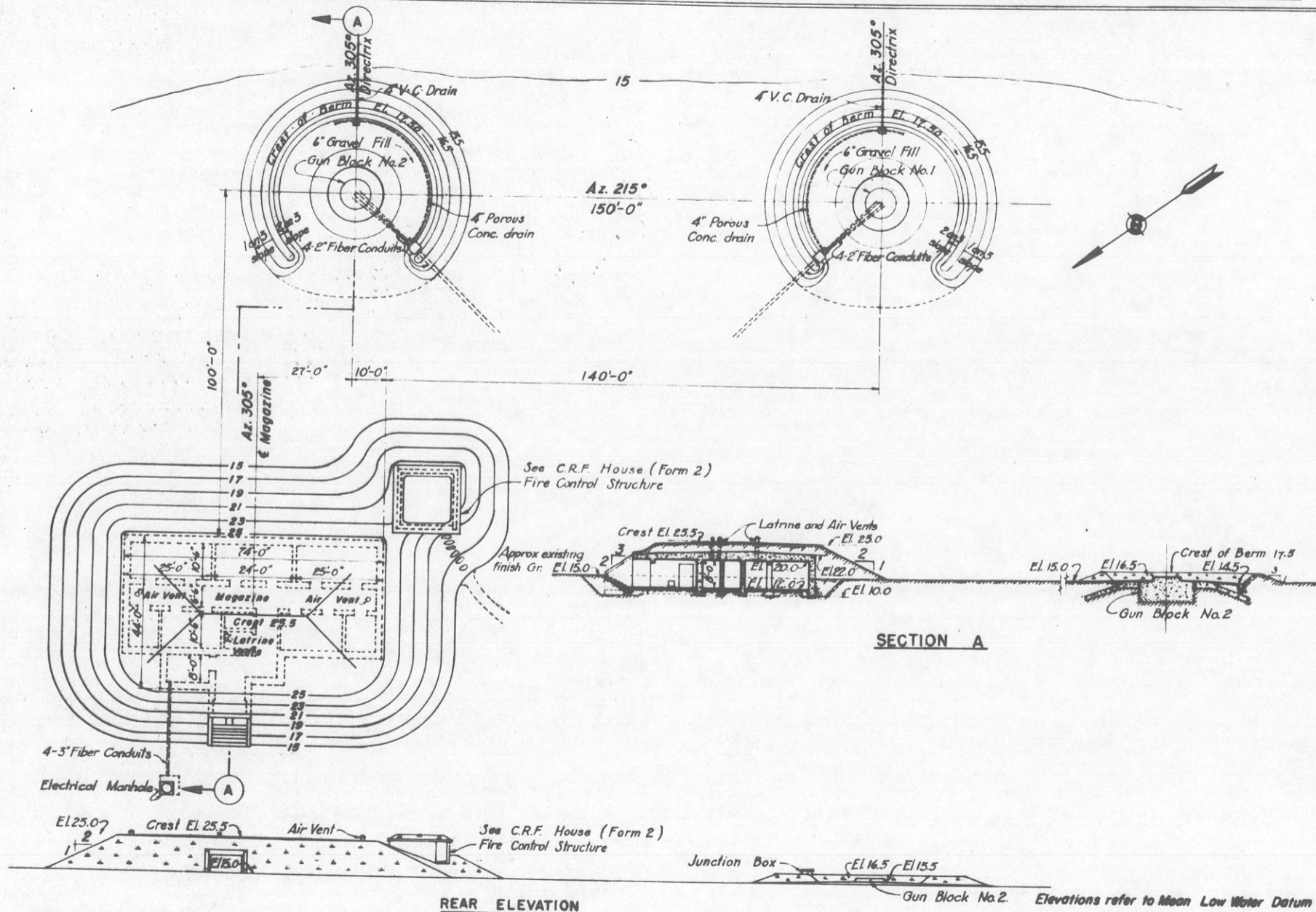
HARBOR DEFENSES OF NARRAGANSETT BAY
BOSTON NECK, R.I.
BATTERY HOUSE

FORM 7

CORRECTED TO NOVEMBER 1942

No. of guns — 2, Caliber — 6" R.F., Carriage — Barbette

20' 0' 20' 40' 60' 80' 100' 120' 140'



Elevations refer to Mean Low Water Datum

600,914 (1st S.C.) CM 74119
REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATION
 (FIRE CONTROL OR SUBMARINE MINE STRUCTURES)

HARBOR DEFENSES OF NARRAGANSETT BAY
FORT VARNUM, BOSTON NECK, R. I.
STRUCTURE 1-F (Battery House 15' CRF)
BL- CRF House

Part II Corrected to NOVEMBER 1943

STRUCTURE: To be determined by USC & CS x
 Location (by coordinates) y
 Location (by site description) Battery House
 Date of transfer August 1942
 Cost to that date \$ 2,140
 Type (for observing stat.--tower, dug-in, cottage, etc.) Manhole type (modified)
 Type of construction Concrete
 (a) Roof Concrete - earth cover
 (b) Remainder of bldg. Concrete
 How concealed Earth cover
 How protected " "
 Height above concealment Not applicable
 Height above protection " "
 Conspicuous at _____ yards " "

UTILITIES:

Electric Power Commercial & Auxiliary
 Source of Connected with Tactical Power
 Characteristics: Voltage 110 Ac or DC / Phase Single
 Kilowatts required 0.4
 Type of lighting fixtures Condulet Vaportight
 Heat
 How heated None
 Water Sewer
 Connected to water mains No
 Connected to sewer No
 Type latrine None

REFERENCE:

DATUM IS MEAN LOW WATER
 Reference of site 20.0 above Mean Low Water
 Reference of instrument axis 21.29 above Mean Low Water
 where (Type and Capacity of Crane Not applicable)
 applicable (Max. dia. of reel handled " ")

*Superseded - See
 Form II corrected to Jan 44*

INSTRUMENTS & EQUIPMENT:

Type of observing inst. 15' CRF
 Type of plotting board None

DATA TRANSMISSION:

Type Telephone
 Date of transfer (by Signal Corps)

TIDE STATION:

Give description of tide gauge ---

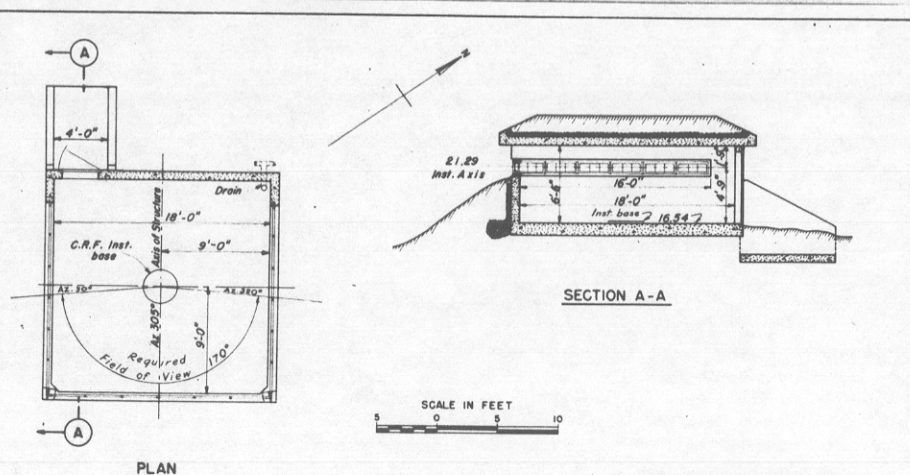
DATUM POINTS:

Give Forts from which visible ---

QUARTERS:

Give stations served ---

applicable)



FIRE CONTROL STRUCTURE 1-F
 15' C.R.F. STATION (BATTERY HOUSE)
 BOSTON NECK, R. I.
 HARBOR DEFENSES OF NARRAGANSETT BAY

ED Form A-162B
 16 Sept. 1943.

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(FIRE CONTROL OR SUBMARINE MINE STRUCTURES)

HARBOR DEFENSES OF NARRAGANSETT BAY
FORT VARNUM, BOSTON NECK, R. I.
STRUCTURE 1-F (Battery House 15' CRF)

Part II Corrected to JANUARY 1944

STRUCTURE: To be determined by USC & GS x
Location (by coordinates) y
Location (by site description) Battery House
Date of transfer August 1942
Cost to that date \$ 2,140
Type (for observing stat.--tower, dug-in, cottage, etc.) Manhole type (modified)
Type of construction Concrete
(a) Roof Concrete - earth cover
(b) Remainder of bldg. Concrete
How concealed Earth cover
How protected Reinforced Concrete Splinterproof
Height above concealment 0
Height above protection 0
Conspicuous at yards Not Conspicuous

UTILITIES:

Electric Power Commercial & Auxiliary
Source of Connected with Tactical Power
Characteristics: Voltage 110 Ac or DC Phase Single
Kilowatts required 0.4
Type of lighting fixtures Condulet Vaportight
Heat
How heated None
Water Sewer
Connected to water mains No
Connected to sewer No
Type latrine None

REFERENCE:

DATUM IS MEAN LOW WATER
Reference of site 20.0±' above Mean Low Water
Reference of instrument axis 21.29' above Mean Low Water
where (Type and Capacity of Crane Not applicable)
applicable (Max. dia. of reel handled " ")

INSTRUMENTS & EQUIPMENT:

Type of observing inst. 15' CRF
Type of plotting board None

DATA TRANSMISSION:

Type Telephone
Date of transfer (by Signal Corps)

TIDE STATION:

Give description of tide gauge - - -

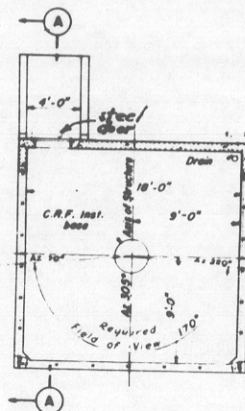
DATUM POINTS:

Give Forts from which visible - - -

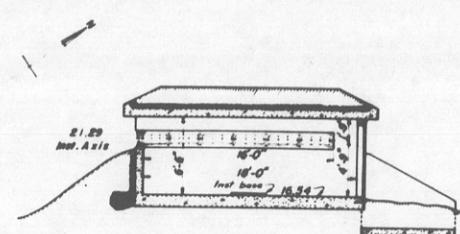
QUARTERS:

Give stations served - - -

(if applicable)



PLAN



SECTION A-A

SCALE IN FEET
0 5 10

FIRE CONTROL STRUCTURE 1-F
15' C.R.F. STATION (BATTERY HOUSE)
BOSTON NECK, R. I.
HARBOR DEFENSES OF NARRAGANSETT BAY

Form A-162B
16 Sept. 1943.

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(BATTERIES)

SPEKM-1

HARBOR DEFENSES OF Narragansett Bay

FORT Varnum, Rhode Island

BATTERY AMTB No. 921

NO. OF GUNS 2

CALIBER 90 mm

CARRIAGE Fixed

Part I

Corrected to

August 1944

GENERAL:

Battery commenced 1 April 1943

Battery completed 2 May 1943

Date of transfer 22 July 1943

Cost to date of transfer \$9,141

* Materials of construction Firing Platforms - Reinf.

Battery new or modernized New Conc.
(If modernized give detailed statement
on reverse side)

Trunnion elevation in btry. 17.92

Datum plane Mean Low Water

UTILITIES:

WATER SUPPLY

Source of None

Alternate source None

Size of Main -

SEWER

Connected to sewer No

Type of Disposal None

Type of Latrine None

UTILITIES (Cont'd.)

ELECTRIC POWER

Sources of M-7 Generators

Procured & installed by (OCE or ORD) ORD

Characteristics: Voltage 110 Ac or DC Phase 1

No. of units and capacity 2 Portable 35 KVA

Max. K.W. required for utilities 0

Max. K.W. required for non-battle conditions 0

Commercial power provided (yes or no) No Capacity -

Auxiliary power unit provided (yes or no) No Capacity -

Type of lighting fixtures None

Dehumidifying Unit.. Make and capacity Not applicable

Rooms Wet or Dry " "

How ventilated " "

How heated " "

DATA TRANSMISSION

Type Telephone

REMARKS

* Magazine and generator pits - wood and earth fill

ARMAMENT

Emplacement No.	Cal.	Length	Model	Guns		Manufacturer	Mounted	Type	Model	Carriages		Motor
				Serial No.						Serial No.	Manufacturer	
1	90 mm	186.15"	M 1	15339		Gen. Motors	1943	Fixed	M 3	171	Gen. Motors	#5334
2	90 mm	186.15"	M 1	15384		Gen. Motors	1943	Fixed	M 3	155	Gen. Motors	# -

SECRET

92-4882

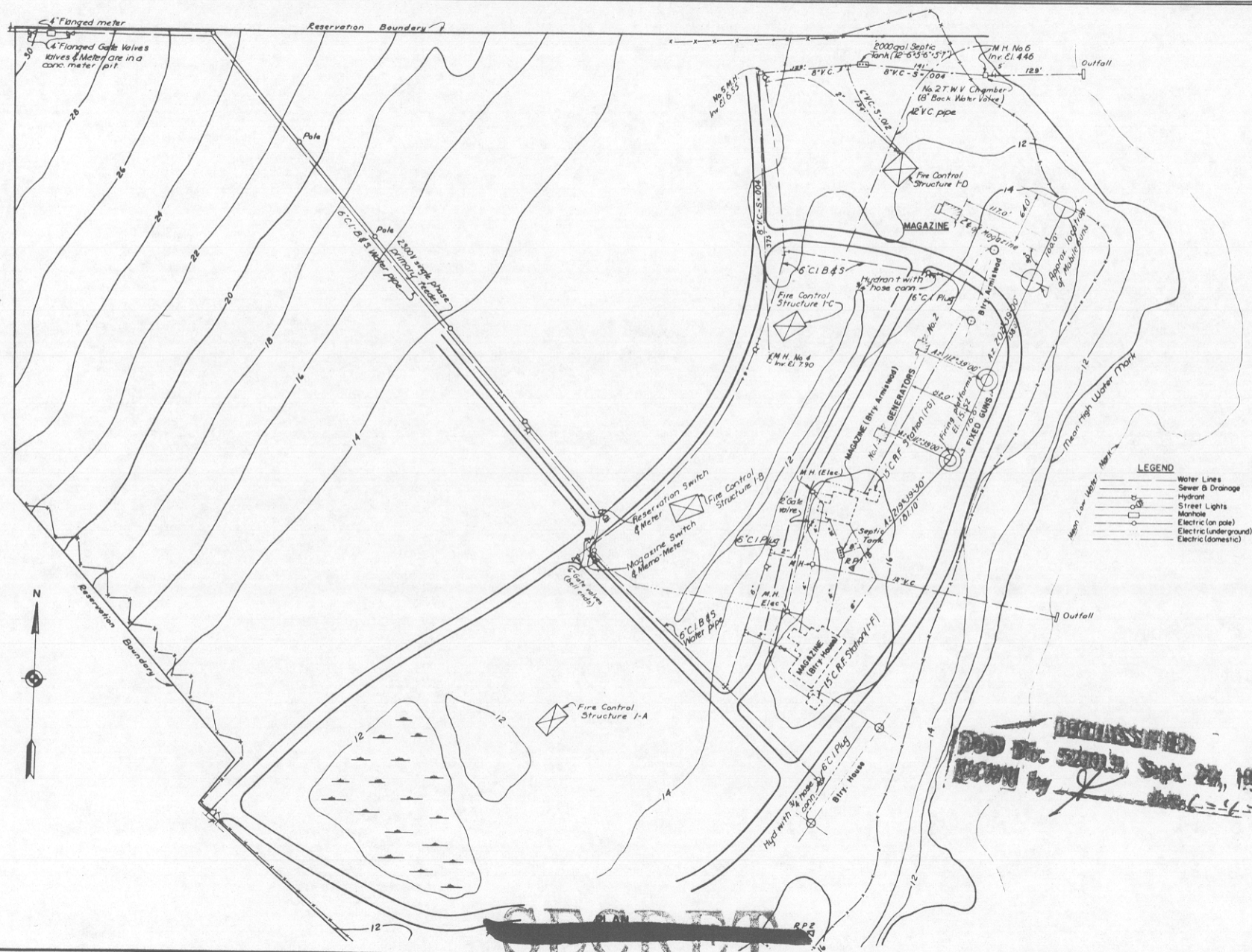
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FORM 7

CORRECTED TO SEPTEMBER 1944

SCALE IN FEET

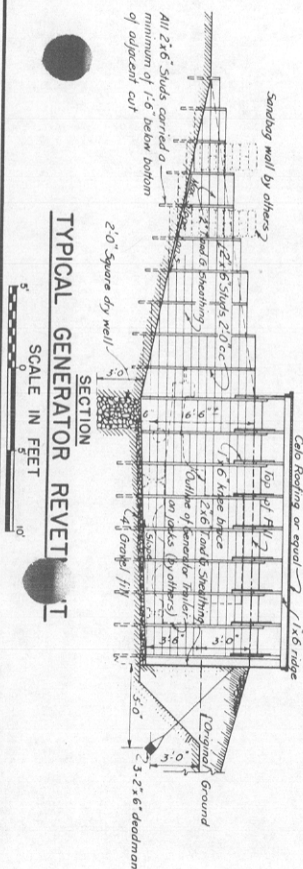
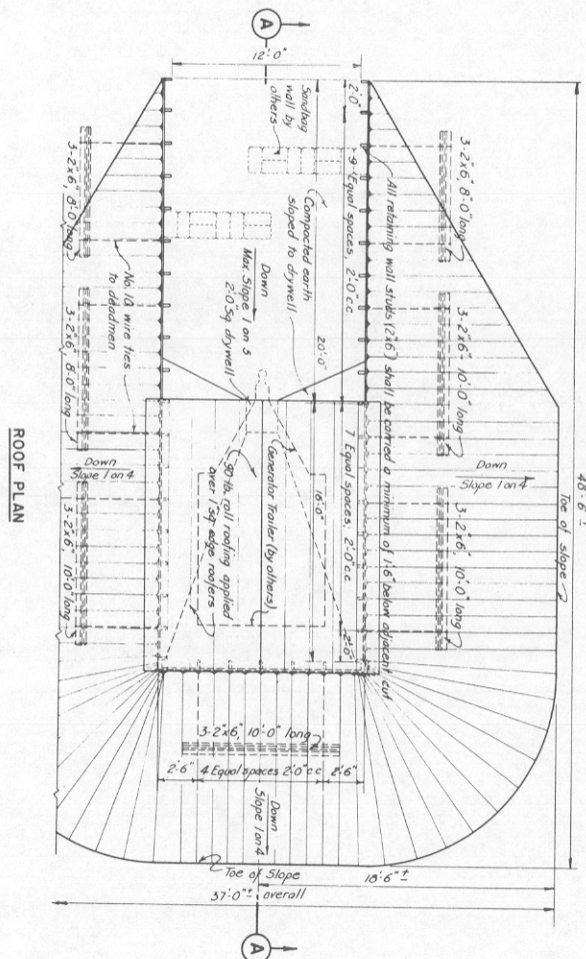
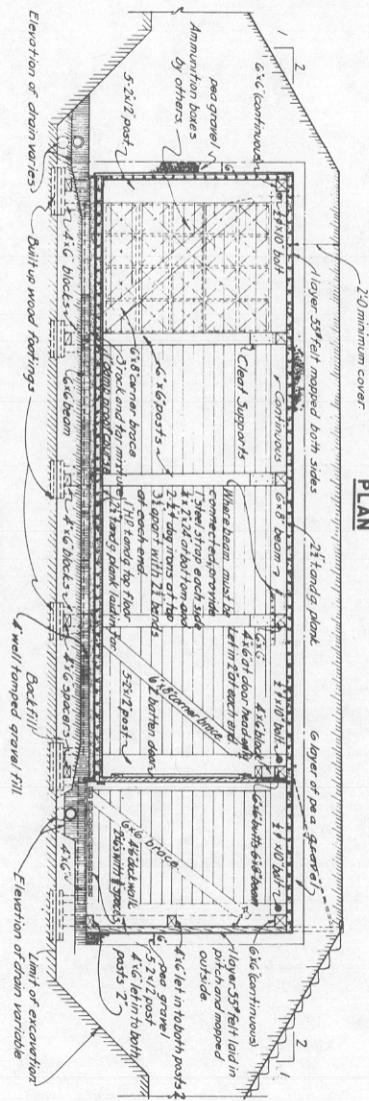
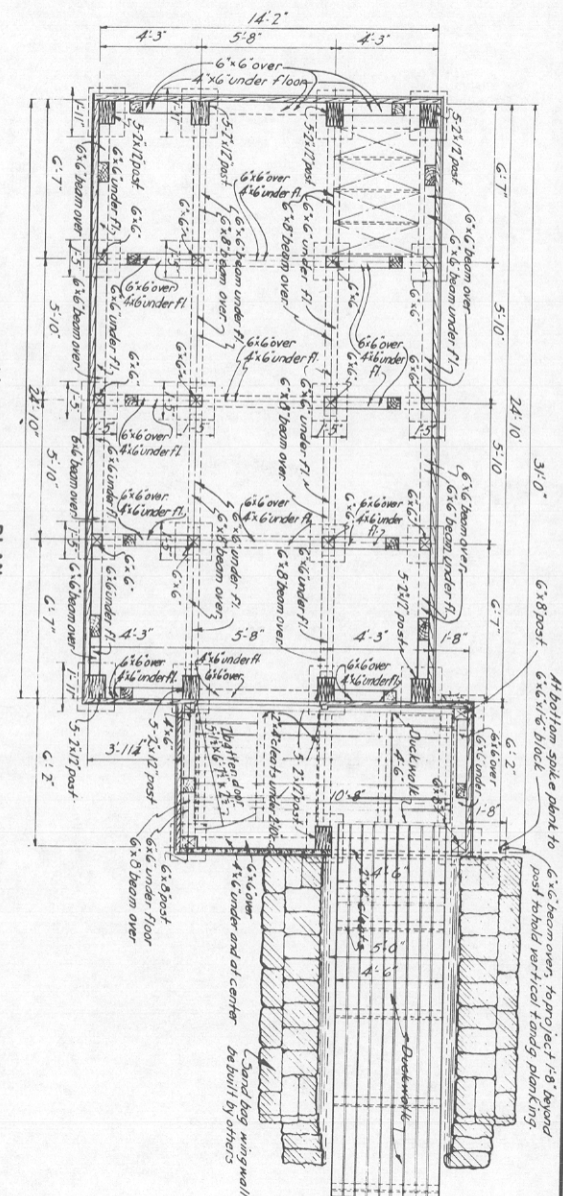
Sheet 1 of 3



DECLASSIFIED
 DOD FR. 52003, Sept. 24, 1966
 DOWN BY *[Signature]* 6-1-7

~~SECRET~~

CORRECTED TO SEPTEMBER 1944



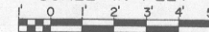
SECRET

SECRET

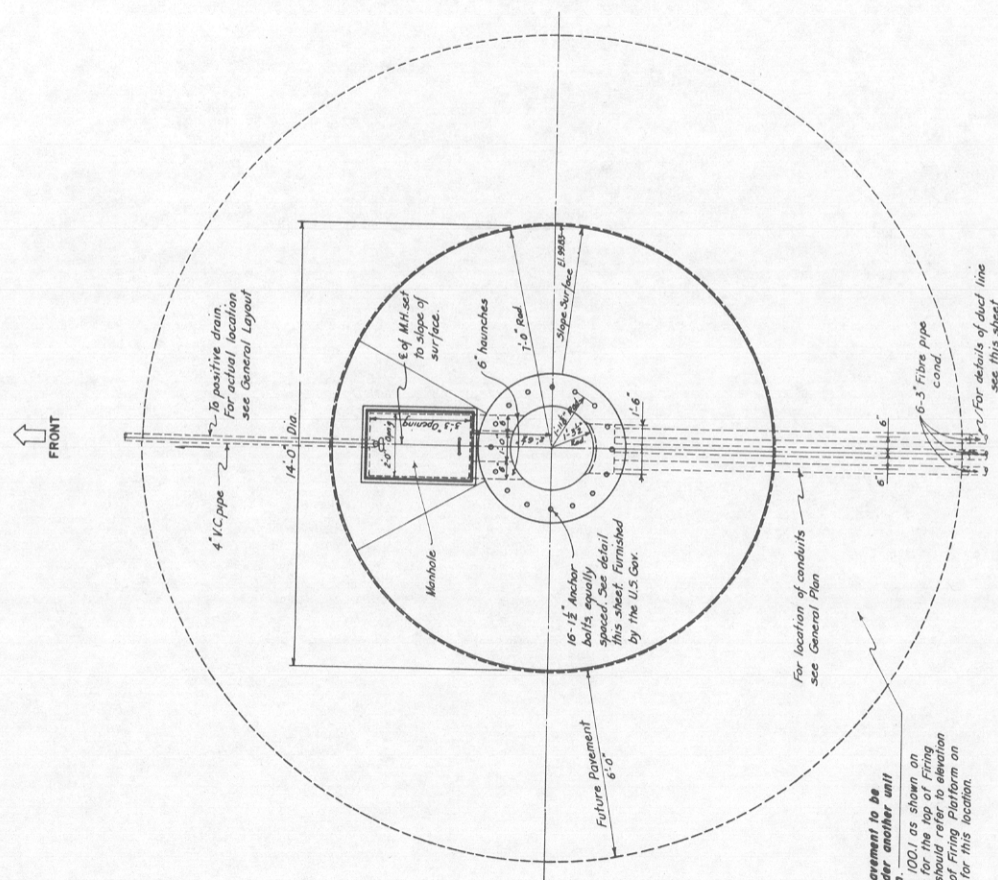
FORM 7

CORRECTED TO SEPTEMBER 1944

SCALE IN FEET:



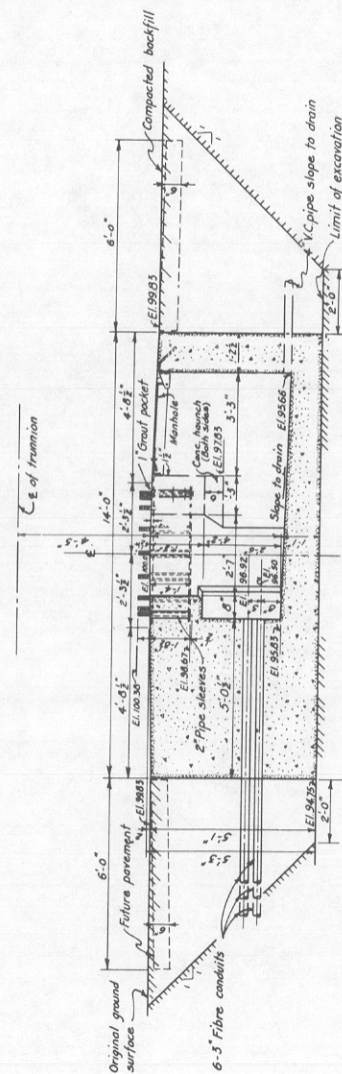
Sheet 3 of 3



NOTES:

Future pavement to be constructed under another unit of construction.

PLAN OF FIRING PLATFORM



GUN BLOCK

~~SECRET~~

Form 1 Corrected to December 1, 1942

GENERAL:		73030
Battery commenced	April 18, 1942	
Battery completed	July 15, 1942	
Date of transfer	August 29, 1942	
Cost to date of transfer	\$22,185	
Materials of construction	Concrete	
Type of cement	Class A	
WATER AND SEWER:		
Connected to water supply	Yes	
Connected to sewer	Yes	
Type of latrine	In Magazine	
Trunnion elevation in btry. #1= 18.83 : #2= 18.82		
Datum plane M.L.W.		

ARMAMENT

HOISTS

[illegible]

REPORT OF COMPLETED WORKS

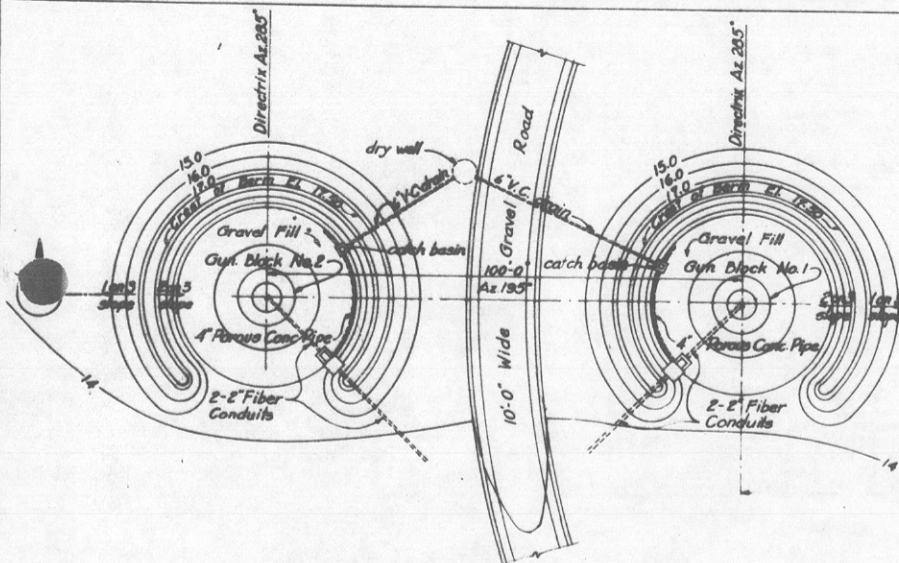
BATTERY PLAN

FORM 7

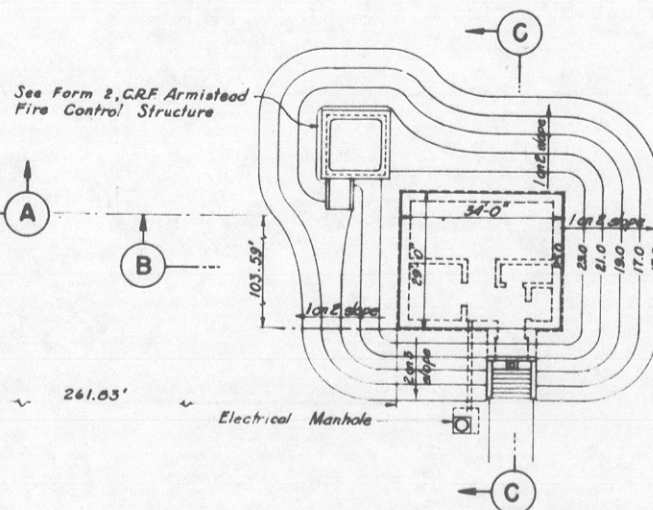
CORRECTED TO DECEMBER 1942

HARBOR DEFENSES OF NARRAGANSETT BOSTON NECK, R.I. BATTERY ARMISTEAD

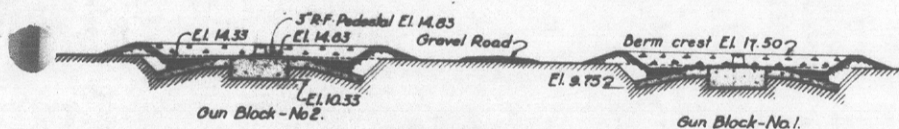
No. of guns — 2, Caliber — 3" R.F., Carriage — Barbette
20' 0' 20' 40' 60' 80' 100' 120'



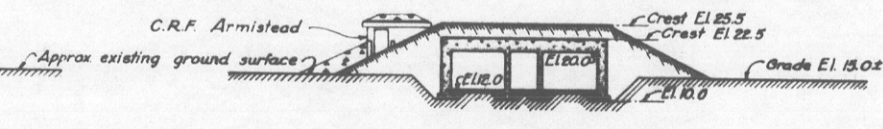
PLAN OF GUN BLOCKS



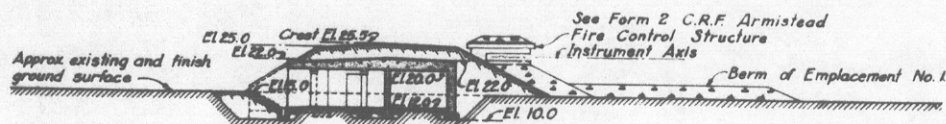
PLAN OF MAGAZINE



SECTION A



SECTION B



SECTION C

Elevations refer to Mean Low Water Datum

600,914 (125,0) L M 74119
REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATION
 (FIRE CONTROL OR SUBMARINE MINE STRUCTURES)

Part II Corrected to **DECEMBER 1943**

STRUCTURE: To be determined x
 by USC & GS y
 Location (by coordinates) y
 Location (by site description) Left side Btry Armistead
 Date of transfer August 1942
 Cost to that date \$2,140
 Type (for observing stat.--tower, dug-in, cottage, etc.) Manhole Type, modified with
 Type of construction wingwalls & door in wall
 (a) Roof Concrete, earth cover
 (b) Remainder of bldg. Concrete
 How concealed Earth cover
 How protected " "
 Height above concealment Not applicable
 Height above protection " "
 Conspicuous at yards Not conspicuous

UTILITIES:

Electric Power Commercial & Aux. Gas - Elec. Gen.
 Source of Narragansett Electric Co. & Aux. Generator
 Characteristics: Voltage 110 Ac or DC Phase Single
 Kilowatts required 0.4
 Type of lighting fixtures Condulet - Vaportight
 Heat
 How heated None
 Water Sewer
 Connected to water mains No
 Connected to sewer No
 Type latrine None

REFERENCE:

MEAN LOW WATER

Reference of site 20.04' above mean low water
 Reference of instrument axis 21.29' above mean low water
 where (Type and Capacity of Crane Not applicable
 applicable (Max. dia. of reel handled " ")

* Battery inactivated
*superseded - See
 Form II corrected to Jan 44*

Obsolete
HARBOR DEFENSES OF NARRAGANSETT BAY
FORT VARNUM (BOSTON NECK, R. I.)
 * **STRUCTURE BC & CRF BATTERY ARMISTEAD**
 (Structure 1-G)

INSTRUMENTS & EQUIPMENT:

Type of observing inst. 9' CRF
 Type of plotting board None

DATA TRANSMISSION:

Type Telephone
 Date of transfer (by Signal Corps)

TIDE STATION:

Give description of tide gauge - - -

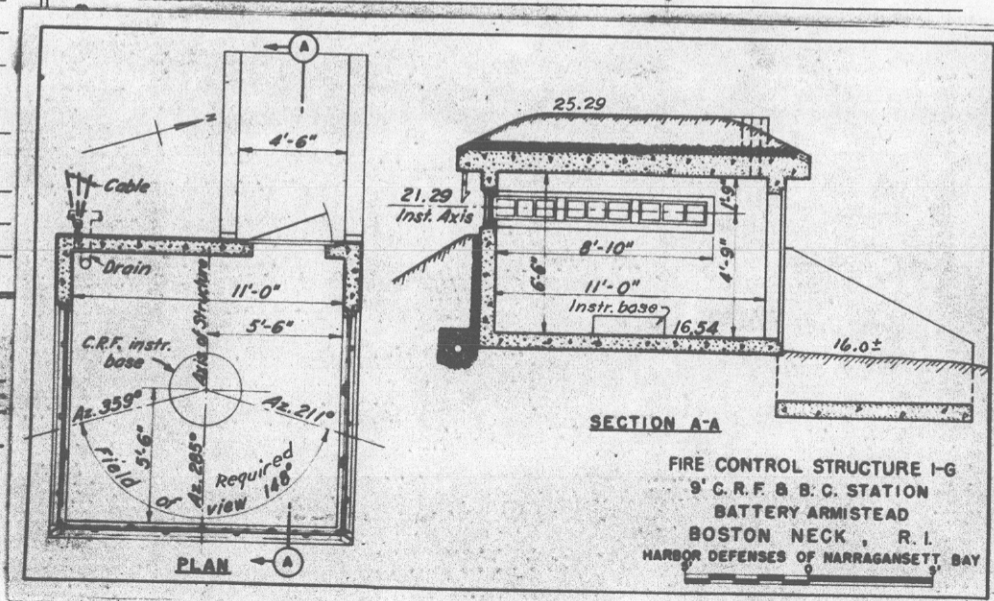
DATUM POINTS:

Give Forts from which visible - - -

QUARTERS:

Give stations served - - -

applicable)



REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(FIRE CONTROL OR SUBMARINE MINE STRUCTURES)

HARBOR DEFENSES OF NARRAGANSETT BAY
FORT VARNUM (BOSTON NECK, R. I.)
STRUCTURE BC & CRF BATTERY ARMISTEAD
(Structure 1-G)

Part II Corrected to JANUARY 1944

STRUCTURE: To be determined x
by USC & GS
Location (by coordinates) y
Location (by site description) Left side Btry Armistead
Date of transfer August 1942
Cost to that date \$2,110
Type (for observing stat.--tower, dug-in,
cottage, etc.) Manhole Type, modified with
Type of construction wingwalls & door in wall
(a) Roof Concrete, earth cover
(b) Remainder of bldg. Concrete
How concealed Earth cover
How protected Reinforced Concrete Splinterproof
Height above concealment 0
Height above protection 0
Conspicuous at yards Not conspicuous

UTILITIES:

Electric Power Commercial & Aux. Gas - Elec. Gen.
Source of Narragansett Electric Co. & Aux. Generator
Characteristics: Voltage 110 Ac or Dc Phase Single
Kilowatts required 0.4
Type of lighting fixtures Condulet - Vaportight
Heat
How heated None
Water Sewer
Connected to water mains No
Connected to sewer No
Type latrine None

REFERENCE:

MEAN LOW WATER

Reference of site 20.01' above mean low water

Reference of instrument axis 21.29' above mean low water

where (Type and Capacity of Crane Not applicable
applicable (Max. dia. of reel handled " ")

Battery inactivated

INSTRUMENTS & EQUIPMENT:

Type of observing inst. 9' CRF
Type of plotting board None

DATA TRANSMISSION:

Type Telephone
Date of transfer (by Signal Corps)

TIDE STATION:

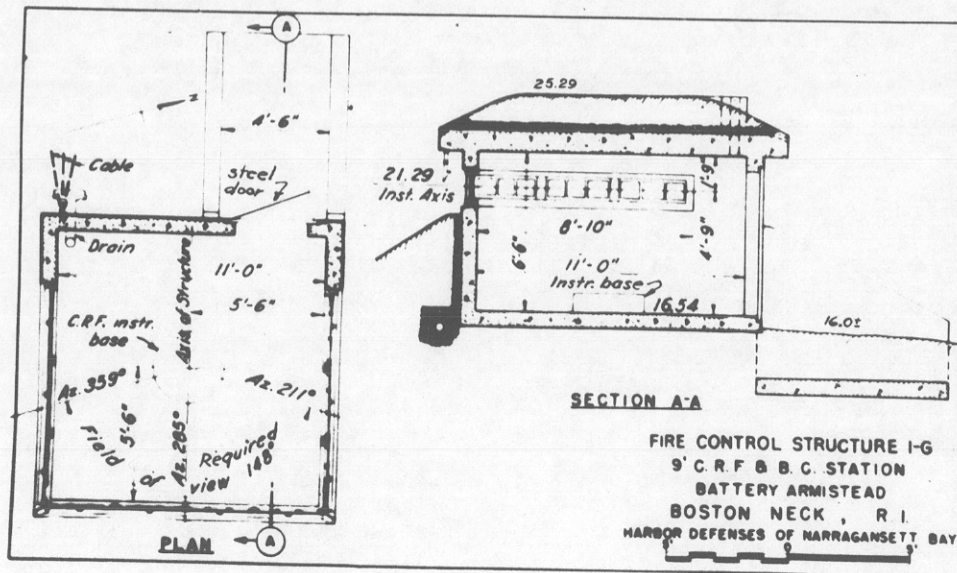
Give description of tide gauge ---

DATUM POINTS:

Give Forts from which visible ---

QUARTERS:

Give stations served ---



600,914 (Narr. Bay) CM 82445
REPORT ON COMPLETED WORKS - SEACOAST FORTIFICATION
 (FIRE CONTROL OR SUBMARINE MINE STRUCTURES)

Part II Corrected to JANUARY 1914

STRUCTURE: To be determined by USC & GS
 Location (by coordinates) y
 Location (by site description) North of Btry. House Ft. Varnum
 Date of transfer July 1913
 Cost to that date \$ 17,650
 Type (for observing stat.--tower, dug-in, cottage, etc.) Cottage
 Type of construction Reinf. Concrete & Wood frame trim
 (a) Roof Wood frame over Reinforced Concrete
 (b) Remainder of bldg. Reinforced Concrete & Wood frame
 How concealed Simulated Cottage
 How protected Reinforced concrete splinterproof
 Height above concealment 0
 Height above protection 0
 Conspicuous at yards Not conspicuous

UTILITIES:

Electric Power Commercial & Auxiliary M6 Generator
 Source of Narragansett El. Co. & 2.5 KW gas/el. unit
 Characteristics: Voltage 110 Ac or ~~DC~~ Phase Single
 Kilowatts required 0.8
 Type of lighting fixtures Standard Commercial type
 Heat Living quarters - Space Heaters (coal)
 How heated F.C. Stations - Florence oil heaters
 Water Sewer
 Connected to water mains No
 Connected to sewer No
 Type latrine No

REFERENCE:

DATUM IS MEAN LOW WATER
 Reference of site 1500' above Mean Low Water
 Reference of instrument axis 11.0 (upper) 32.0 (lower)
 where (Type and Capacity of Crane None)
 applicable (Max. dia. of reel handled None)

HARBOR DEFENSES OF NARRAGANSETT BAY
 FORT VARNUM BOSTON NECK, R. I.
 STRUCTURE 1-A (B³S³) (B³S³) (B³S³)

B³S³ #109 - B³S³ #213 - G₂

INSTRUMENTS & EQUIPMENT:

Type of observing inst. Azimuth
 Type of plotting board None

DATA TRANSMISSION:

Type Telephone
 Date of transfer (by Signal Corps)

TIDE STATION:

Give description of tide gauge - - -

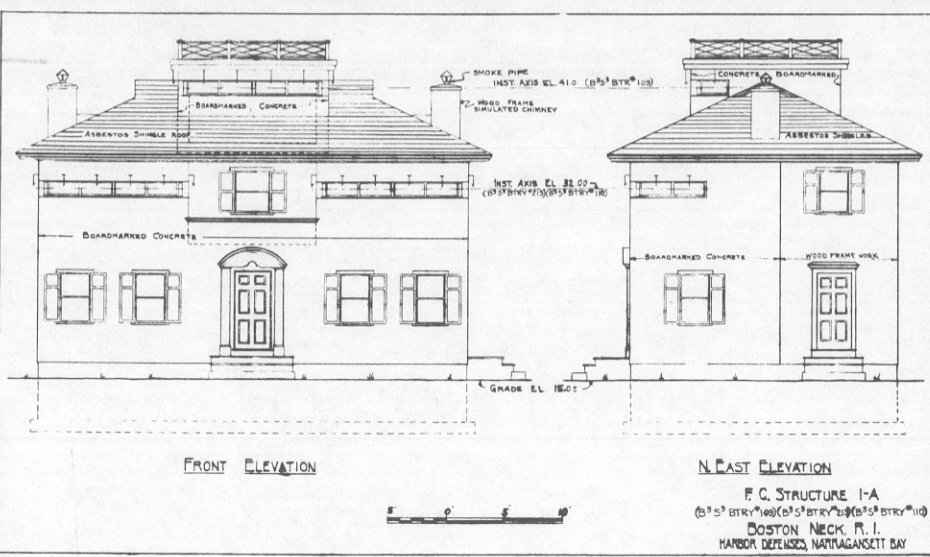
DATUM POINTS:

Give Forts from which visible - - -

QUARTERS:

Give stations served - - -

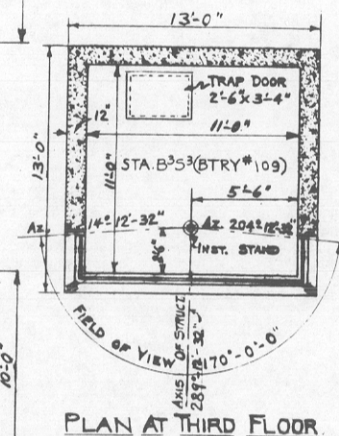
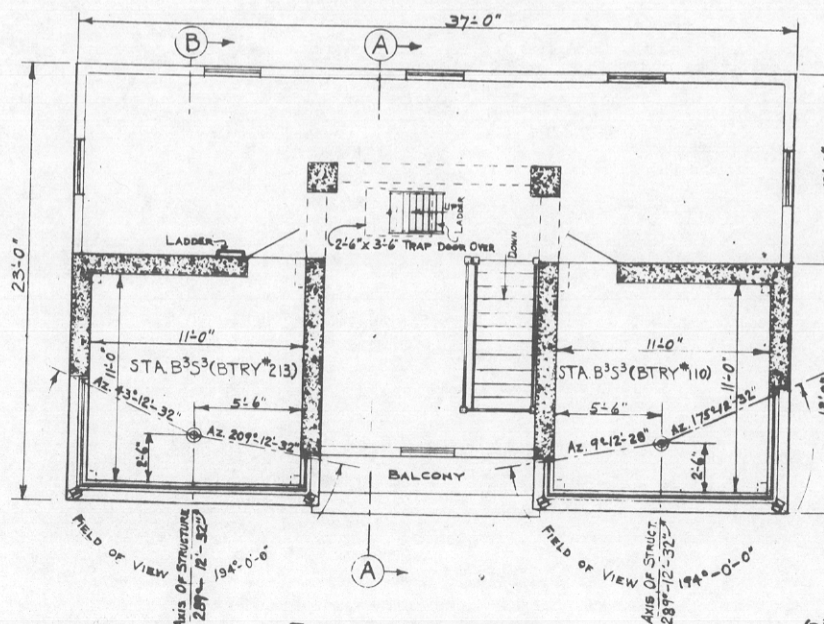
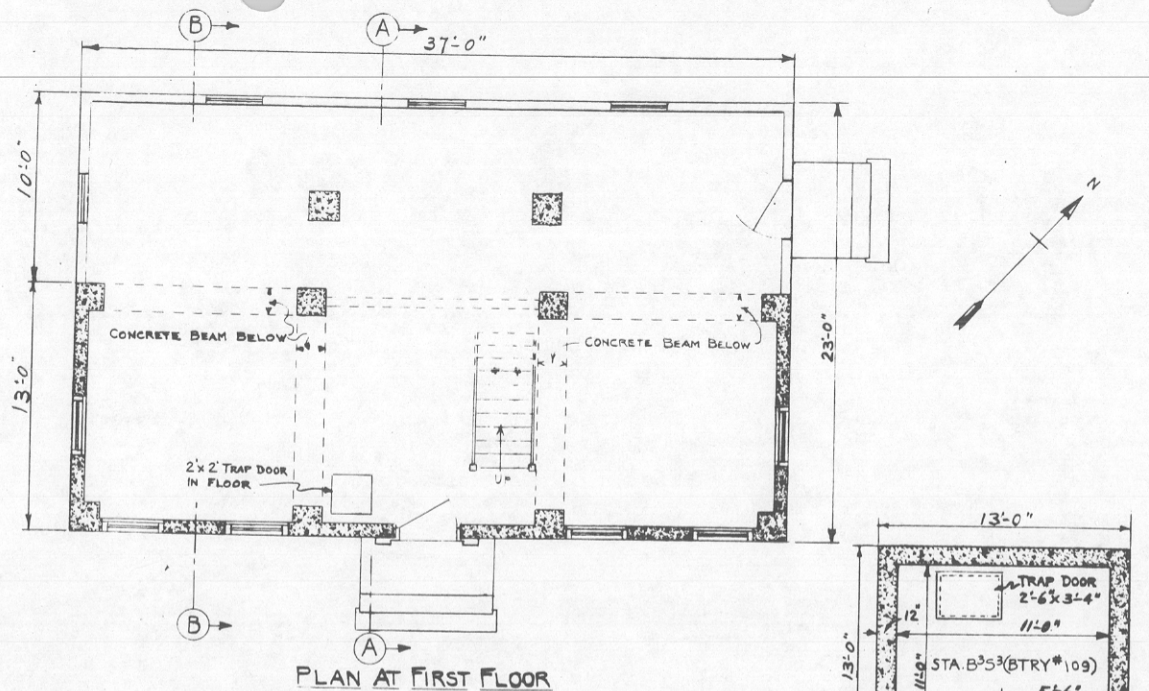
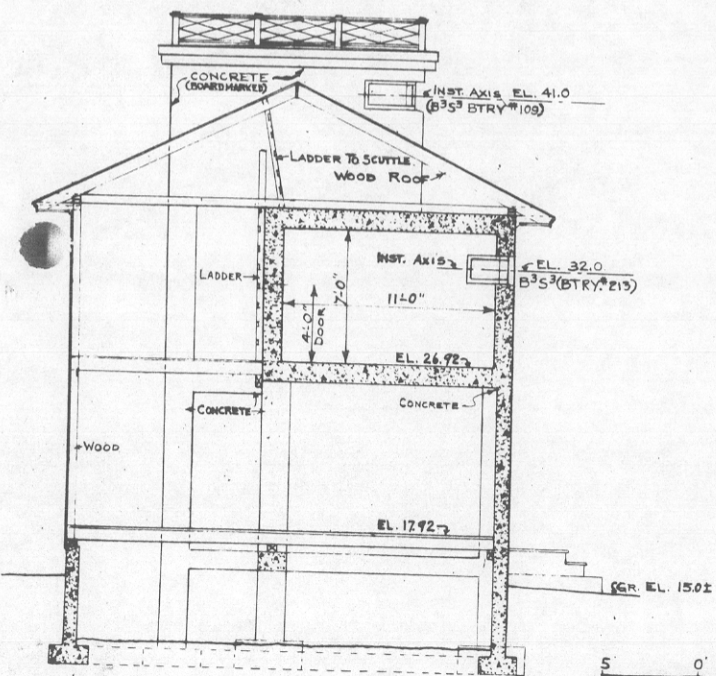
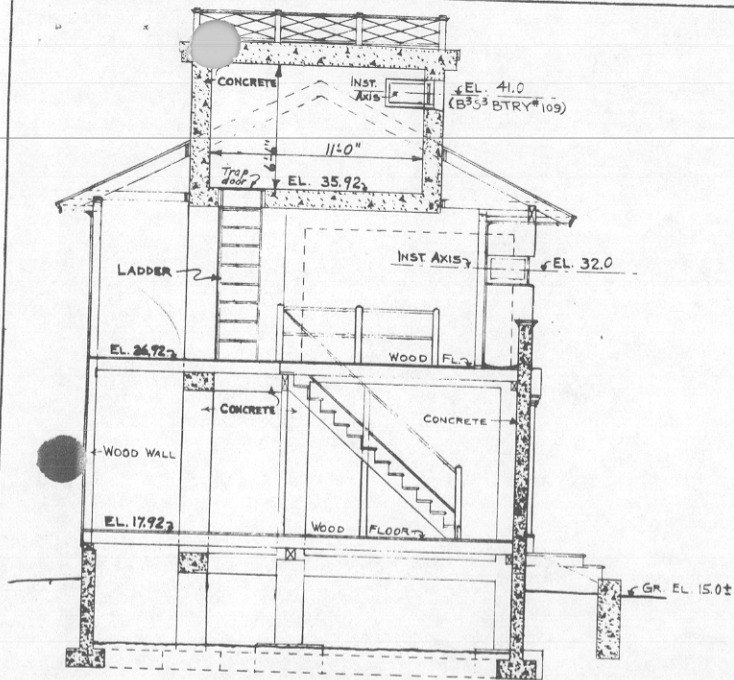
(e applicable)



FRONT ELEVATION

N. EAST ELEVATION

F.C. STRUCTURE 1-A
 (B³S³ BTRY #109) (B³S³ BTRY #213) (B³S³ BTRY #109)
 BOSTON NECK, R. I.
 HARBOR DEFENSES, NARRAGANSETT BAY



F. C. STRUCTURE 1-A
(B³S³ BTRY*109)(B³S³ BTRY*213)(B³S³ BTRY*110)
BOSTON NECK, R.I.
HARBOR DEFENSES, NARRAGANSETT BAY

600,914 (1st S.C.) CM 74119
REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
 (FIRE CONTROL OR SUBMARINE MINE STRUCTURES)

HARBOR DEFENSES OF NARRAGANSETT BAY
 FORT VARNUM, BOSTON NECK, R. I. 66
 STRUCTURE B.S. (Btry #211) & B.S. (Btry #108)
Structure # 1B

Part II

Corrected to DECEMBER 1943

STRUCTURE: To be determined x
by USO & OS
 Location (by coordinates) y
 Location (by site description) Near Btry House & Armistead
 Date of transfer August 1942
 Cost to that date \$9,825
 Type (for observing stat.--tower, dug-in, cottage, etc.) Cottage
 Type of construction Concrete & Wood Frame
 (a) Roof Wood Frame and Asbestos Shingles
 (b) Remainder of bldg. Concrete & Wood Frame
 How concealed Simulated Cottage
 How protected Not Applicable
 Height above concealment " "
 Height above protection " "
 Conspicuous at yards " "

UTILITIES:

Electric Power Commercial (Narragansett El. Co.) & aux.
 Source of supply from 2.5 k.w. Generator
 Characteristics: Voltage 110 Ac or DC Phase Single
 Kilowatts required 0.8
 Type of lighting fixtures Standard Commercial Type
 Heat "
 How heated Circulating Heaters (oil)
 Water Sewer "
 Connected to water mains No
 Connected to sewer No
 Type latrine None

REFERENCE:

DATUM IS MEAN LOW WATER
 Reference of site 14.0 above Mean Low Water
 Reference of instrument axis 33.0 above Mean Low Water
 where (Type and Capacity of Crane Not Applicable
 applicable (Max. dia. of reel handled ")

Superseded - See Form

II corrected to Jan 44 SHEET 1 of 2 SHEETS

INSTRUMENTS & EQUIPMENT:

Type of observing inst. Asimuth
 Type of plotting board None

DATA TRANSMISSION:

Type "
 Date of transfer (by Signal Corps)

TIDE STATION:

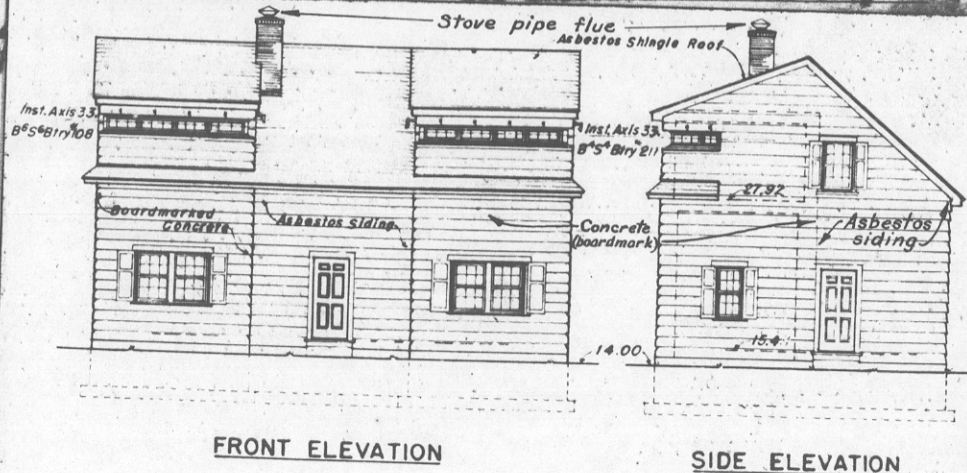
Give description of tide gauge " "

DATUM POINTS:

Give Forts from which visible " "

QUARTERS:

(Sleeping Quarters only)
 Give stations served for isolated Stations only



FRONT ELEVATION

SIDE ELEVATION

FIRE CONTROL STRUCTURE I-B

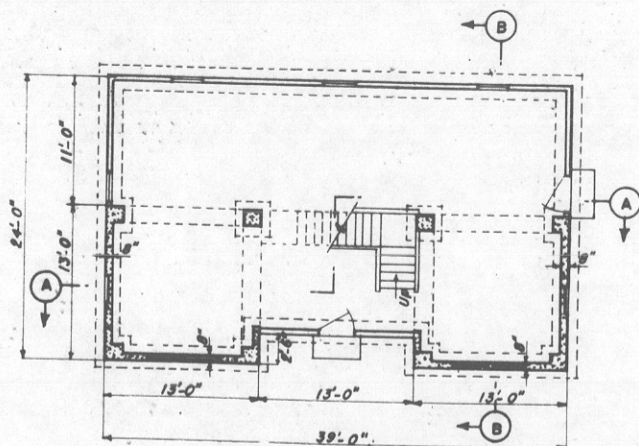
B.S. (Btry No. 211) & B.S. (Btry No. 108)

BOSTON NECK, R.I.

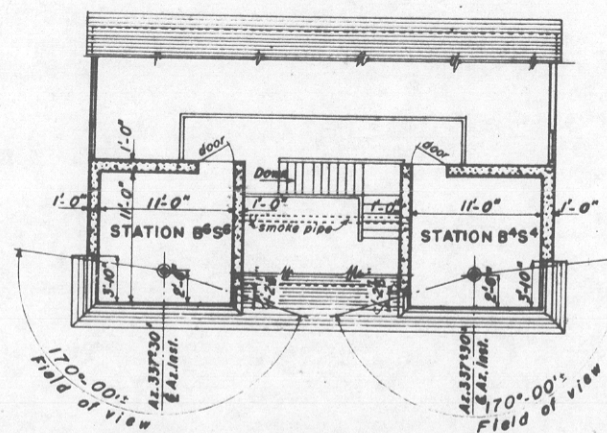
HARBOR DEFENSES OF NARRAGANSETT BAY

5 0 5 10 15 20

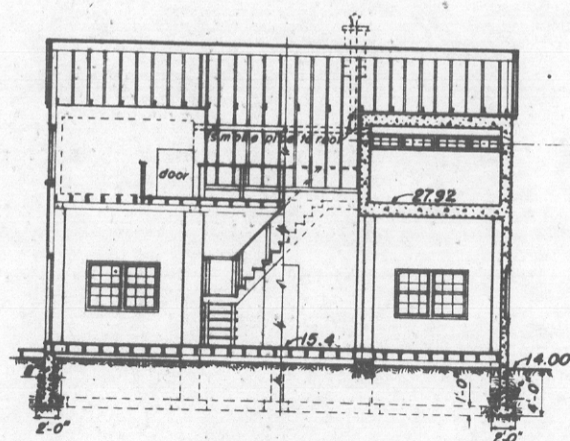
ED Form A-162B
 16 Sept. 1943.



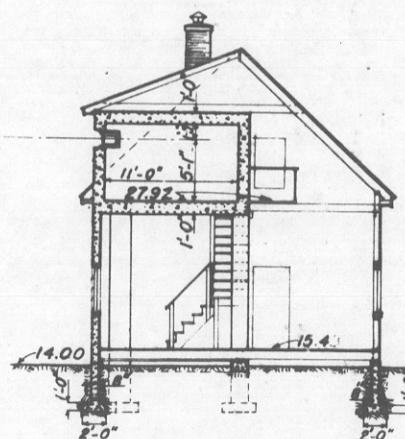
FIRST FLOOR PLAN



PLAN AT ELEVATION 33.0



SECTION - A



SECTION - B



SHEET 2 of 2 SHEETS

FIRE CONTROL STRUCTURE I-B

B+S (Btry No. 211) & B+S (Btry No. 108)

BOSTON NECK, R.I.

HARBOR DEFENSES OF NARRAGANSETT BAY

100,914 (Narr. Bay) CM 82445
REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATION
 (FIRE CONTROL OR SUBMARINE MINE STRUCTURES)

HARBOR DEFENSES OF NARRAGANSETT BAY

FORT VARNUM BOSTON NECK, R.I.

STRUCTURE 1-C (B³S³) (B²S²) (B²S²)

Part II

Corrected to DECEMBER 1943

B³S³ Gray
 B²S² #212
 B²S² Reilly (FTCHURCH)

STRUCTURE: To be determined by USC & GS x
 Location (by coordinates) y
 Location (by site description) 200 W. of Btry. Armistead
 Date of transfer December 1943 1942
 Cost to that date \$12,760
 Type (for observing stat.--tower, dug-in, cottage, etc.) Cottage
 Type of construction Concrete & wood trim
 (a) Roof Wood frame with asbestos shingles
 (b) Remainder of bldg. Concrete with wood trim.
 How concealed Simulated Cottage
 How protected Reinforced Concrete (Splinterproof)
 Height above concealment 0'
 Height above protection 0'
 Conspicuous at yards Not conspicuous

UTILITIES:

Electric Power Commercial & Auxiliary M6 Generator
 Source of Narra. Elec. Co. & 2.5 KW aux/el. unit
 Characteristics: Voltage 110 Ac or DC Phase Single
 Kilowatts required 1.0
 Type of lighting fixtures Standard Commercial Type
 Heat Living quarters Space Heaters (coal)
 How heated Sta. B³S³ Florence Oil Heater
 Water Sewer
 Connected to water mains No
 Connected to sewer No
 Type latrine None

REFERENCE:

DATUM IS MEAN LOW WATER
 Reference of site 17.0 above Mean Low Water
 Reference of instrument axis 30.0 (lower) 38.5 (upper)
 where (Type and Capacity of Crane None
 applicable (Max. dia. of reel handled None

INSTRUMENTS & EQUIPMENT:

Type of observing inst. Azimuth
 Type of plotting board None

DATA TRANSMISSION:

Type Telephone
 Date of transfer (by Signal Corps)

TIDE STATION:

Give description of tide gauge - - -

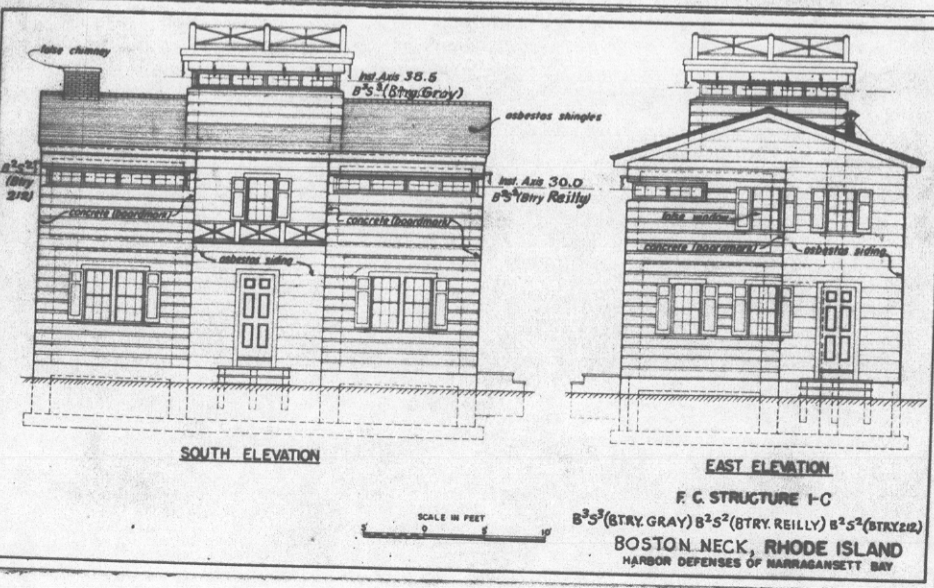
DATUM POINTS:

Give Forts from which visible - - -

QUARTERS:

Give stations served - - -

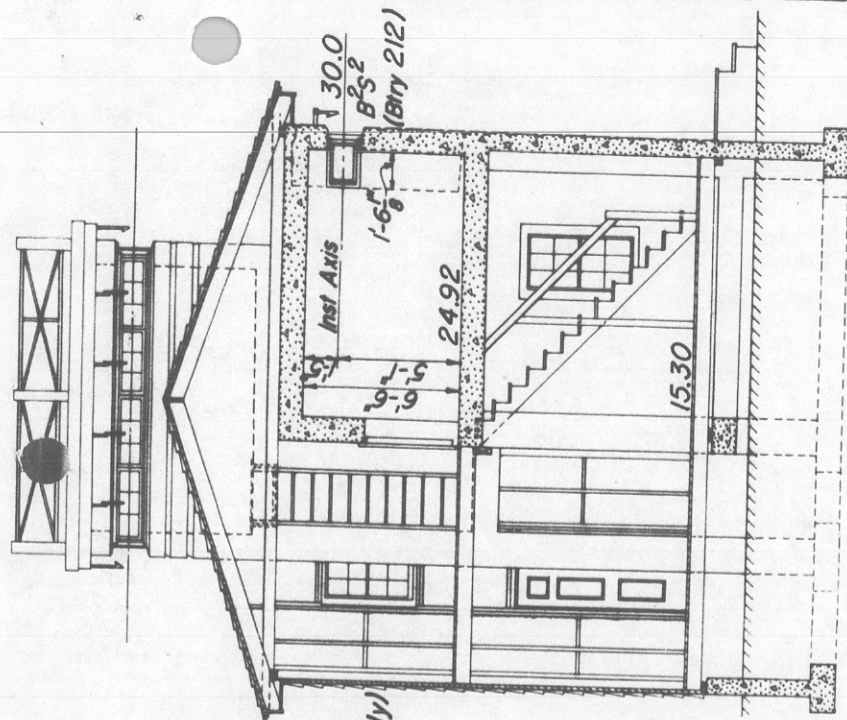
applicable)



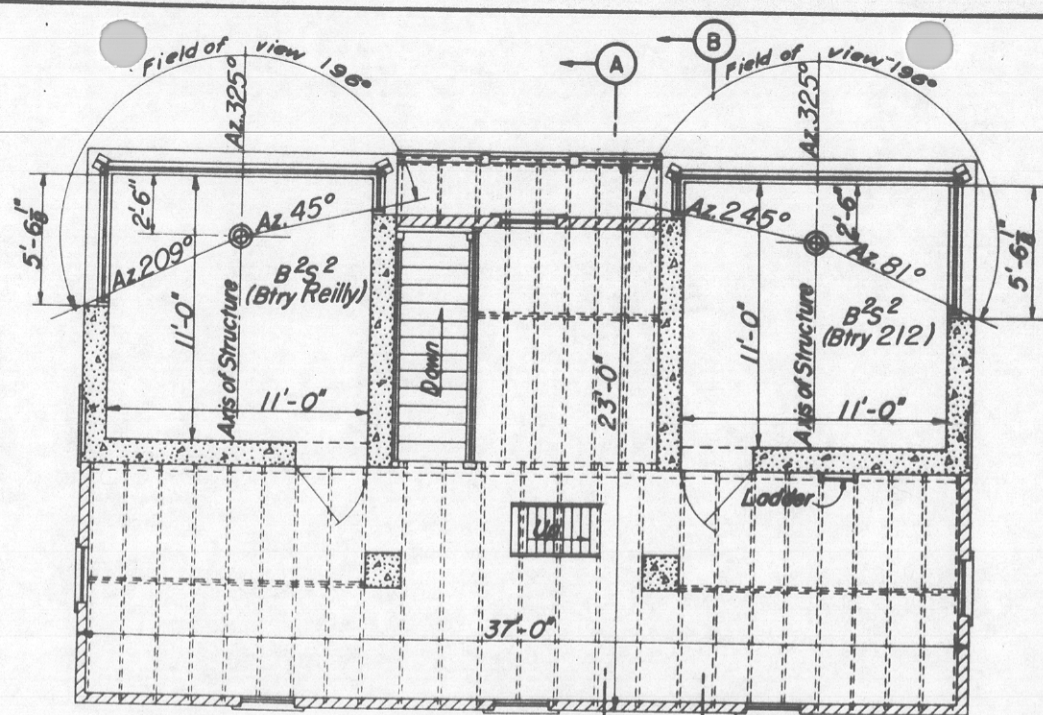
SHEET 1 of 2 SHEETS

Form A-162B
 16 Sept. 1943.

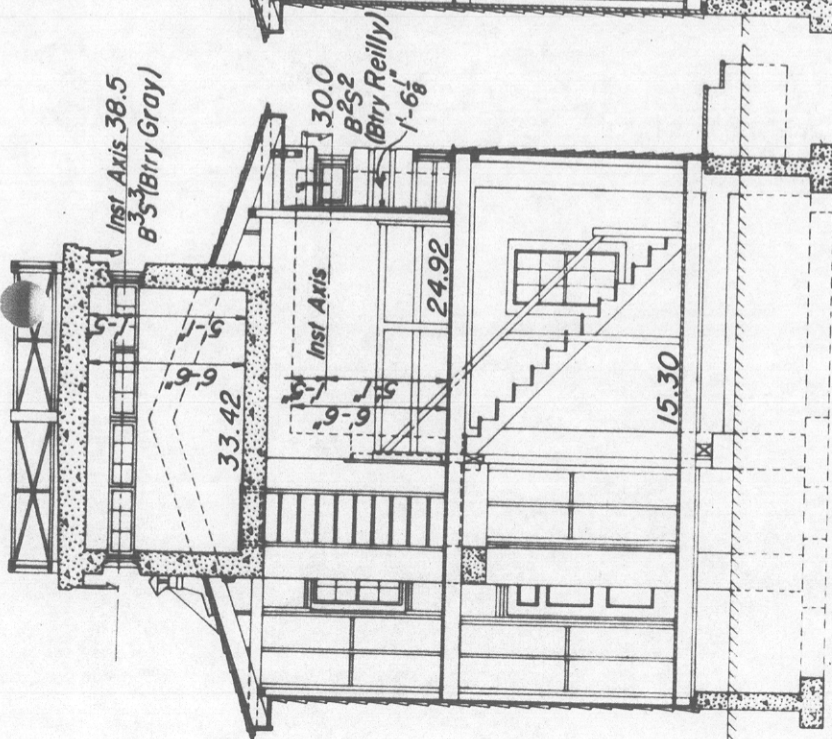
and Sept. 1941-42



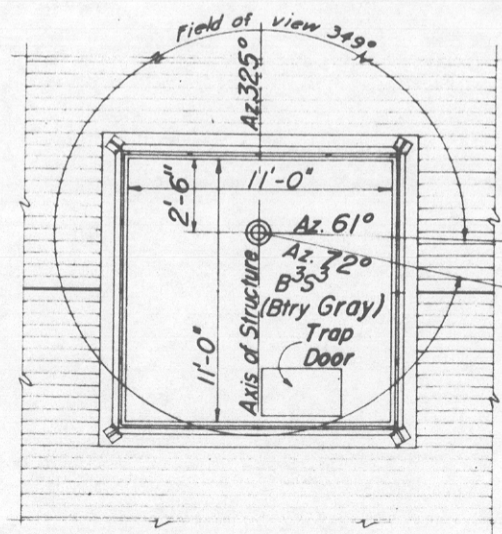
SECTION B



PLAN 1st.OBSERVATION LEVEL



SECTION A



PLAN 2nd.OBSERVATION LEVEL

