

FORT HANCOCK, SANDY HOOK, TWO EMPLACEMENTS FOR TWELVE-INCH B.L. RIFLES, Mounted on U.S. Disappearing Carriages, Model 1897.

DR. 45. S.F. 100. NO. 15.

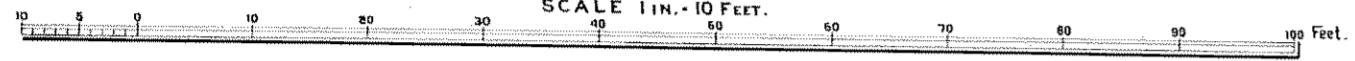
AT RIGHT FLANK OF BATTERY HALLECK.

DRAWN UNDER DIRECTION OF

MAJOR W.L. MARSHALL, CORPS OF ENGINEERS, U.S.A.,

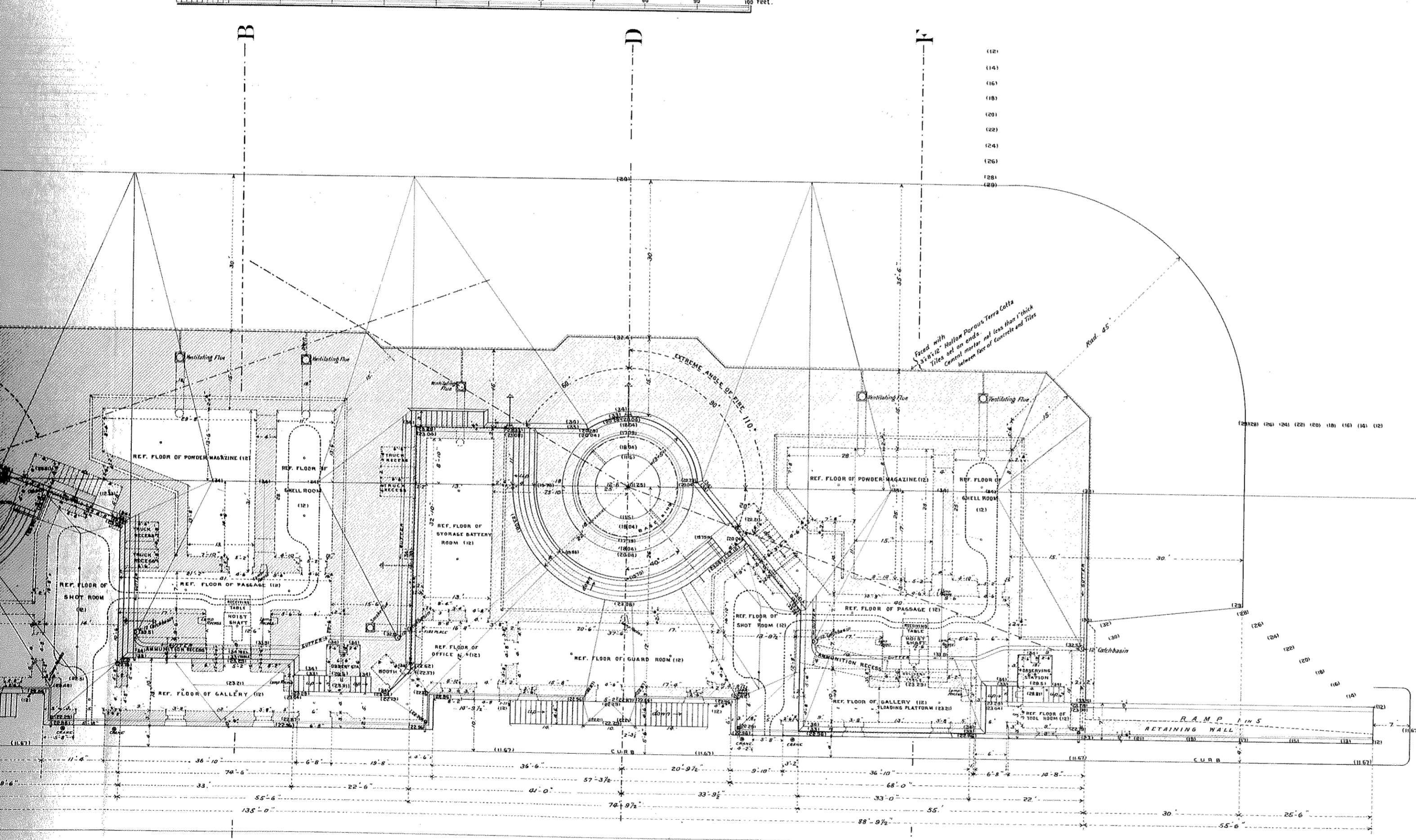
July 1901.

SCALE 1 IN. = 10 FEET.

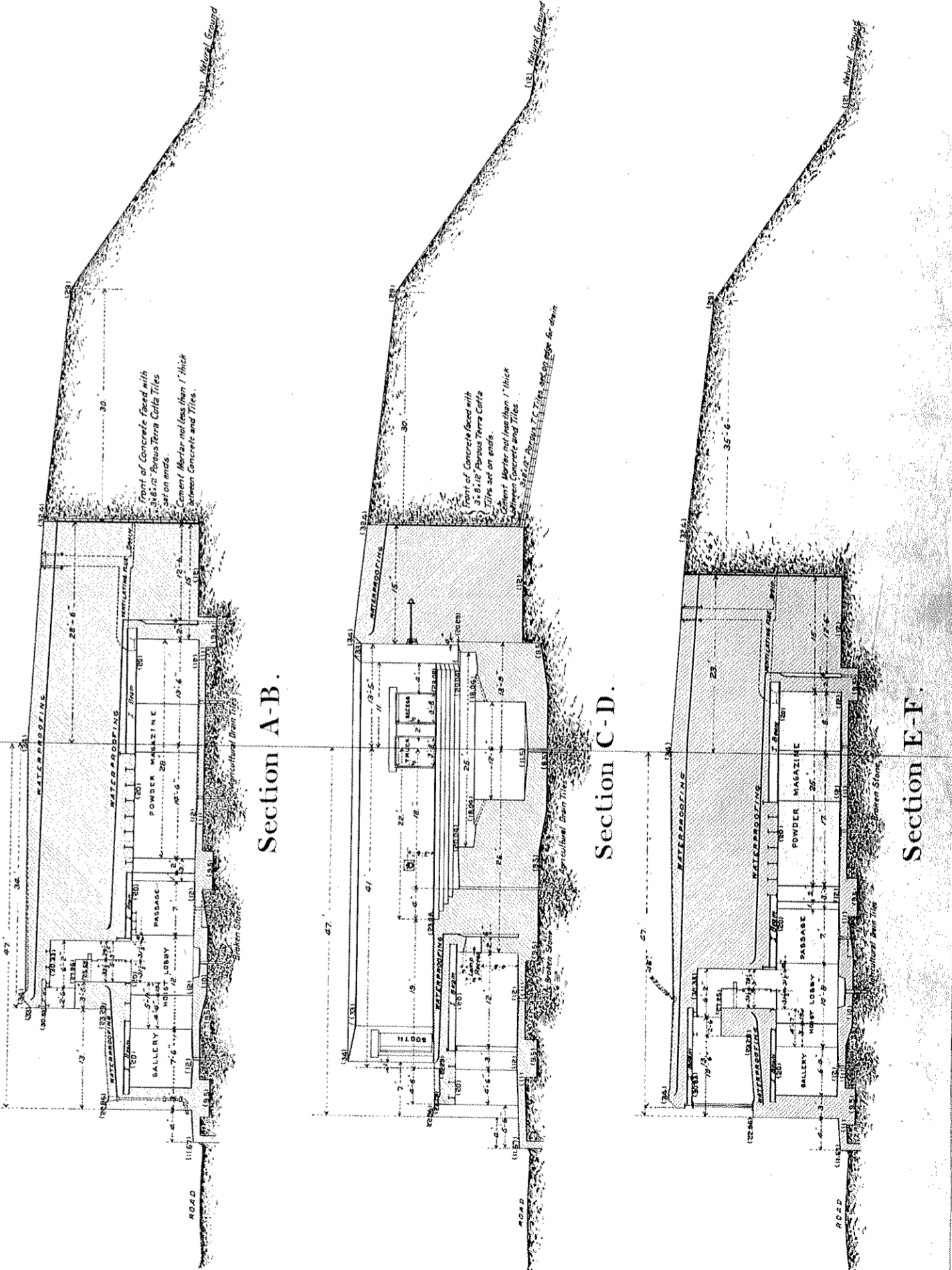


ENGINEER OFFICE, U.S. ARMY,
New York, N.Y., July 11, 1901.
Forwarded to the Chief of Engineers, U.S.A., with letter
of this date.

W.L. Marshall
Major, Corps of Engineers, U.S.A.



Plan and Horizontal Section,
Shaded area shows horizontal section of concrete at elevation (17).



NOTE.
All rooms are drained by blind drains which will lead into 4 inch porous drain tiles, set vertically, with open joints, into a conical mass of crushed stone extending at least 3 feet below bottom of concrete foundations. A layer of crushed stone one foot thick will be laid under the concrete flooring of all rooms.

1878E
24
1001
SUPERSEDED 3

FORT HANCOCK, SANDY HOOK,
TWO EMPLACEMENTS FOR TWELVE-INCH B.L. RIFLES,
Mounted on U.S. Disappearing Carriages, Model 1897.

DR. 45

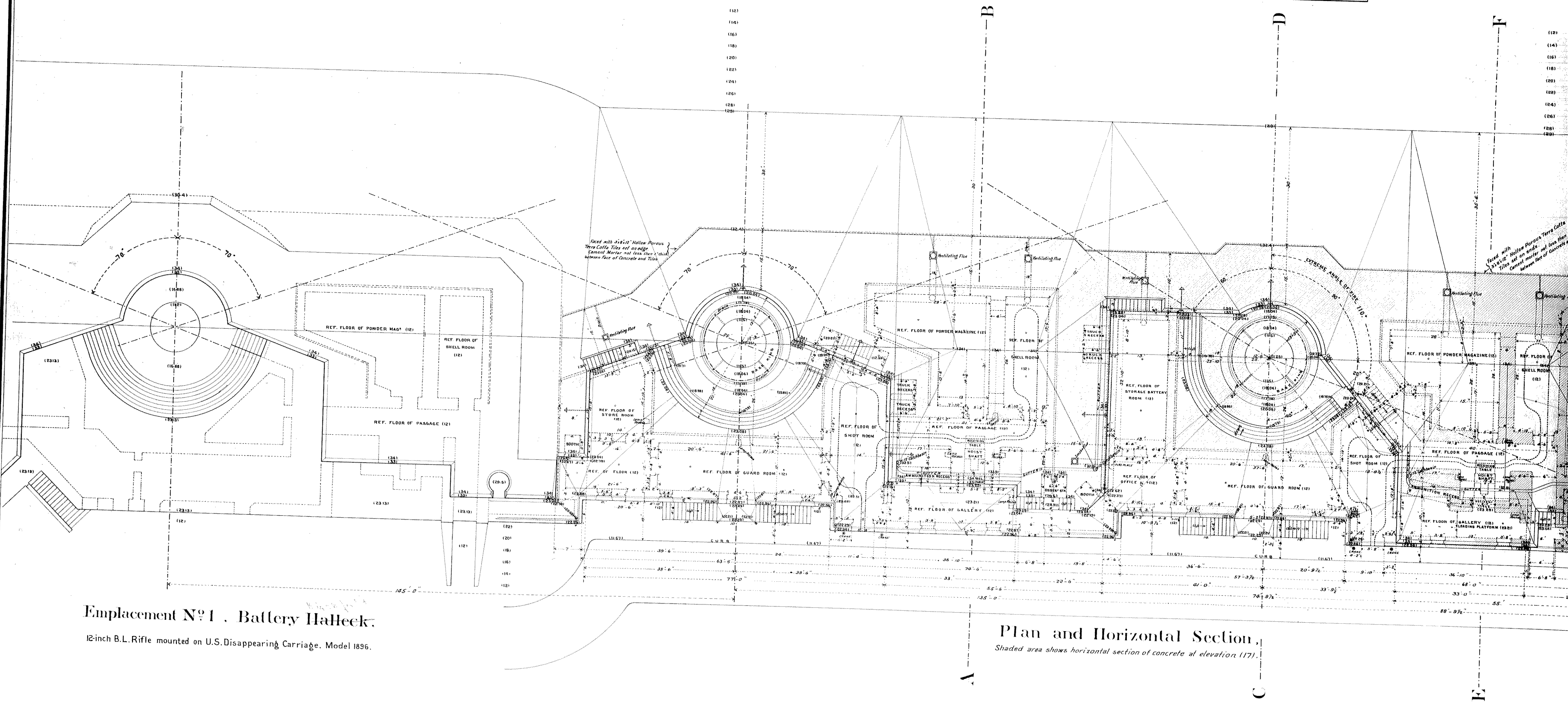
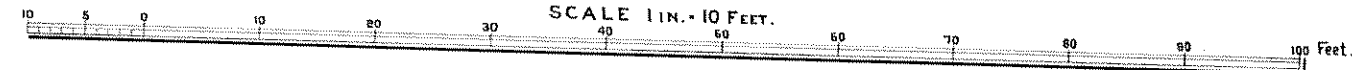
AT RIGHT FLANK OF BATTERY HALLECK,

DRAWN UNDER DIRECTION OF

MAJOR W.L. MARSHALL, CORPS OF ENGINEERS, U.S.A.,

July 1901.

SCALE 1 IN. = 10 FEET.



Emplacement No. 1, Battery Halleck.

12-inch B.L. Rifle mounted on U.S. Disappearing Carriage, Model 1896.

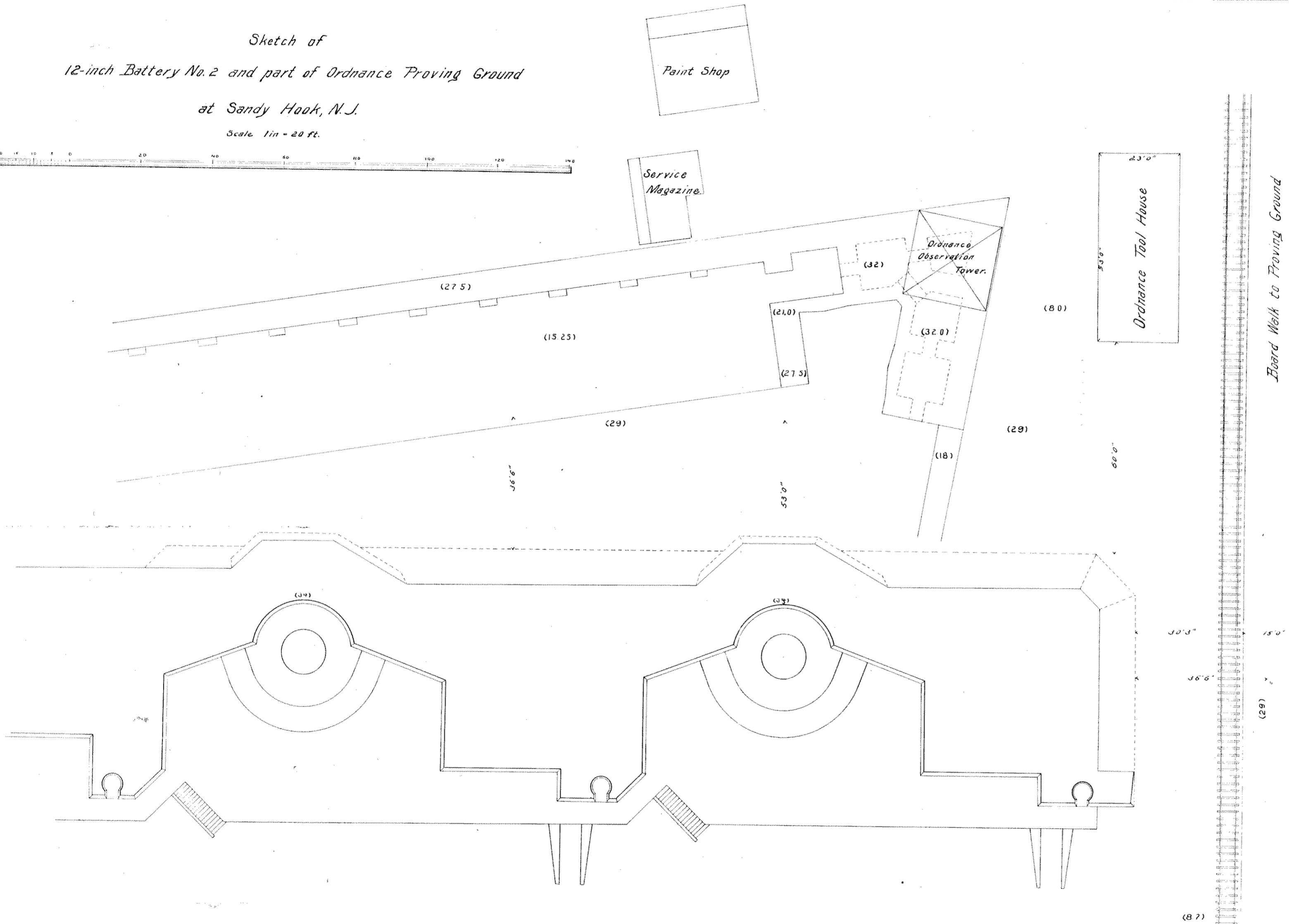
Plan and Horizontal Section

Shaded area shows horizontal section of concrete at elevation 117.

Sheet 2432 45-100-14

Sketch of
 12-inch Battery No. 2 and part of Ordnance Proving Ground
 at Sandy Hook, N.J.

Scale 1 in = 20 ft.



To accompany letter to the Chief of Engineers, U.S.A.
 dated New York, N.Y., April 24, 1899.

H. M. Adams
 Major, Corps of Engineers, U.S.A.

00.23564

BATTERY N^o 2. FORT HANCOCK.

FOR

GUNS MOUNTED ON U.S. DISAPPEARING CARRIAGES, MODEL 1896.

Located on Curtain of East Bastion, Old Fort.

AT

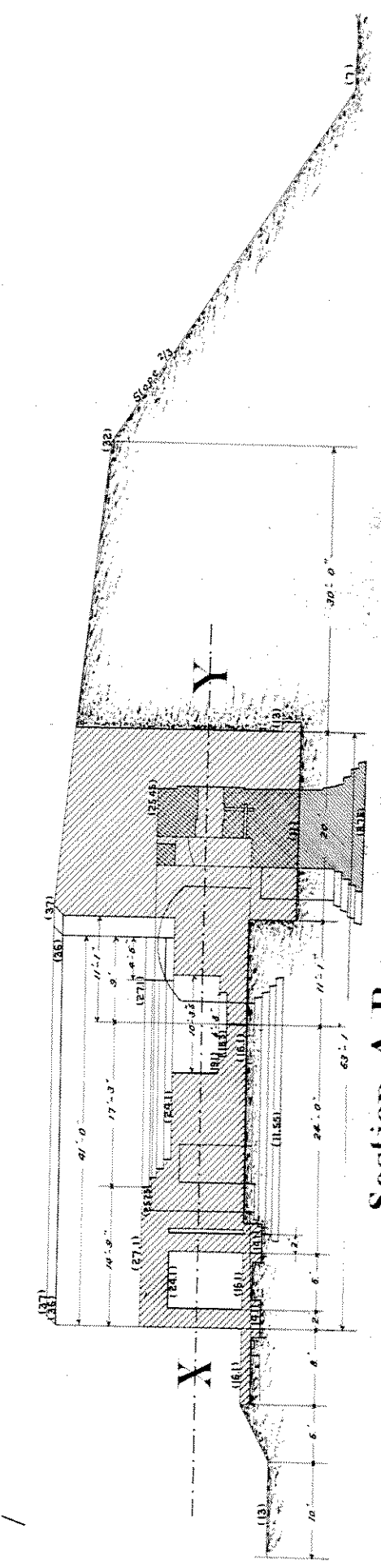
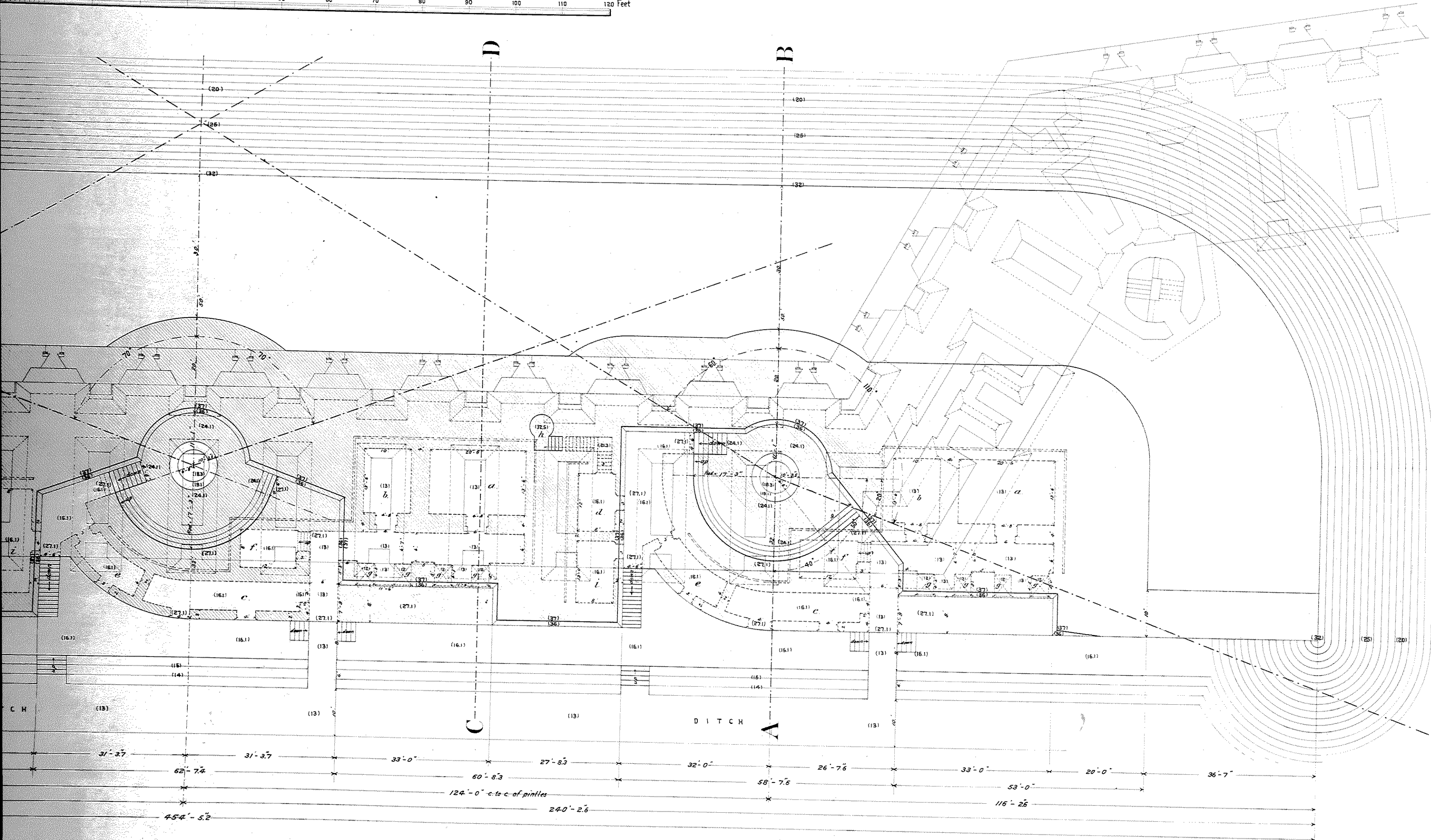
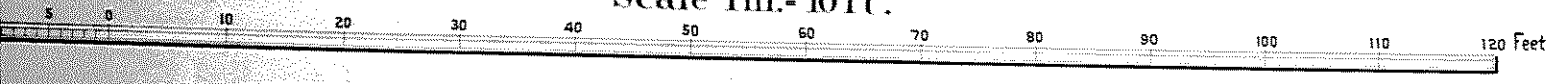
SANDY HOOK, N. J.

1896.

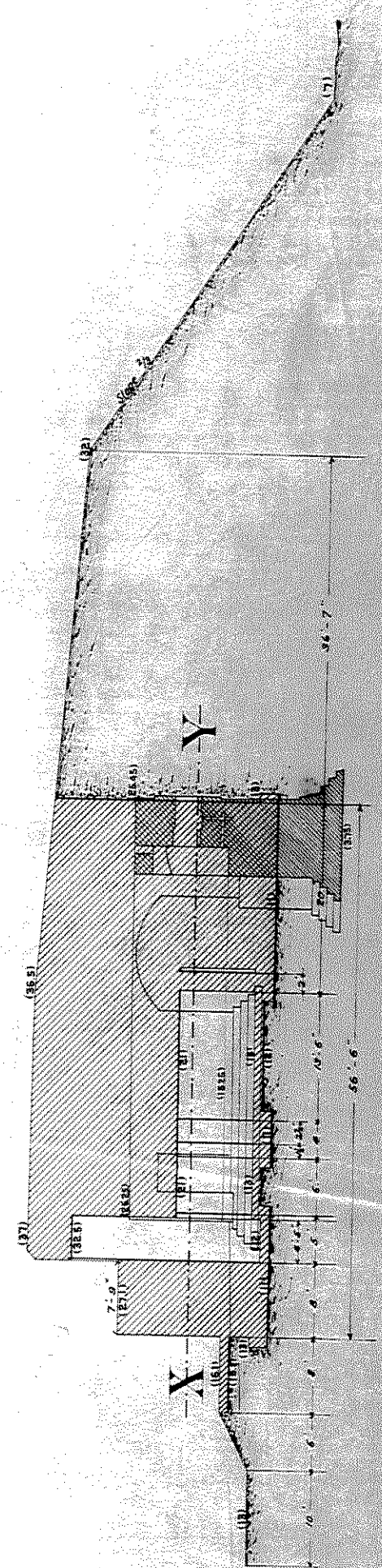
Scale 1 in. = 10 ft.

ENGINEER OFFICE, U.S.A.
New York, N.Y., Oct. 14, 1896.
To accompany report to the Chief of Engineers, U.S.A.
of this date.

J. L. Simpson
COLONEL, CORPS OF ENGINEERS, U.S.A.



Section A-B.



Section C-D.

- LEGEND.**
- a. — Powder Magazine.
 - b. — Shell Room.
 - c. — Shot Room.
 - d. — Relocating Room.
 - e. — Guard Room.
 - f. — Storage Battery Room.
 - g. — Ammunition Lifts.
 - h. — Observing Station.
 - i. — Store Room.

and Horizontal Section of Masonry on line X-Y.

Existing Masonry shown blue.

The general reference of the magazine floors in this battery have been changed from (130) to (100) mean low water (100). See Drawing 45, Sheet 100, Letter 38 of Appendix.

For modification of Emplacement No. 1, see Drawing 45, Sheet 100.

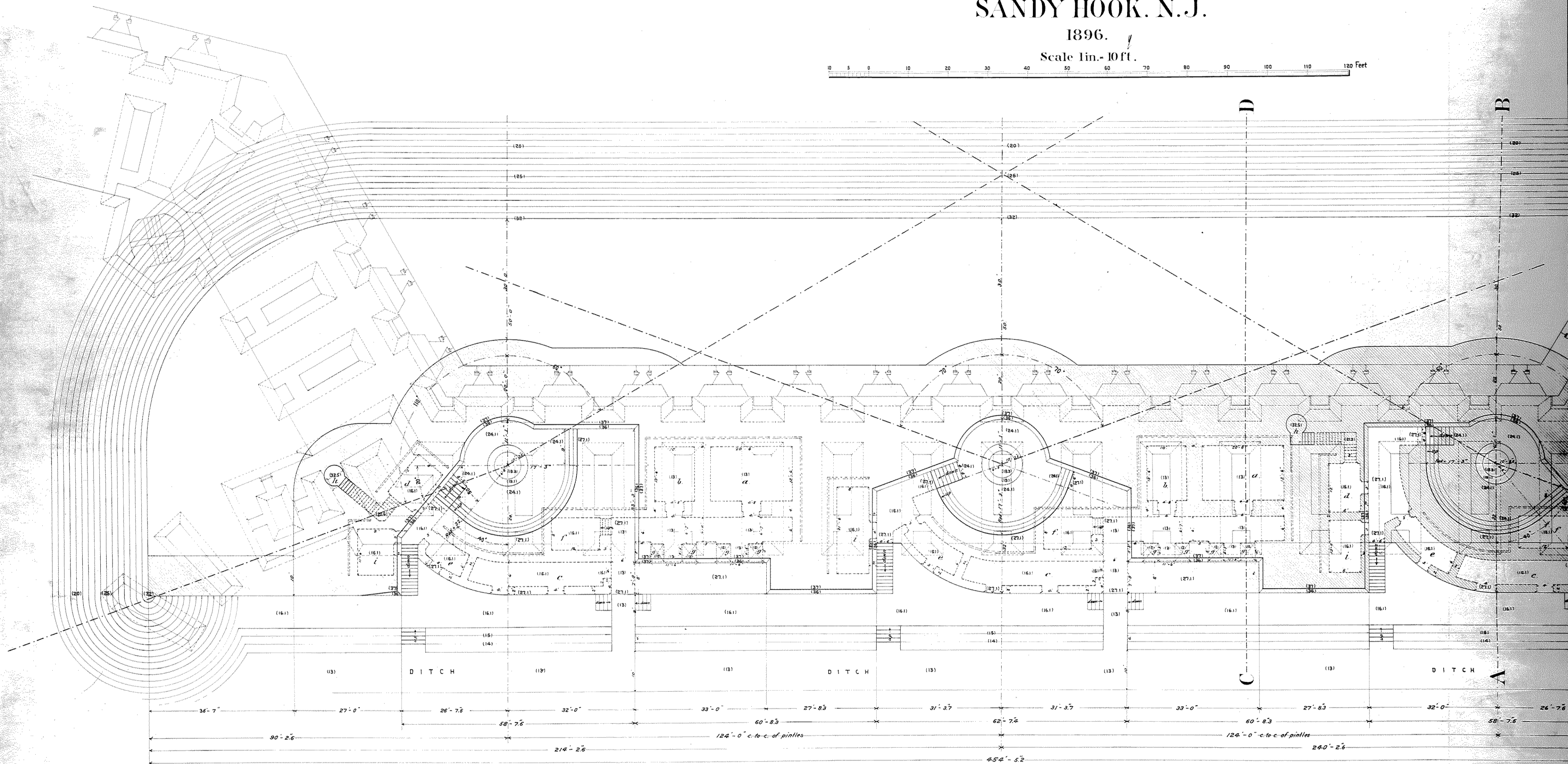
BATTERY N^o 2. FORT HANCOCK.
 FOR
 THREE 10-INCH GUNS MOUNTED ON U.S. DISAPPEARING CARRIAGES, MODEL 1896.

Located on Curtain of East Bastion, Old Fort.

AT
 SANDY HOOK, N.J.

1896.

Scale lin.-10ft.



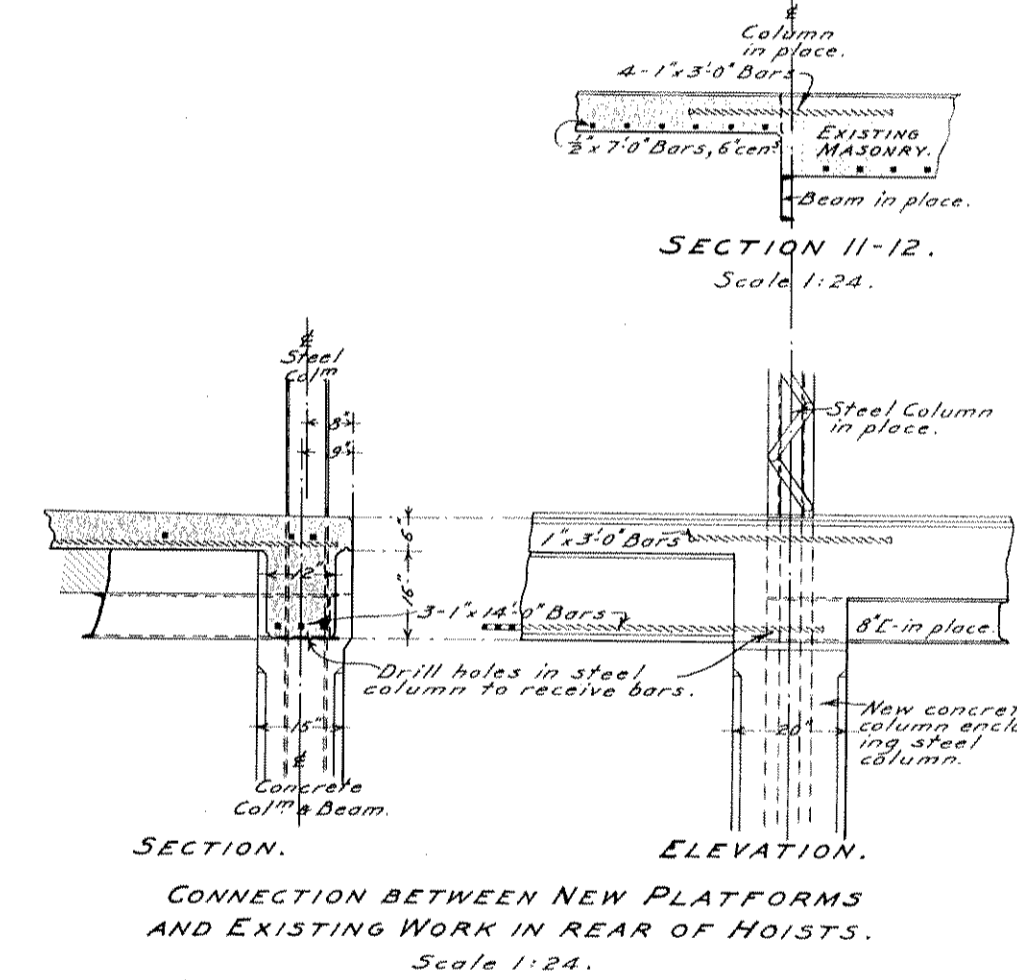
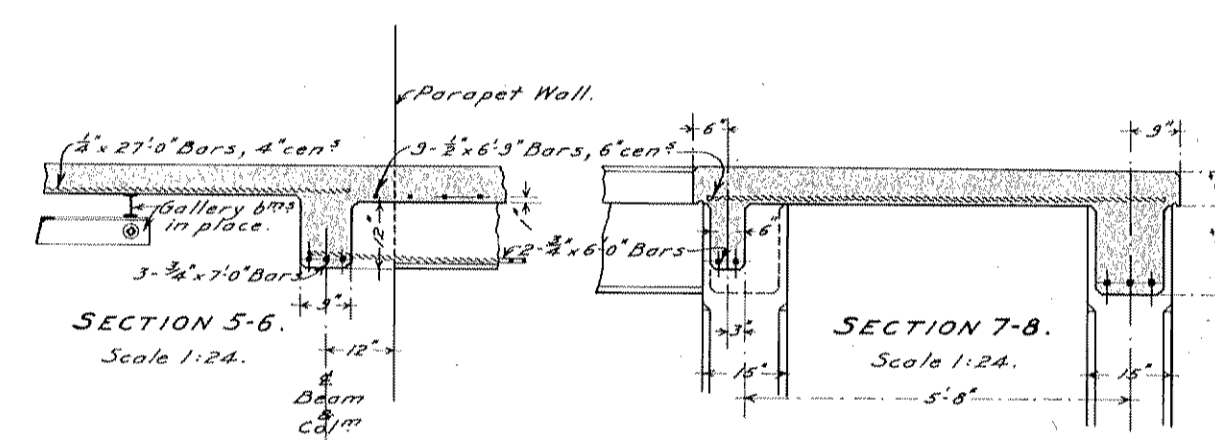
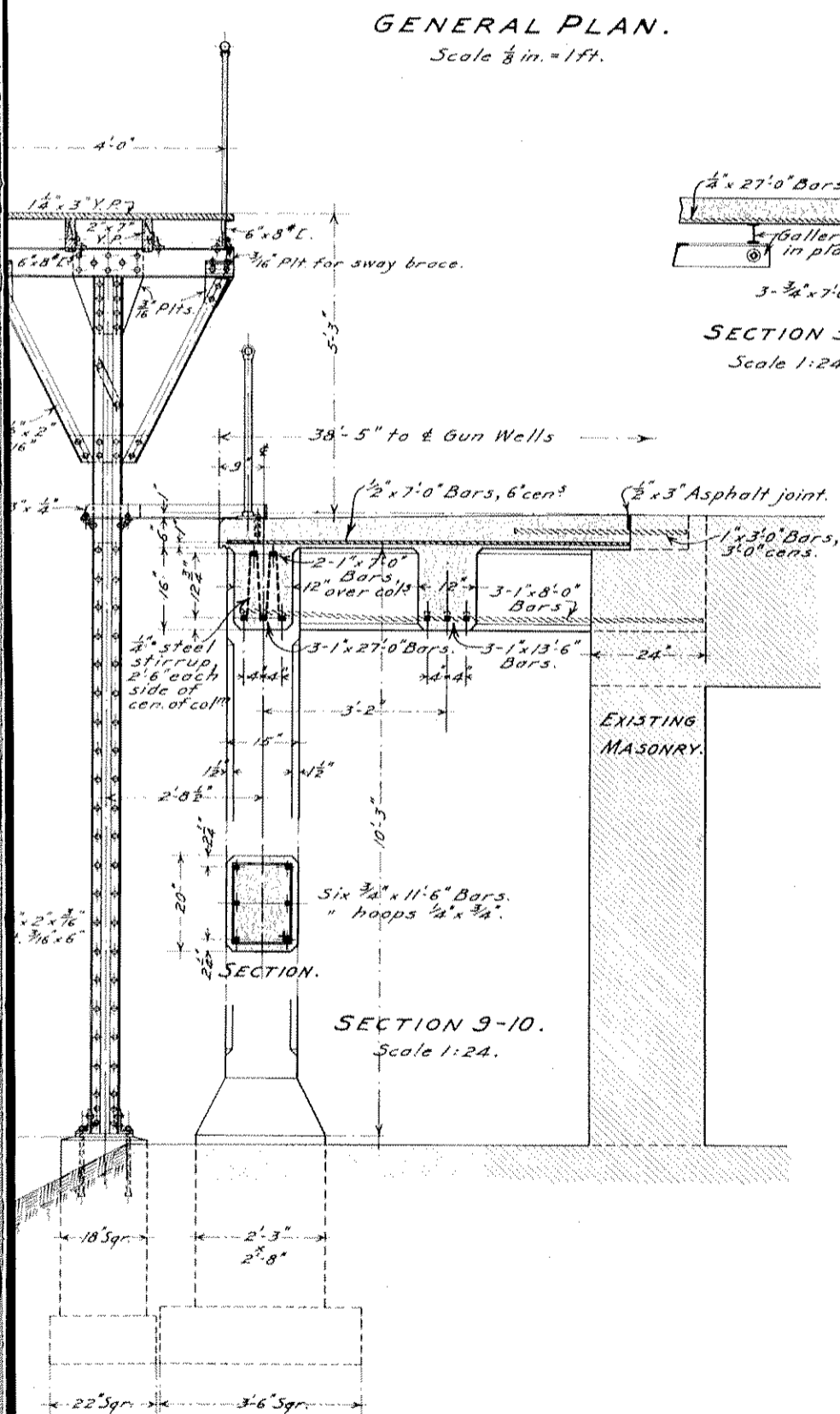
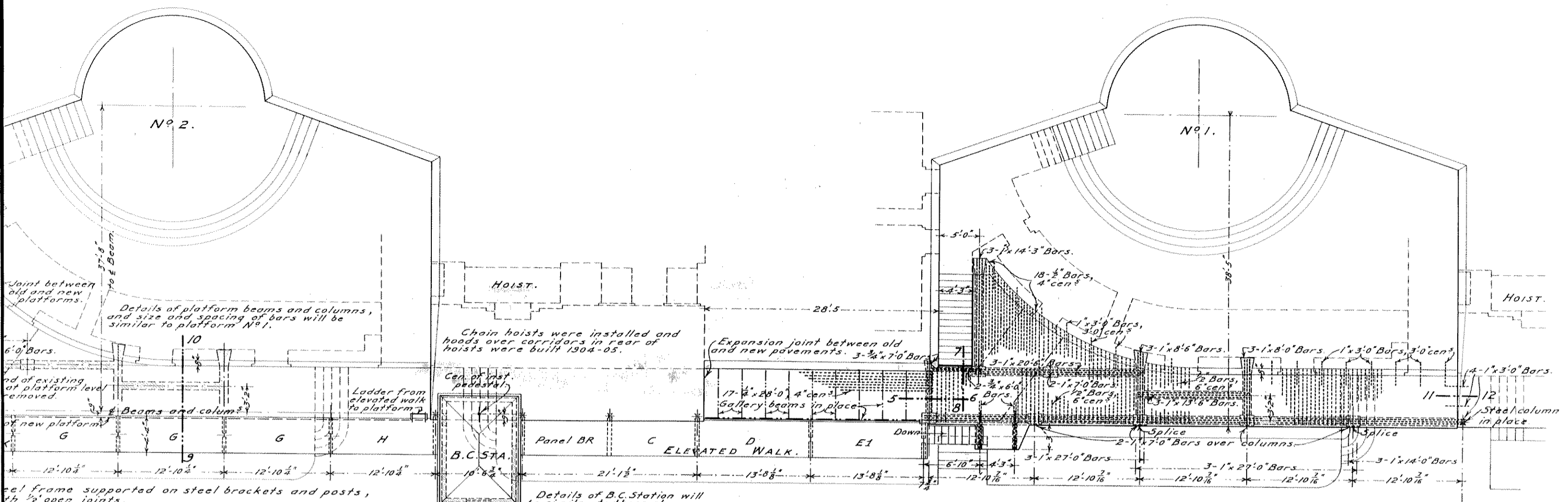
Plan and Horizontal Section of Masonry on line X-Y.

Existing Masonry shown blue.

The general reference of the magazine floors in this battery have been changed from (100) to (100) near low water mark. See Drawing 45, Sheet 100, letter (28) of Appendix.

SHT 2052

For modification of Emplacement No. 1. 45-100-6



NOTES.

Re-inforcing bars in columns will be plain square steel; those in beams and slabs will be square twisted steel. Bars will be carefully placed as shown.

Forms for beams and slabs will not be removed for at least four weeks after concrete work is finished.

No bars will be laid with less than $\frac{3}{4}$ -inch of concrete on under side.

Concrete in beams, slabs and columns will be of one (1) part Portland cement, two (2) parts sand and four (4) parts broken stone about $\frac{3}{4}$ -inch in size.

Concrete in column bases and footings will be of one (1) part Portland cement, two (2) parts sand and five (5) parts broken stone about 2-inches in size.

All concrete to be placed wet.

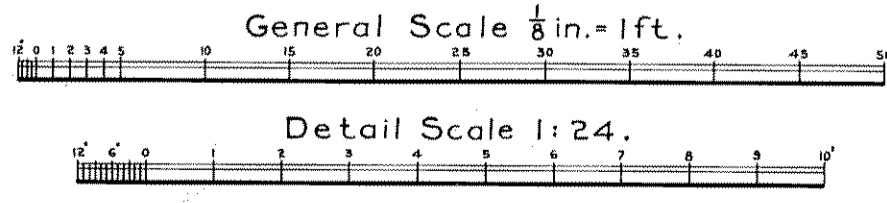
* If clean trap rock screenings can be obtained the sand may be omitted and three (3) parts screenings used instead.

FORT HANCOCK, N. J.

PLANS AND DETAILS FOR MODERNIZING BATTERY HALLECK

drawn under direction of
LIEUT. COL. W. L. MARSHALL, CORPS OF ENGINEERS, U.S.A.

JUNE 1906.

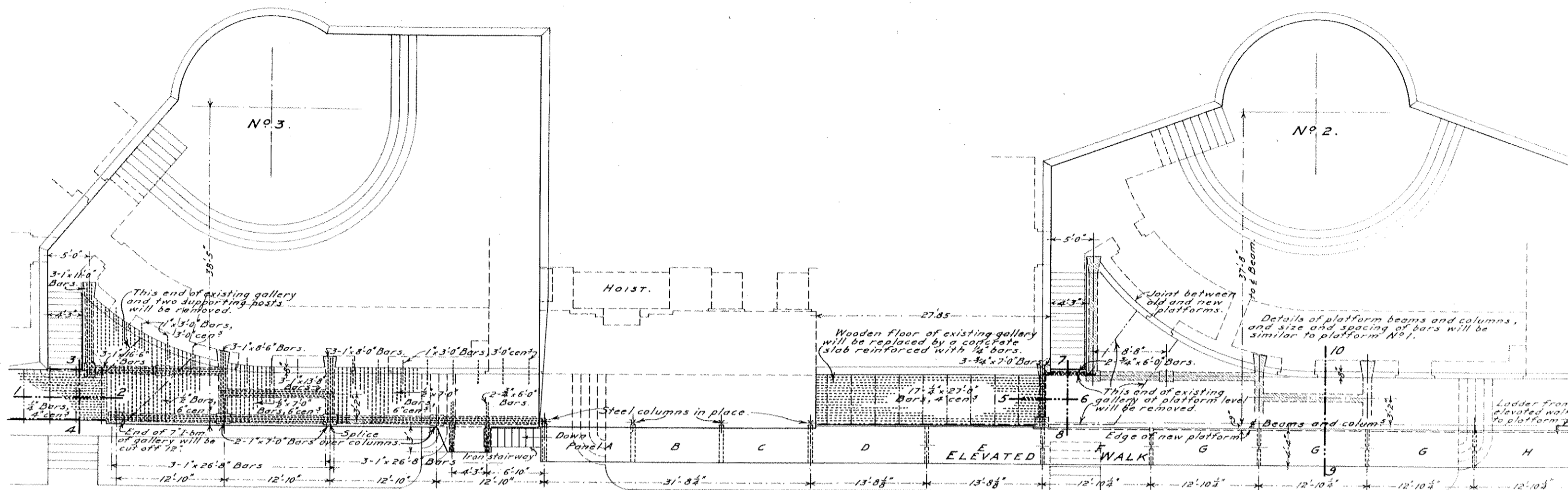


Forwarded to the Chief of Engineers, U.S.A., with letter dated June 25, 1906.

W. L. Marshall
 Lieut. Col., Corps of Engineers, U.S.A.

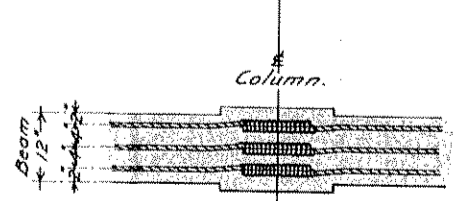
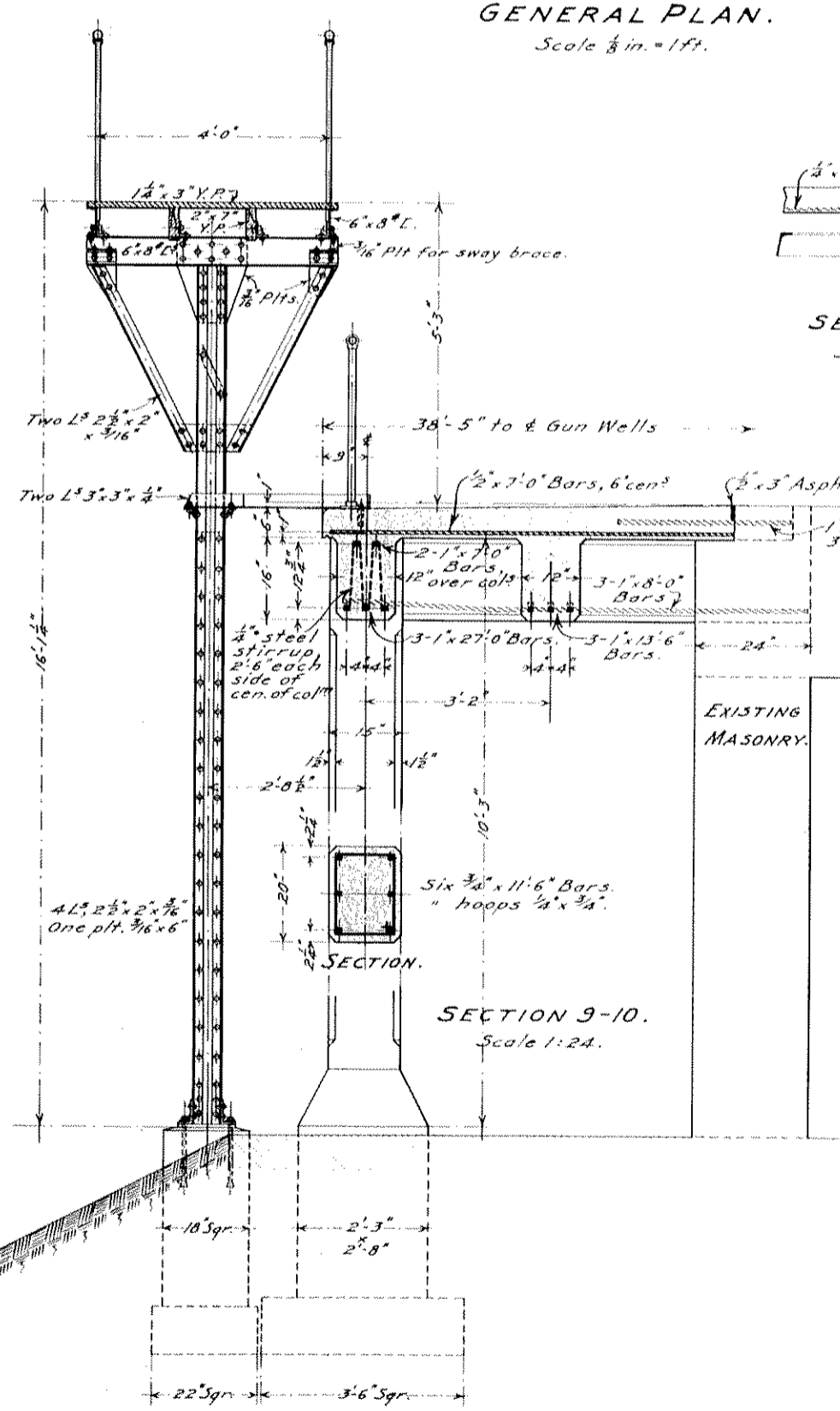
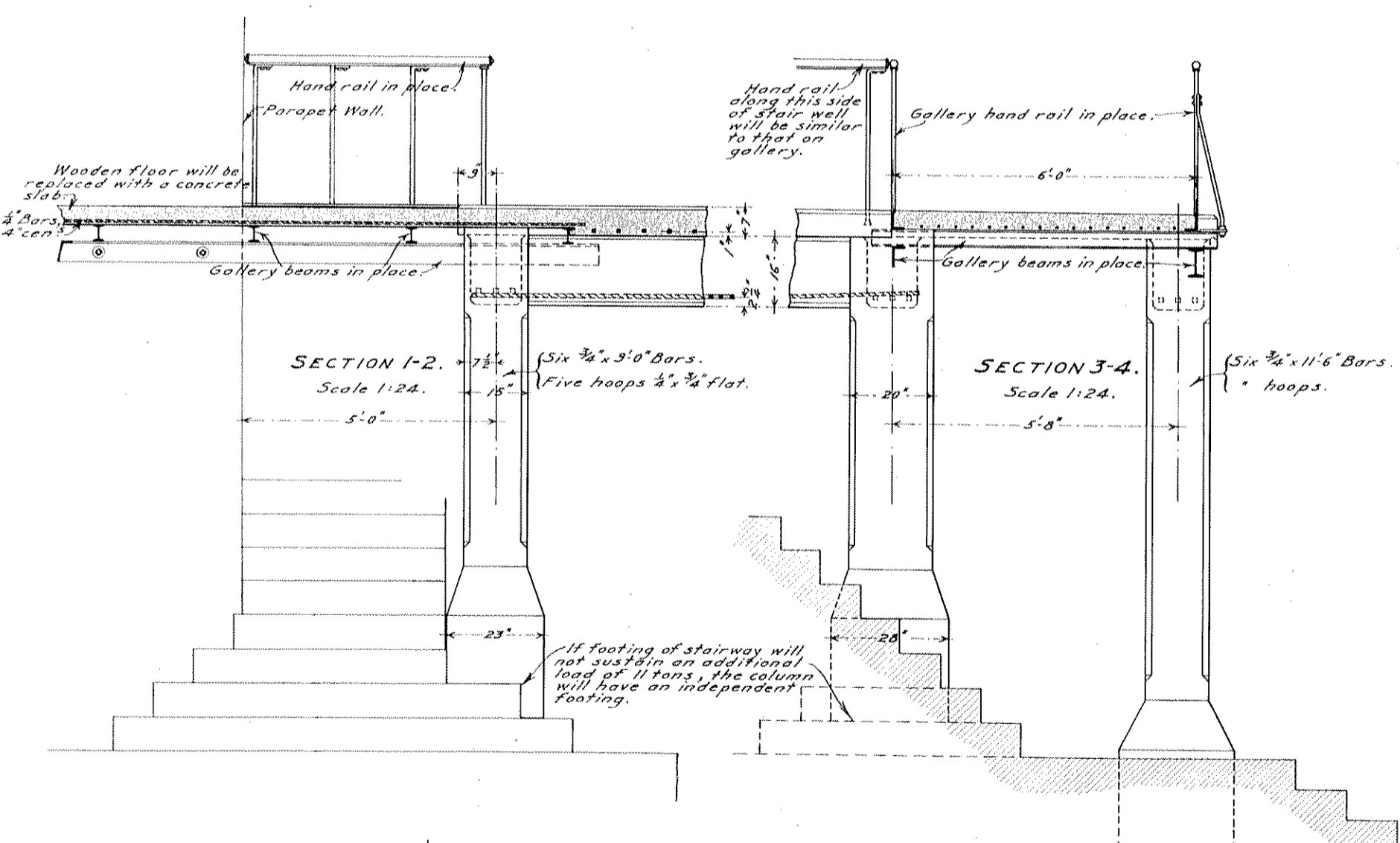
J.C. LETTS, DRAFTSMAN.

Sht 1052 45-100-25

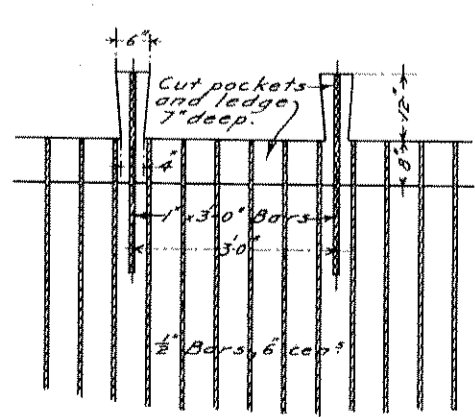


The elevated walk will consist of a steel frame supported on steel brackets and posts, with a floor of 1 1/2" x 3" yellow pine laid with 1/2" open joints.

GENERAL PLAN.
Scale 1/8 in. = 1 ft.

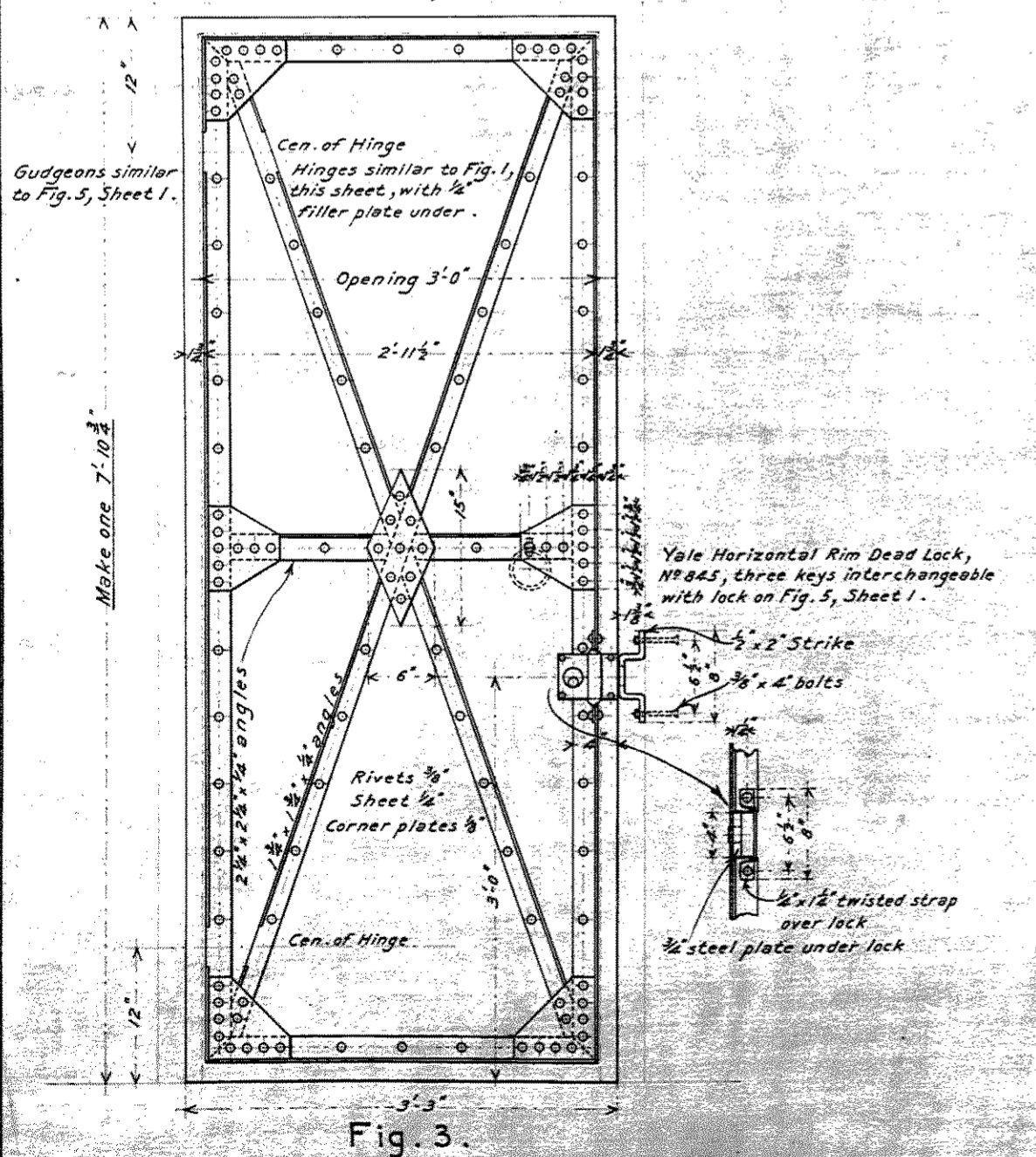
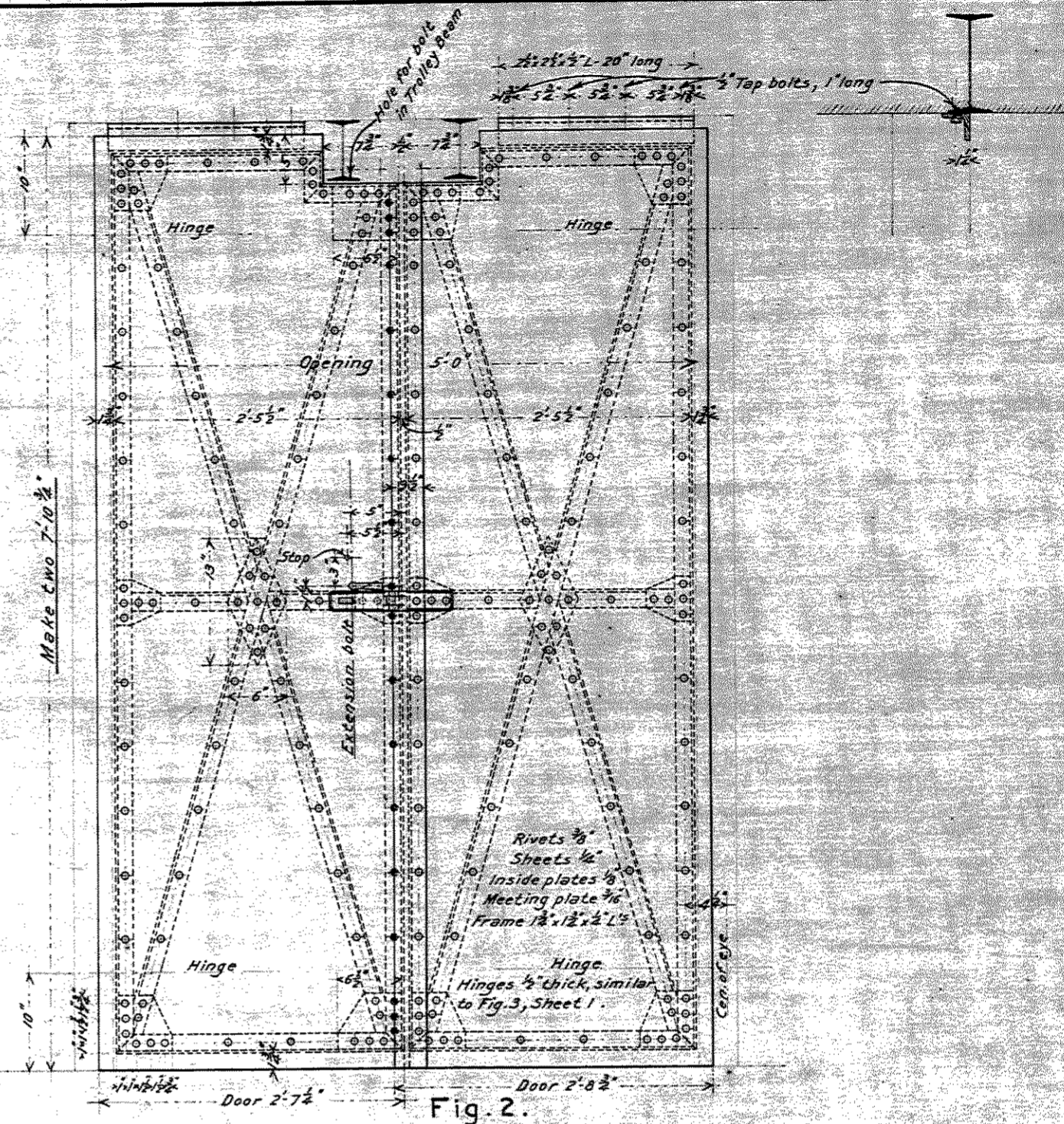
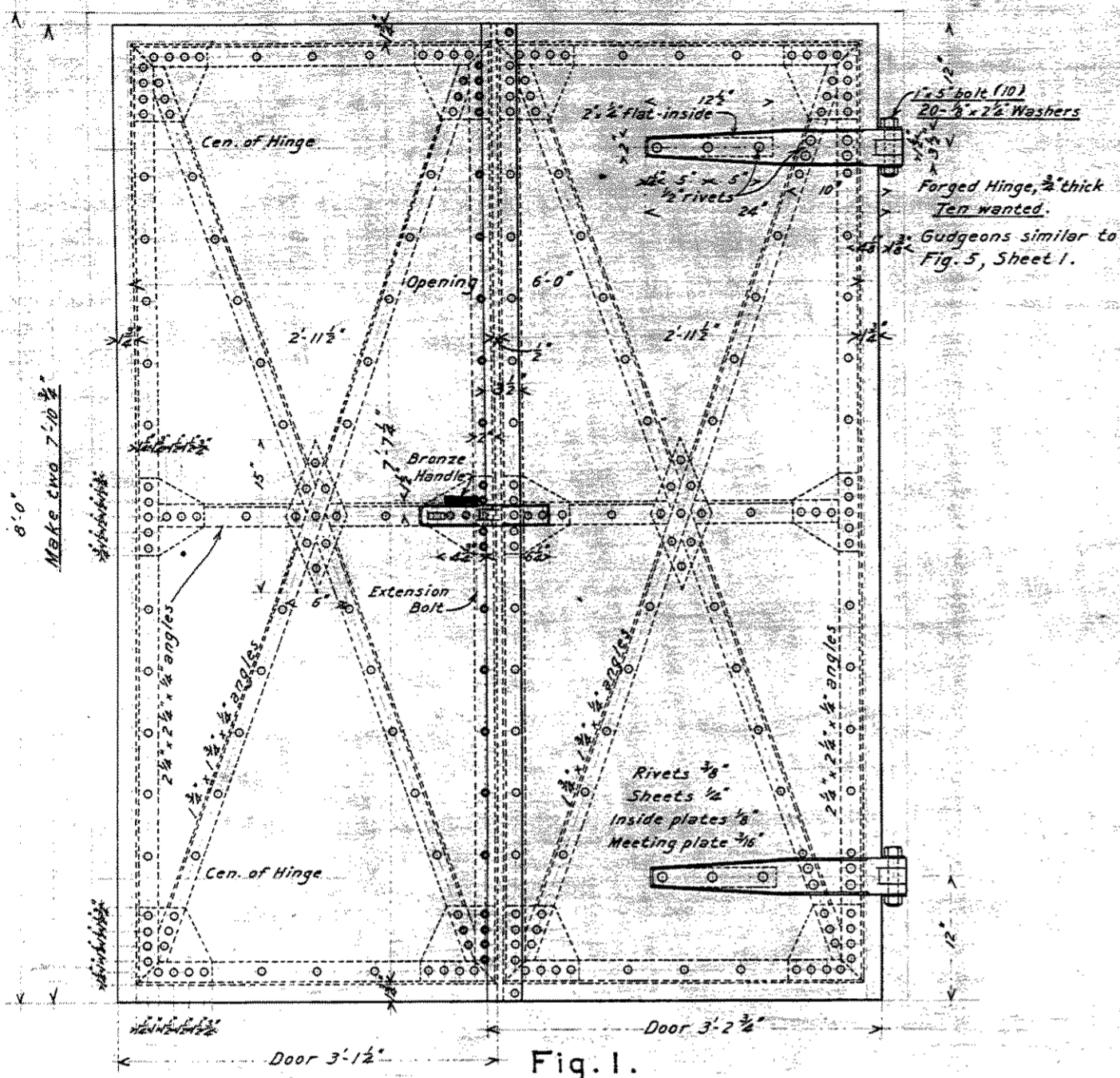


Bars will be in the same horizontal plane at splices and will be tightly wrapped with No. 14, B.W.G., wire, at least 18 turns.



PLAN AT INNER ENDS OF PLATFORM REINFORCING BARS.

Forward with letter.



DETAILS OF STEEL DOORS BATTERY HALLECK, FORT HANCOCK, N.J.

to accompany specifications issued by

MAJOR W.L. MARSHALL, CORPS OF ENGINEERS, U.S.A.

JUNE 5, 1902.

Scale 1:12.

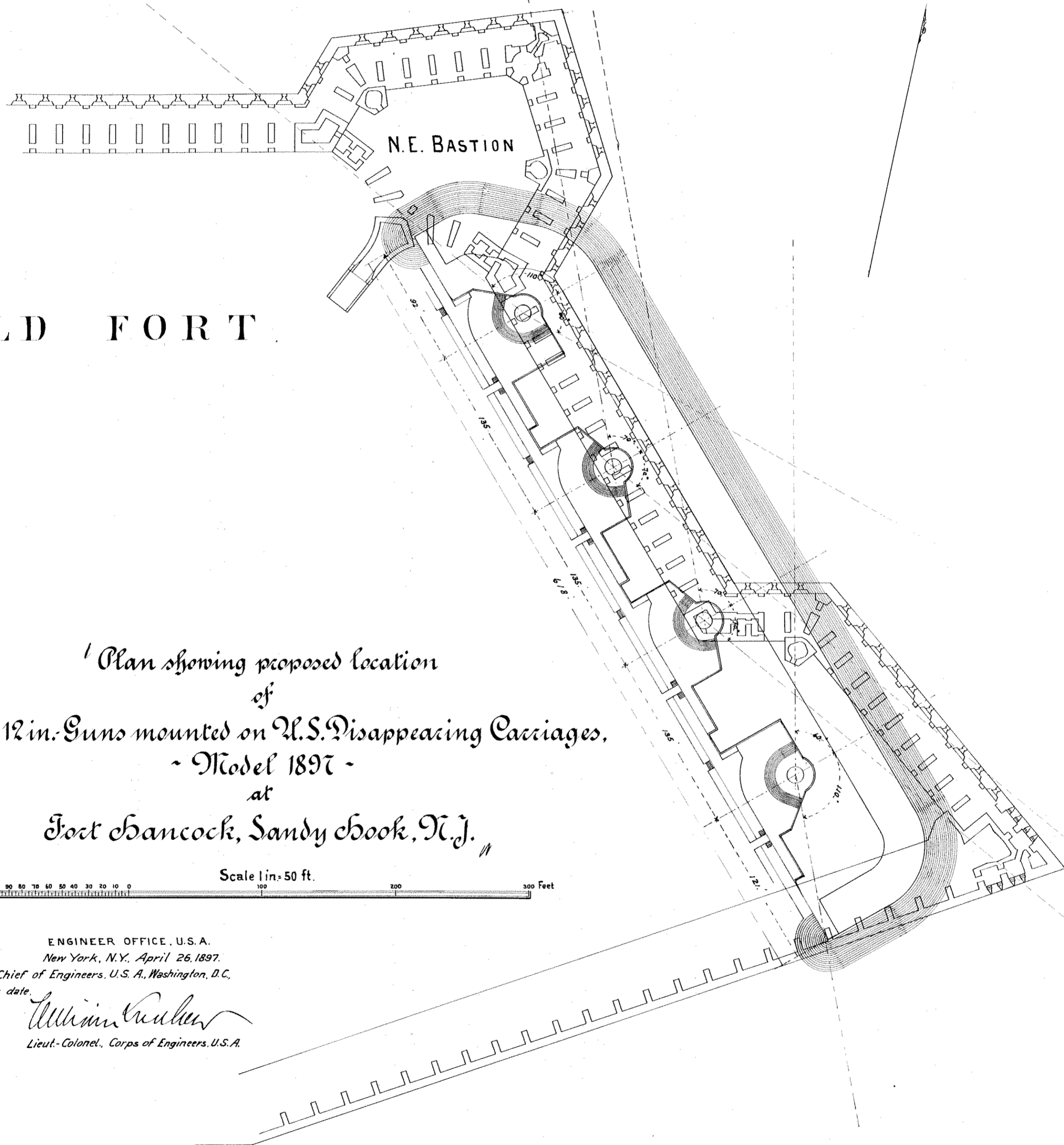


Three Sheets - Sheet 3.

See Sheet 2 for details of Hasp and Locking Device.

50300
1897

OLD FORT

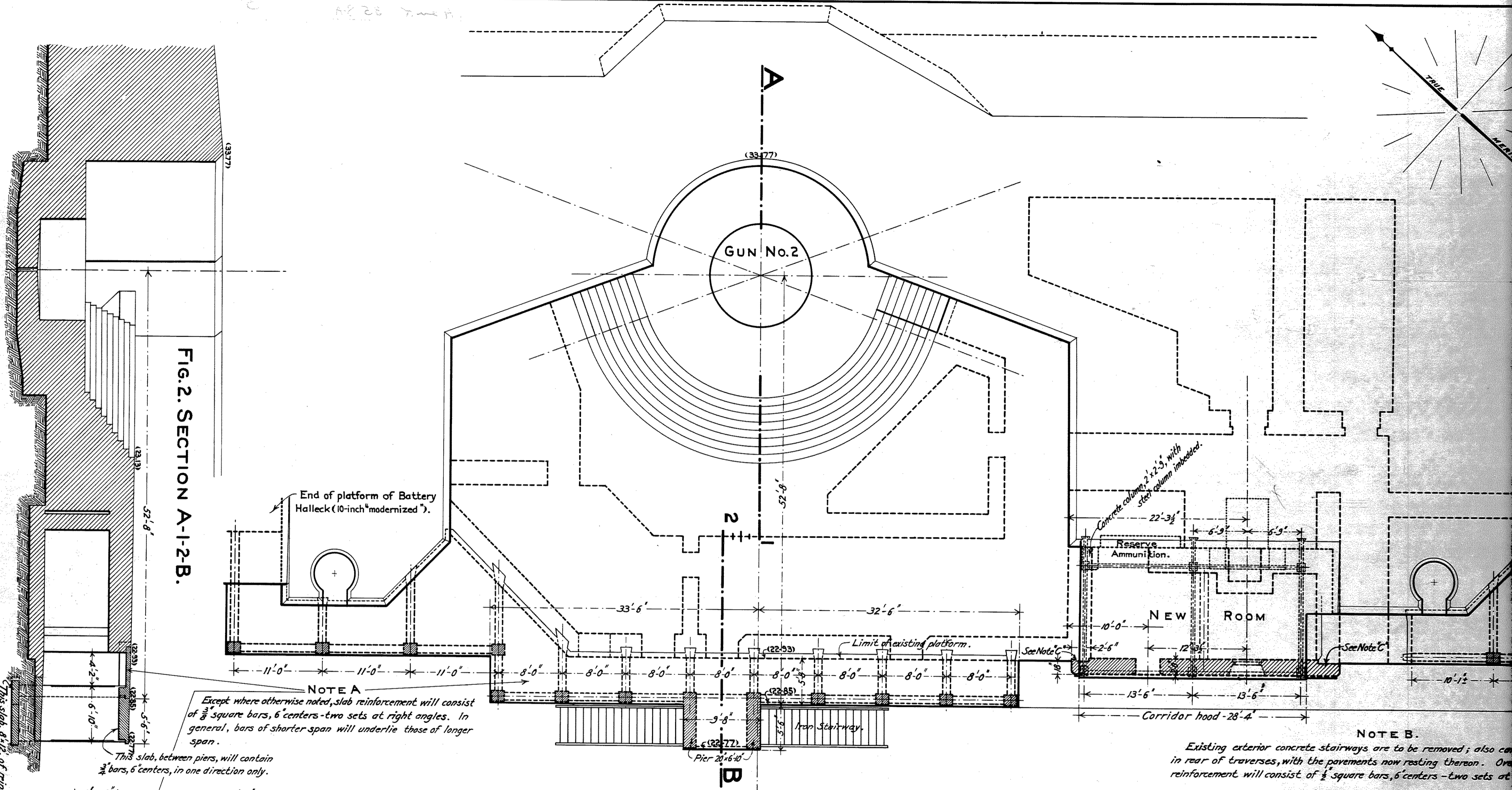


Plan showing proposed location
of
Four 12 in. Guns mounted on U.S. Disappearing Carriages,
- Model 1897 -
at
Fort Hancock, Sandy Hook, N.J.

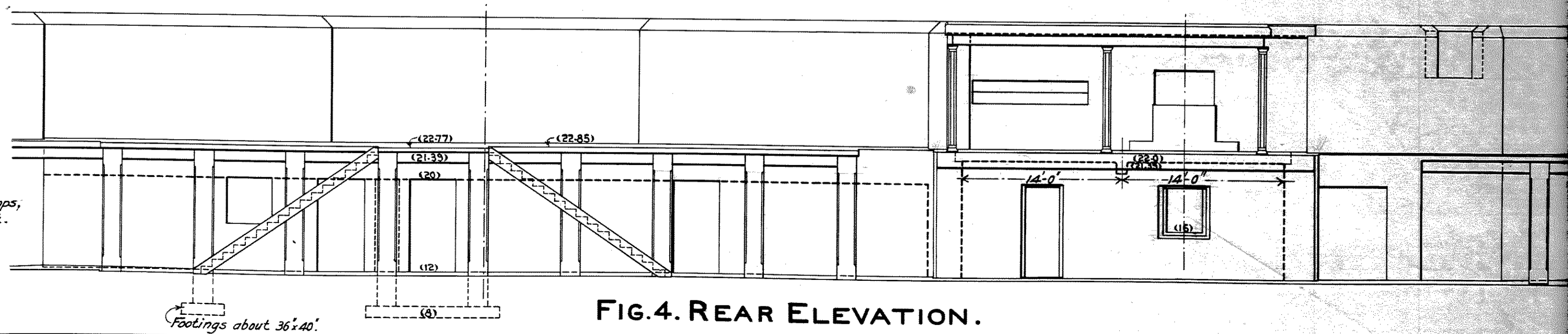
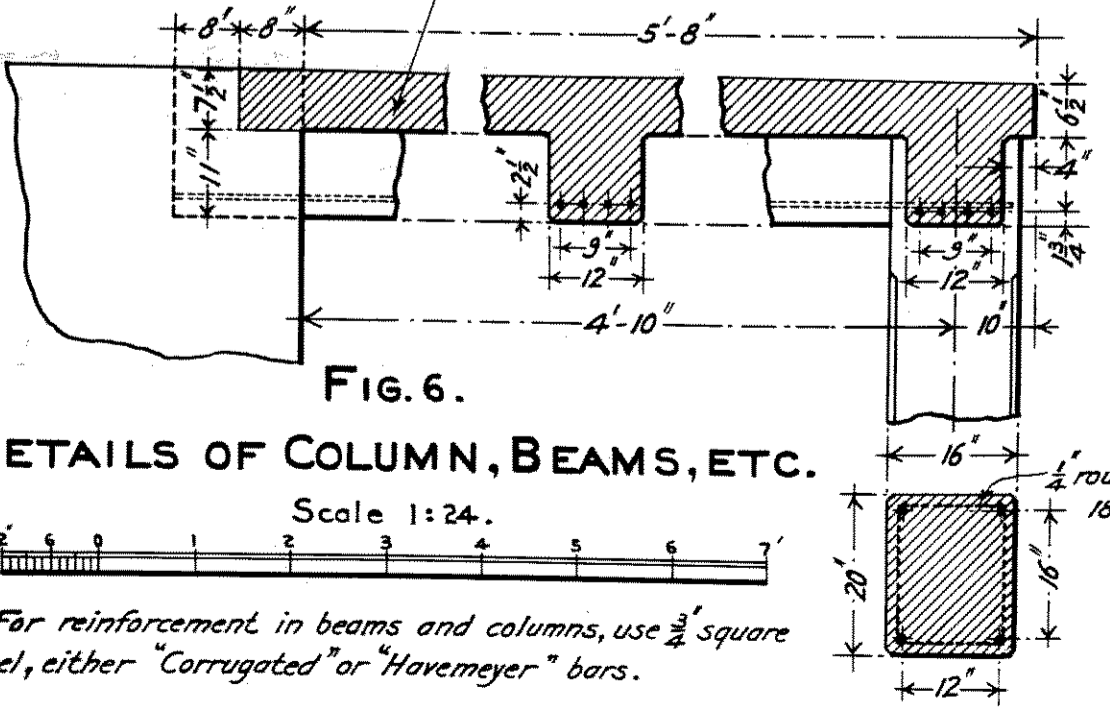
Scale 1 in = 50 ft.
100 80 60 40 20 0 100 200 300 Feet

ENGINEER OFFICE, U.S.A.
New York, N.Y., April 26, 1897.
Sent to the Chief of Engineers, U.S.A., Washington, D.C.,
with letter of this date.

William C. Coker
Lieut.-Colonel, Corps of Engineers, U.S.A.



This slab, 8' x 12', of reinforced concrete forms foundation for central piers.

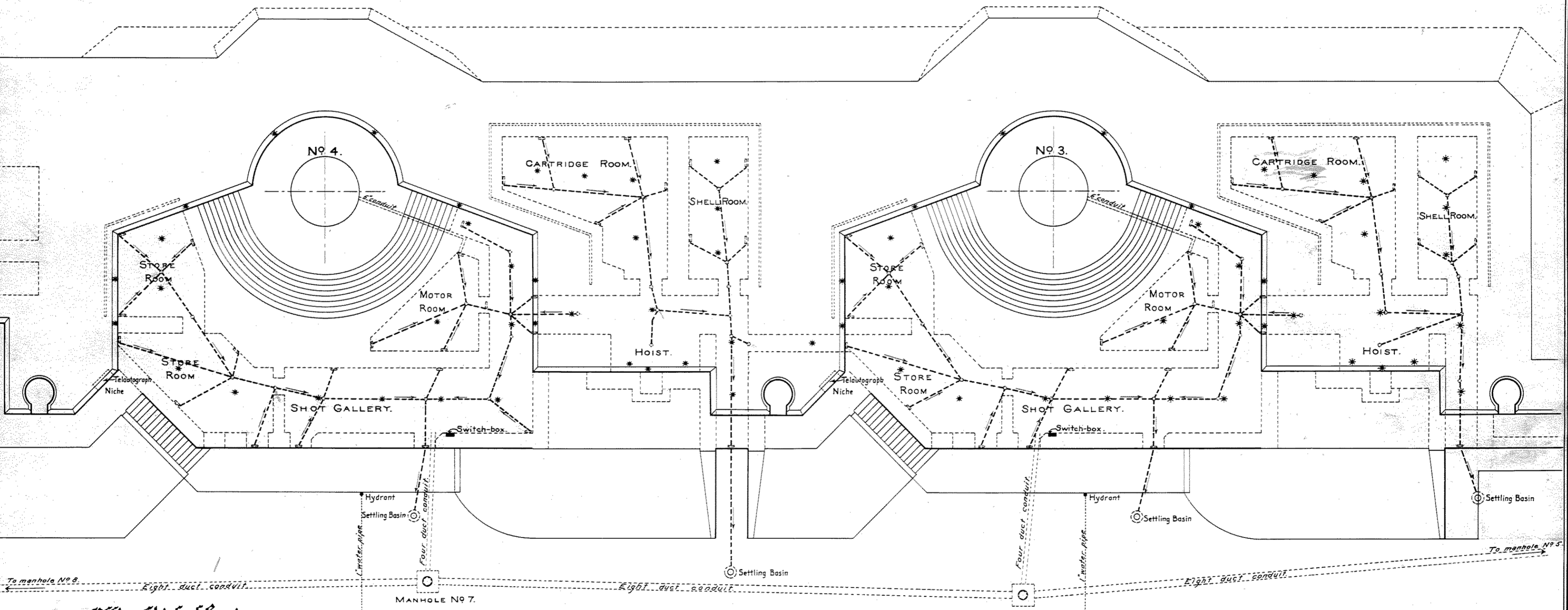
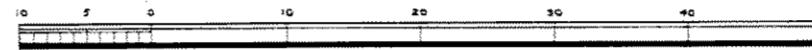


SH 1082

PLAN SHOWING
 DRAINAGE AND ELECTRIC SYSTEMS
 EMPLACEMENTS 3 AND 4 OF BATTERY HALLECK,
 FORT HANCOCK, NEW JERSEY.

NOVEMBER 1904.

Scale 1-inch = 10 feet.



Office Chief of Engineers,
 U. S. Army,
 December 3, 1904.

Respectfully submitted to the
 Secretary of War, with recommen-
 dation for approval.

M. McKee
 Brig. Gen., Chief of Engineers,
 U. S. Army.

INSTRUCTIONS FOR GARRISON.

1. Drains (---) lead from strainers (= ⊙) in rooms and terminate in settling basins, as indicated. Floors are graded to fall towards strainers, which are removable. Arrows show direction of flow.
2. All drain pipes shall be carefully inspected and cleaned at least once a week. Occasionally the pipes should be flushed by means of hose run from hydrants.
3. The rooms and passages must be swept and all rubbish removed at least once a week; care must be taken that the holes in strainers are kept open and free from dirt; sweepings must be removed to such a place that they will not be carried back into the drains by wind or water.
4. Immediately after each rain the earth slopes shall be carefully inspected; any slight tendency to gully or slough shall be at once remedied. Any serious gullying shall be at once reported in writing to the Engineer Officer in charge of the district.
5. No person shall be allowed to walk up or down the earth slopes at any time, except when necessary to inspect or repair them.
6. All doors should be opened from daylight until 2 P.M. on clear days, when there is a good breeze and temperature is above 60°.
7. Lights (*) are controlled from switch boxes, located in shot galleries; the current is carried in armored cables secured to ceiling and walls.

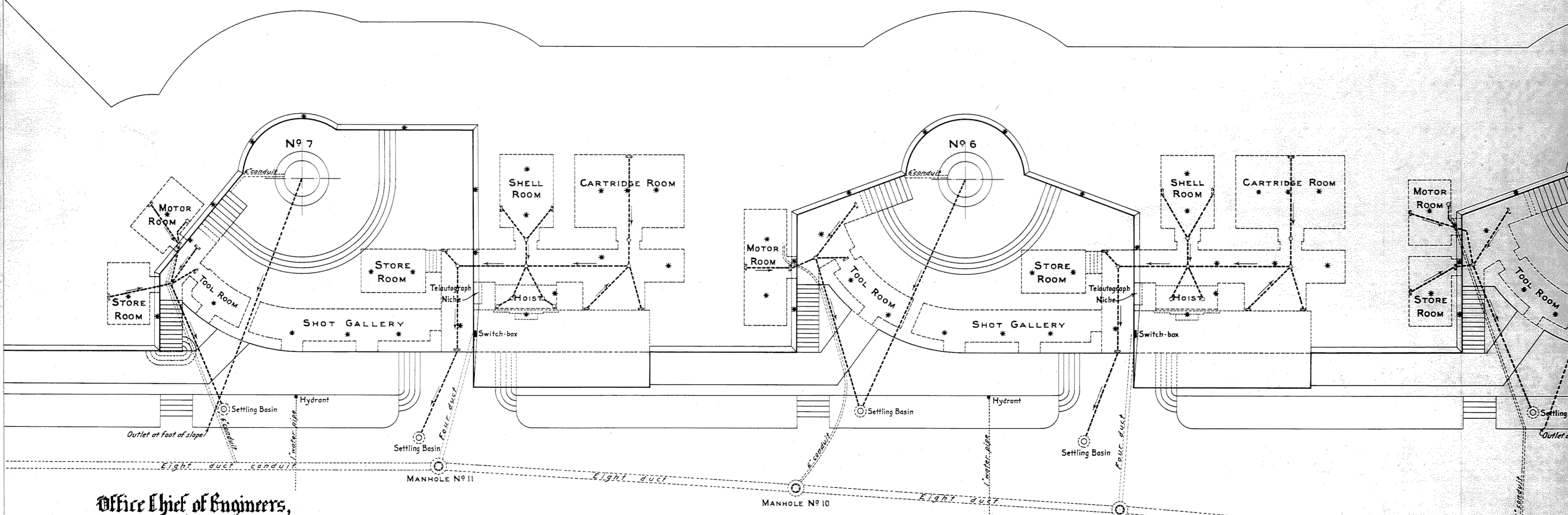
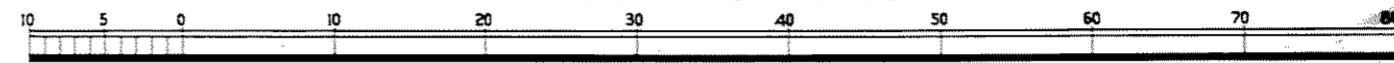
War Department,
 Dec. 6, 1904.

Approved. *Robert Shawcross*
 Acting Secretary of War.

PLAN SHOWING
DRAINAGE AND ELECTRIC SYSTEMS
EMPLACEMENTS 5, 6 AND 7, BATTERY HALLECK,
FORT HANCOCK, NEW JERSEY.

NOVEMBER 1904.

Scale 1-inch=10-feet.



Office Chief of Engineers,
U.S. Army.
December 3, 1904.

Respectfully submitted to the
Secretary of War, with recommen-
dation for approval.

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

War Department,
Dec. 6, 1904.

Approved. *Robert Hawley*
Acting Secretary of War.

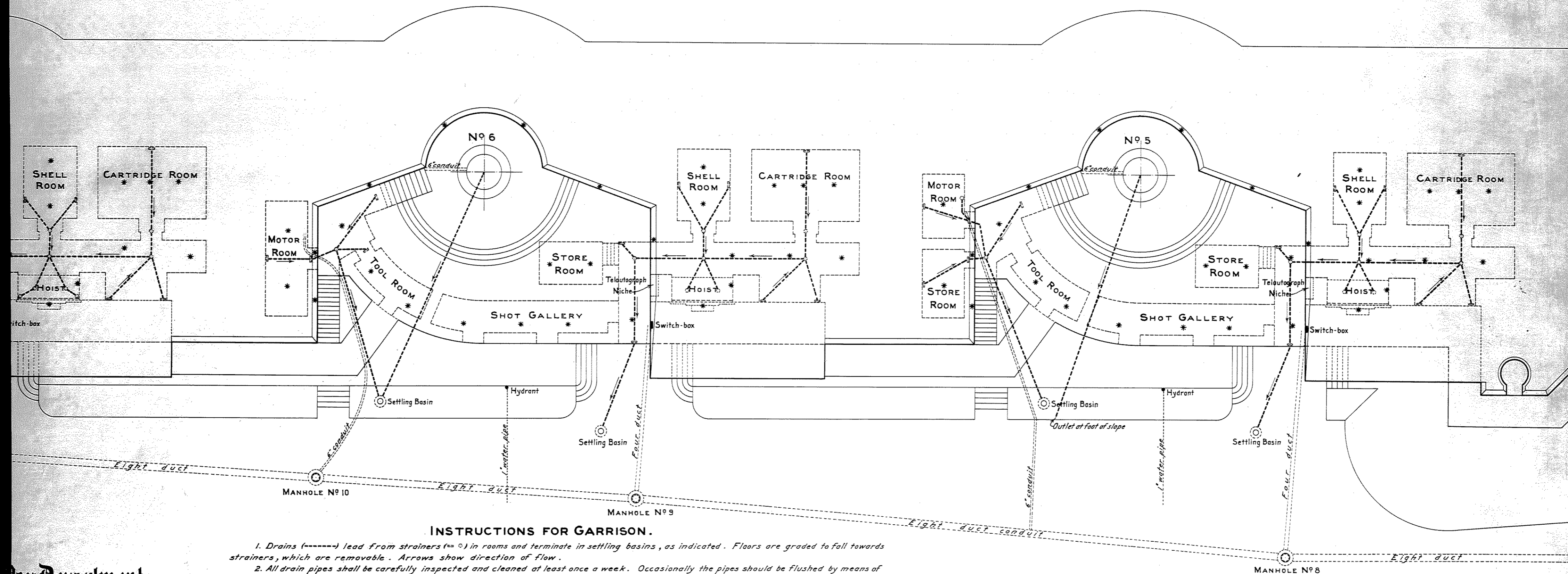
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PLAN SHOWING
DRAINAGE AND ELECTRIC SYSTEMS
EMPLACEMENTS 5,6 AND 7, BATTERY HALLECK,
FORT HANCOCK, NEW JERSEY.

NOVEMBER 1904.

Scale 1-inch=10-feet.



INSTRUCTIONS FOR GARRISON.

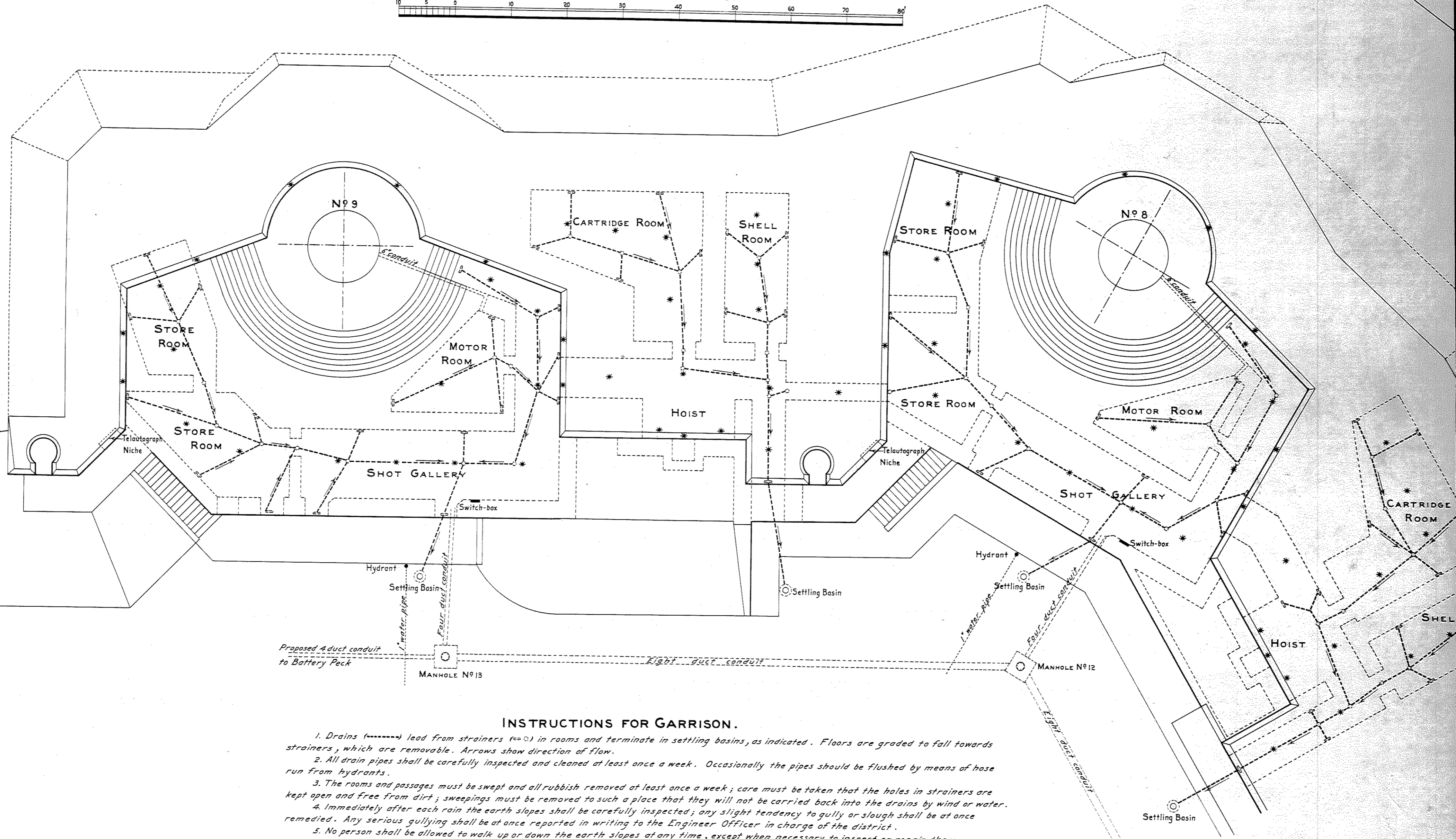
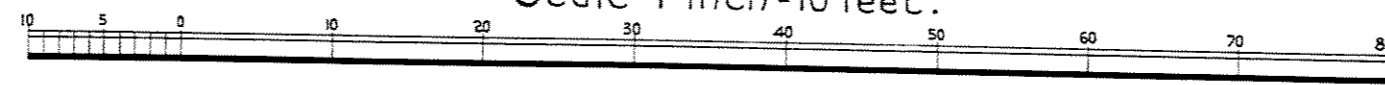
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War Department,
Dec. 6, 1904.
Robert Shawcross
Secretary of War.

PLAN SHOWING
DRAINAGE AND ELECTRIC SYSTEMS
EMPLACEMENTS 8 AND 9, BATTERY HALLECK,
FORT HANCOCK, NEW JERSEY.

NOVEMBER 1904.

Scale 1-inch=10-feet.



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7. Lights (*) are controlled from switch boxes, located in shot galleries; the current is carried in armored cables secured to ceilings and walls.

sh 1052

45-100-24

PLAN SHOWING
DRAINAGE AND ELECTRIC SYSTEMS
EMPLACEMENTS 8 AND 9, BATTERY HALLECK,
FORT HANCOCK, NEW JERSEY.

NOVEMBER 1904.
 Scale 1-inch=10-feet.



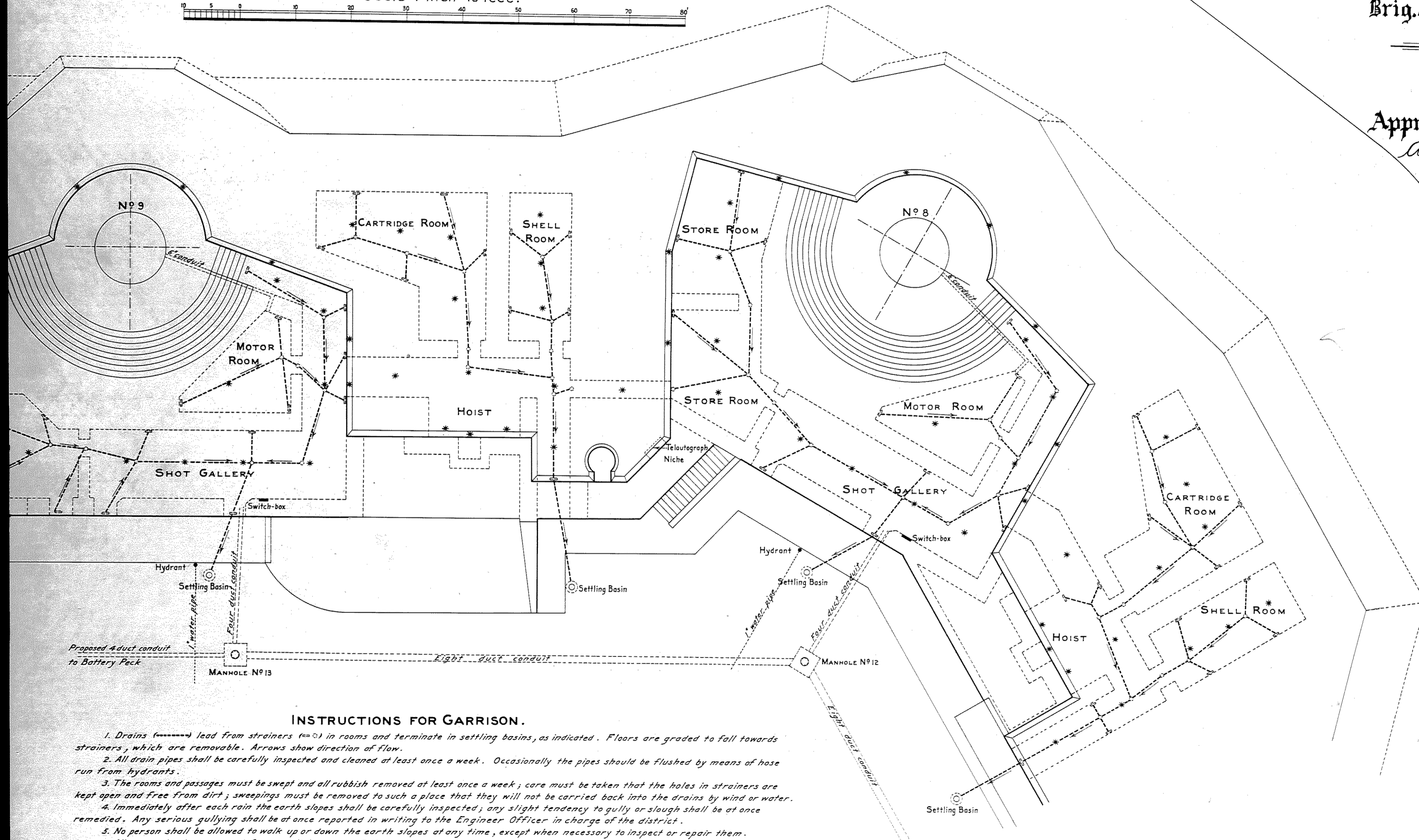
Office Chief of Engineers,
 U.S. Army,
 December 3, 1904.
 Respectfully submitted to the
 Secretary of War, with recommen-
 dation for approval.

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

War Department,
 Dec. 6, 1904.

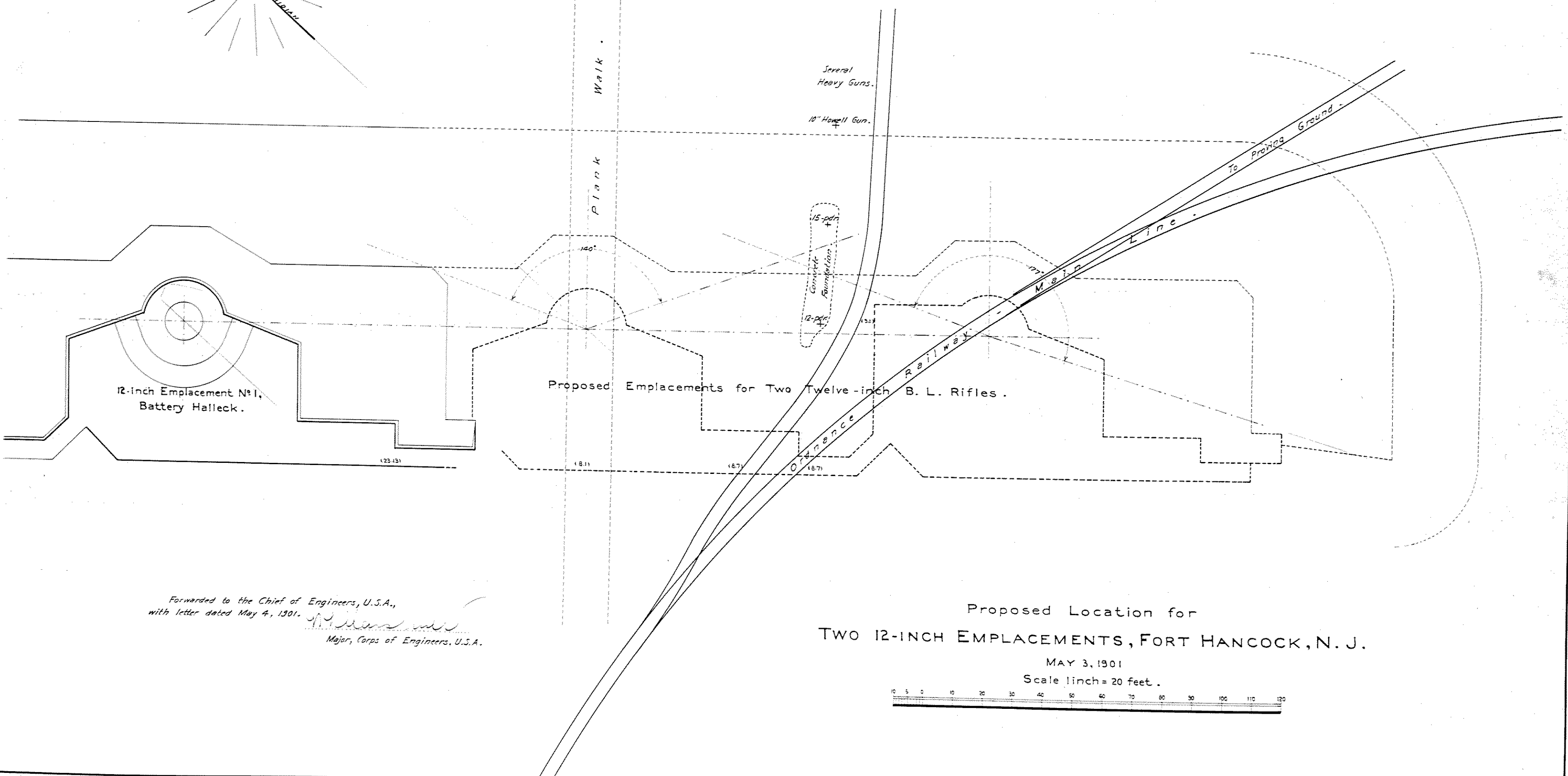
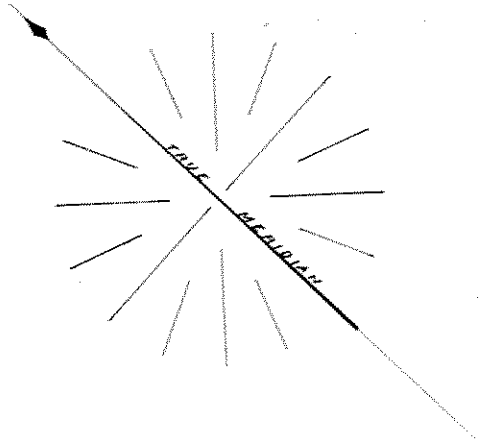
Approved. *Robert Shawcross*
 Acting Secretary of War.

reference



INSTRUCTIONS FOR GARRISON.

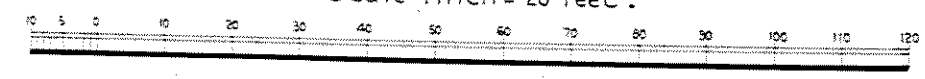
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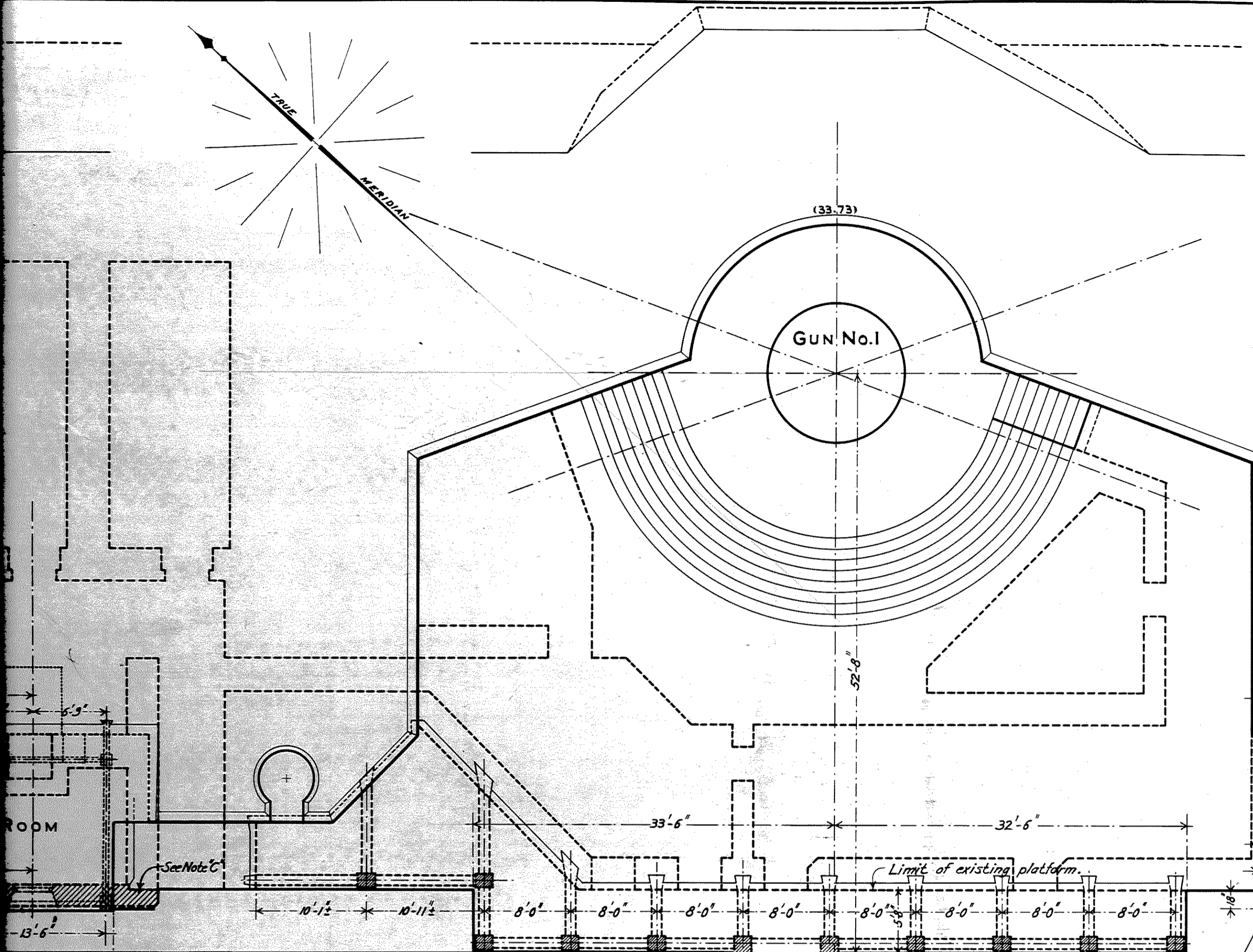


Forwarded to the Chief of Engineers, U.S.A.,
with letter dated May 4, 1901.
William M. Miller
Major, Corps of Engineers, U.S.A.

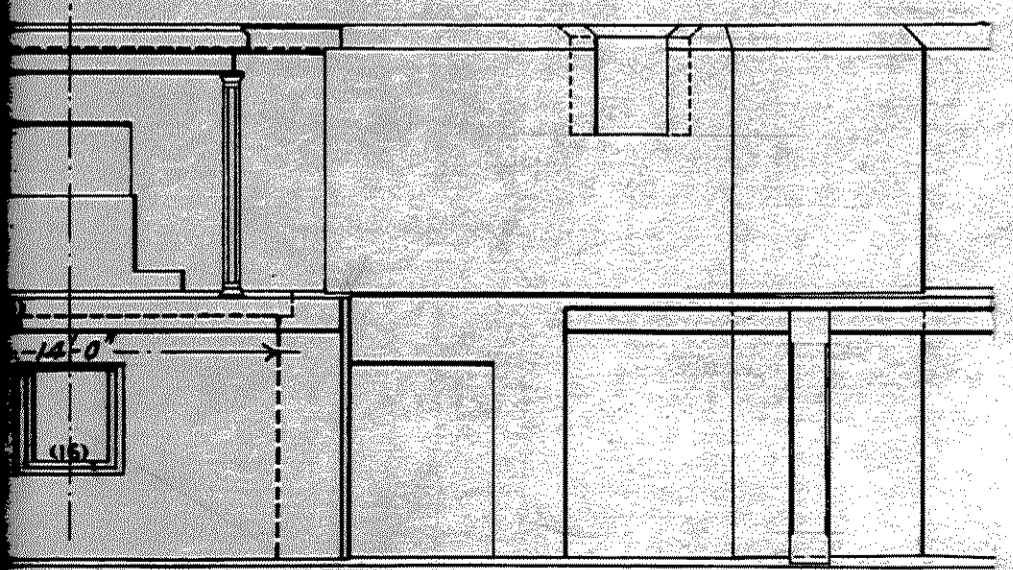
Proposed Location for
TWO 12-INCH EMPLACEMENTS, FORT HANCOCK, N. J.

MAY 3, 1901
Scale 1 inch = 20 feet.



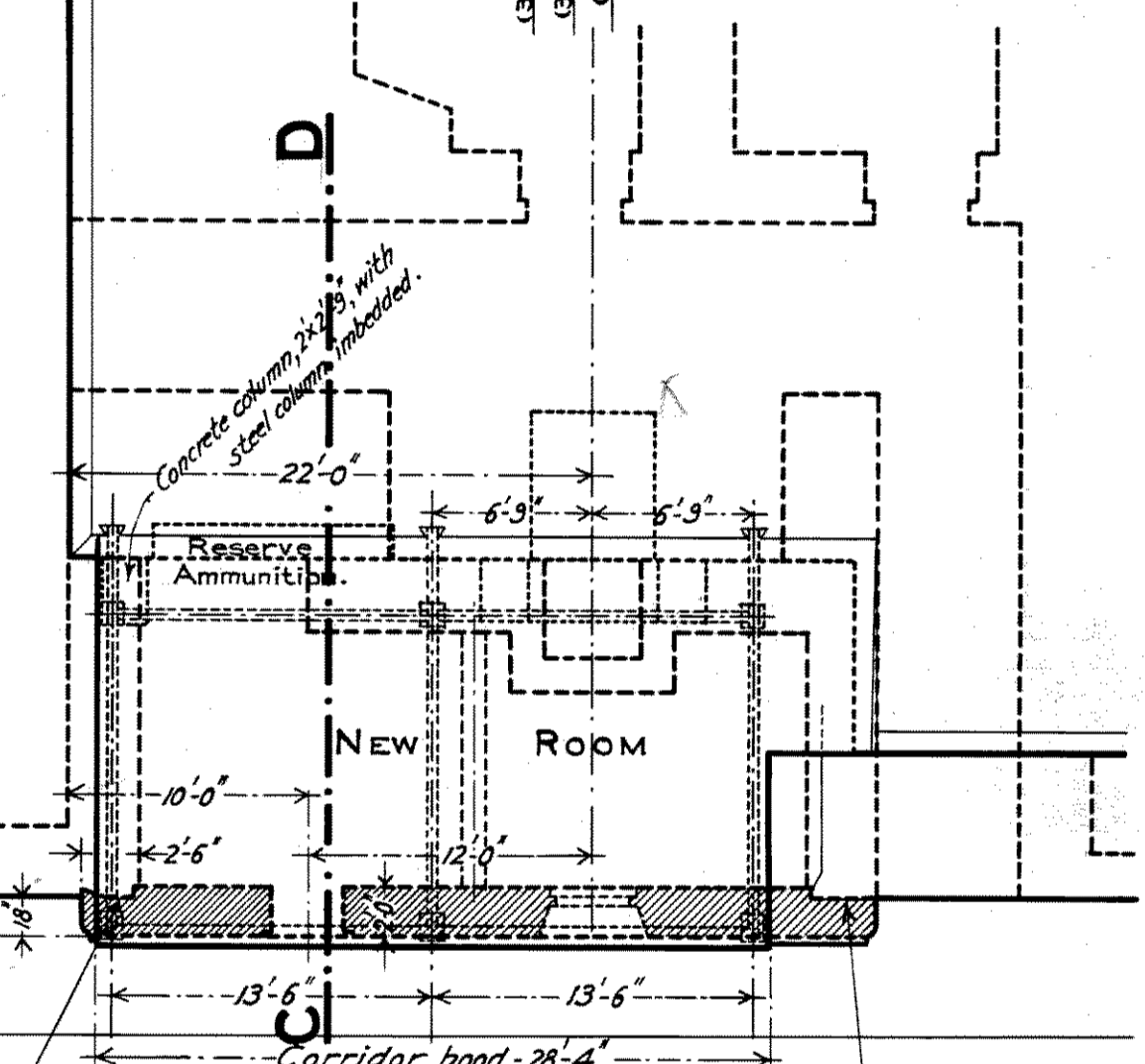
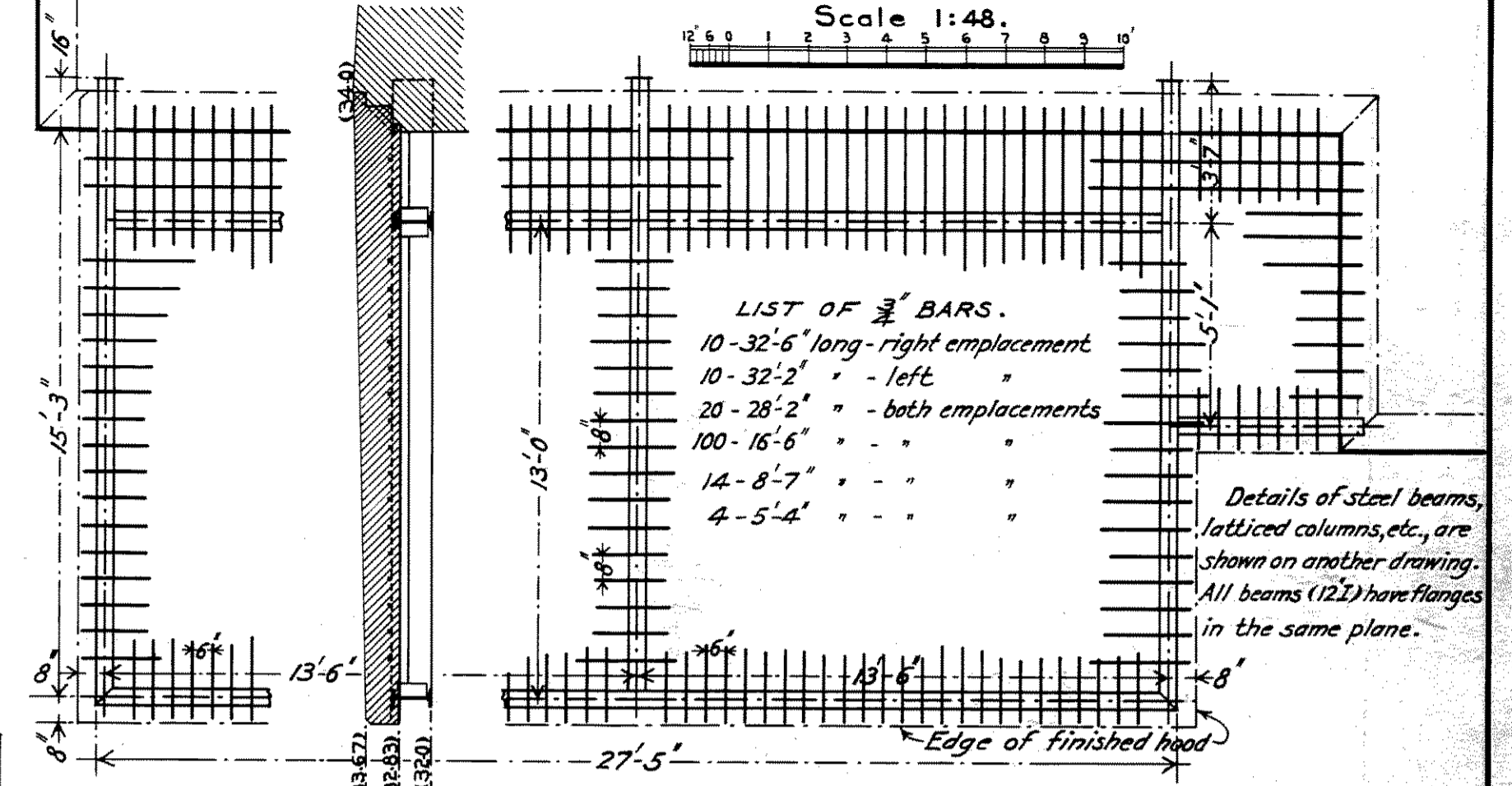


NOTE B.
 exterior concrete stairways are to be removed; also earth embankments
 traverses, with the pavements now resting thereon. Over "new rooms" slab
 will consist of $\frac{1}{2}$ square bars, 6 centers - two sets at right angles.



These emplacements were constructed after the plan (O.C.E. 24902-4)
 forwarded to the Department, April 1, 1898. The battery was transferred
 to the Artillery July 15, 1899. The two twelve-inch rifles are mounted on
 disappearing carriages, model 1896.

FIG. 5. STEEL BEAMS AND BARS FOR HOOD.



NOTE C. Steel dowels, about 20" long and 15" apart, will
 be set to reinforce the bond between new walls and old.

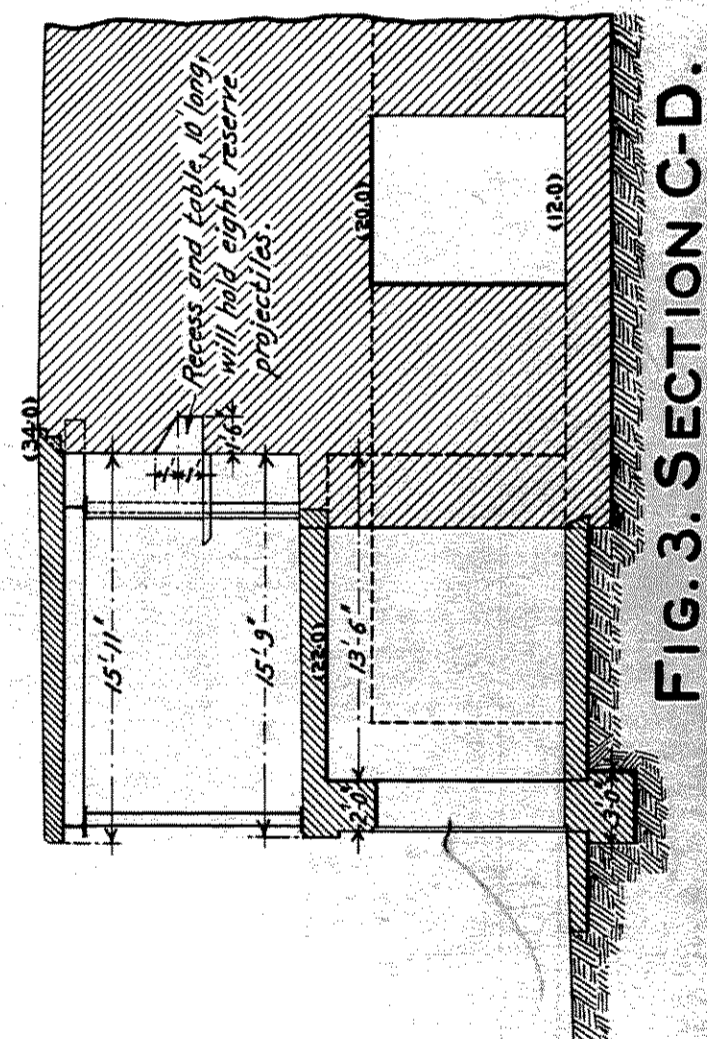
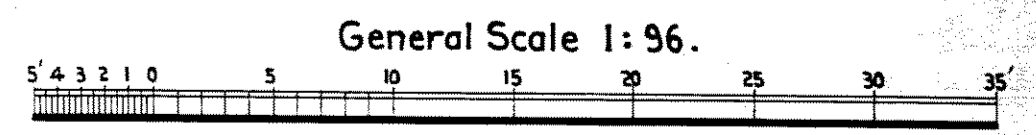


FIG. 3. SECTION C-D.

UNITED STATES ENGINEER OFFICE, DISTRICT NO. 2, NEW YORK.
PLAN FOR MODERNIZING
BATTERY JOSEPH BLOOMFIELD
FORT HANCOCK, NEW JERSEY

Prepared under the direction of
COLONEL S.W. ROESSLER, CORPS OF ENGINEERS, U.S.A.
 1911.



APPROVED
 July 31, 1911.
S. W. Roessler
 Colonel, Corps of Engineers, U.S.A.

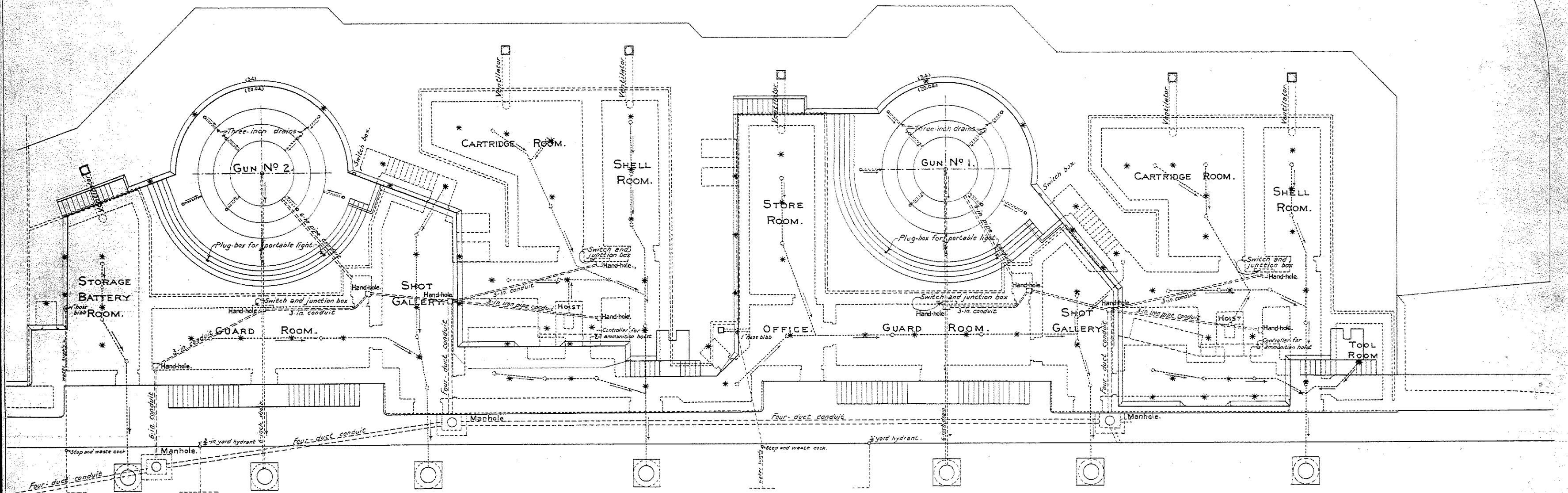
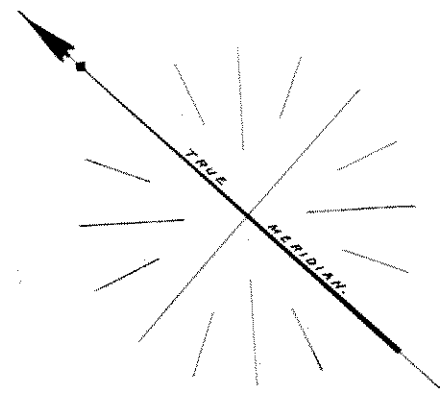
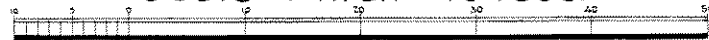
F. VAN BRAKLE - DRAFTSMAN.

Sheet 2082 45-100-29

PLAN SHOWING
DRAINAGE AND ELECTRIC WIRING
EMPLACEMENTS 1 AND 2 OF BATTERY HALLECK
FORT HANCOCK, NEW JERSEY

MARCH 1904.

Scale 1-inch = 10 feet.



INSTRUCTIONS FOR GARRISON.

1. Four-inch drain pipes (---) lead from strainers (S) in rooms to manholes in rear of battery; three-inch drains lead into counterweight wells. A six-inch drain leads from each counterweight well to manhole.
2. Floors are graded to fall towards strainers, which are removable. Arrows show direction of flow in drains.
3. All drain pipes shall be carefully inspected and cleaned at least once a week. Occasionally the pipes should be flushed by means of hose run from hydrants.
4. The rooms and passages and open drains must be swept and all rubbish removed at least once a week; care must be taken that the holes in strainers are kept open and free from dirt; sweepings must be removed to such a place that they will not be carried back by wind or water.
5. Immediately after each rain the earth slopes shall be carefully inspected; any slight tendency to gully or slough shall be at once remedied; any serious gullying shall be at once reported in writing to the Engineer Officer in charge of the district.
6. No person shall be allowed to walk up or down the earth slopes at any time, except when necessary to inspect or repair them.
7. Doors and ventilators should be kept closed (a) generally throughout the winter, unless on days when there is a brisk breeze and clear weather, with the temperature well above the mean annual temperature; (b) in still or calm weather; (c) when the air is filled with fog or mist; (d) generally, at night and after 2 P.M.
8. Doors and ventilators should be opened (a) whenever there is a wind exceeding 5 miles an hour blowing across the battery and the temperature is above mean annual temperature, with no fog, mist or rain accompanying; (b) between daylight and noon on clear days, when there is an appreciable movement in the air and the temperature is not too low; (c) all of every day in summer when air is not unusually moist and temperature of wells is sufficiently raised.
9. Two duplex cables, each 250,000 c.m., supply current for lights and motors respectively. Branches of the light cable lead from manholes through hand-holes in floor to switch and junction boxes built in side walls, also through counterweight wells to switch-boxes on gun platforms. Branches of the motor cable lead from manholes through hand-holes in floor to controllers for ammunition hoists, also to motor-generator equipment in rooms under loading platforms.
10. Each light (*) in rooms on lower level has a separate cable from junction box, laid in an overhead conduit of sheet-iron pipe. Lights on life platforms and those in telephone booths have cables from adjacent switch and junction boxes; plug-boxes for portable lights are supplied in the same way. Lights on walls of gun platforms and loading platforms are fed by armored cables from switch boxes.

Office Chief of Engineers,
U.S. Army,

March 15, 1904.

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

Mackenzie

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

War Department,
March 17, 1904.

Approved.

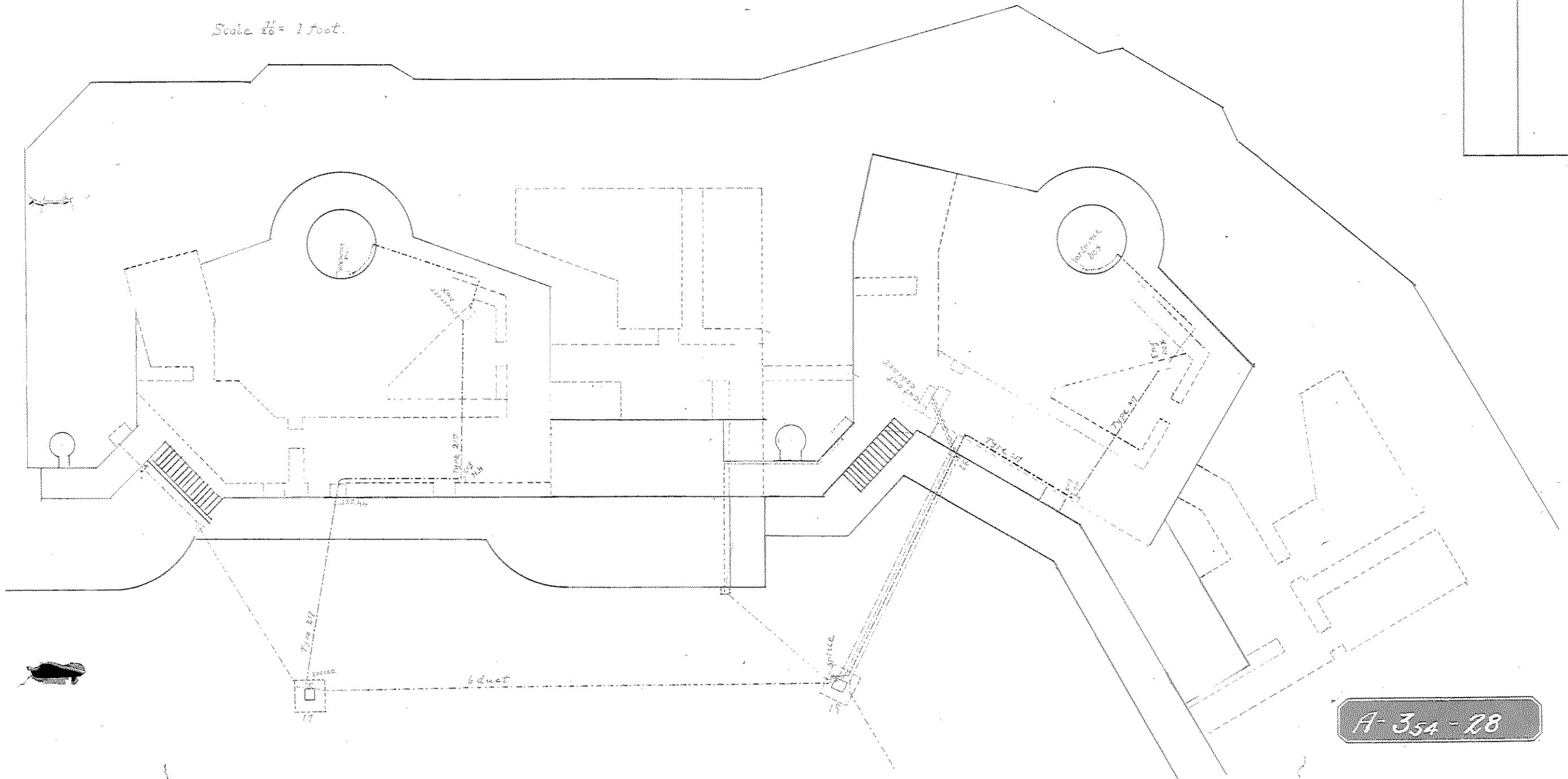
W. B. Mess
Secretary of War.

BATTERY CABLING

BATTERY ALEXANDER

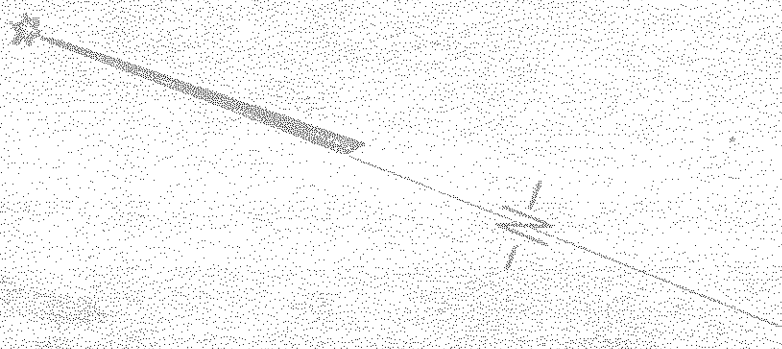
FORT HANCOCK, N.J.

Scale $\frac{1}{8}'' = 1 \text{ foot}$.



| | |
|----------|-------------|
| Date | H. S. Brink |
| Drawn by | H. S. Brink |
| Checked | |
| OK | |
| Approved | |
| | Reviewed |

A-354-28



40MM GUN

TOPOGRAPHICAL DRAWING SHOWING PROPOSED LOCATION OF MOBILE 90MM GUNS AT BTRY #8

SCALE 1"=100 FT.

Surveyed by PFC Schugler & PFC Earleg - 5 Oct 1944
Drawn By PFC McCloskey - 10 Oct 1944

PROPOSED LOCATION
MOBILE GUN #1

BTRY #8

PROPOSED LOCATION
MOBILE GUN #2

BTRY
MORRIS

NORTH BRIDGE DRIVE

40MM GUN

FIXED GUN #1

FIXED GUN #2

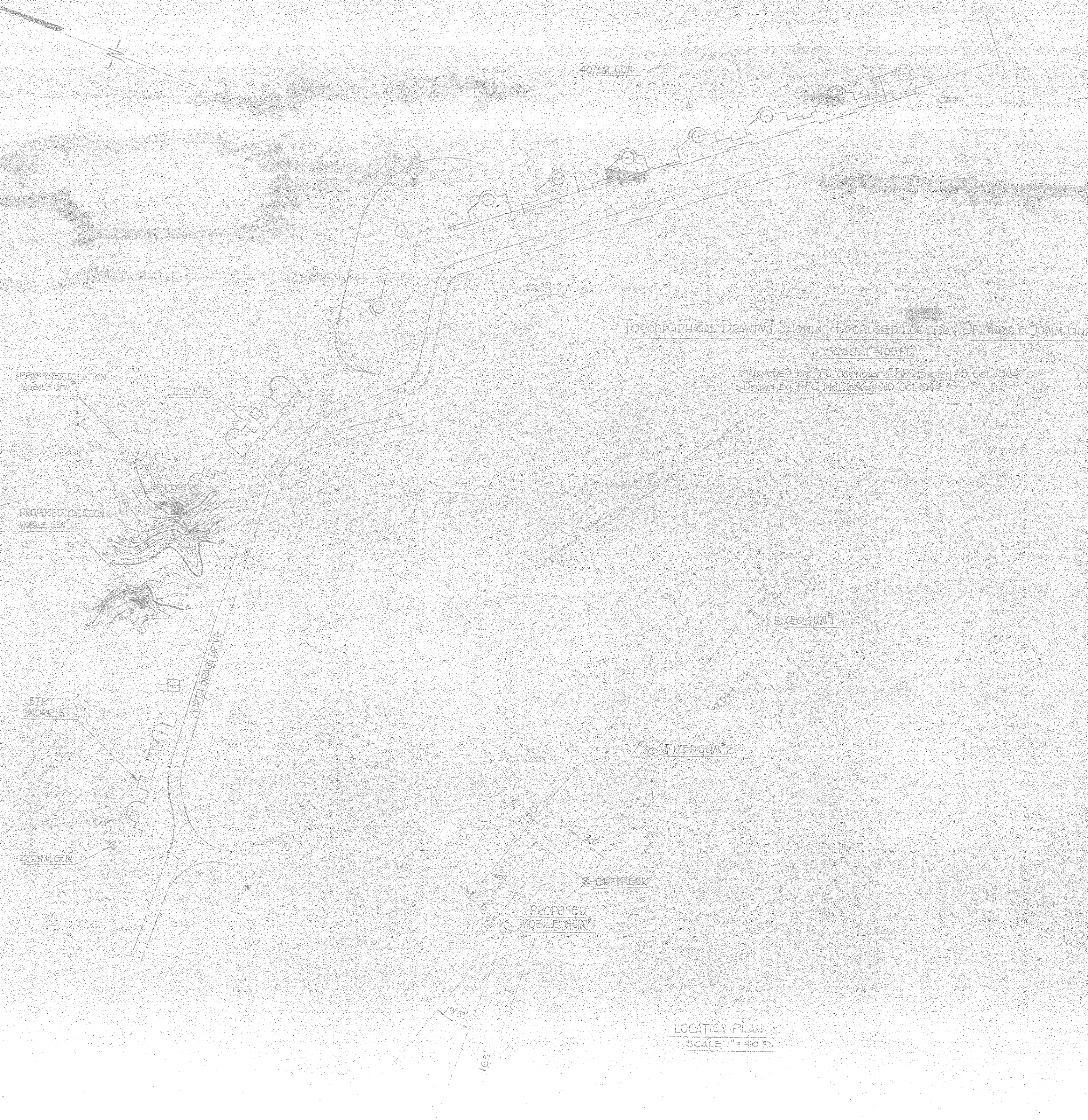
CRF PECK

PROPOSED
MOBILE GUN #1

LOCATION PLAN

SCALE 1"=40 FT.

PROPOSED
MOBILE GUN #2



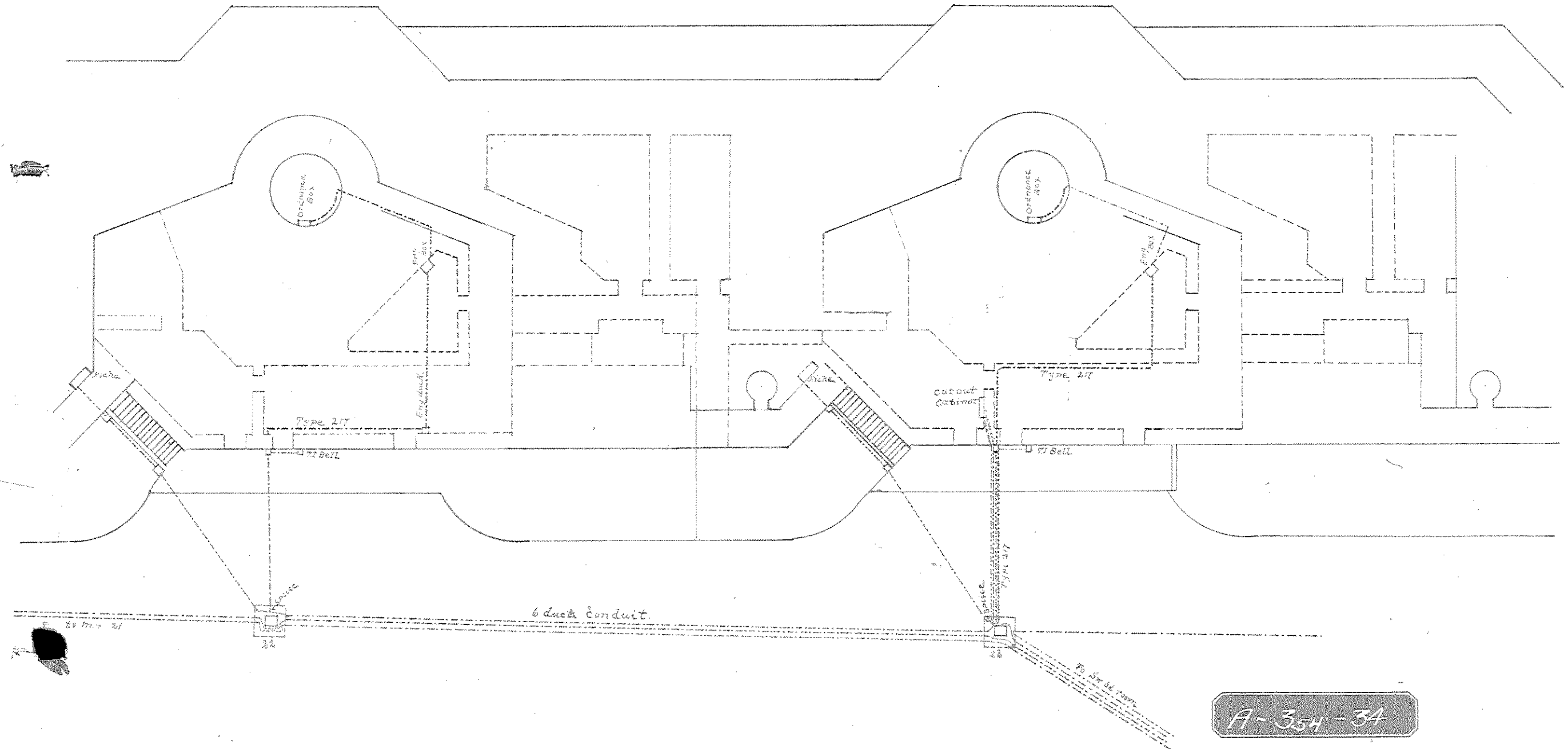
BATTERY CABLING

BATTERY BLOOMFIELD

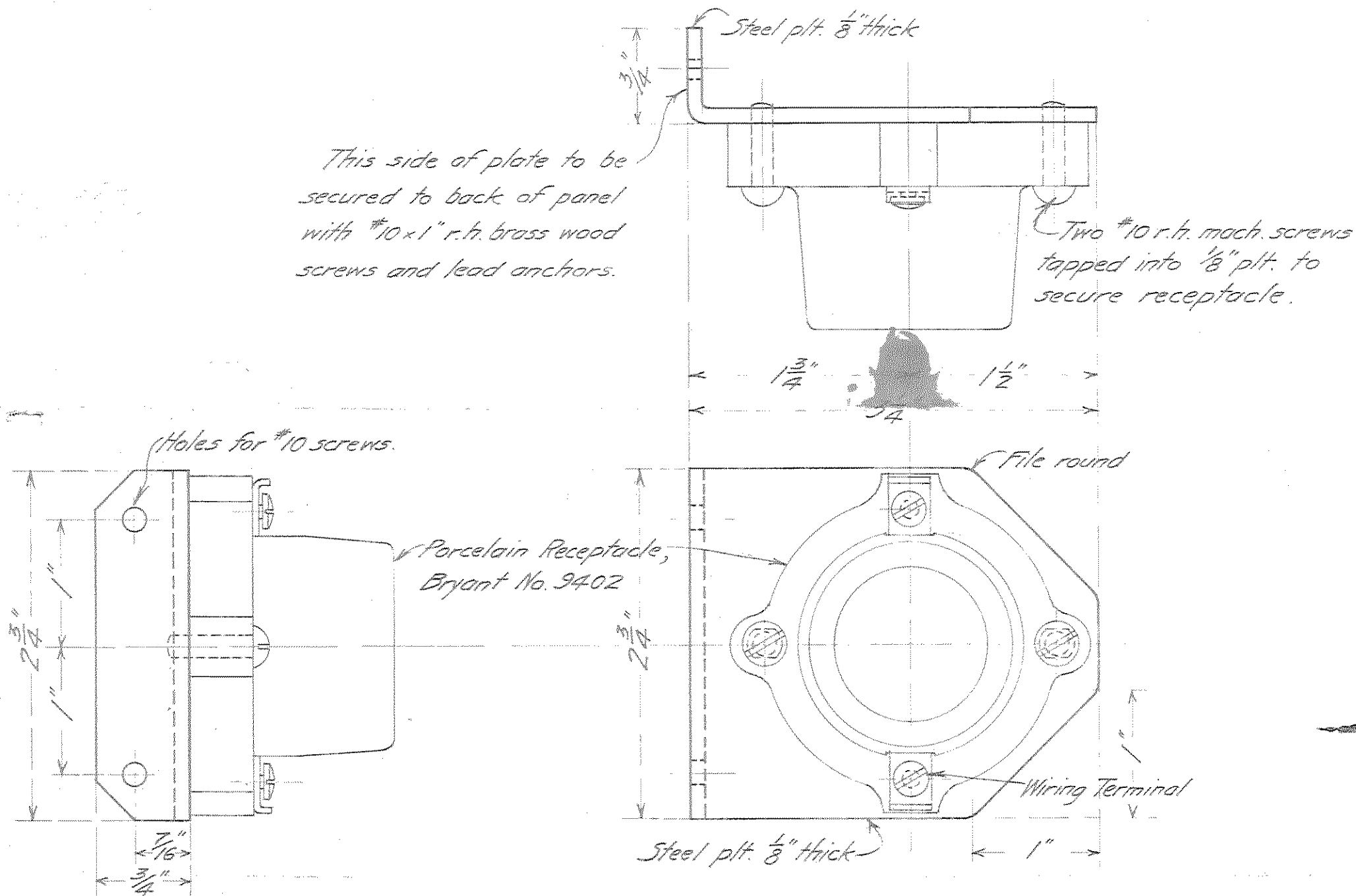
FORT HANCOCK, N.J.

Scale 1/8" = 1 foot.

| | |
|----------|------------|
| Data | H.S. Brink |
| Drawn by | H.S. Brink |
| Checked | |
| OK | |
| Approved | |
| Revised | |



A-354-3A



*PLATE AND RECEPTACLE
FOR SIGNAL LIGHTS ON
BLOOMFIELD DISTRIBUTION PANEL
Full Size*

The light is placed on back of panel and shows in a 1" diam. hole drilled through the panel, and is across the circuit on which the signal is to appear.

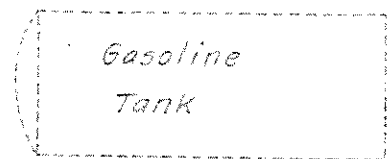
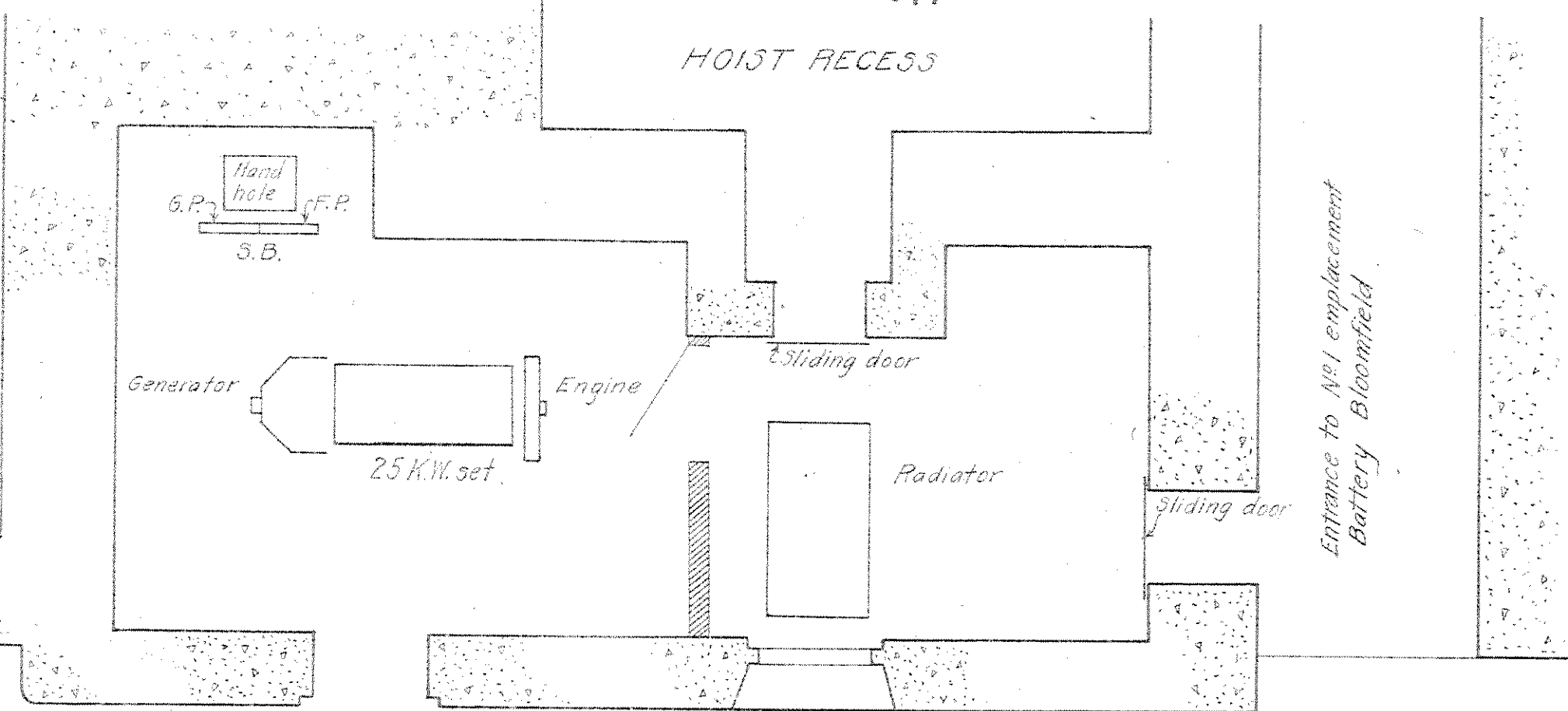
*TWO SHEETS - SHEET 1
(Sheet 2 - Elevation of Panel Board.)*

A-87-2

10/11/16

No. 1

HOIST RECESS

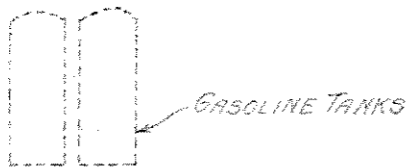
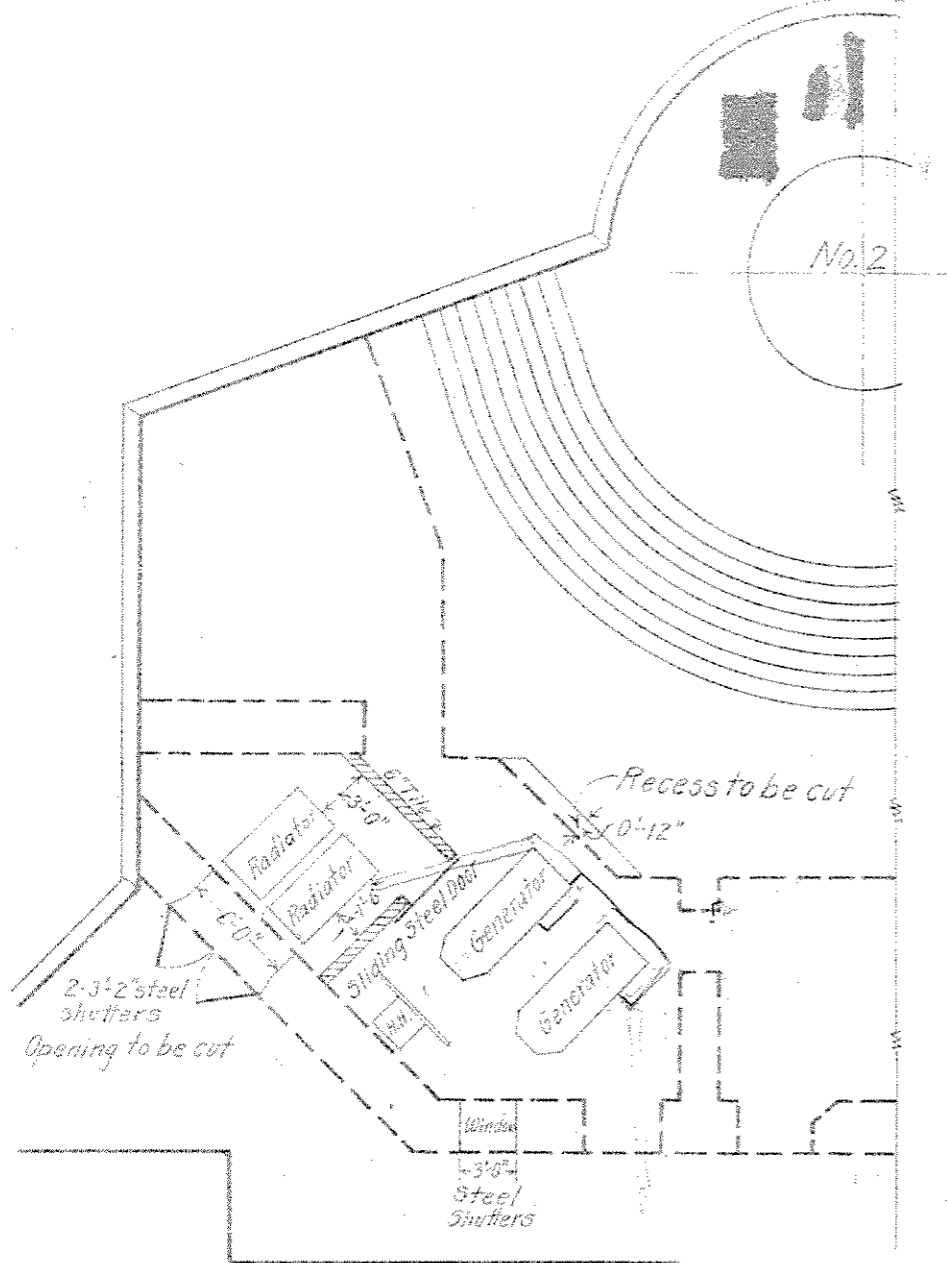


NOTE: This room ready to receive 1 K.W. set.
Feeder Panel & concrete bases now installed.
1 Generator Panel to be furnished and installed.

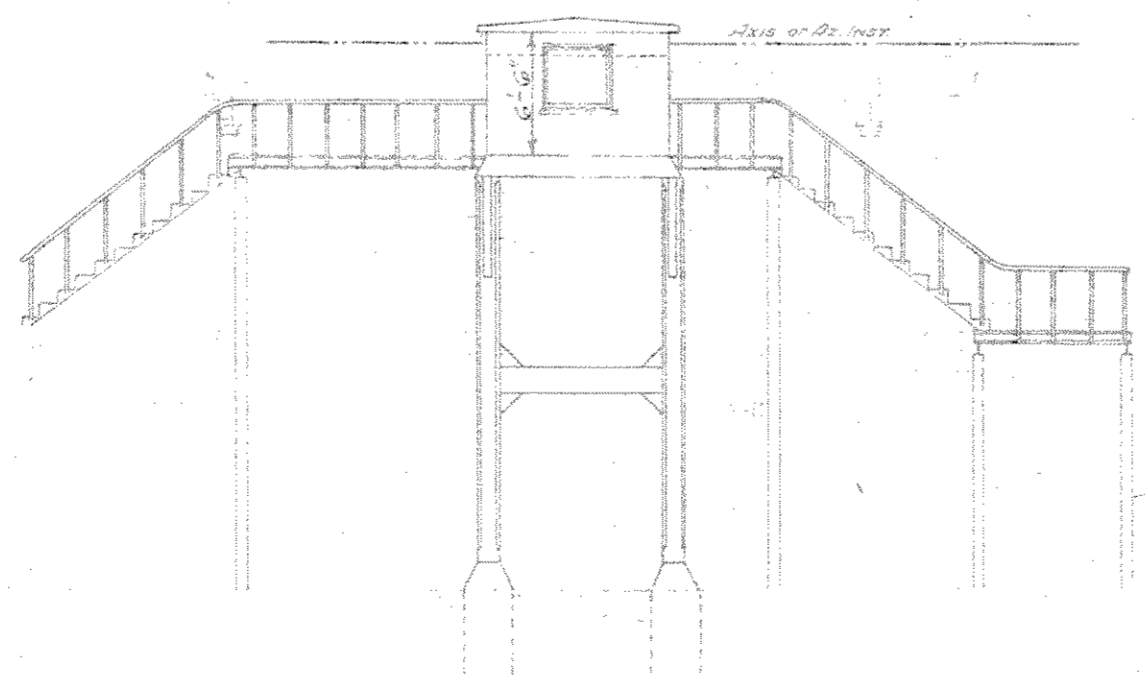
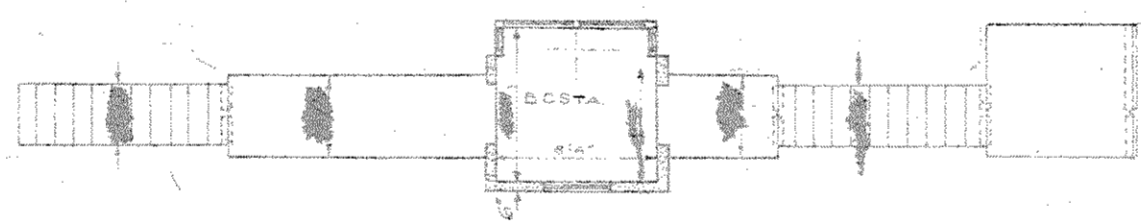
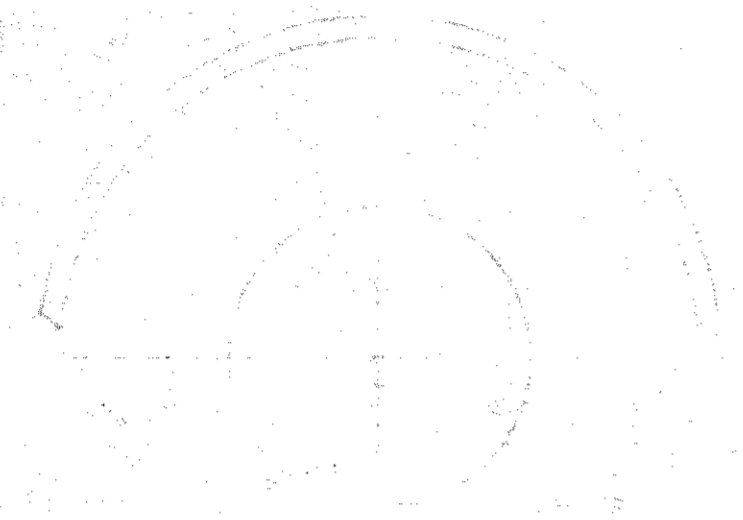
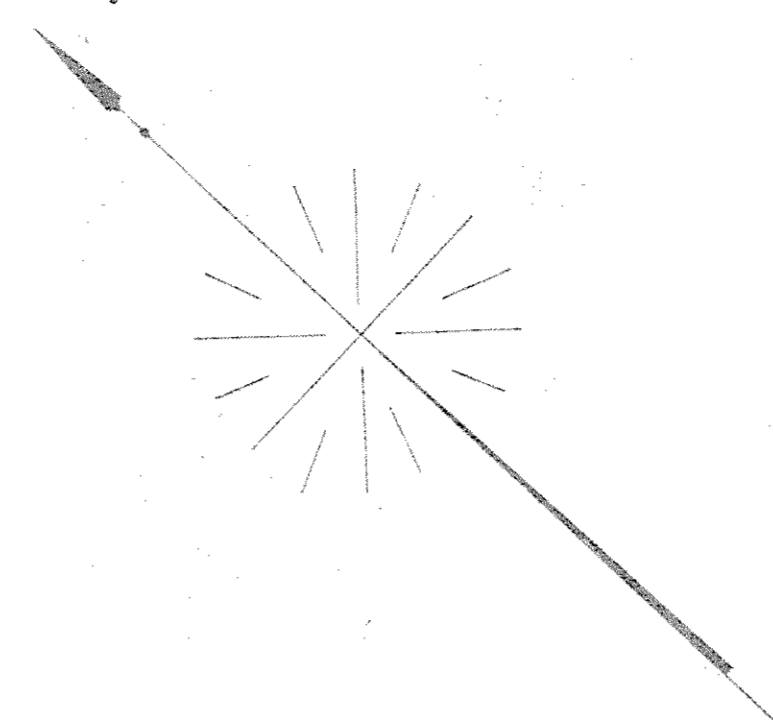
FORT HANCOCK, N.J.
PROPOSED INSTALLATION OF 25 K.W. GASOLINE-ELECTRIC SETS.
BATTERIES
BLOOMFIELD & RICHARDSON.

U.S. ENGINEER OFFICE, 2ND DISTRICT, N. Y. CITY
 SCALE 1/4" = 1'-0"
 DRAWN BY A.V.G.
 TRACED BY A.V.G.
 CHECKED BY *J. W. [unclear]*
 APPROVED:
W. [unclear]
 COL. CORPS OF ENGRS. U.S.A.
 TRANSMITTED WITH REPORT
 DATED OCTOBER 15, 1919

A-87-20



FORT HANCOCK, N.J.
PROPOSED INSTALLATION OF 25 K.W.
GASOLINE-ELECTRIC SETS.
BATTERIES
BLOOMFIELD & RICHARDSON
 U.S. ENGINEER OFFICE, 2ND DISTRICT, N.Y. CITY.
 SCALE 1"=10'-0"
 DRAWN BY A.V.G.
 TRACED BY A.V.G.
 CHECKED BY *[Signature]*
 APPROVED: *[Signature]*
 COL. CORPS OF ENGRS. U.S.A.
 TRANSMITTED WITH REPORT
 DATED OCTOBER 15, 1919



FORT HANCOCK, N. J.
B. C. STATION
 FOR
BATTERY JOSEPH BLOOMFIELD

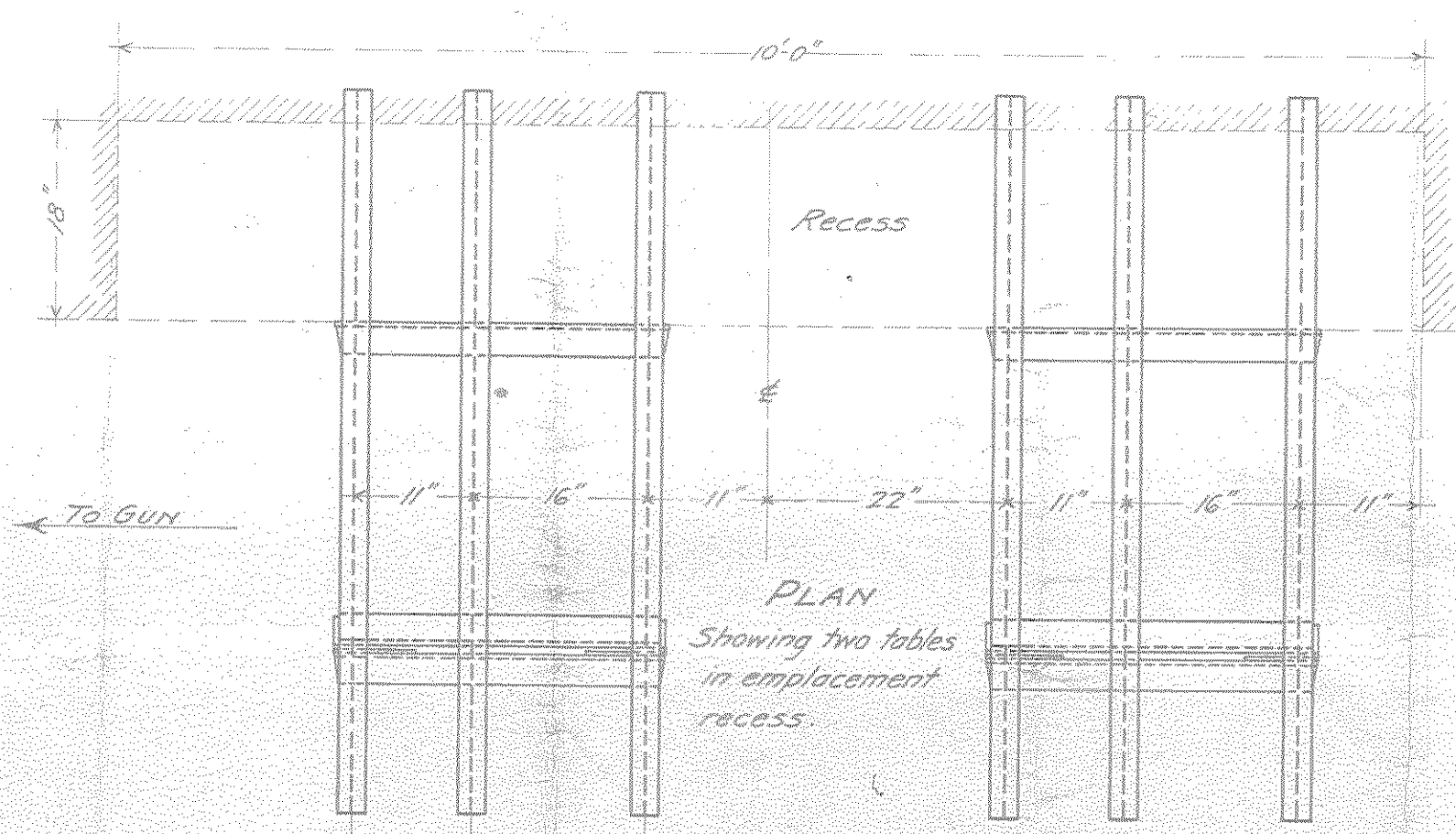
11-SHEETS SHEET-3 SCALE: 1"=10 FT.
 U.S. ENGINEERS OFFICE, SECOND DISTRICT, NEW YORK CITY, N. Y.

SUBMITTED BY: *Blarman* APPROVED: *[Signature]*
 IN CHARGE

Drawn By: *[Signature]* Checked: *[Signature]*
 Traced By: *[Signature]*
 Checked: *[Signature]*

IN REPLY TO SECOND DISTRICT CASE NO. 1000
 TO ACCOMPANY REPORT HANCOCK 1798 JULY 14 1918

4-3-5-4-#47



PLAN
Showing two tables
in emplacement
recess.

Scale $\frac{3}{4}''=1'$

Web and bottom flange
cut away and top flange
bent down close.

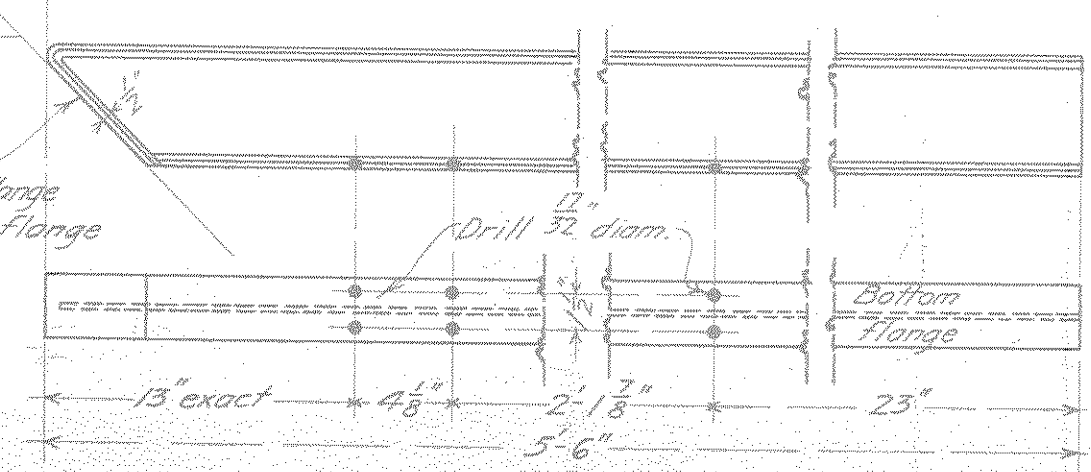
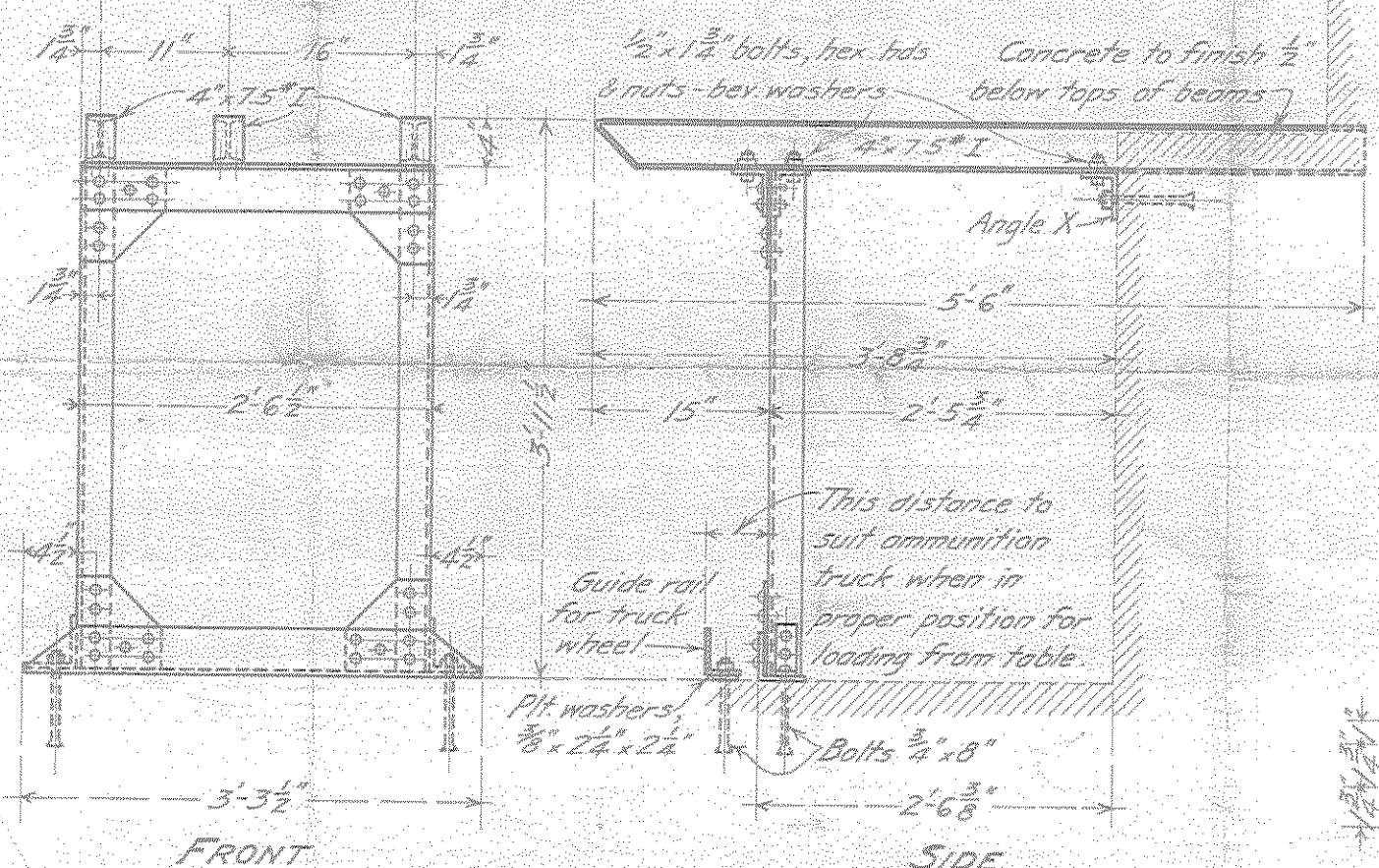


TABLE RAILS
4" x 7.5" I-bms.
Twelve wanted.

Scale 1:8



FRONT

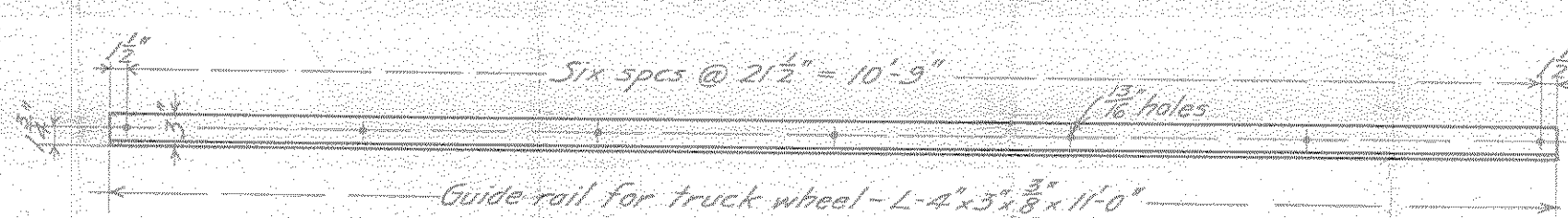
SIDE

This distance to
suit ammunition
truck when in
proper position for
loading from table.

Guide rail
for truck
wheel

Plt. washers,
3/8" x 2 1/4" x 2 1/4"

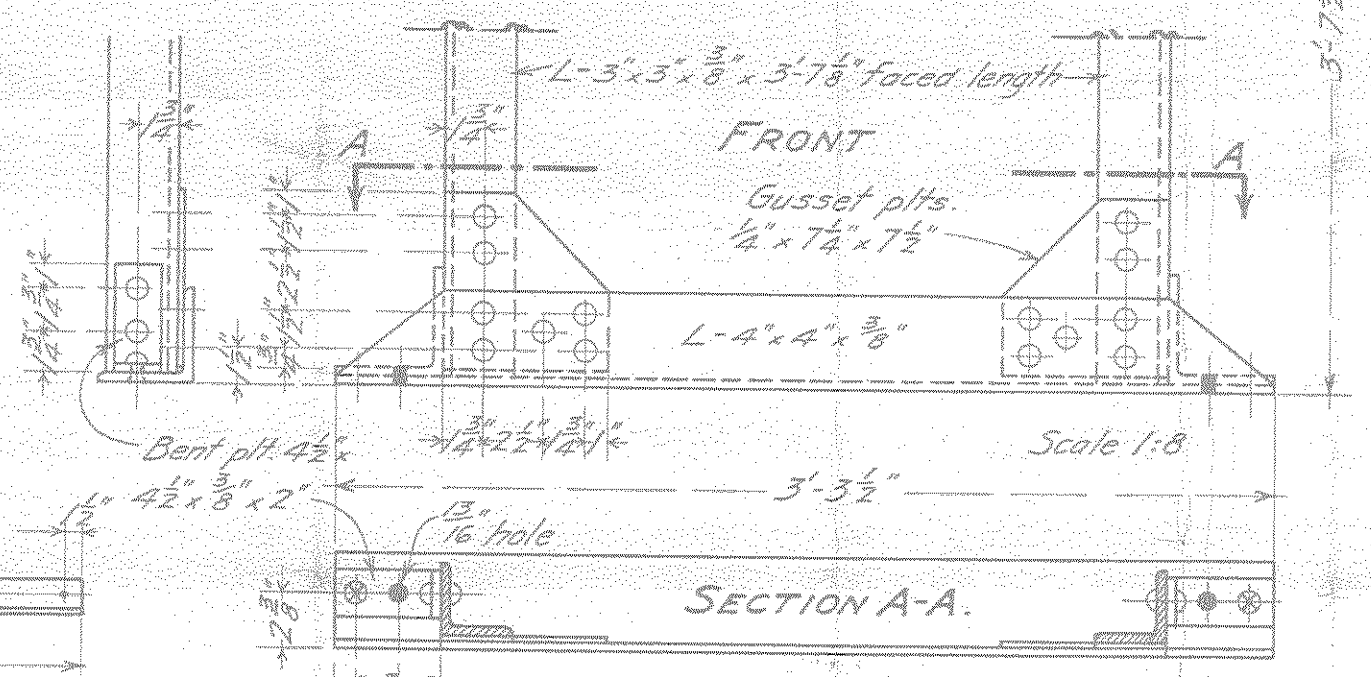
Bolts $\frac{3}{4}'' \times 8''$



Guide rail for truck wheel - L-4" x 3" x 3/8" x 11'-0"

Two wanted
One for each emplacement.

Scale $\frac{3}{4}''=1'$

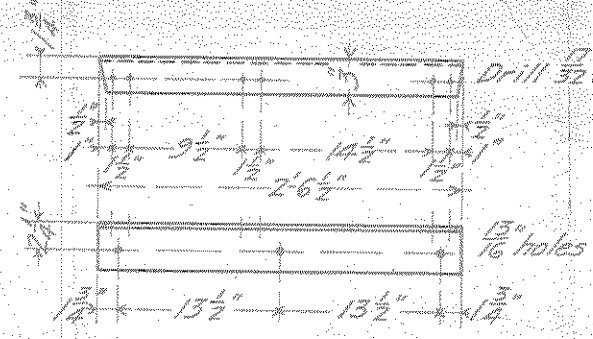


FRONT

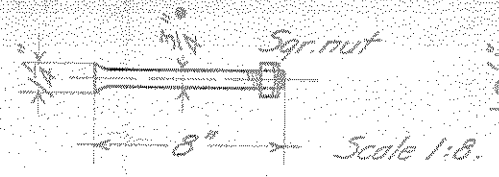
SECTION A-A.

FRAME
Four wanted
Two for each emplacement.

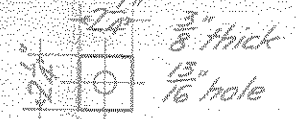
Scale 1:8



INNER ANGLE X
L-4" x 3" x 3/8"
Four wanted.



ANCHOR BOLT
34 wanted.



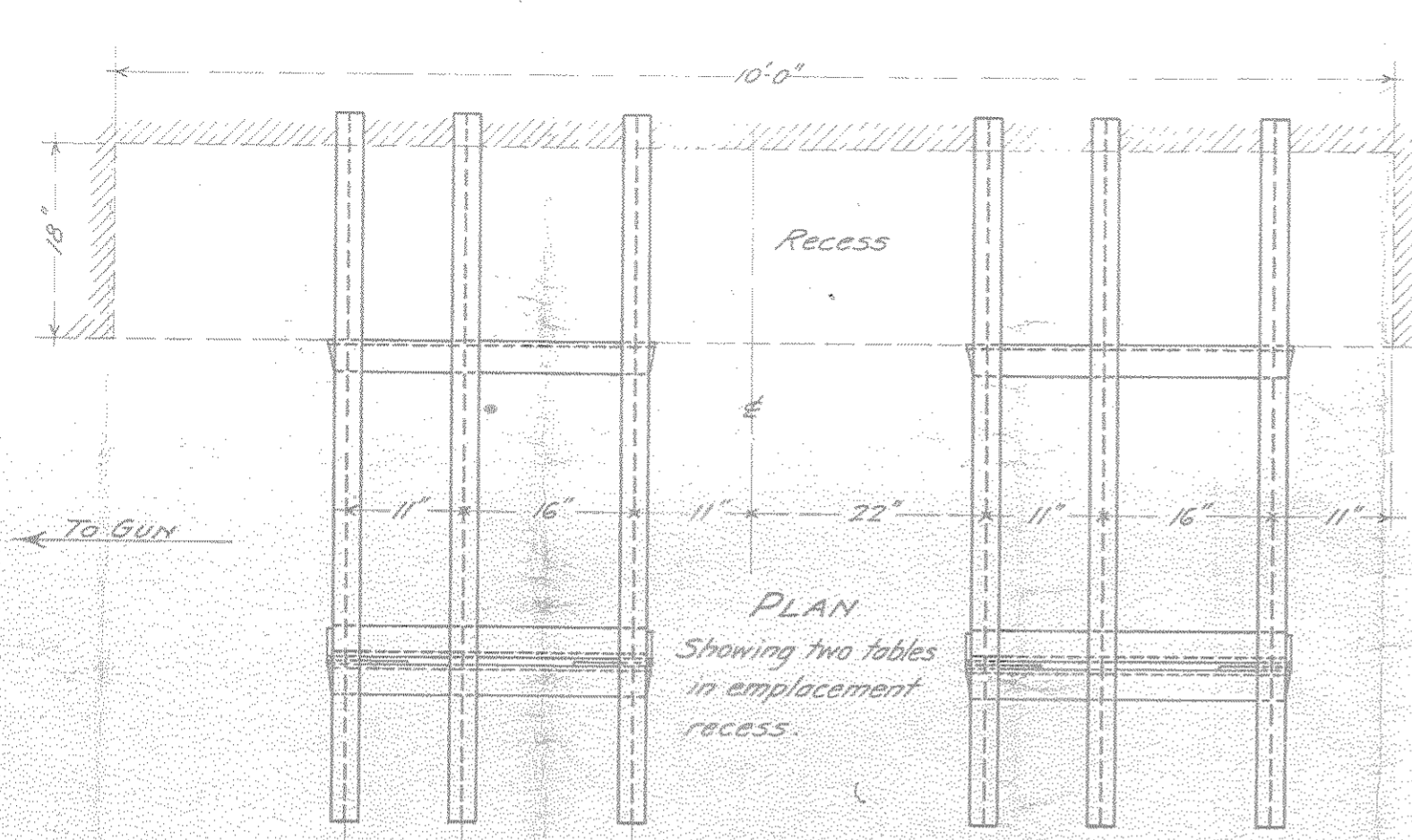
PLT. WASHER
14 wanted.

Furnish: 72 bolts $\frac{1}{2}'' \times 1 \frac{3}{4}''$, hex head & nut
72 bev. washers for above.

TABLES FOR RESERVE PROJECTILES
BATTERY JOSEPH BLOOMFIELD
FORT HANCOCK, N.J.

Scale as noted.

To accompany specifications dated February 17, 1913.



PLAN
Showing two tables
in emplacement
recess.

Scale $\frac{3}{4}''=1'$

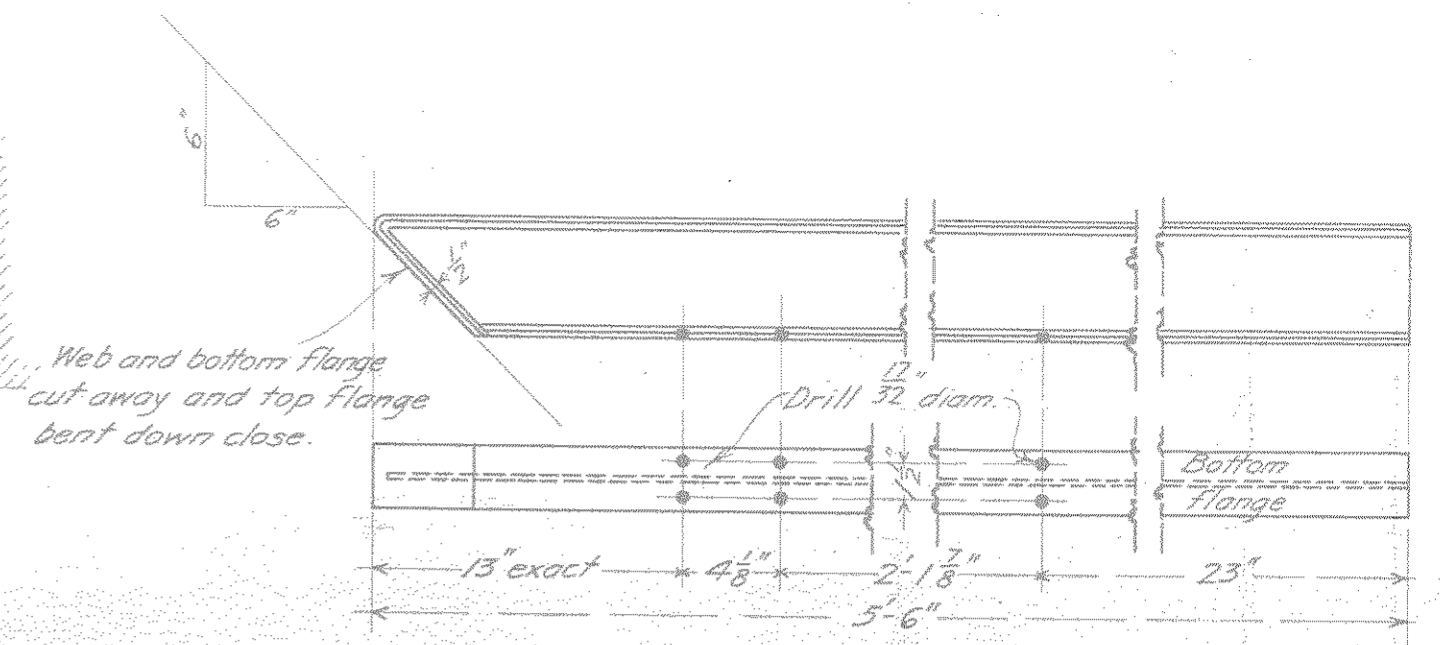
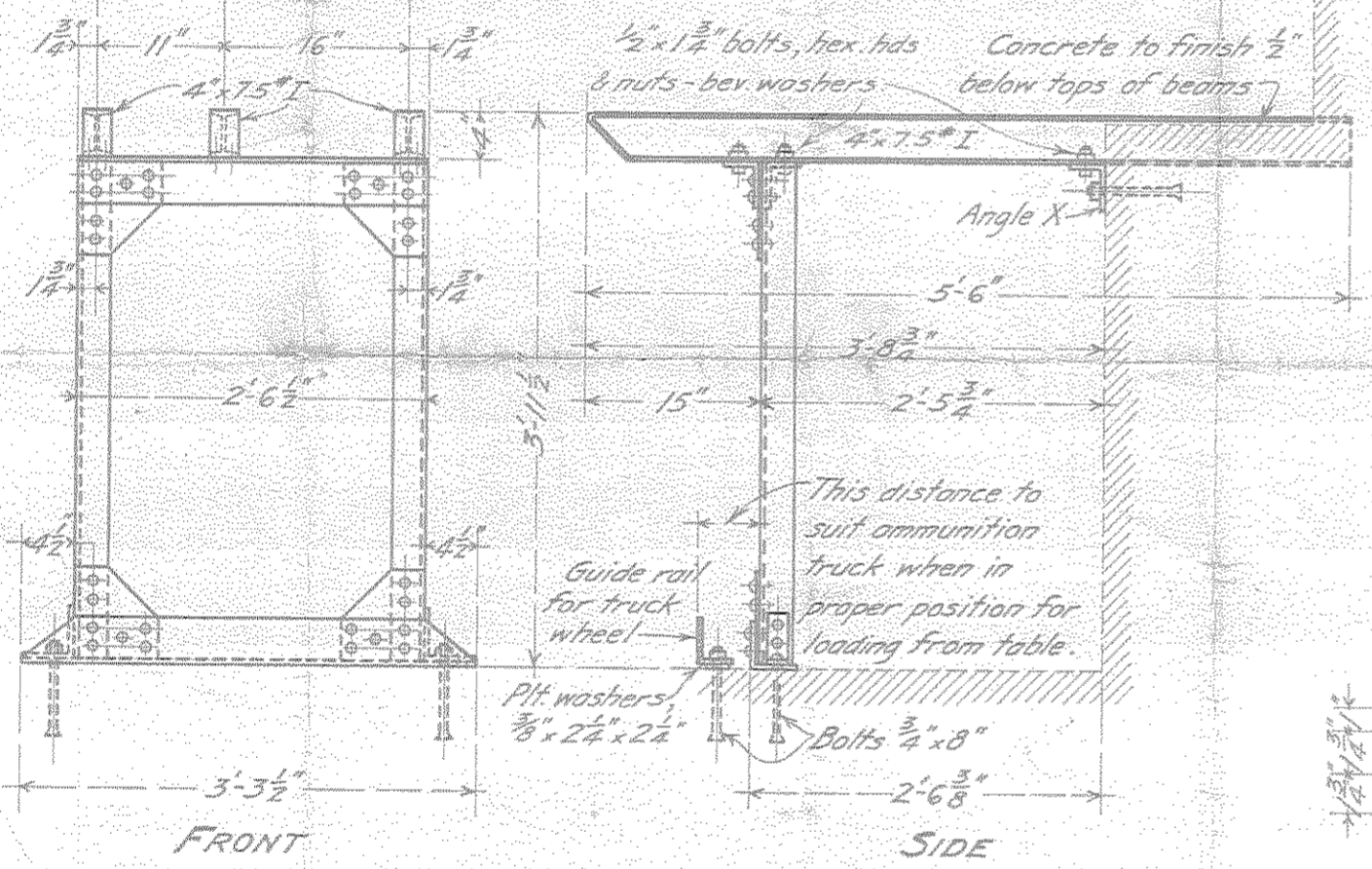


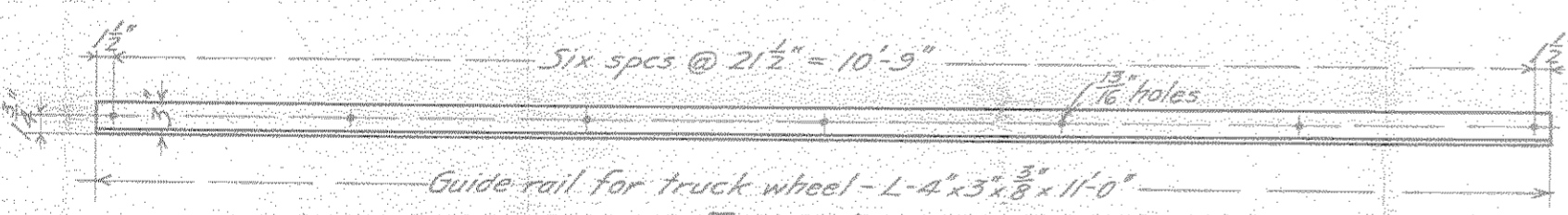
TABLE RAILS
4" x 7.5" I-beams.
Twelve wanted.

Scale 1:8



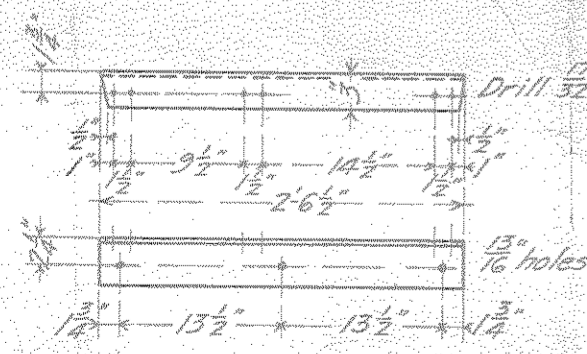
FRONT

SIDE

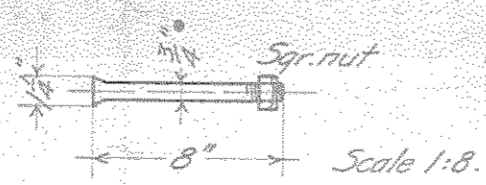


Scale $\frac{3}{4}''=1'$

Two wanted
One for each emplacement.



INNER ANGLE X
L-4" x 3" x 3/8"
Four wanted.

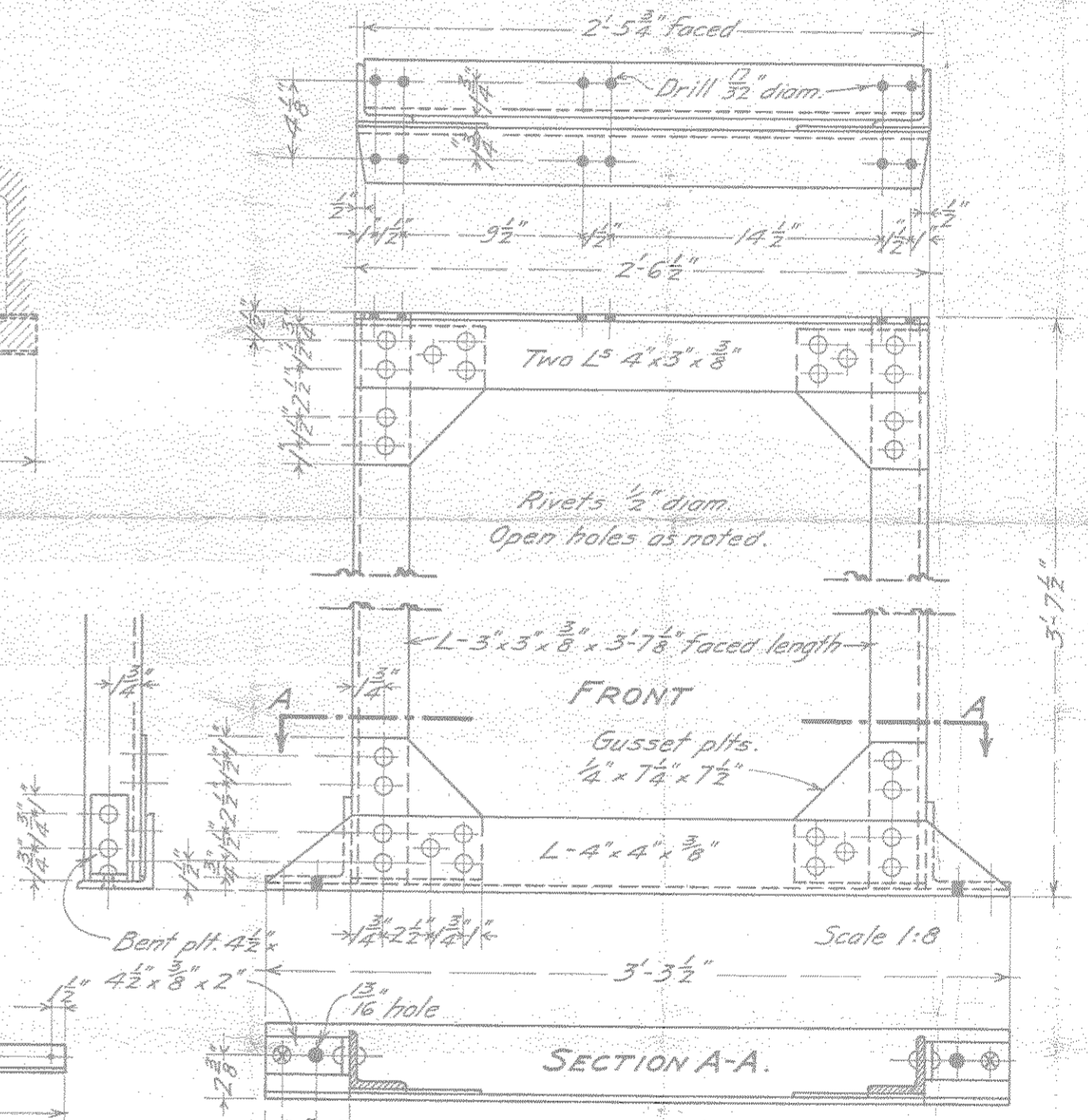


ANCHOR BOLT
34 wanted.



PLT. WASHER
14 wanted.

Furnish: 72 bolts $\frac{1}{2}$ " x $\frac{3}{4}$ " hex head & nut
72 bev. washers for above.



FRONT

SECTION A-A.

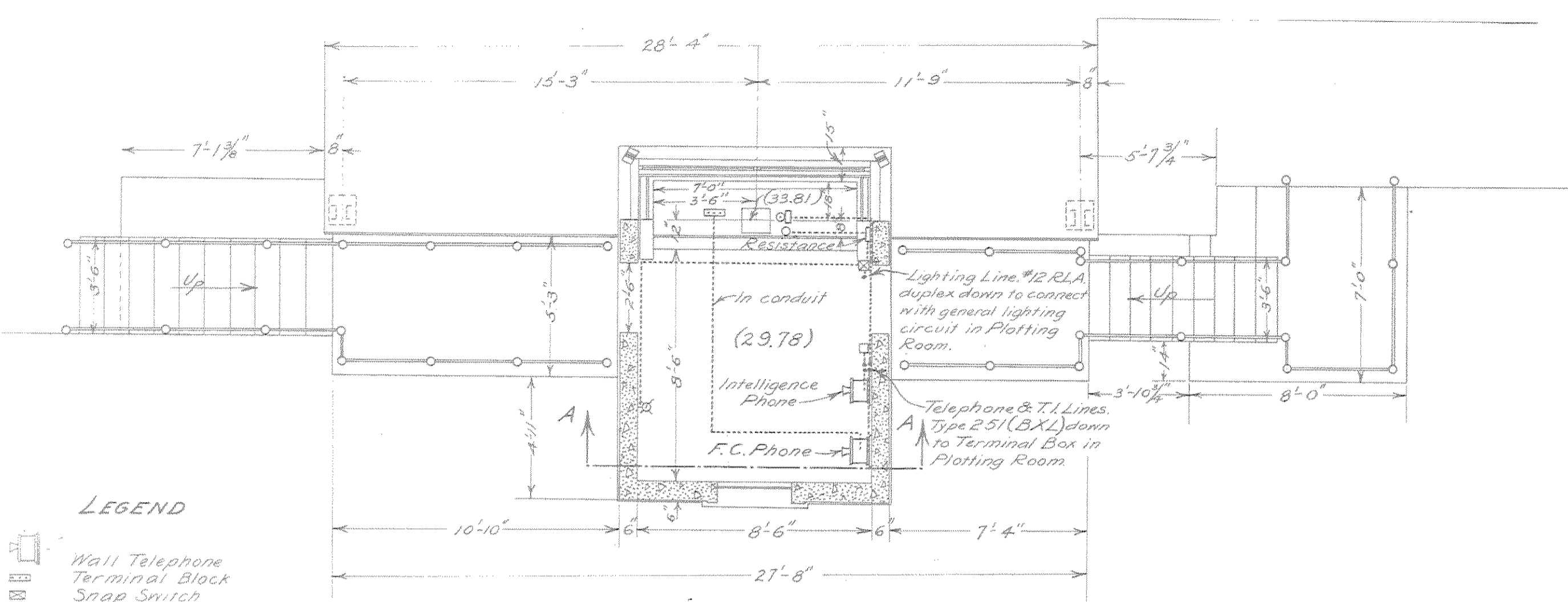
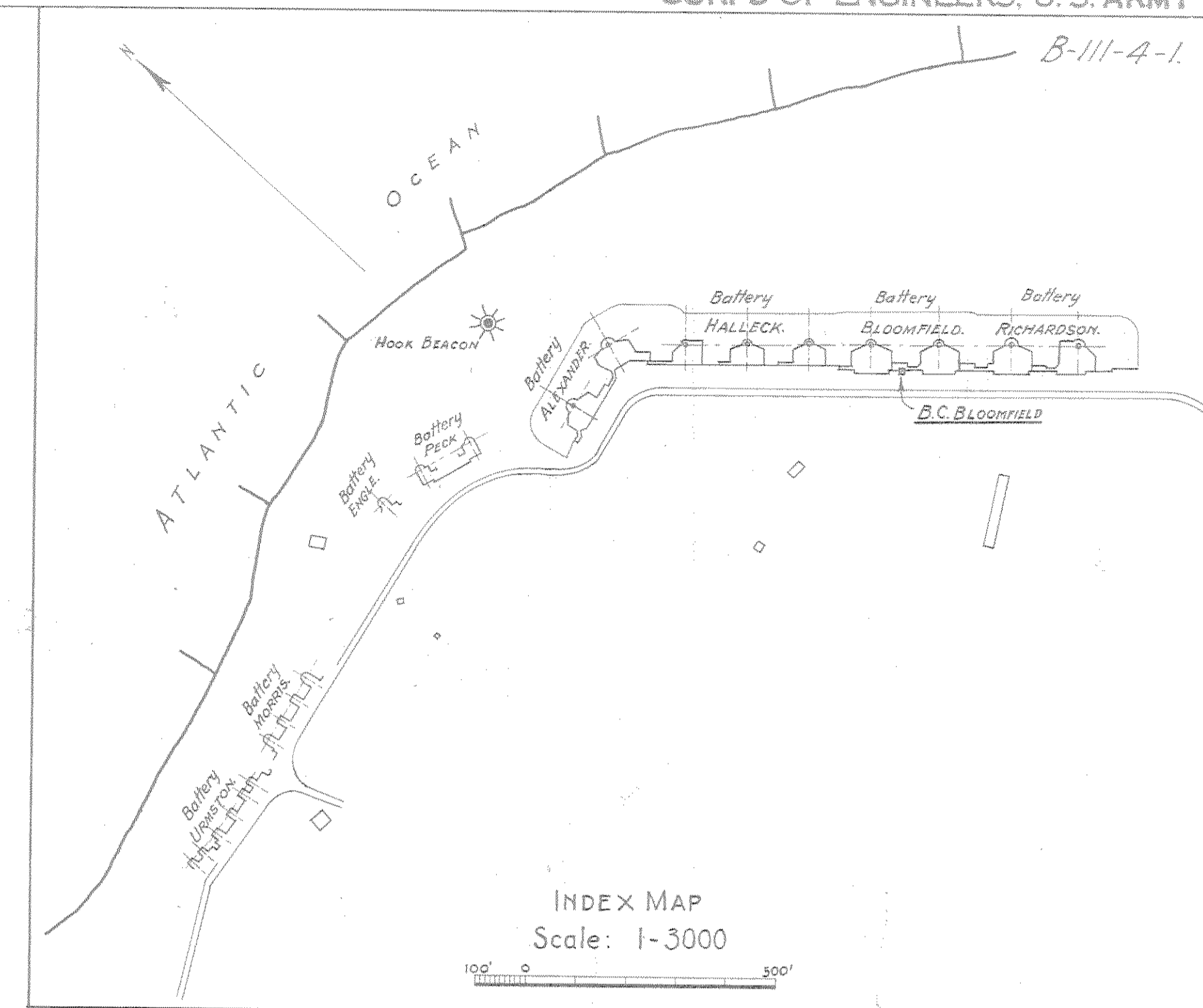
FRAME

Four wanted
Two for each emplacement.

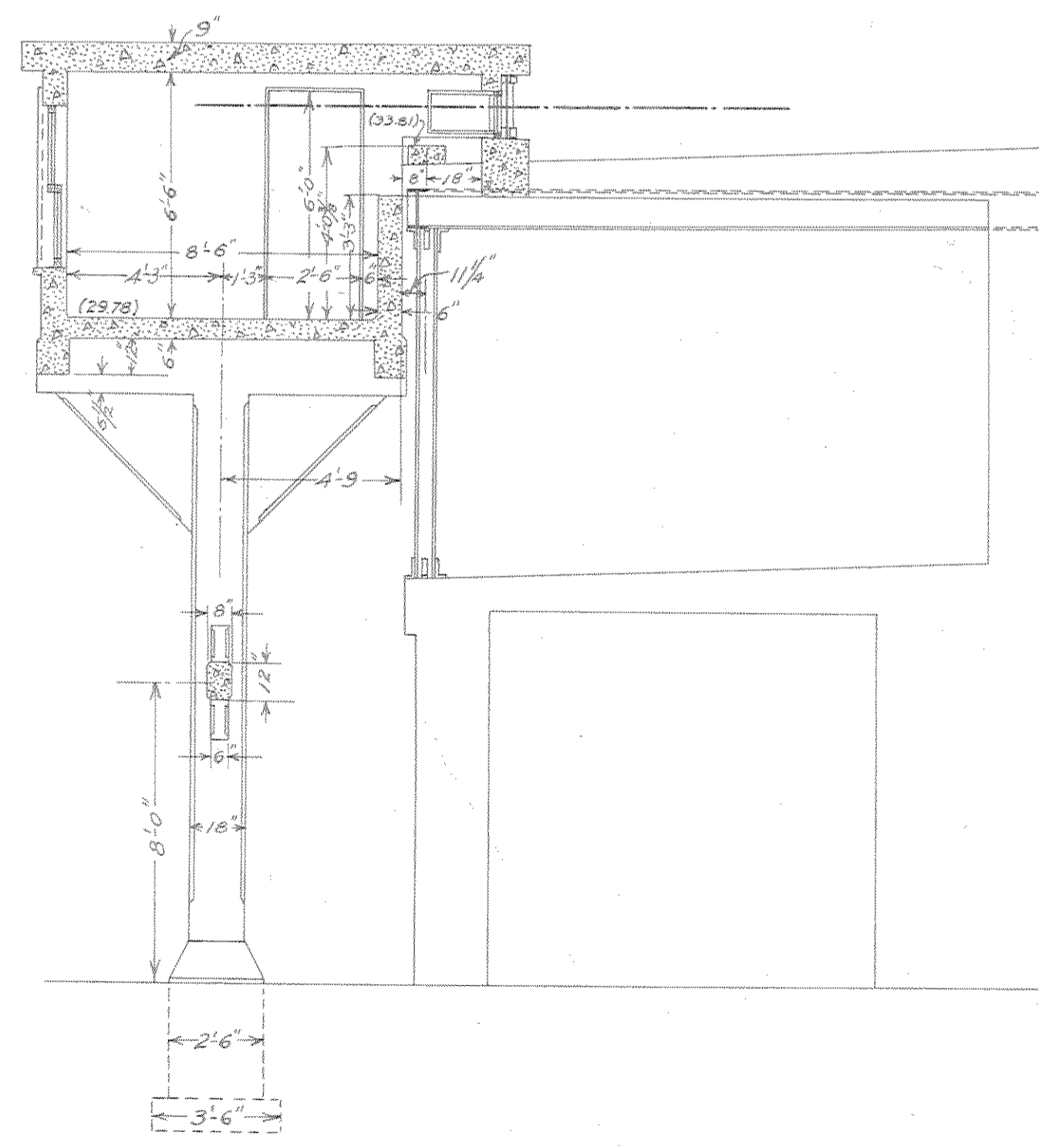
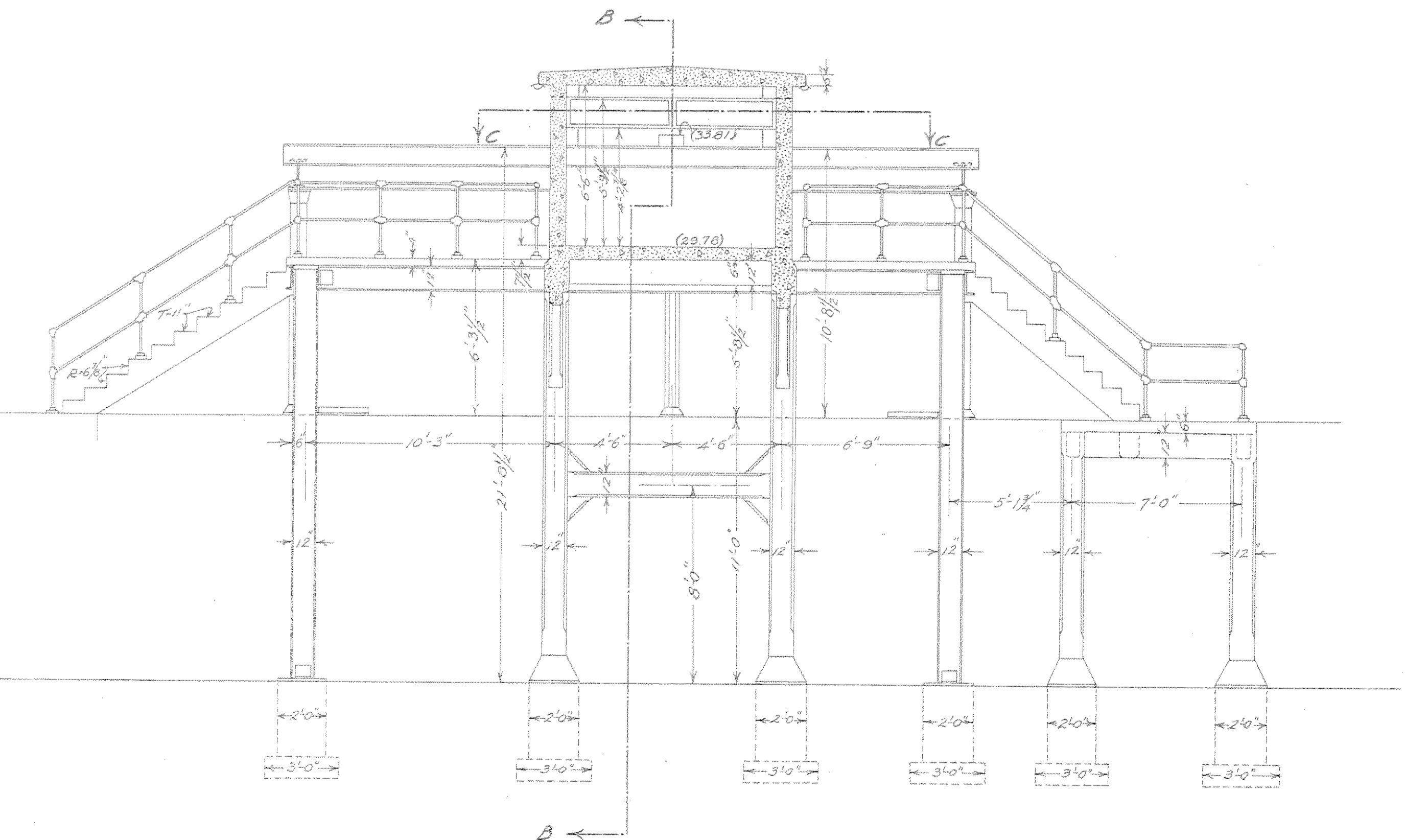
TABLES FOR RESERVE PROJECTILES
BATTERY JOSEPH BLOOMFIELD
FORT HANCOCK, N.J.
Scale as noted.

To accompany specifications dated February 17, 1913.

B-111-4-1



- LEGEND**
- Wall Telephone
 - Terminal Block
 - Snap Switch
 - Plug-in for Illuminating Instrument Cross-hairs
 - Side-wall Fixture (One Lamp)
 - Strap Key
 - Time Interval Bell



Approved by C. of E. under 2nd ind.
dated June 7, 1921; file C. of E. 665 (SH) F102.

COAST DEFENSES OF SANDY HOOK
BATTERY COMMANDER STATION-BATTERY BLOOMFIELD
FORT HANCOCK, N. J.

ONE SHEET SCALE 1/4" IN. = 1 FT.

United States Engineer Office, Third District, New York City, May 31, 1921.

Submitted: *H. W. ...* Assistant Engineer
Approval Recommended: *E. J. ...* Colonel, Corps of Engineers.

Drawn by: *F.W. ...* M.S., B.S.
Traced by: *L.S.*
Checked by: *J.P.* File No. *Han. 1/4132*
Transmitted with Letter dated May 31, 1921.

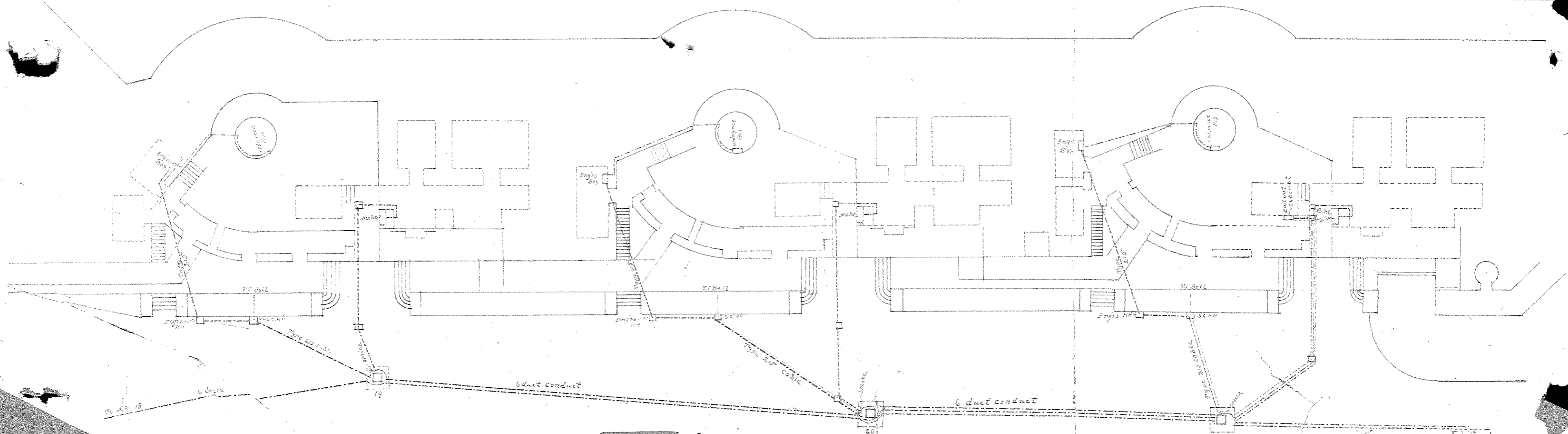
BATTERY CABLING

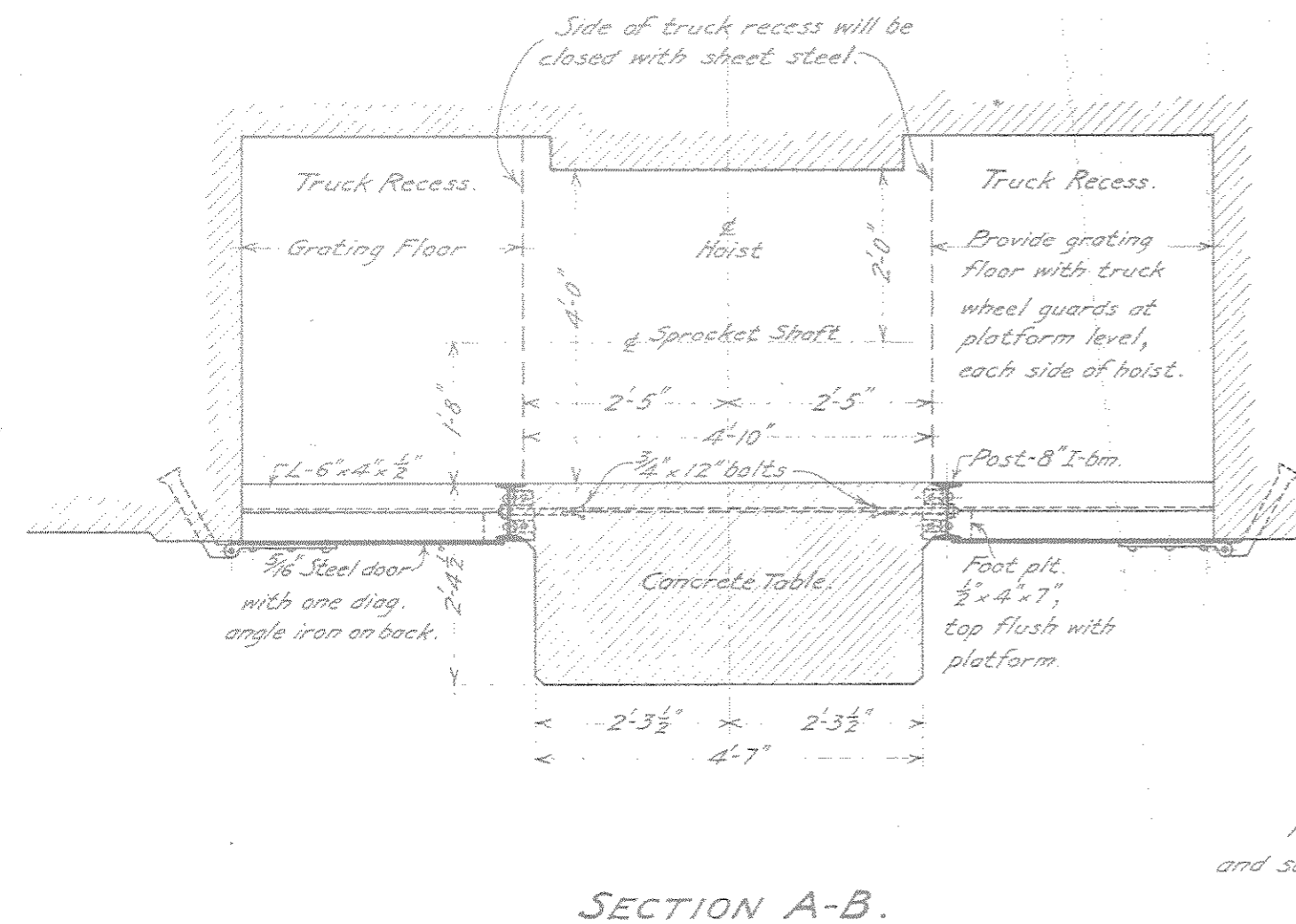
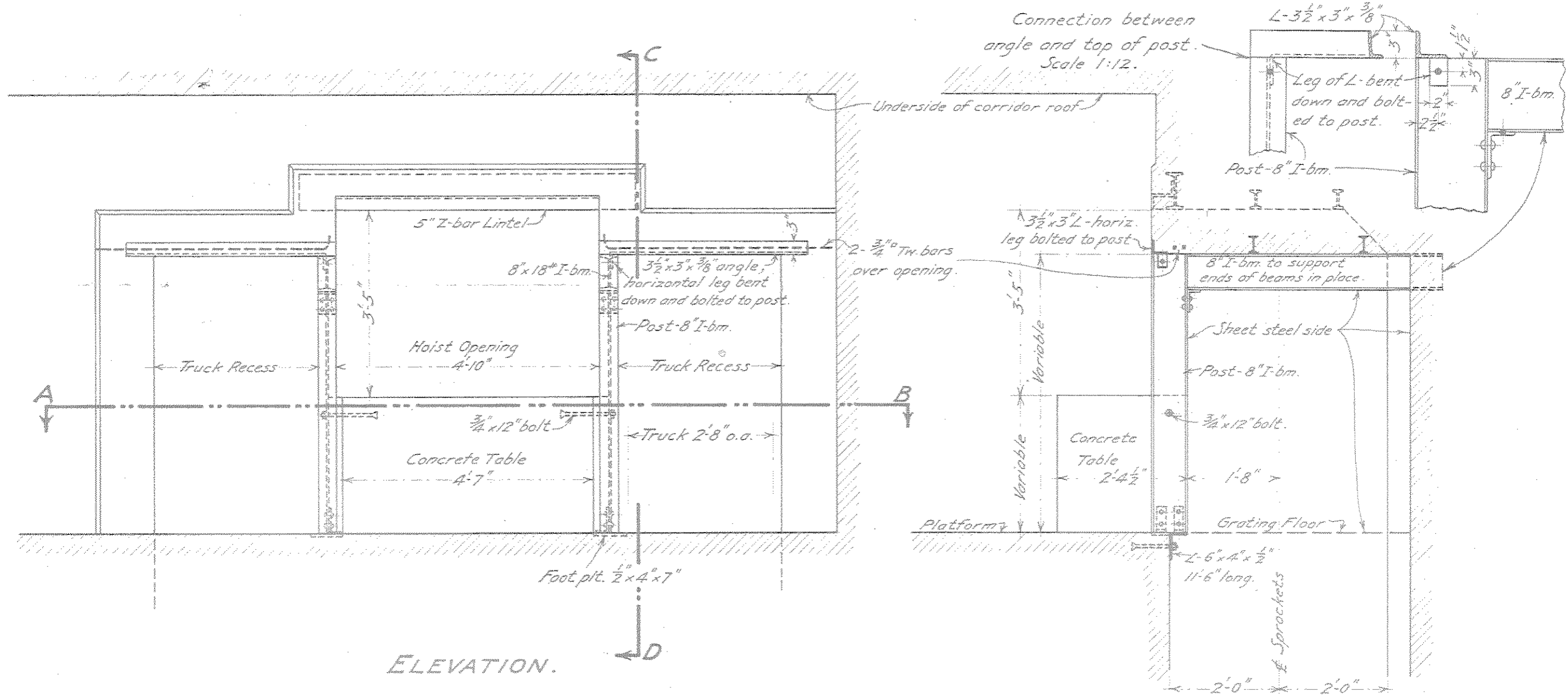
BATTERY HALLECK

FORT HANCOCK, N.J.

Scale $\frac{1}{8}'' = 1 \text{ foot}$

| | |
|------------|------------|
| Drawn by | H.S. Brink |
| Checked by | H.S. Brink |
| Approved | CA |
| Revised | |





U.S. ENGINEER OFFICE, DISTRICT NO 2, NEW YORK.

INSTALLATION OF TYPE A POWDER HOISTS.

MODIFICATION

To provide Truck Recesses at sides of hoists in

BATTERIES HALLECK AND GRANGER,

FORT HANCOCK, N.J.

September 1910.

Scale 1/2 in. = 1 ft.

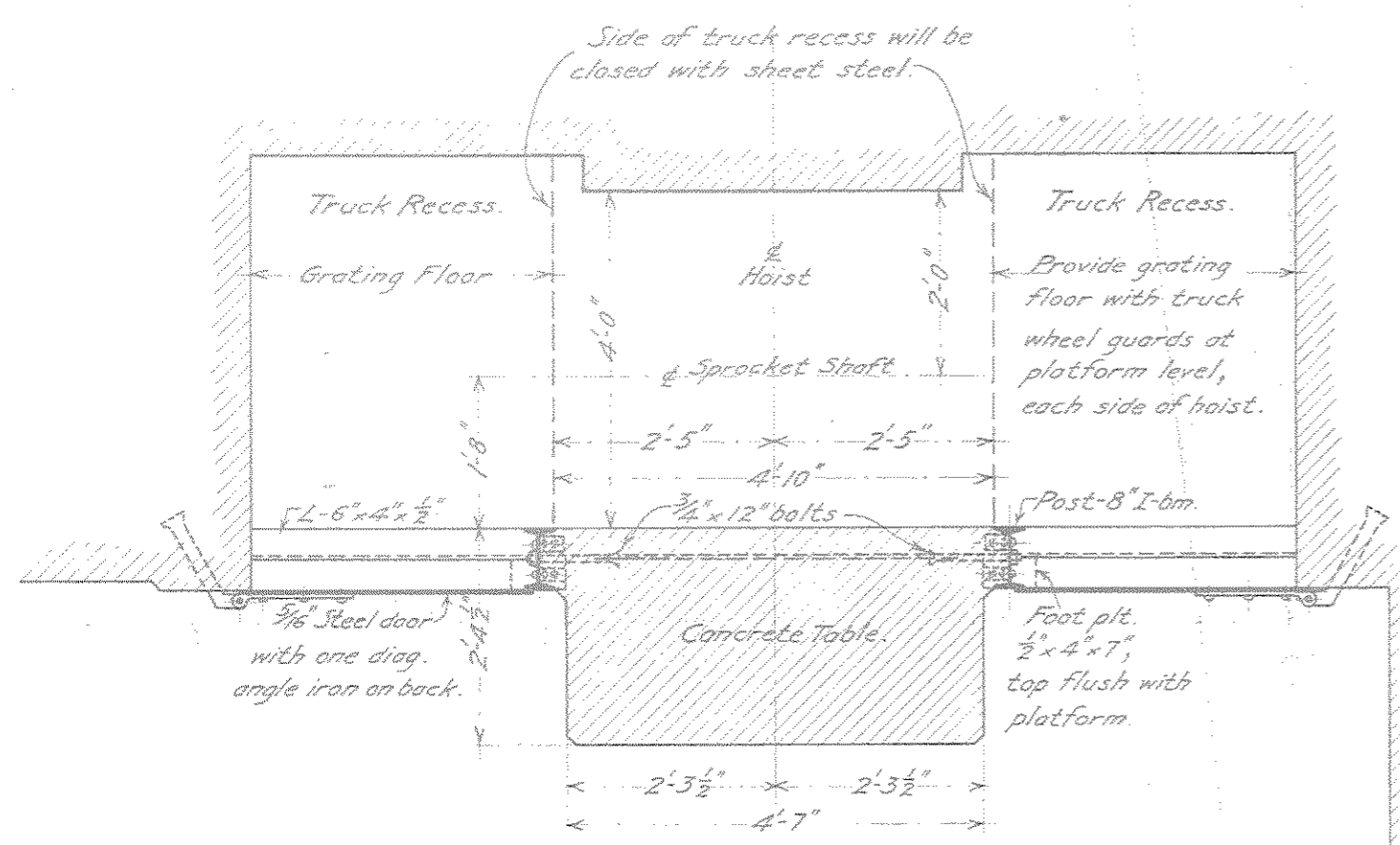
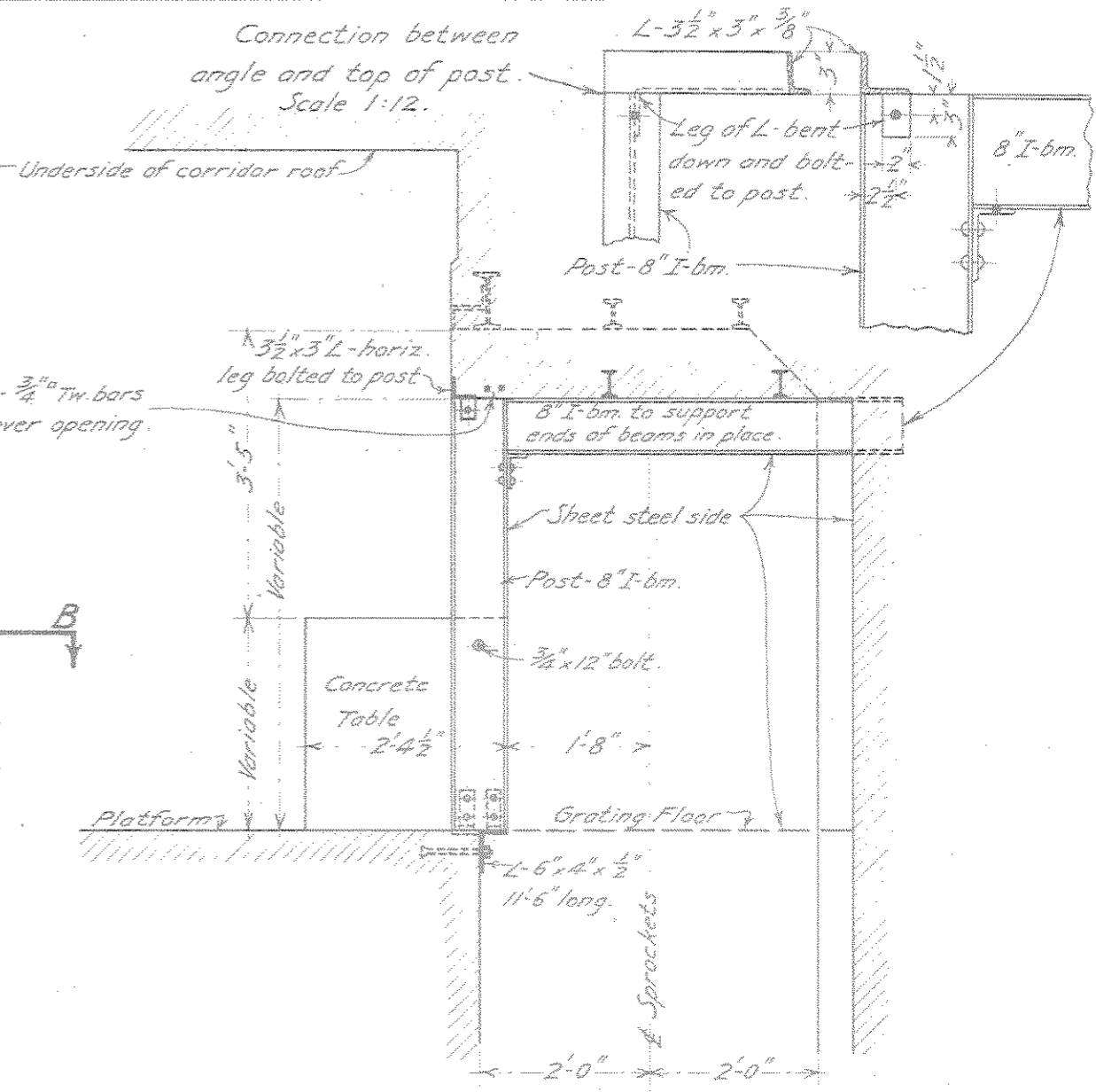
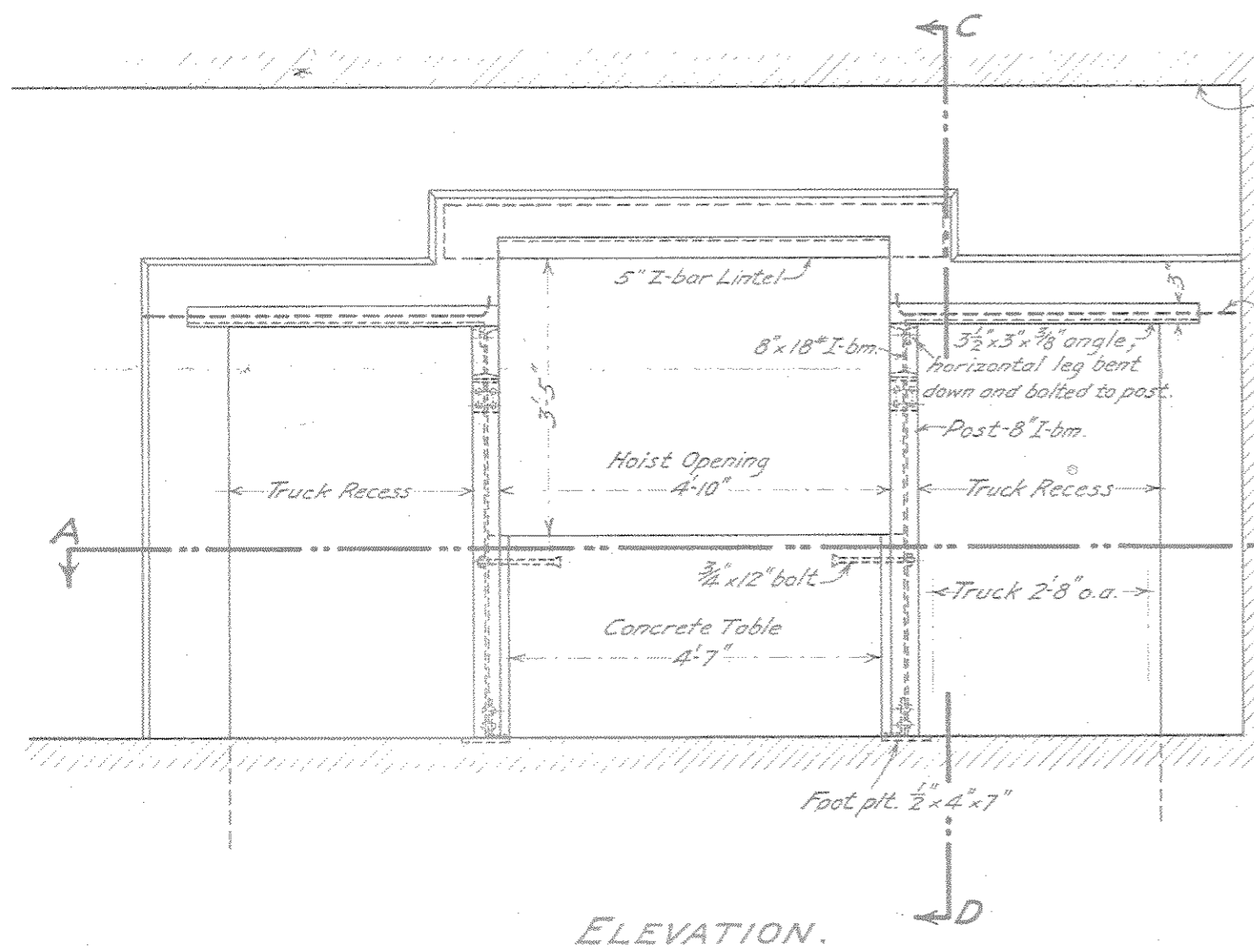
APPROVED: *L. W. Rossler* September 22, 1910.

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

Further details of installation are shown on drawing dated August 22, 1908 and supplementary drawing for Fort Wadsworth dated June 25, 1910.

J.C. Letts, Draftsman.

A-354-10



U.S. ENGINEER OFFICE, DISTRICT NO 2, NEW YORK.

INSTALLATION OF TYPE A POWDER HOISTS.

MODIFICATION
To provide Truck Recesses at sides of hoists in

BATTERIES HALLECK AND GRANGER, FORT HANCOCK, N.J.

September 1910.
Scale 1/2 in. = 1 ft.

APPROVED: *W. W. Rossler* September 22, 1910.
Colonel, Corps of Engineers, U.S.A.

Further details of installation are shown on drawing dated August 22, 1908 and supplementary drawing for Fort Wadsworth dated June 25, 1910.