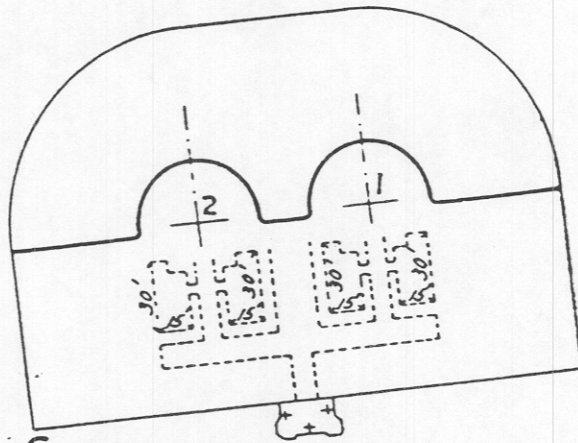


GUN LIFT BATTERY.

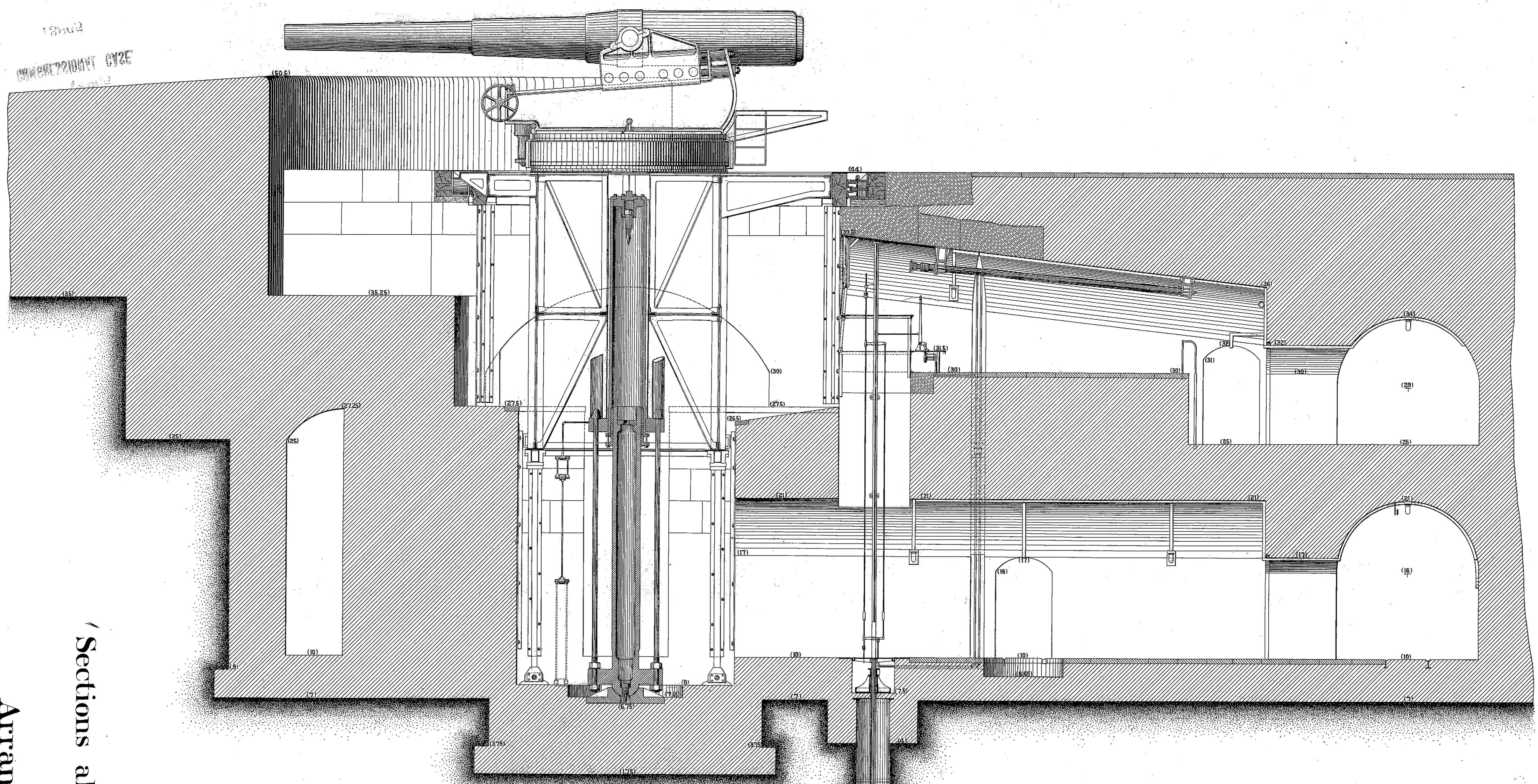
40 12" B.L. Rifles, model 1888, mounted; Gun Lift
-iages; concrete emplacements; serviceable.



CAPONIERE OF GUN LIFT BATTERY.

Three positions for musket calibre machine
-guns in Casemates of 2nd Tier; vacant; serviceable.

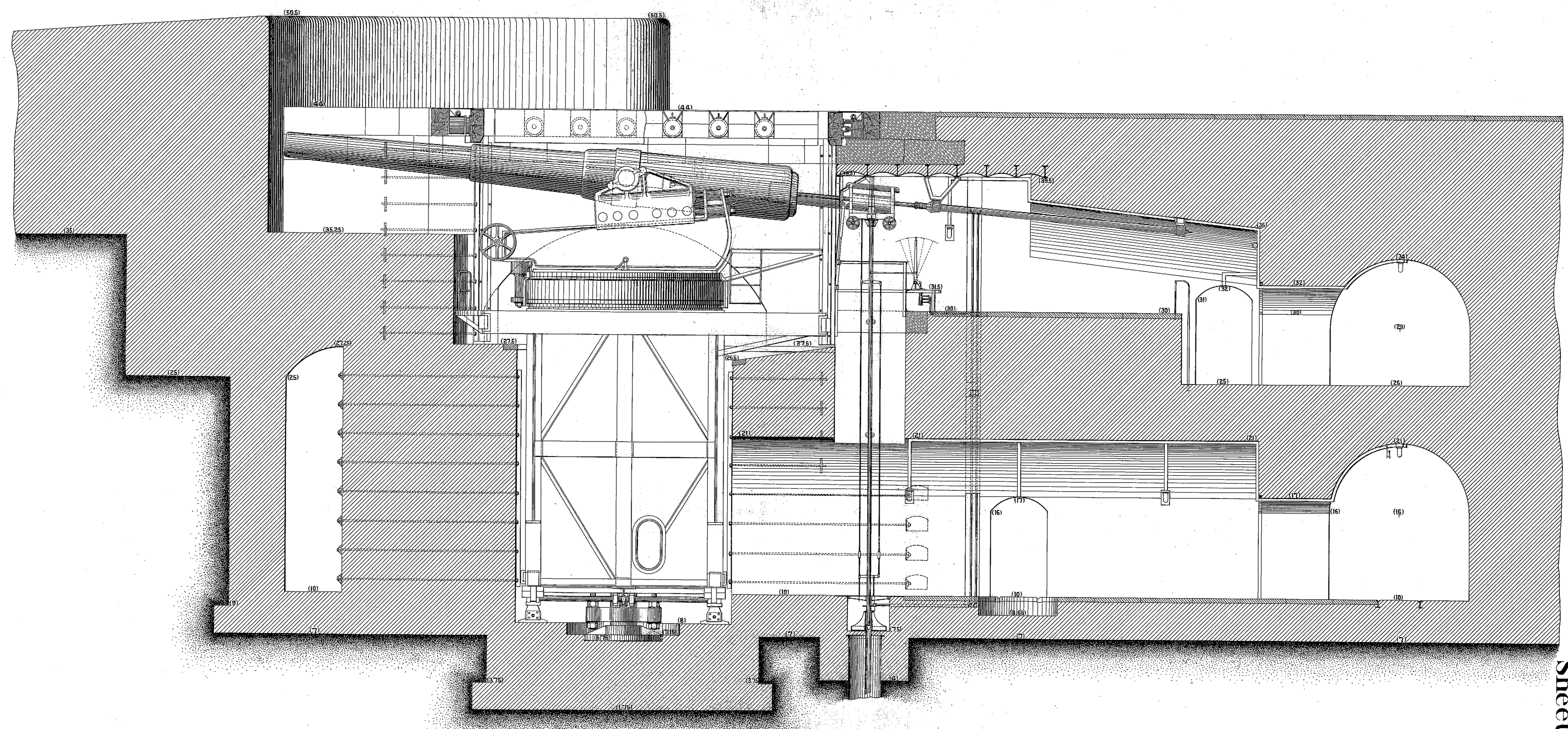
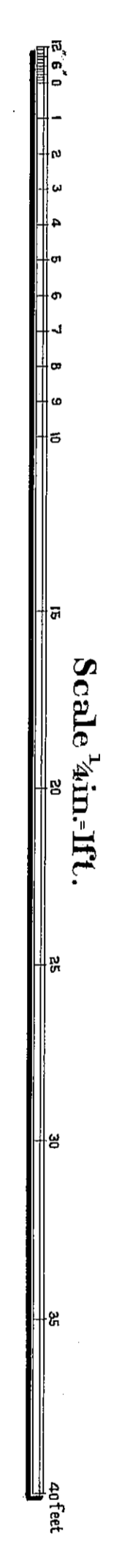
BATTERY COMMANDER'S STA. 



Mechanism of North Lift.

Lift in Firing Position.

Sections along centre line of Gun-Pits
 showing
 Arrangement of Mechanism.



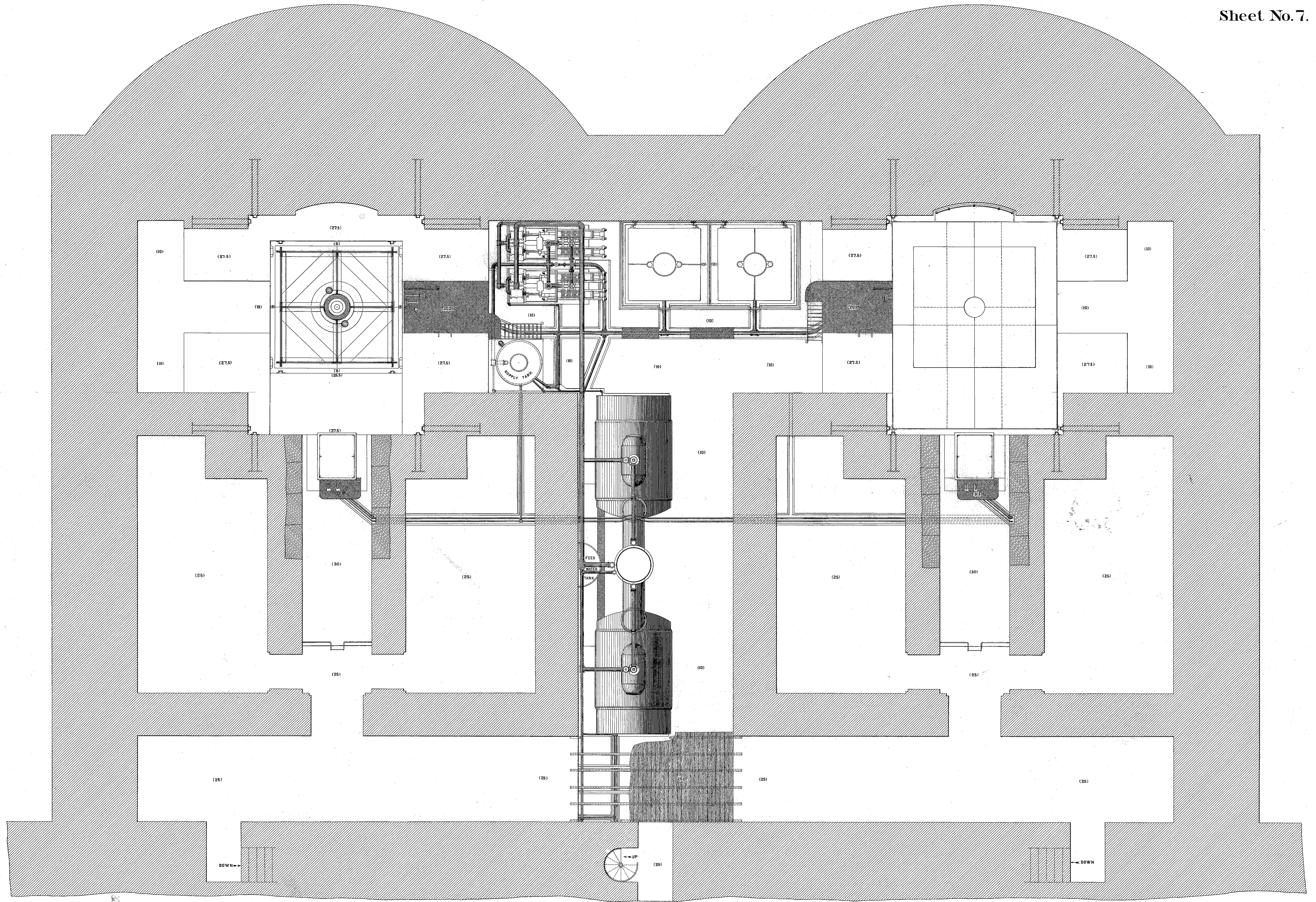
Mechanism of South Lift. Gun in Loading Position.

IN 10 SHEETS,
 Sheet No. 10.

D. 45.
S. 89.
65

GUN LIFT BATTERY, N^o 1. SANDY HOOK, N. J.

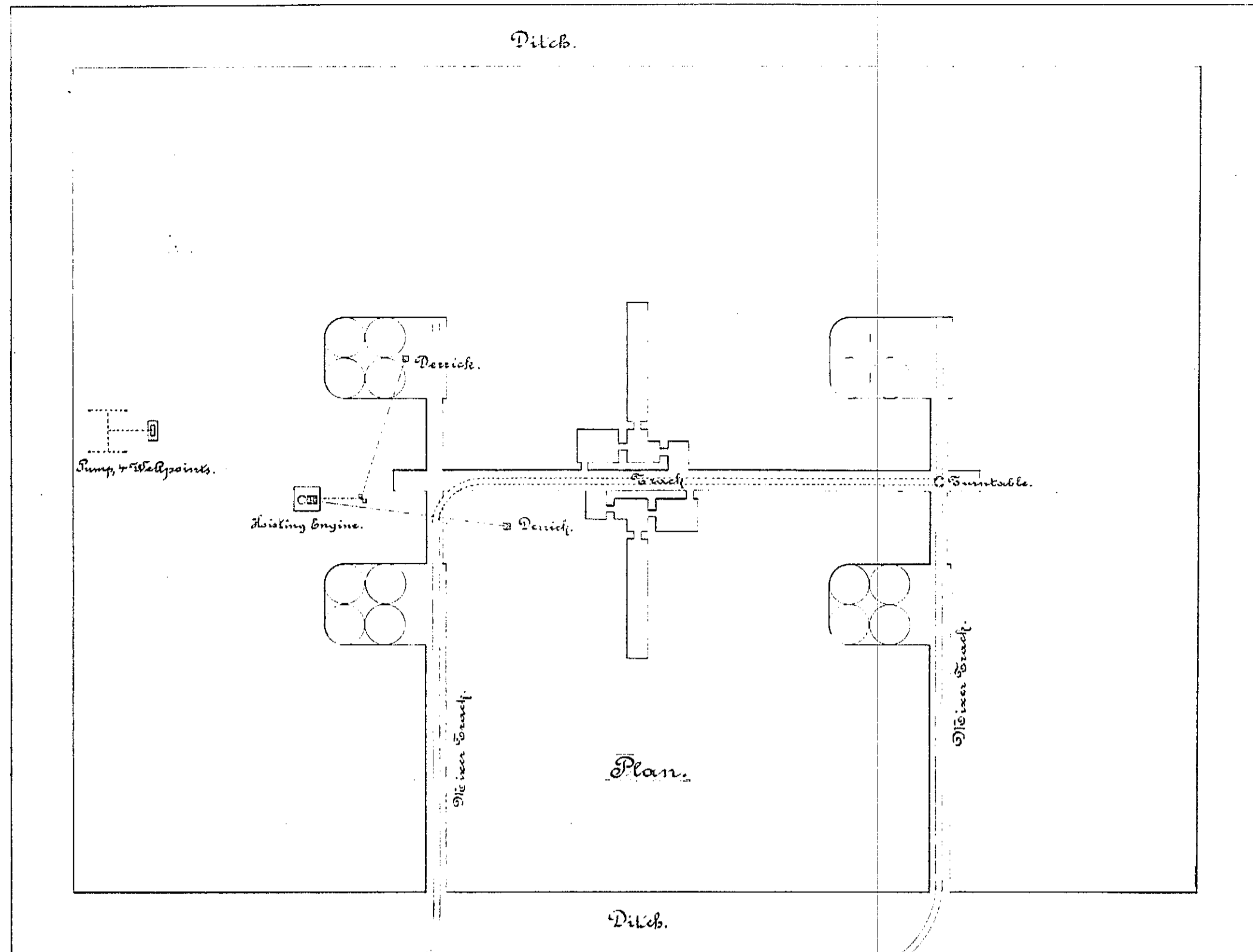
IN 10 SHEETS.
Sheet No. 7.



Second Floor Plan of Mechanism.

Scale 1/2 in.-1 ft.

45-89-65

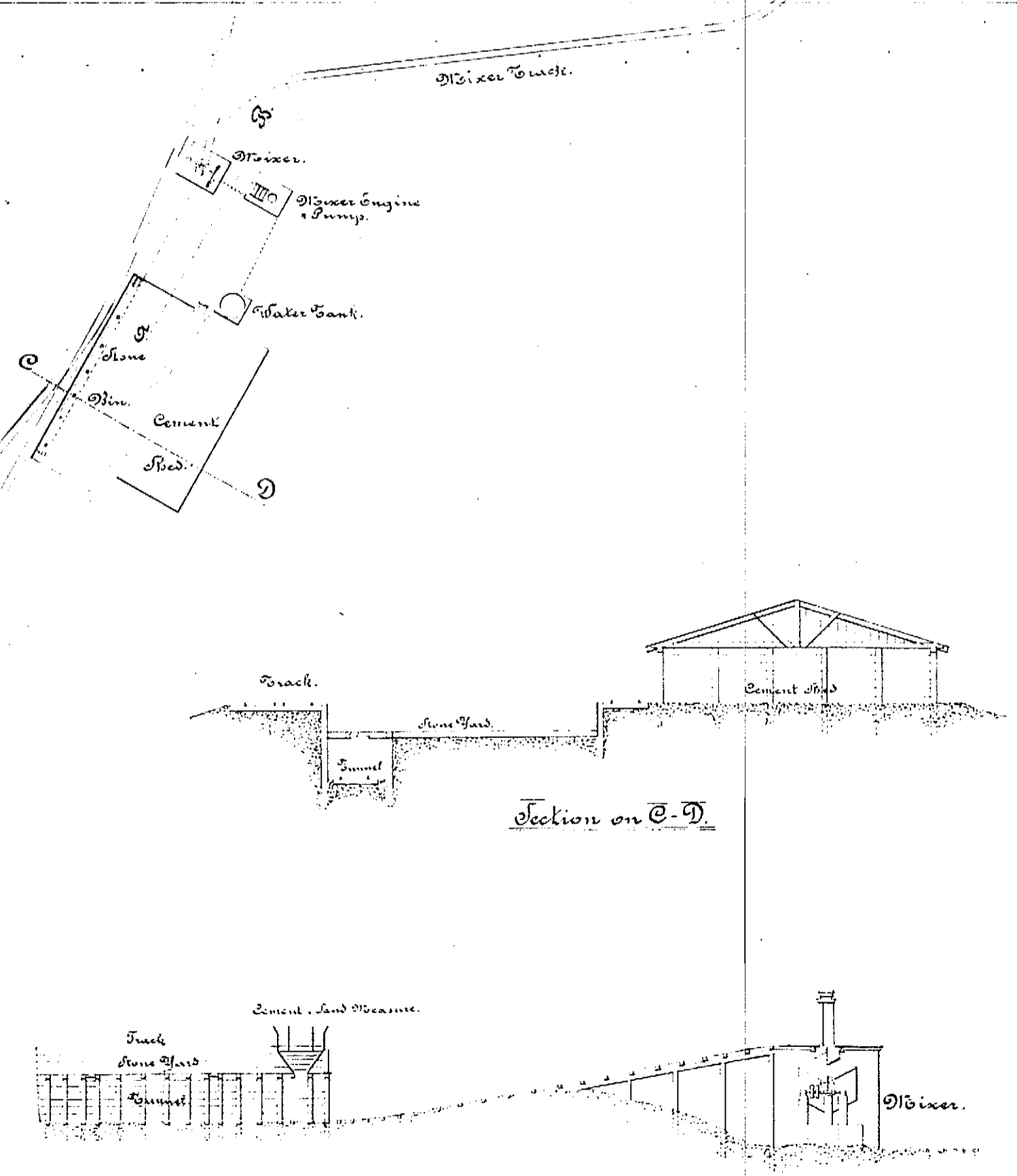


Mortar Battery
at
Sandy Hook, N. J.

Plan showing general arrangement of working
plant in use.
Prepared under the direction of 1st Lieutenant
I. G. Warren, Corps of Engineers, U. S. A.
To accompany annual report.

U. S. Engineers Office,
New York, N. Y.
June 30th 1892.
J. L. Ketchum
1st Lieut. Corps of
Engineers, U. S. A.

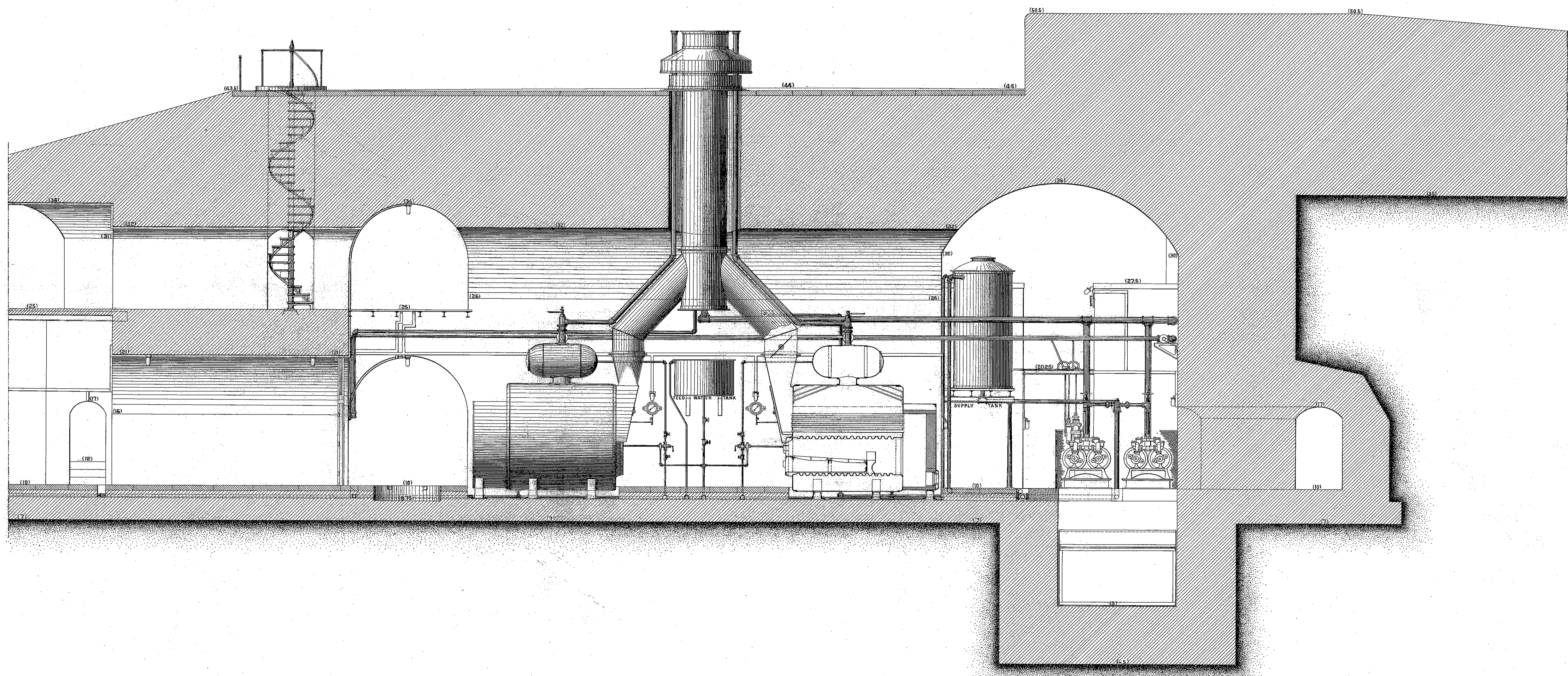
500 Sand Point



Scale of plan: 40' = 1" 1/2

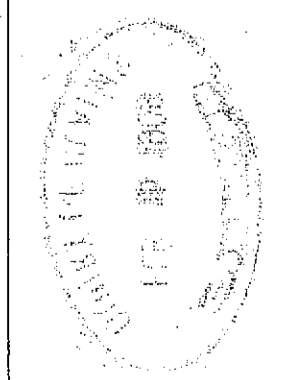
Scale of sections: 10' = 1" 1/2

L1. 45.
S. 89.
66



Section through centre line of Boiler Room
showing
Arrangement of Mechanism.

Scale 3/4 in.-1 ft.

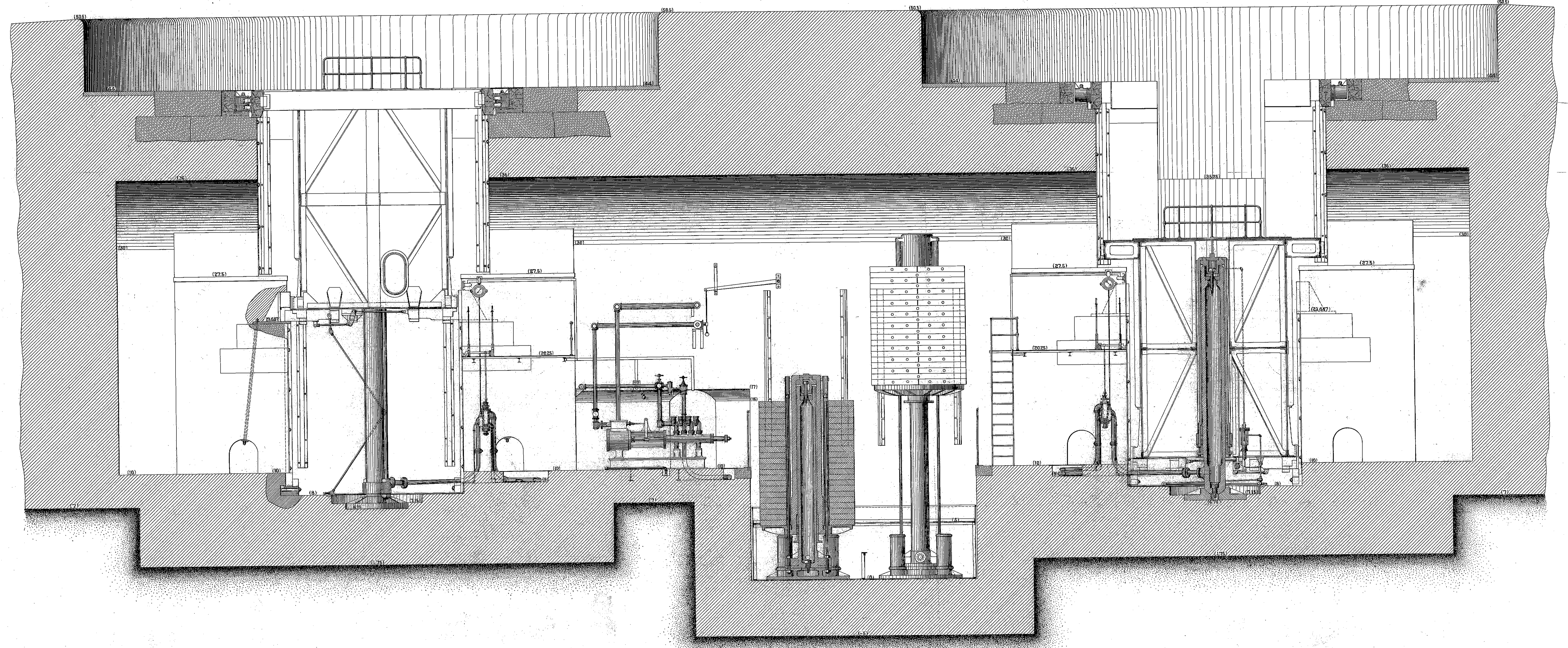


13-402
CONSTRUCTION OFFICE

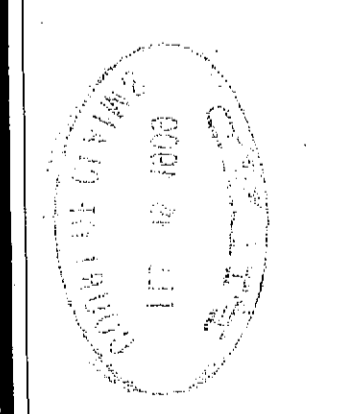
21. 93.
S. 89.
67

GUN-LIFT BATTERY, N^o1. SANDY HOOK, N. J.

IN 10 SHEETS.
Sheet No. 9.

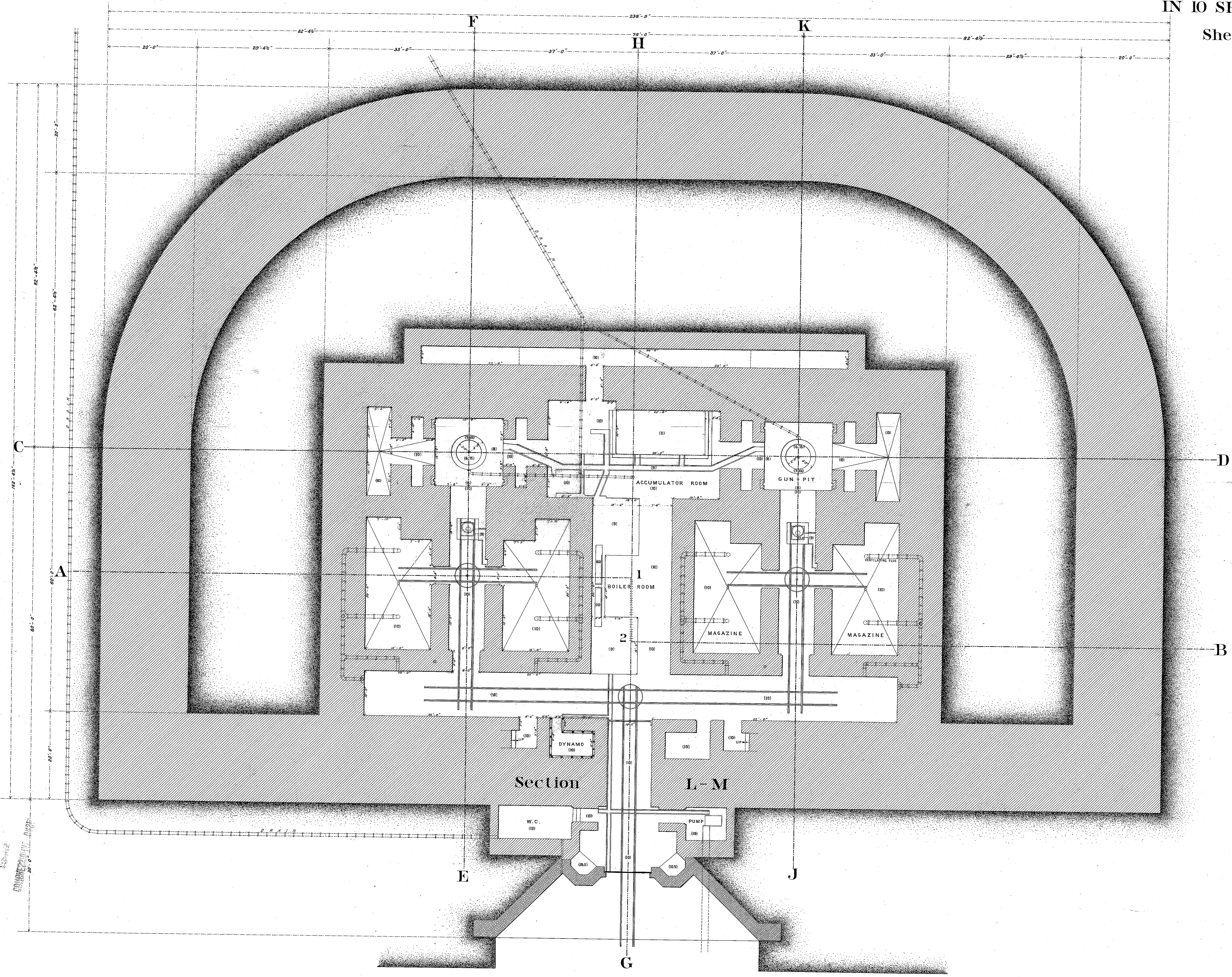


Section through centre line of Accumulator Room
 showing
 Arrangement of Mechanism.



4-8
 100-100
 GUN-LIFT BATTERY, N^o1

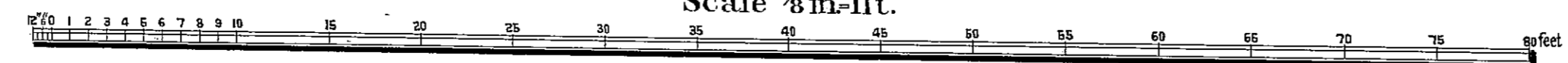
45-89-67



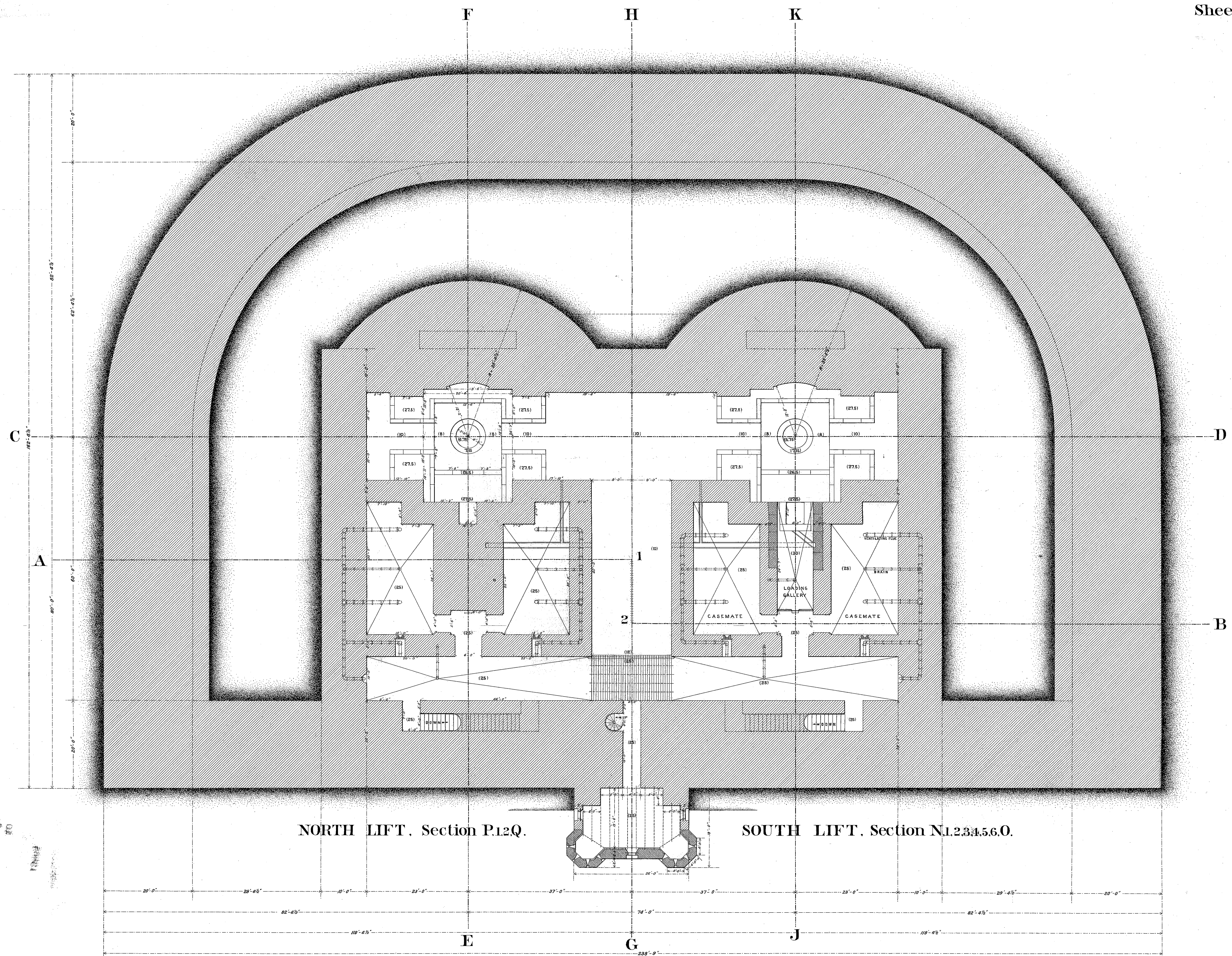
Plan of First Floor.

- See Sheets N^{os} 4 and 5 -

Scale 1/8 in. = 1 ft.



NOTE.
Elevations refer to the Plane of Mean Low Water.

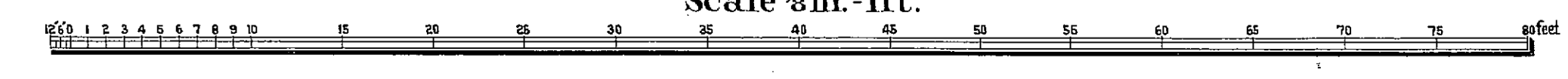


NORTH LIFT. Section P.1.2.Q.

SOUTH LIFT. Section N.1.2.3.4.5.6.O.

Plan of Second Floor.

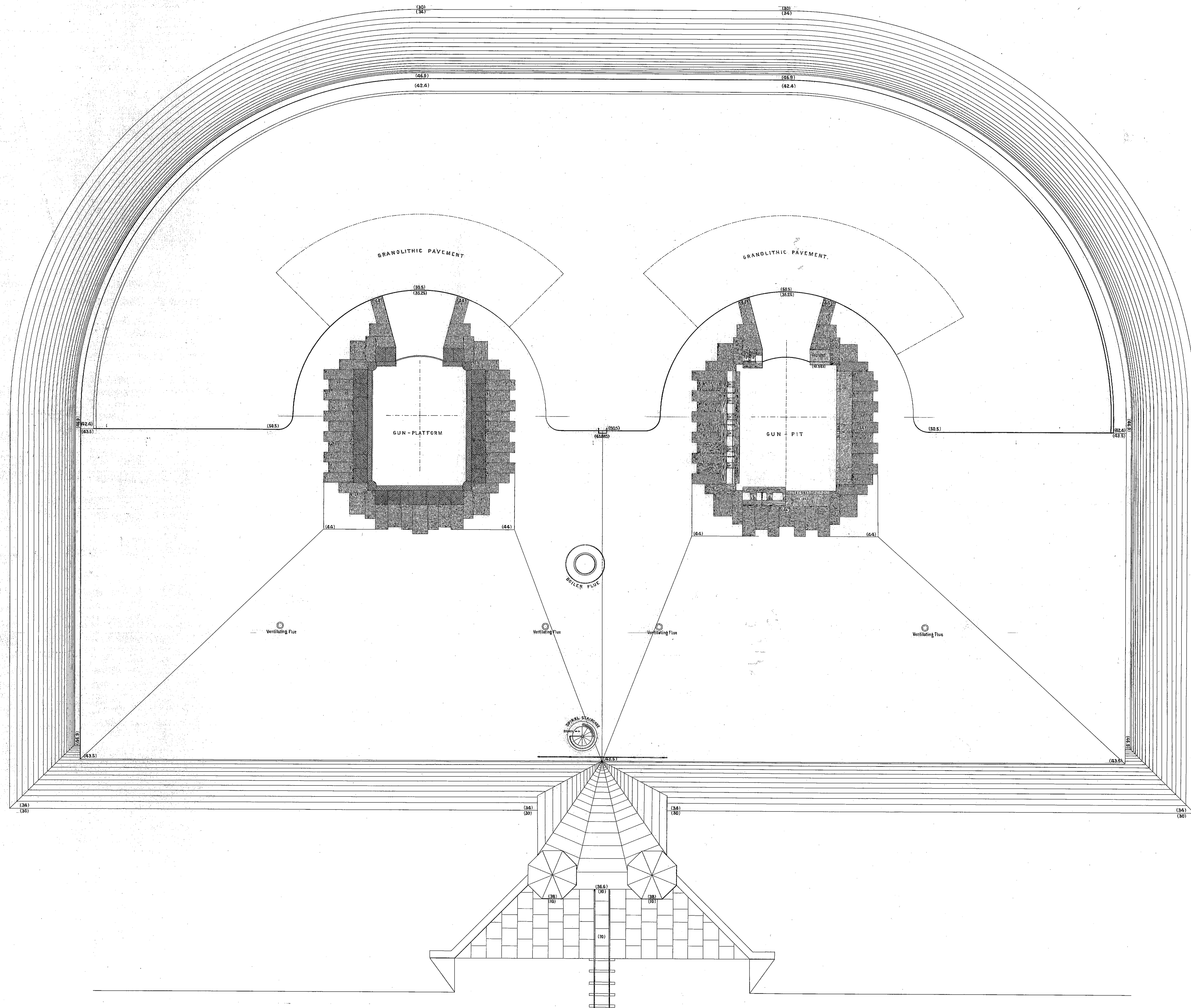
— See Sheets N^o4 and 5. —
Scale 3/8 in. = 1 ft.



70
5. 87.
61

GUN-LIFT BATTERY, N^o1. SANDY HOOK, N. J.

IN 10 SHEETS,
Sheet No.3.

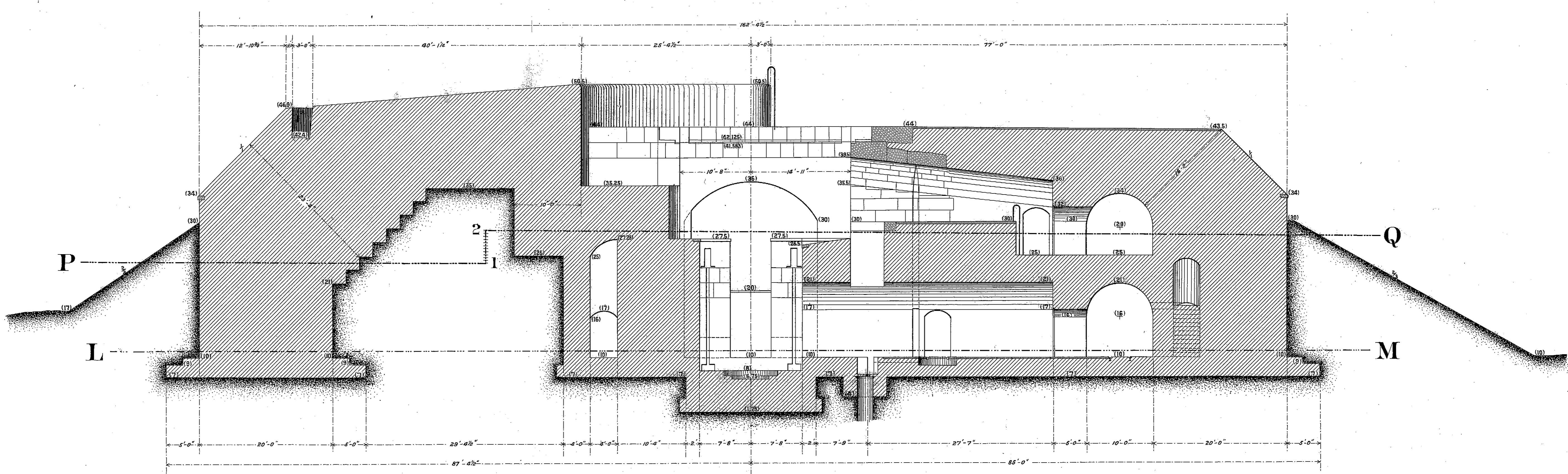


Plan of Terre-plein.

Scale 1/4 in. = 1 ft.



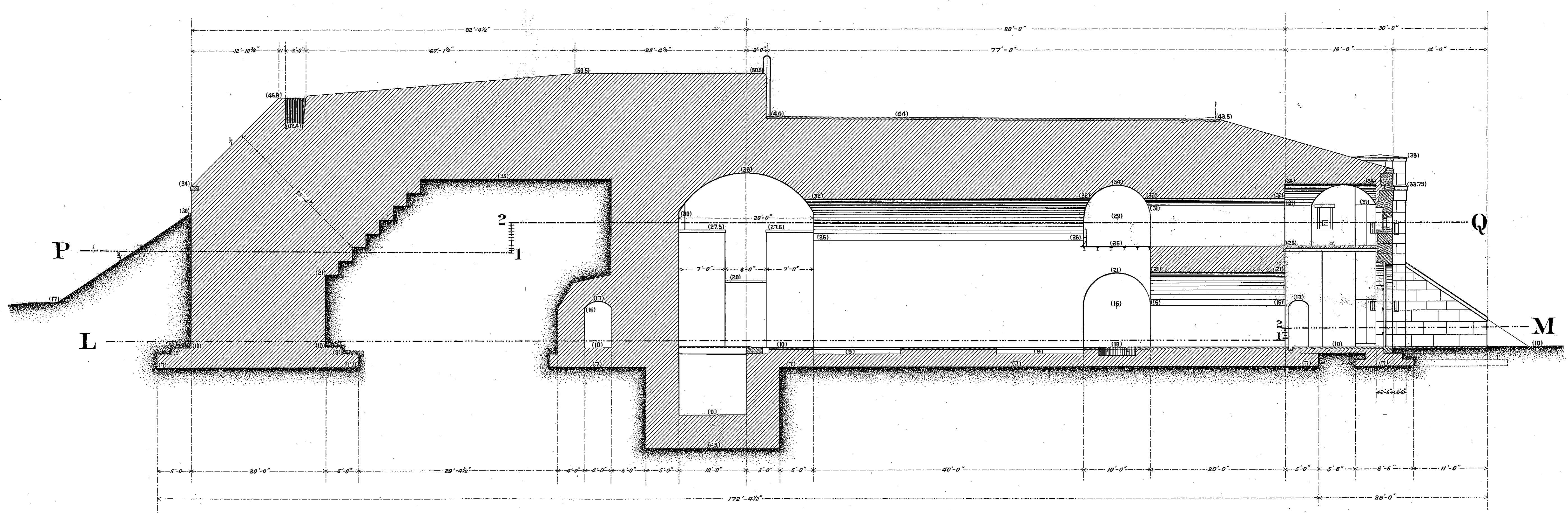
2.45
5.83
6.12



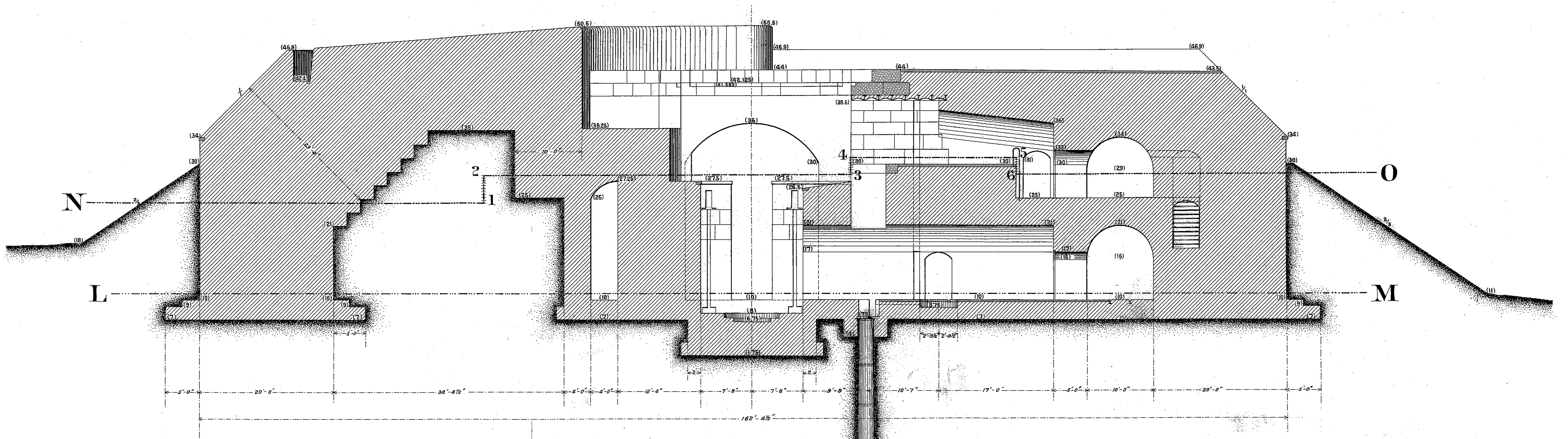
Section F-E. North Lift.

Sections Through Battery.

Scale 8 in. = 1 ft.

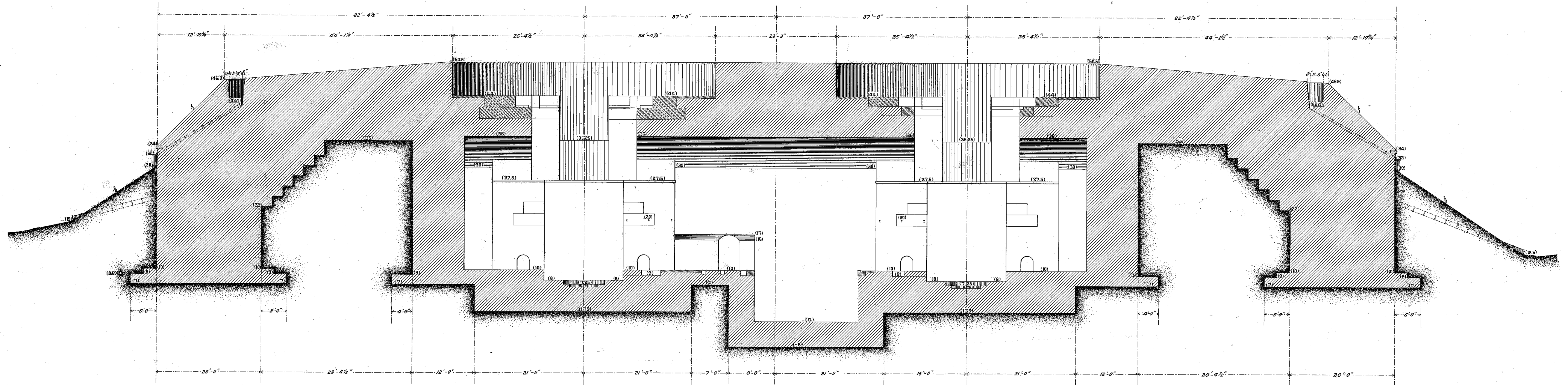


Section H-G. Boiler Room.

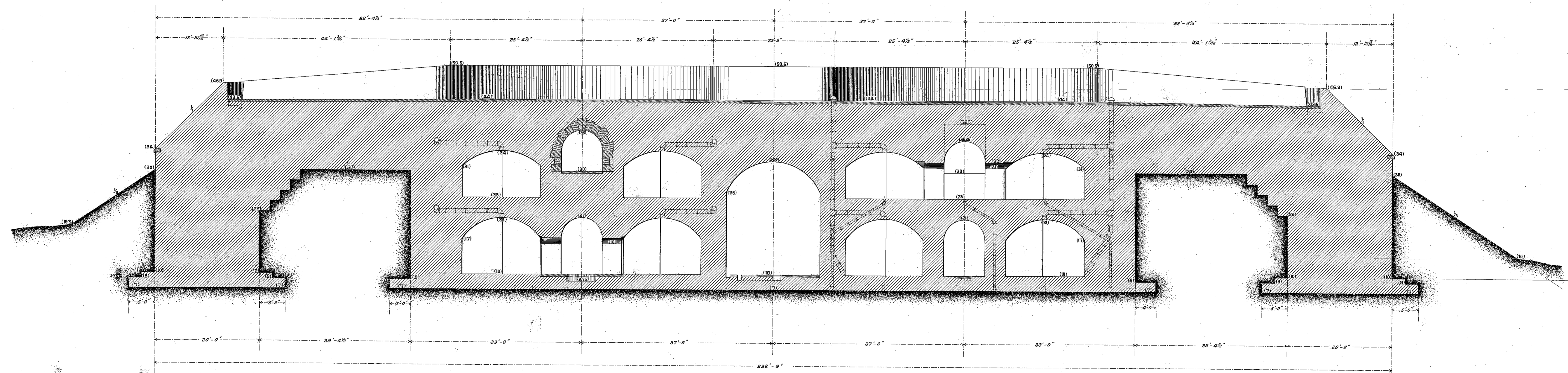


Section K-J. South Lift.

ENC. 1
REPRODUCED BY
THE ARCHITECT



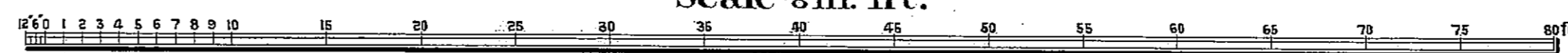
Section C-D, through Gun-Pits.



Section A.1.2.B, through Magazines.

Sections through Battery.

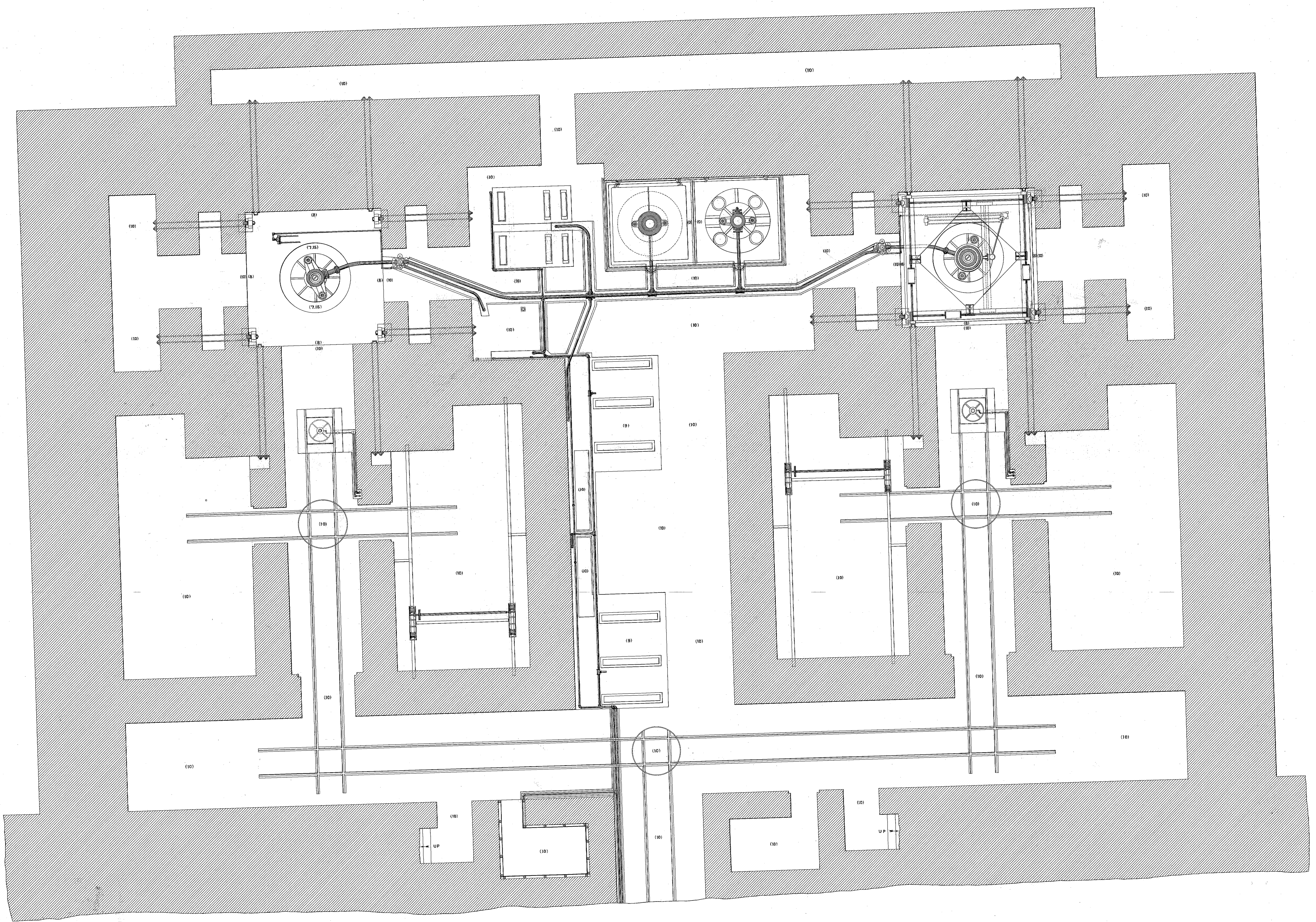
Scale $\frac{1}{8}$ in. 1 ft.



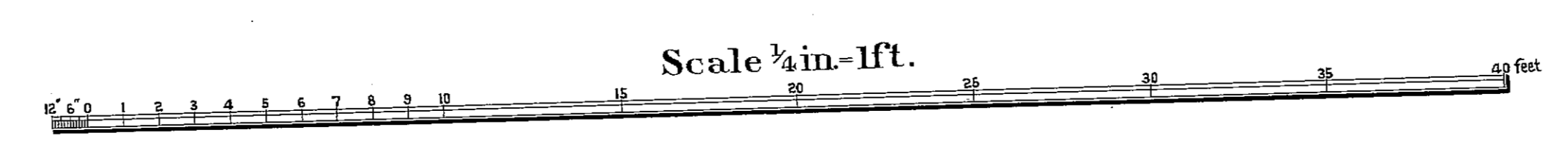
D. 45.
15. 89.
64

GUN-LIFT BATTERY, N^o 1. SANDY HOOK, N. J.

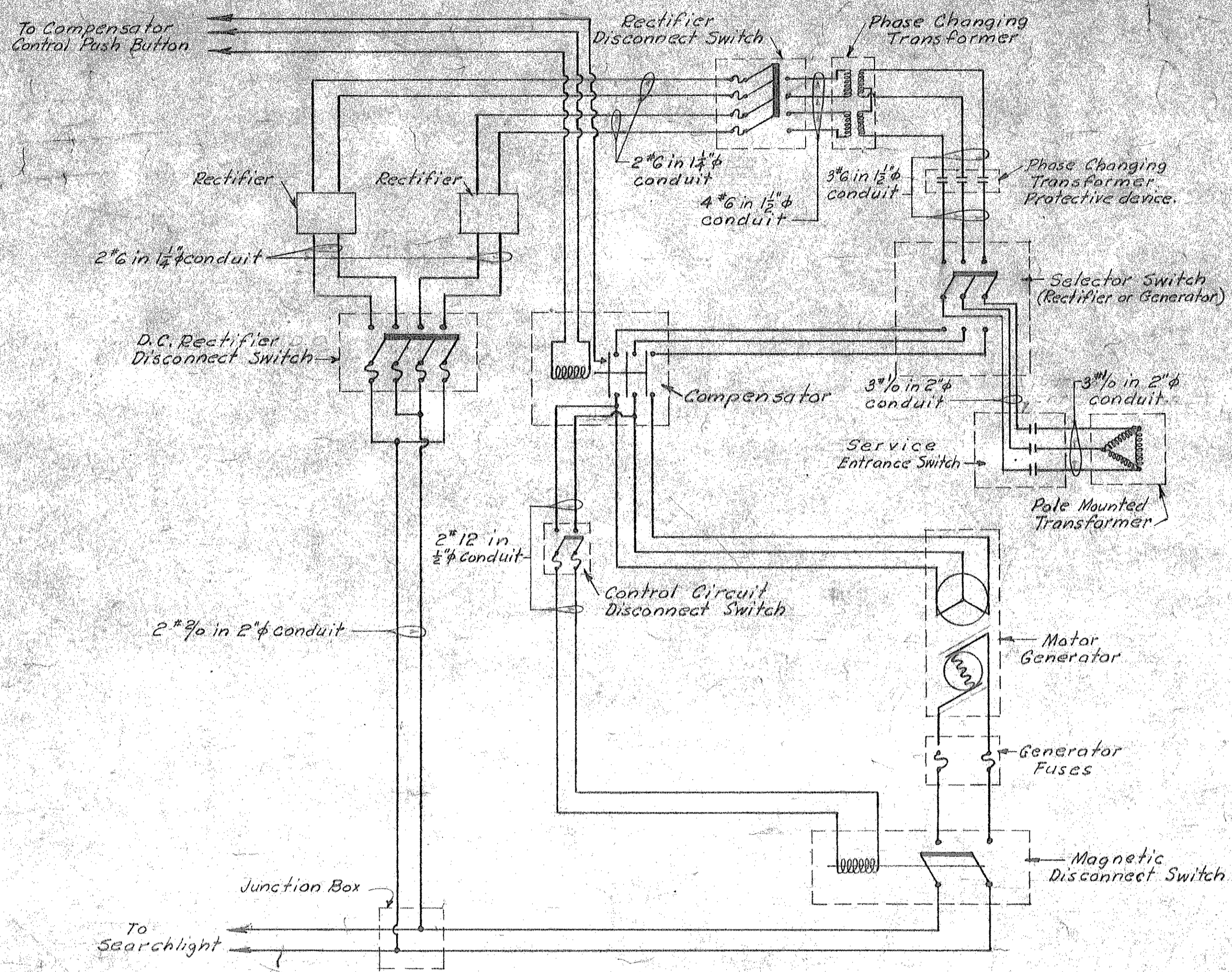
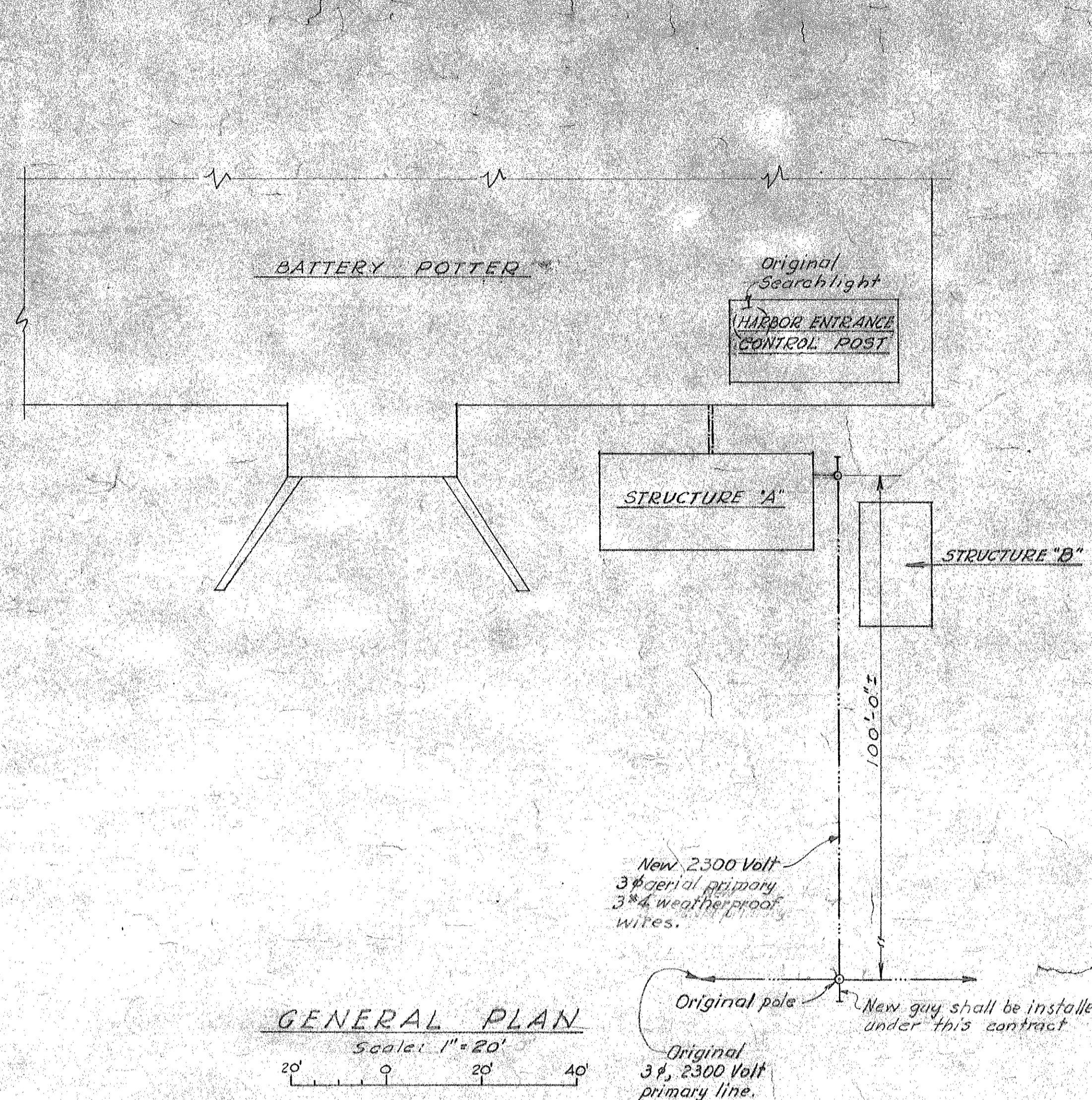
IN 10 SHEETS.
Sheet No. 6.



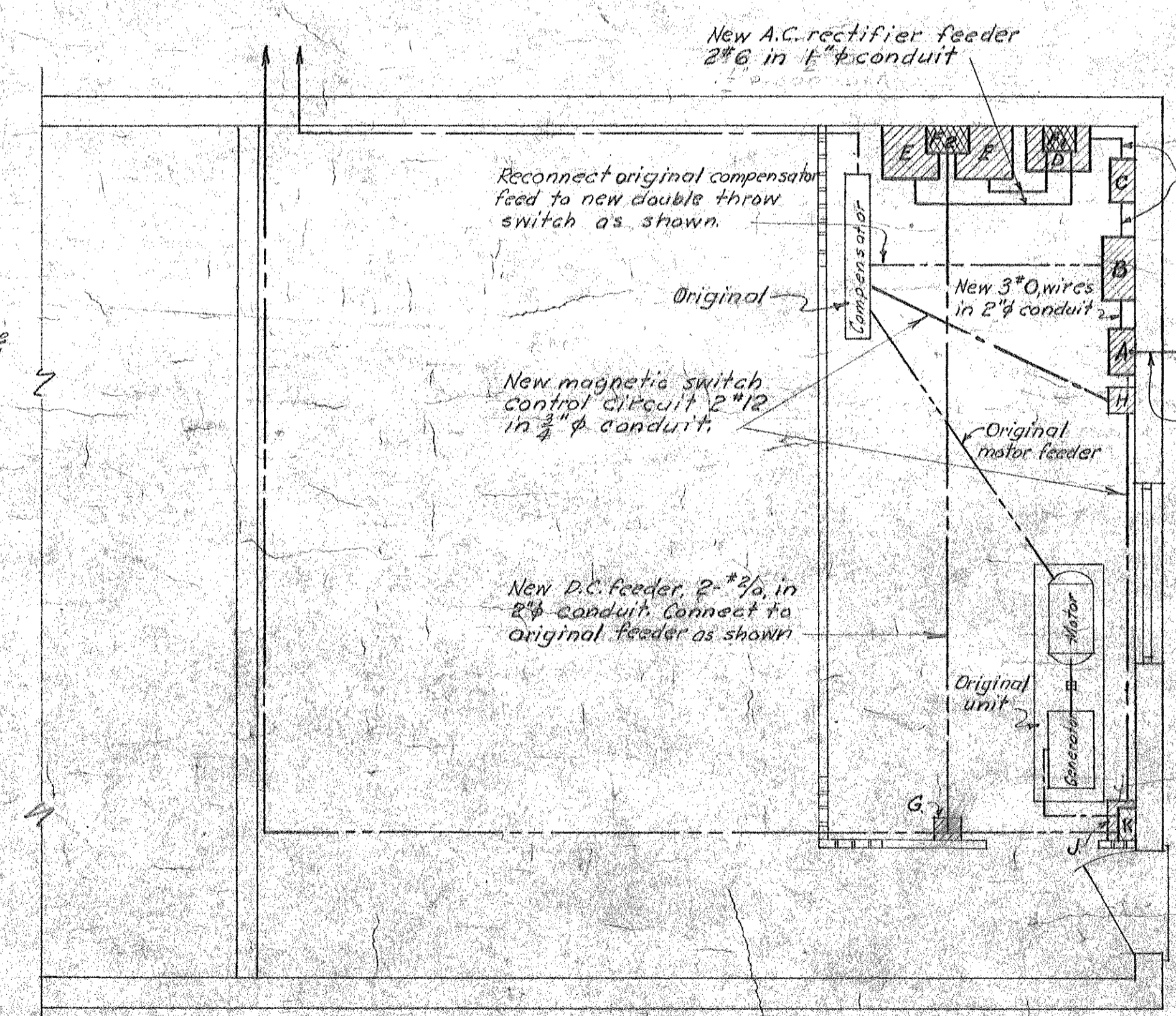
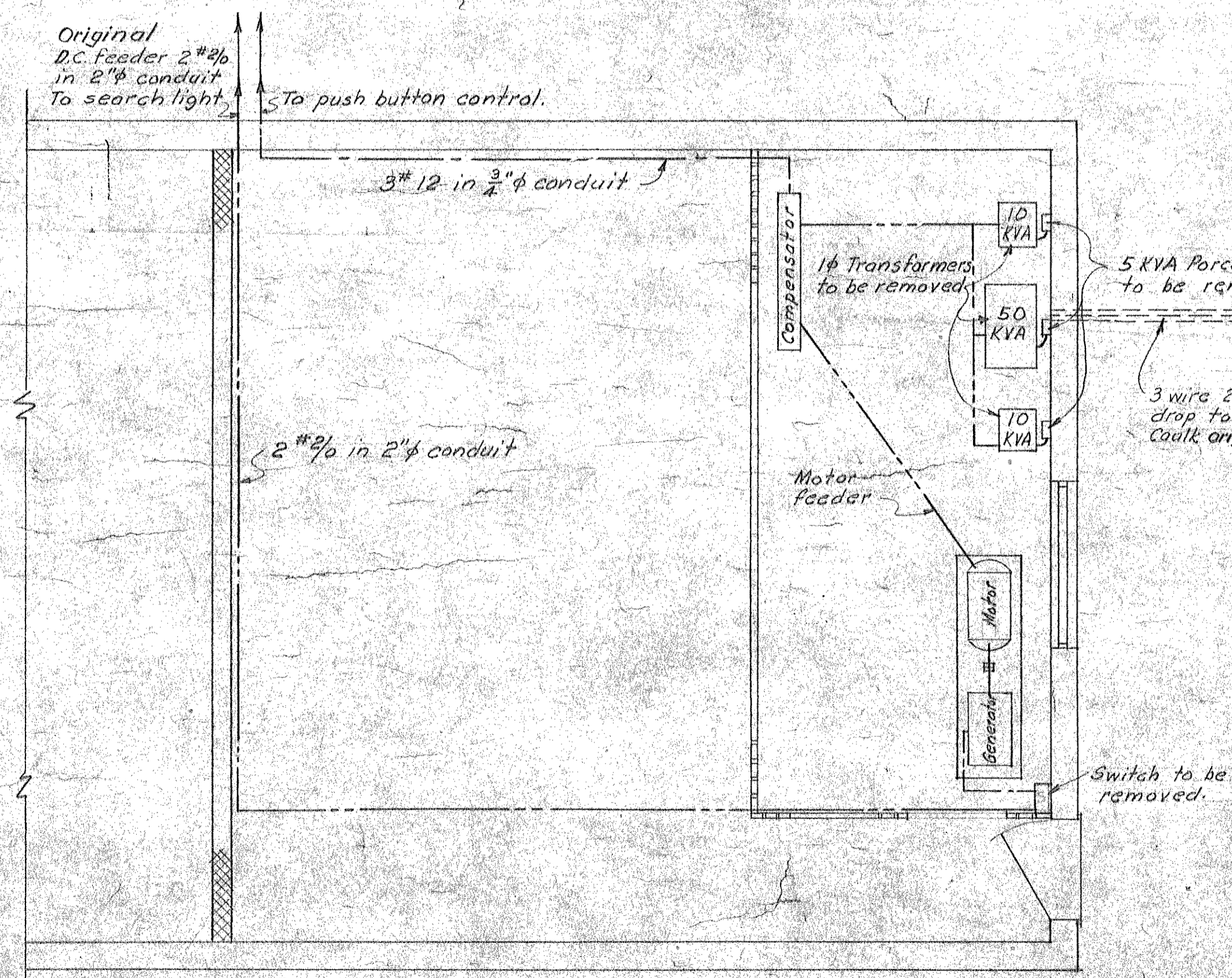
'First Floor Plan of Mechanism.'



45-89-64



- LEGEND**
- A New Service Entrance Switch, Westinghouse, DC 3221.
 - B New Double Throw Switch, Westinghouse, XU 324.
 - C New Safety Switch, Westinghouse, DB 3250.
 - D New Scott Connected Auto Transformer, 3 phase, 4 wires, 1:1 ratio, 15KVA capacity, 230V, SE 6464B.
 - E New Vacuum Tube Rectifier, supplied by the Government.
 - F1 New Safety Switch, Westinghouse, AF 422.
 - F2 New Safety Switch, Westinghouse, AF 422.
 - G New 6"x12" Junction box.
 - H New Safety Switch, 2 pole, 5 ampere, Westinghouse Sentinel breaker.
 - J New Magnetic Switch, Westinghouse, 15825-5A, 2 pole, 135 amp, enclosed, with 230 volt holding coil.
 - K New Fuse Box, 150 amp, 2 pole.
- 2300 Volt 3 phase, 3 wire primary
- 230 Volt 3 phase, 3 wire secondary
- 230 Volt 1 phase, secondary
- Direct Current Feeder
- Control circuits.



NOTES:

All material and equipment removed under this contract shall be stored as directed by the Contracting Officer.

Contractor shall install a framed blueprint copy of the wiring diagram in Structure "A".

Selector Switch "B" shall be lettered to indicate the rectifier circuit or the motor generator circuit.

Conduit sizes shall conform with the N.E. code when not indicated on the drawing.

CONFIDENTIAL

THIS DOCUMENT CONTAINS INFORMATION OF A CONFIDENTIAL NATURE AND IS TO BE KEPT SECRET WITHIN THE BUREAU AND NOT TO BE DISCLOSED TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW.

CONFIDENTIAL

E.D.C. PROJECT NO. 579 - AUTH. NO. NAD-7-9 - 12 AUG. 1942.

HARBOR DEFENSES OF NEW YORK
HARBOR ENTRANCE CONTROL POST
INSTALLATION OF RECTIFIERS

FORT HANCOCK NEW JERSEY
IN 1 SHEET SHEET NO. 1
SCALE AS SHOWN

U.S. ENGINEER OFFICE, NEW YORK DISTRICT, NEW YORK, N.Y. 22 SEPT. 1943

Submitted: *Charles P. Howard* Recommended: *James W. Jones* Approved: *James W. Jones*
Senior Engineer Lt. Col., Corps of Engineers. Lt. Col., Corps of Engineers.

RECORD DRAWING
CERTIFIED AS CONSTRUCTED 23 MAY 1944.

D.P. Crocker
Lt. Col., Corps of Engineers.

DATE	REV. NO.	REVISION	REV. BY	APP. BY
22 May 44		Revised as constructed.	M.A.T.	J.S.H.
1 Oct 43	1	Legend changed	M.L.	J.M.

Left Gun Battery No. 1

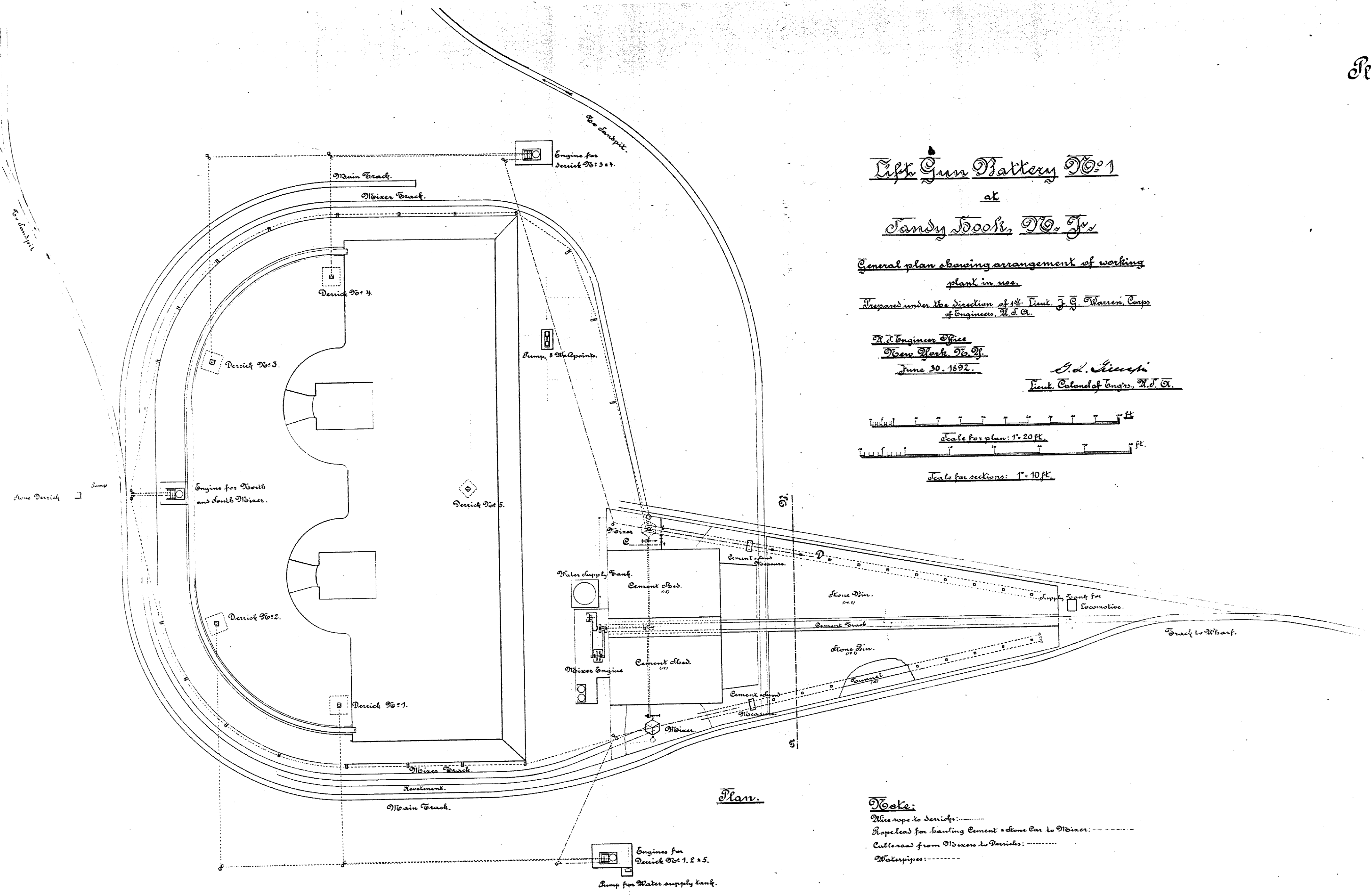
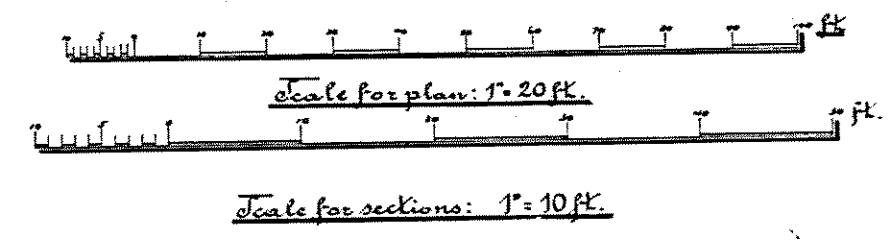
at
Sandy Hook, N. J.

General plan showing arrangement of working
plant in use.

Prepared under the direction of Lt. J. J. Warren, Corps
of Engineers, U. S. A.

U. S. Engineer Price
New York, N. Y.
June 30, 1892.

C. L. Smith
First Colonel of Engrs. U. S. A.

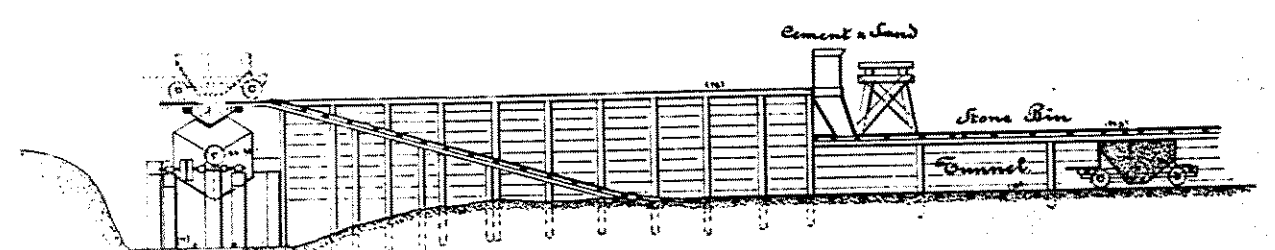


Plan.

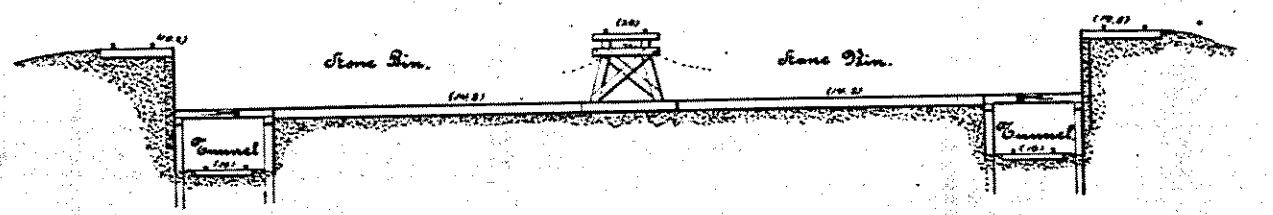
Note:

- Rope lead to Derricks: - - - - -
- Rope lead for hauling Cement & Stone Bin to Derricks: - - - - -
- Cable road from Derricks to Derricks: - - - - -
- Waterpipes: - - - - -

Section on C-1-2-D



Section on A-B



NA
RG 77
DR 45
SH. 89-11

———— PLOTTING HOUSE ————

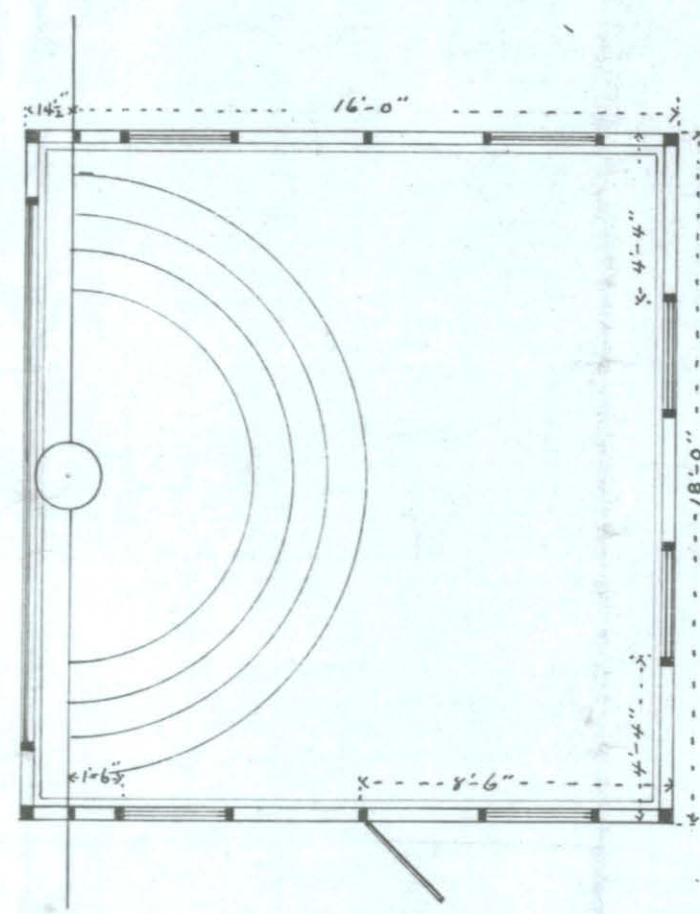
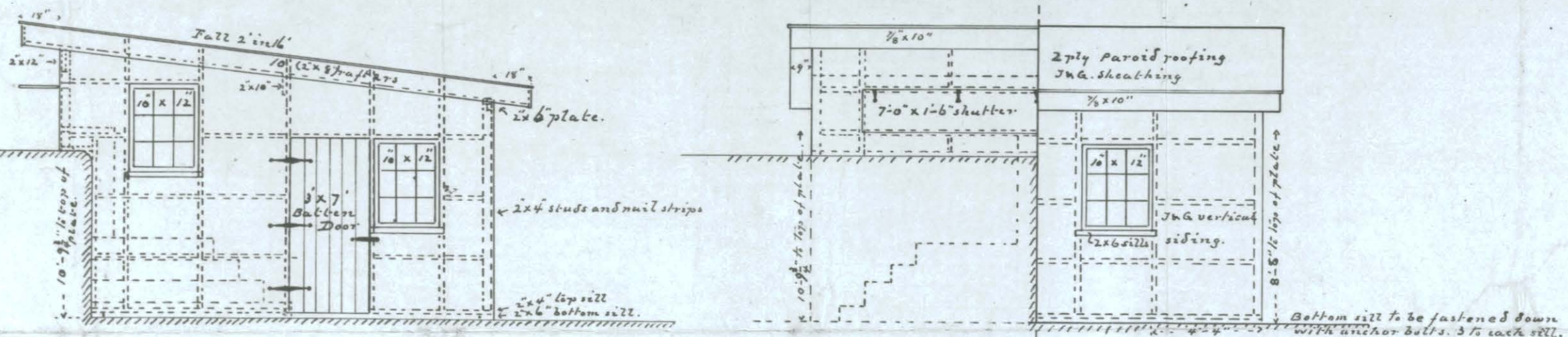
———— BATTERY POTTER FORT HANCOCK N.J. ————

———— Scale 1/4" = 1' ————

———— ABE. S. BICKHAM ————

———— CAPTAIN & QUARTERMASTER U.S.A. ————

———— HALF FRONT VIEW. ———— HALF REAR VIEW. ————



SPECIFICATIONS.

The work covered by these specifications consists of a frame plotting house to be erected on the emplacement of Battery Potter at Fort Hancock N.J. as shown on plan hereto.

It shall be constructed in a workman like manner, under the direction and to the entire satisfaction of the officer in charge, and of sound merchantable lumber free from cracks, holes, large or loose knots or other defects.

FRAME. Framing timbers to be of spruce undressed, securely nailed and spiked together.

SIDING. Siding of t. and g. 1/8" spruce, N.C. or yellow pine, dressed one side, thoroughly seasoned and close jointed dressed side out. It shall be primed as soon as nailed up.

SHEATHING. Sheathing of t. and g. 1/8 hemlock dressed one side, thoroughly seasoned and close jointed dressed side up.

COVERING. Covering to be of 2 ply paroid roofing, joints cemented, securely nailed on and tin caps painted after roofing is laid.

DOOR. Door to be 3x7' made of vertical siding securely nailed to three 7/8" x 6" battens, hung on three 10" strap hinges and to fasten with one hinged 6" hasp and padlock.

LOOKOUT. Lookout shutter to be 7' long by 18 inches wide, made of horizontal siding securely nailed to five 7/8" x 6" battens, hung by five 8" strap hinges, fastened by two 6" hinged hook hasps, and provided with three suitable long hooks with screw eyes hung to projecting eaves to hold the shutter firmly open when in use.

SASH. Sash to be plane rail, with six 10" by 12" lights and to be hung on sash center or transom plates, of suitable design, to swing out at bottom of sash, and provided with sliding bolts to securely lock them when closed. The sash side of the studding to be dressed to form the window frames. Stops planed on.

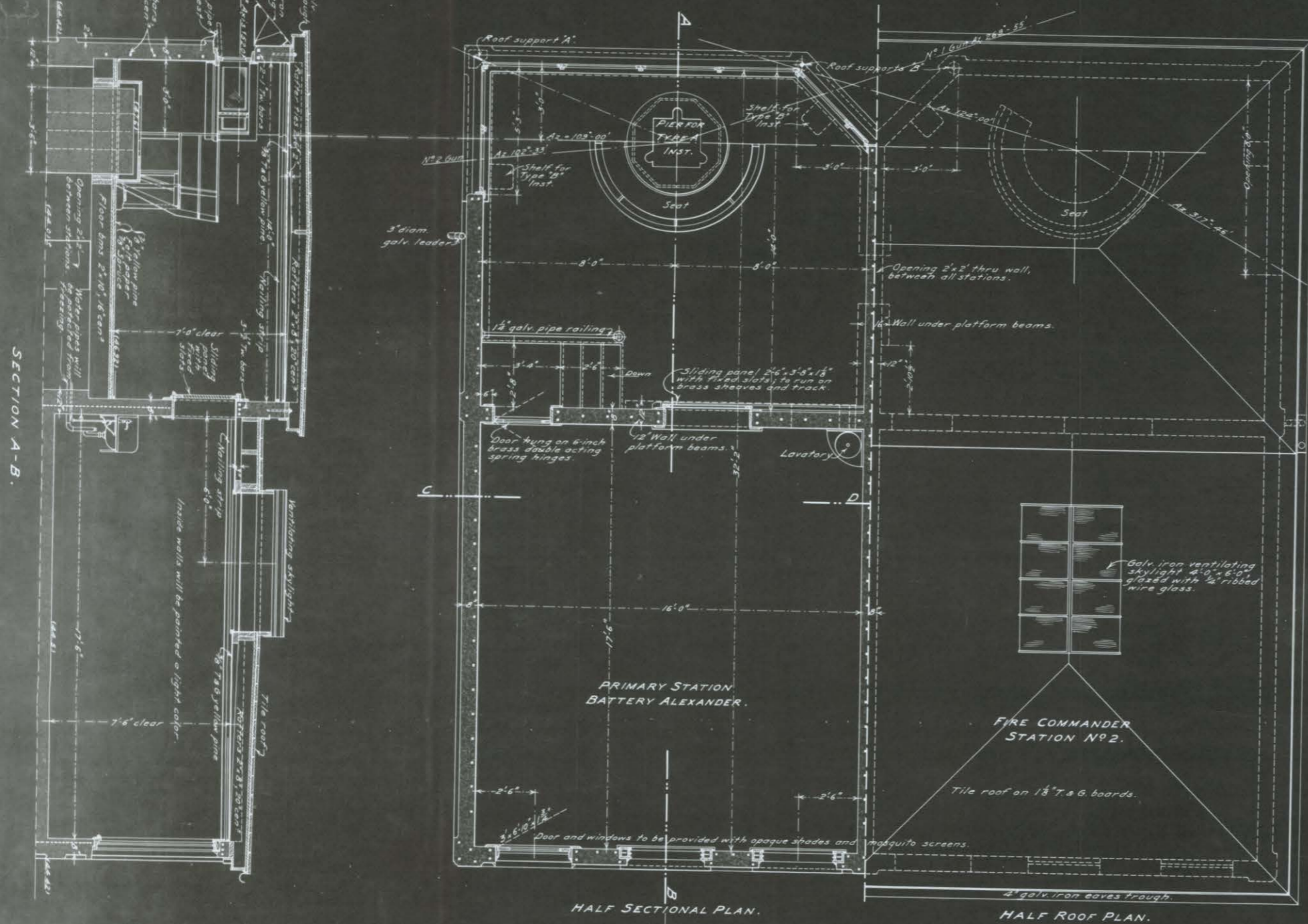
PAINTING. Outside of building to be painted three coats of lead paint of approved quality and color.

———— JOHN H. PEARSON ————

———— C.E. & Supt. of Constn Q.M.D. ————

———— Aug. 19th 1904. ————

Office of Chief of Ordn.
2476 Ave. 1
WARD DEPARTMENT.

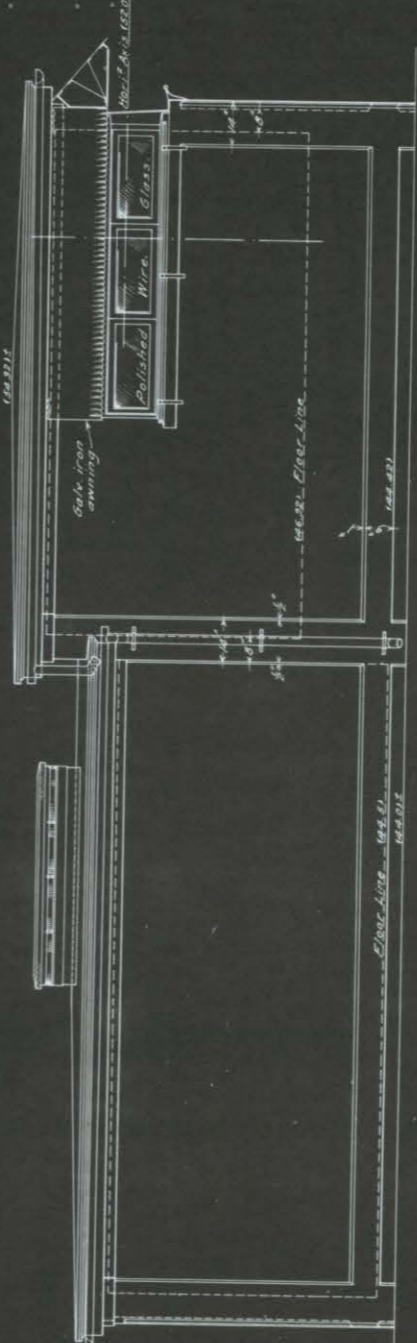


HALF SECTIONAL PLAN.

HALF ROOF PLAN.

SECTION C-D.

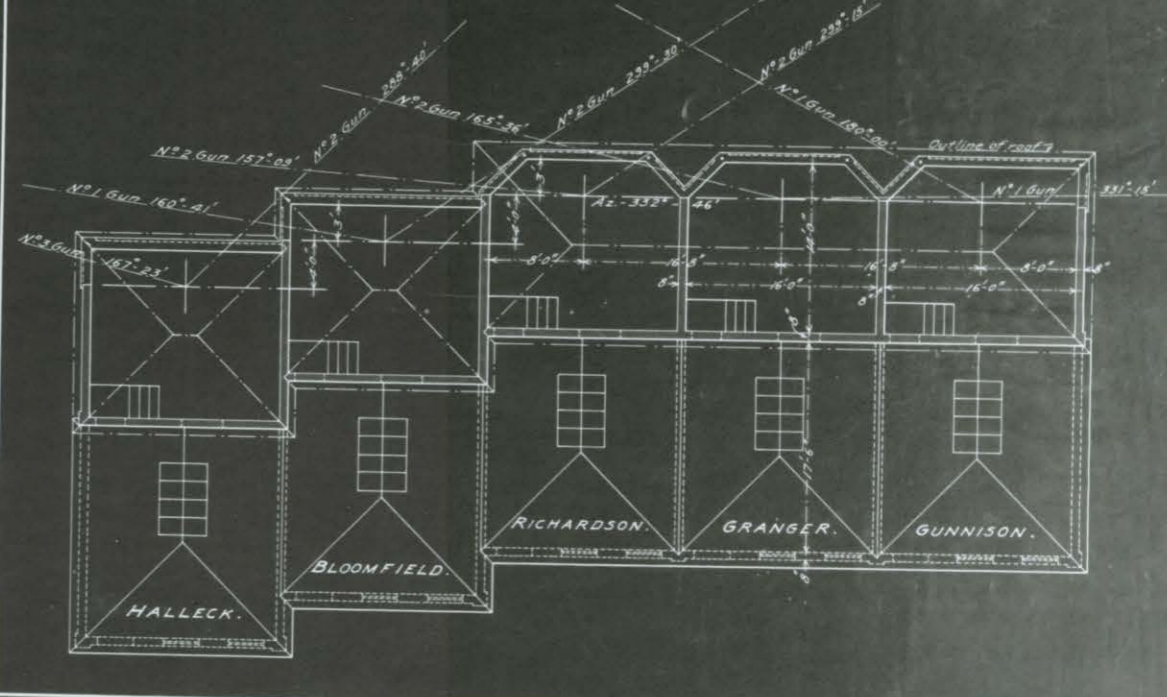
HALF REAR ELEVATION.



SIDE ELEVATION.

PLAN OF
FIVE STATION BUILDING
SHOWING LIMITING AZIMUTHS OF GUNS.
Scale 1 in. = 8 ft.

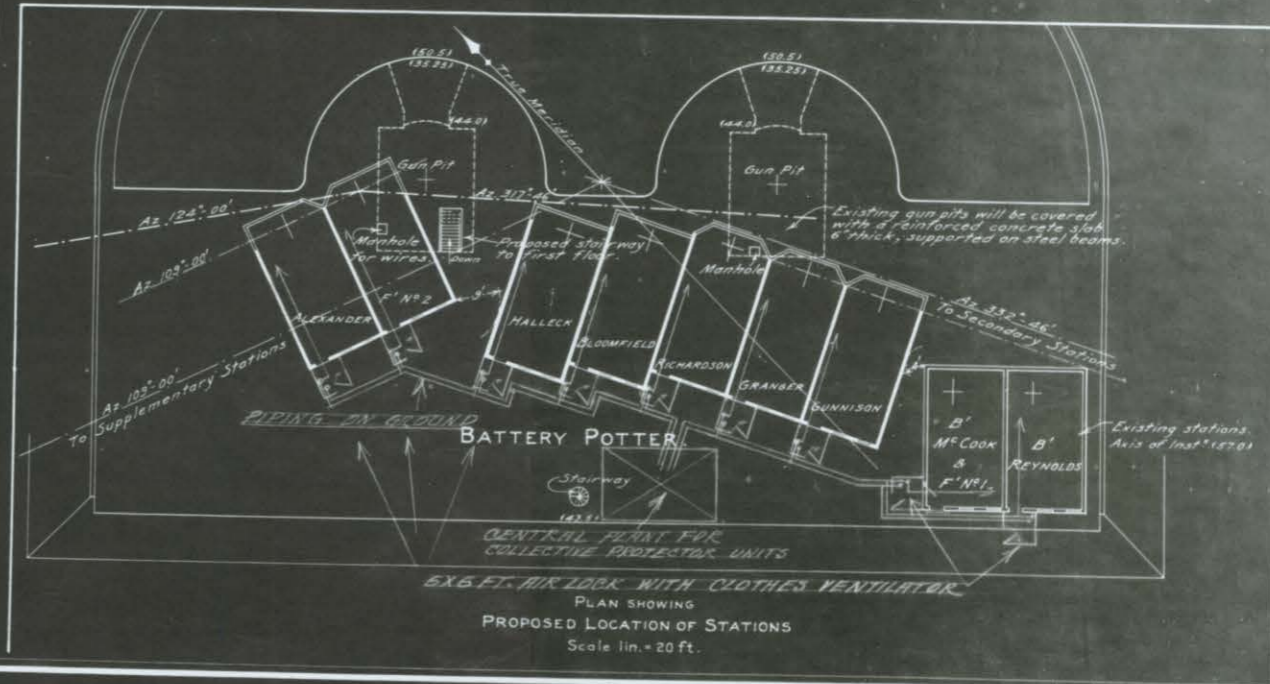
The limiting azimuth of N° 1 gun, Battery Gunnison, to the right is 360° 00'; that of N° 1 gun, Battery Richardson, to the right is 334° 54'. Details of construction will be similar to those shown for two station building.



FORT HANCOCK, N. J.
PLANS FOR
PRIMARY FIRE CONTROL STATIONS
drawn under direction of
LIEUT. COL. W. L. MARSHALL, CORPS OF ENGINEERS, U.S.A.

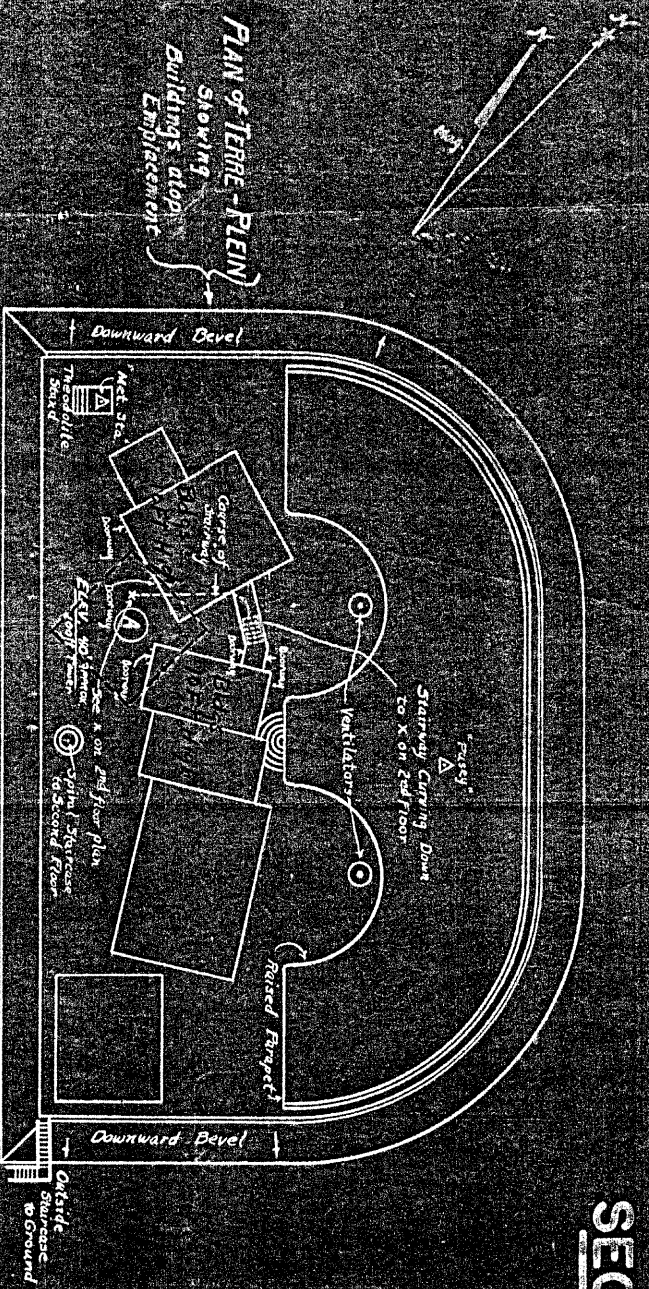
NOVEMBER 1906.
Scale 3/8 in. = 1 ft.

Forwarded to the Chief of Engineers, U.S.A.,
with letter dated November 16, 1906.
Lieut. Col., Corps of Engineers, U.S.A.

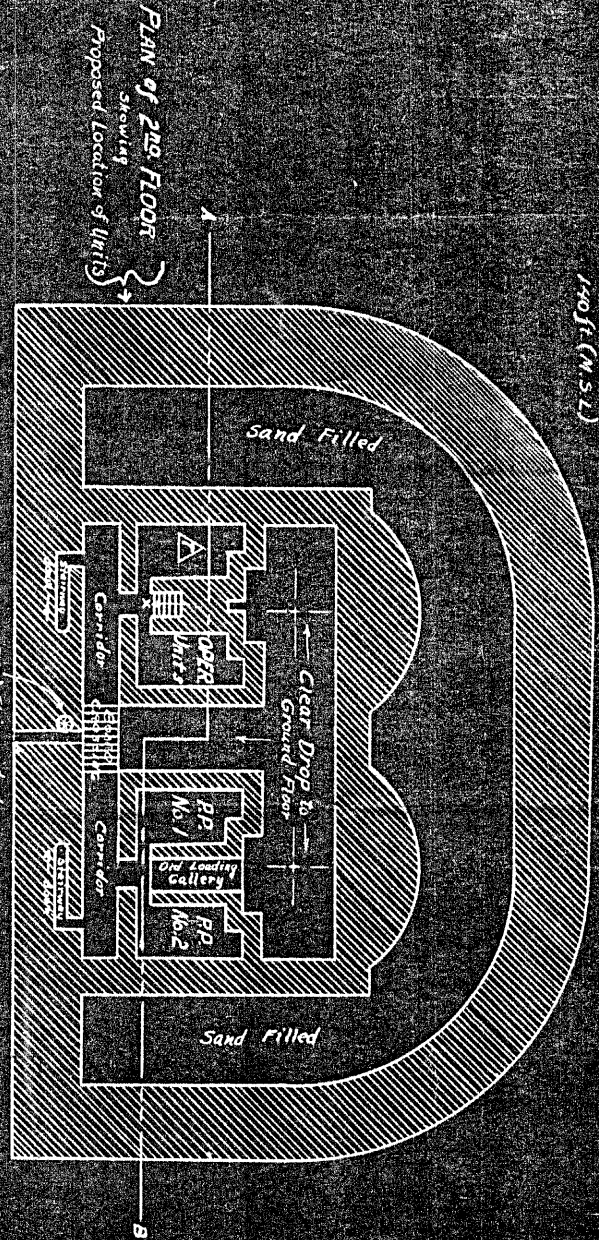


DECLASSIFIED PER EXECUTIVE ORDER 12356, Section 3.3, NND 735036
 By MTH/KUG NARA, Date 6-17-93

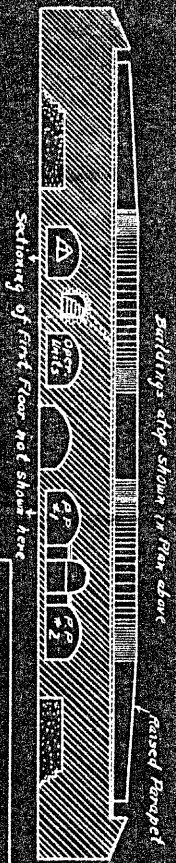
SECRET



Elevation of Antenna Tower.
 140ft. (N.S.L.)



SECTION A-B



Abandoned Potter Emplacement
 Fort Hancock Reservation
 From
 Plane Table Survey by Engineer Drawing
 Scale 1" = 30'
 Exhibit D

GUN LIFT BATTERY NO 1 AT SANDY HOOK, N. J.

PROGRESS SHEET
showing total masonry and the masonry constructed
each month during the fiscal year ending
June 30, 1893.

Prepared under the direction of
LIEUT. COL. G. L. GILLESPIE.
CORPS OF ENGINEERS, U.S.A.

by
First Lieut. J. G. Warren, Corps of Engineers, U.S.A.

Scale 1:20.



Note: Ammunition service track in blue, blue. Steel rail as
Gun metal rails:
Electric Light Plant: Loading Wires:
16 C.P. Lamps:
24 " " "
Portable Lamps 16 C.P.:

Masonry constructed shown thus:

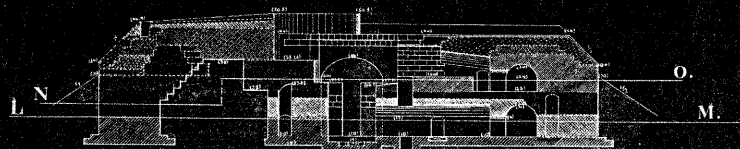
	July 1891.		April 1892.		May 1893.
	August 1891.		May " "		June " "
	Sept. " "		June " "		
	Oct. " "		July " "		
	Nov. " "		August " "		
	Dec. " "		Sept. " "		
			Oct. " "		
			Nov. " "		
			Dec. " "		

ENGINEER OFFICE, U.S. ARMY,
NEW YORK, N.Y., July 8, 1893.

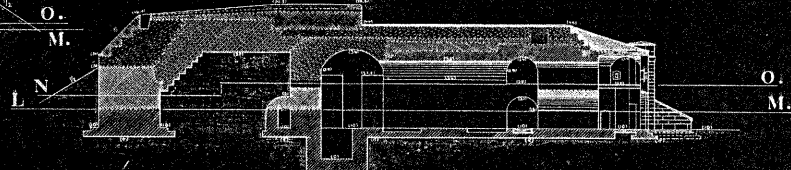
To accompany Annual Report to the Chief of Engineers, U.S.A.
G. L. Gillespie
Lieut. Col. of Engineers, U.S.A.



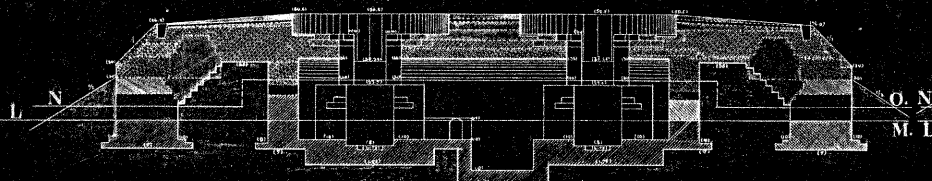
SECTION C-1-2-D.



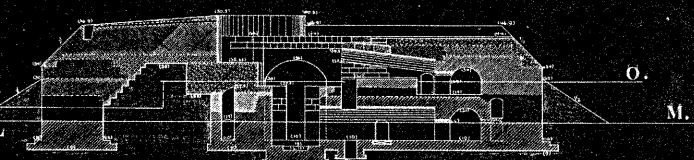
SECTION C-II.



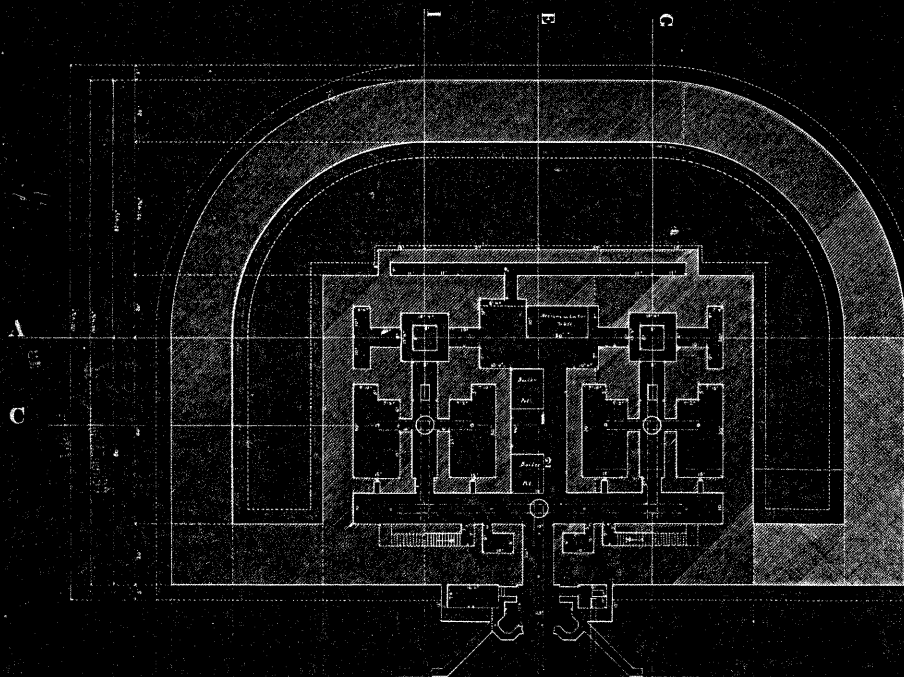
SECTION E-F.



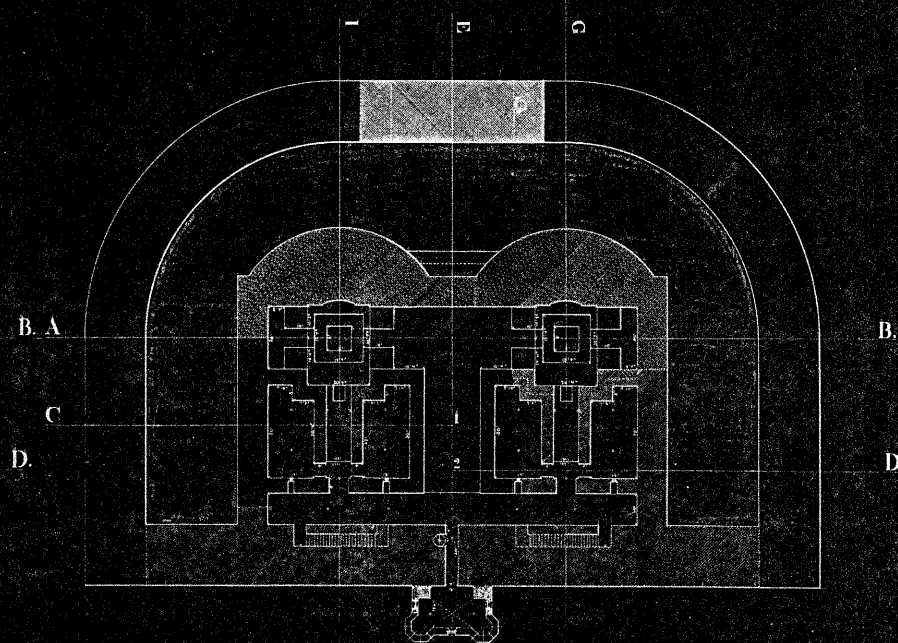
SECTION A-B.



SECTION I-K.

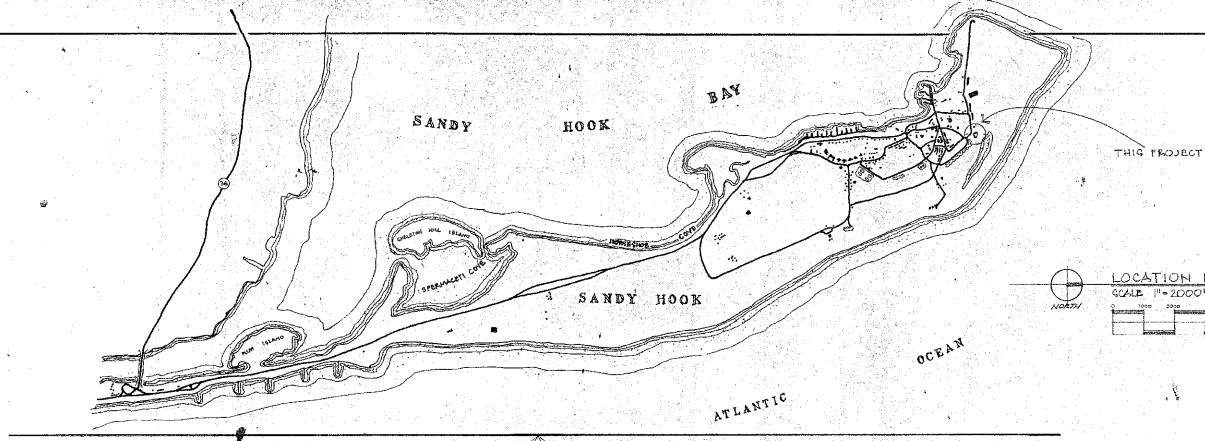


PLAN and HORIZONTAL SECTION L-M.



PLAN and HORIZONTAL SECTION N-O.

PAK 11759 (REV. MAR 2004)



US DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

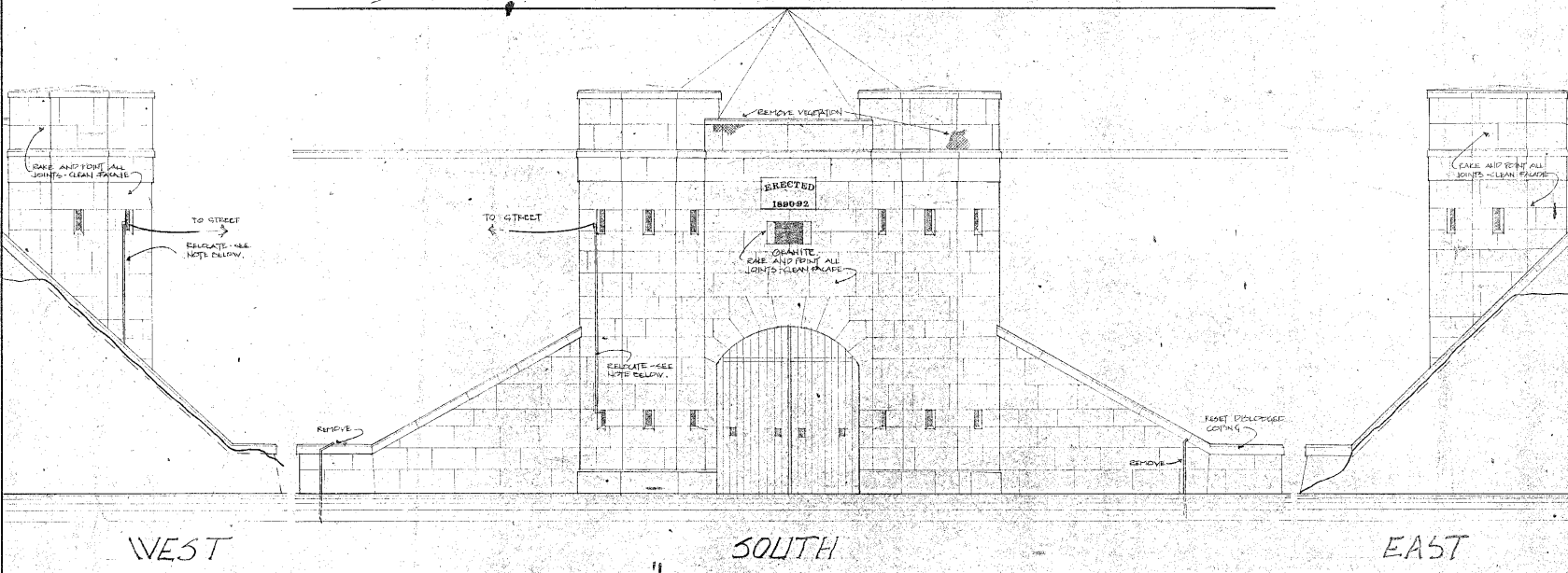
*Gateway National
Recreation Area*

Sandy Hook Unit

STABILIZATION
OF
BATTERY POTTER

SHEET INDEX

- 1 ELEVATIONS / LOCATION PLAN
- 2 PLAN AT FIRST LEVEL
- 3 PLAN AT SECOND LEVEL
- 4 SECTIONS EXISTING CONDITIONS / DEMOLITION
- 5 SECTIONS NEW CONSTRUCTION
- 6 DETAILS / ROOF PLAN



ELEVATIONS

RECOMMENDED	Assistant Manager	Date
	Superintendent	Date
APPROVED	<i>[Signature]</i>	<i>[Date]</i>
	Asst. Dir. - Region	Date

CONSTRUCTION DRAWINGS
UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
NORTH ATLANTIC HISTORIC PRESERVATION CENTER

DESIGNED: W. SEDONIC
DRAWN: GEGONAL/BJOCHRE
TECH. REVIEW: EB CLIVER
DATE: 6/04
SUB SHEET NO.

TITLE OF DRAWING
STABILIZATION OF BATTERY POTTER -
LOCATION WITHIN PARK
SANDY HOOK UNIT
NAME OF PARK
GATEWAY
NATIONAL RECREATION AREA
N. ATLANTIC, MONMOUTH, NEW JERSEY
COUNTY STATE

DRAWING NO. 666 50400
PKG. NO. 1
SHEET OF 3

MASS CONCRETE
FINISHING CONSTRUCTION

A
5

A
7

CONCRETE TEMPORARY WALL
TO PROTECT ALL EXTERIOR
SURFACES TO REMAIN
AND TO CONTAIN DEMOLITION
DEBRIS - REFER TO
STRUCTURAL SECTION - 02100

B
4

B
5

A
6

A
8

MASS CONCRETE
FINISHING CONSTRUCTION

A
6

A
8

FORM UP

FORM UP

GRABIT RETAINING WALLS
FACE AND POINT ALL
JOINTS,
SEAM SURFACES
(WEST WALL SIMILAR)



PLAN AT FIRST LEVEL

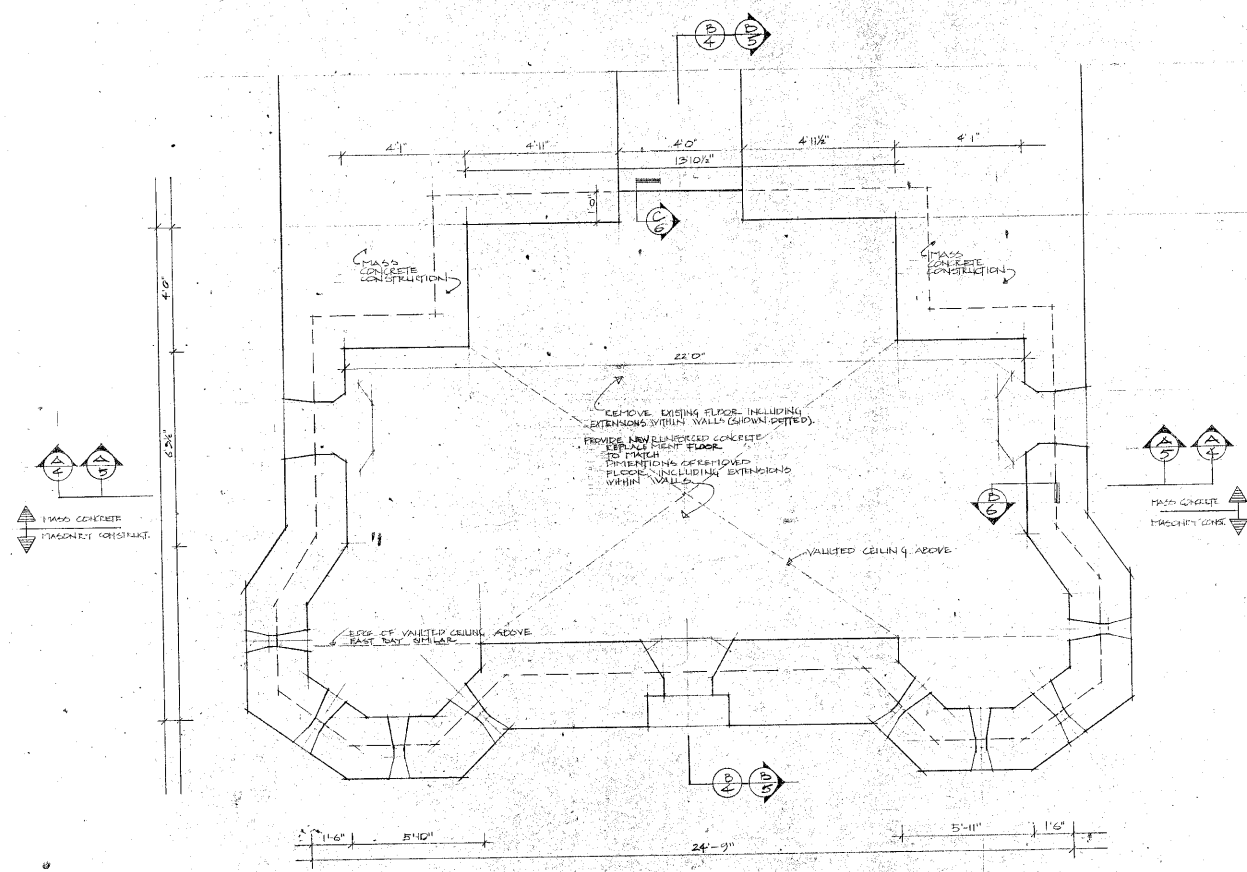


DESIGNED:
W. SEDOVIC
DRAWN:
SECONDY/URBE
TECH. REVIEW:
BRCLINER
DATE: 6/84

SUB SHEET NO.

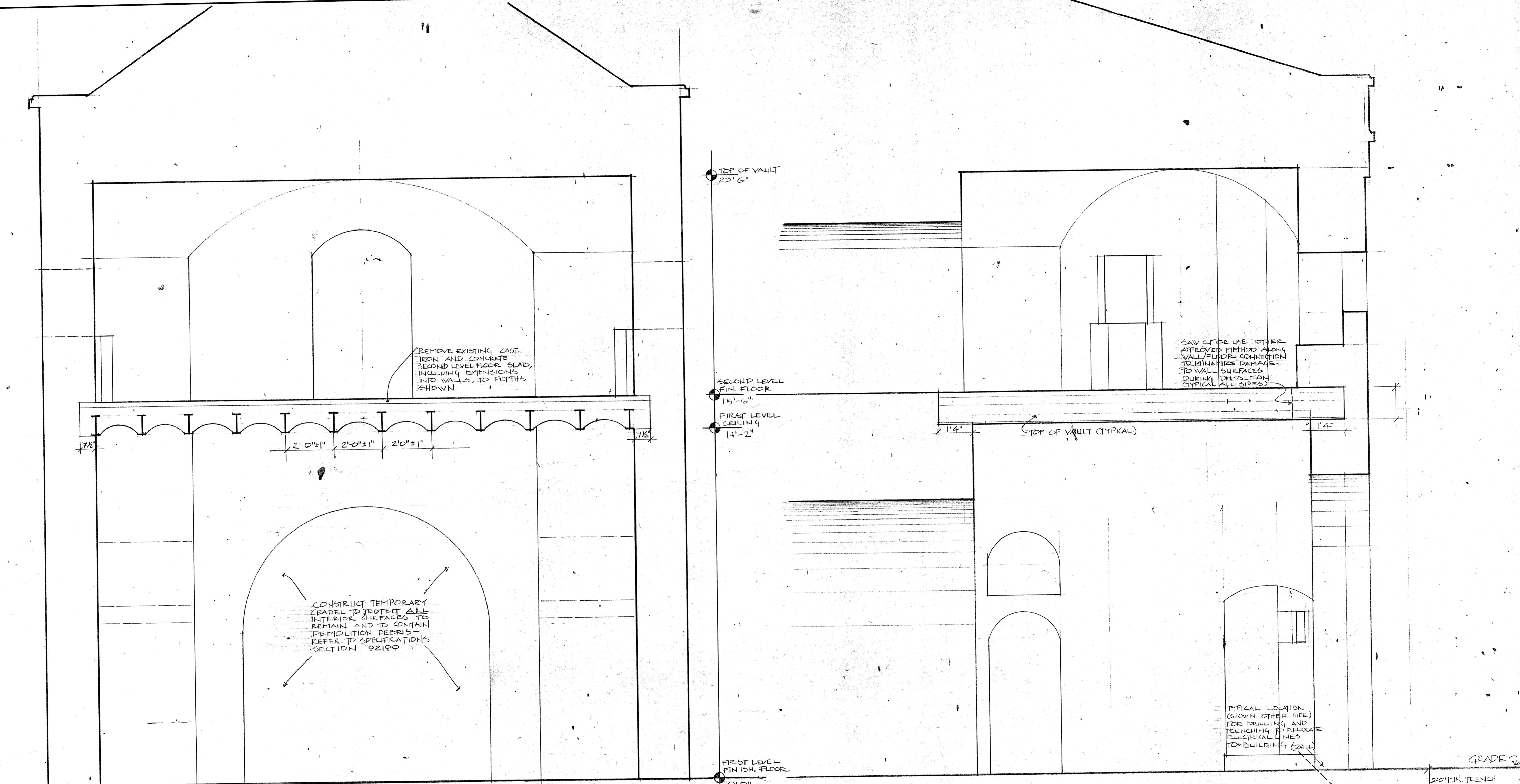
TITLE OF SHEET
NATIONAL PARK SERVICE
GATEWAY N.P.S. A
SANDY HOOK UNIT
STABILIZATION
BATTERY POTTER
HIGHLANDS NEW JERSEY

DRAWING NO.
348
30400
PKG. NO.
SHEET
2
OF 2




PLAN
 AT SECOND LEVEL
 10' PLT
 SCALE: 1/2" = 1'-0"

DESIGNED: W SEDONIC	SUB SHEET NO.	TITLE OF SHEET NATIONAL PARK SERVICE GATEWAY SANDY HOOK UNIT STABILIZATION BATTERY POTTER	DRAWING NO. 646 50400
DRAWN: SCOVILLE/GEORGE			PKG. NO. 3
TECH. REVIEW: BB CLIVER			SHEET OF 5
DATE: 6/84		HIGHLANDS NEW JERSEY	

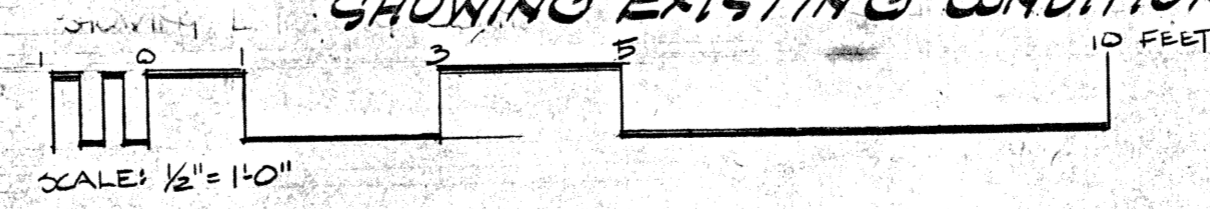


A LOOKING NORTH

B LOOKING EAST

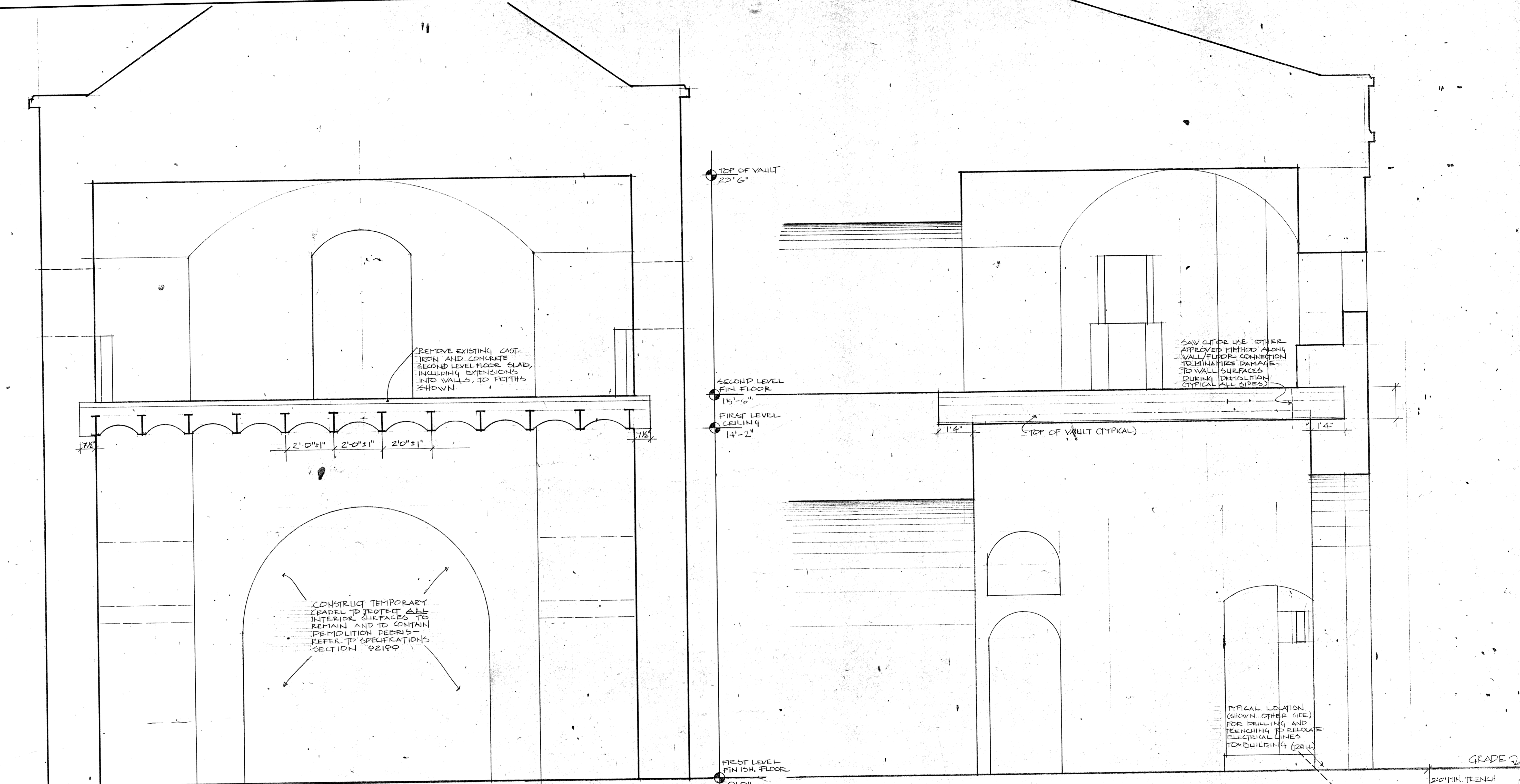
SECTIONS

SHOWING EXISTING CONDITIONS/REQ'D DEMOLITION



DESIGNED: YSEDOVIC	SUB SHEET NO.	TITLE OF SHEET NATIONAL PARK SERVICE GATEWAY N.P.A. SANDY HOOK UNIT STABILIZATION BATTERY POTTER.	DRAWING NO. 646 80400
DRAWN: K. GEORGE			PKG. NO. SHEET 4
TECH. REVIEW: ED CLIVER			OF 6
DATE: 6/84		HIGHLANDS NEW JERSEY	

DRILL TO MEET TRENCH AT 2'-0" BELOW GRADE

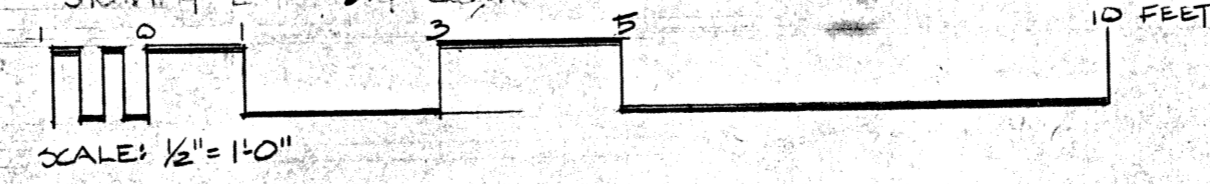


A LOOKING NORTH

B LOOKING EAST

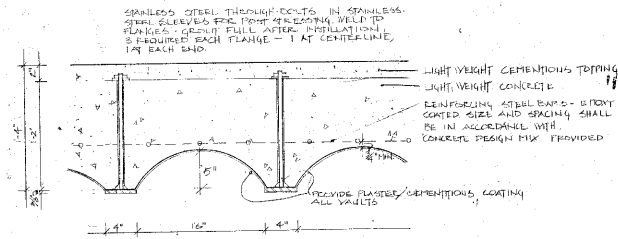
SECTIONS

SHOWING EXISTING CONDITIONS/REQ'D DEMOLITION

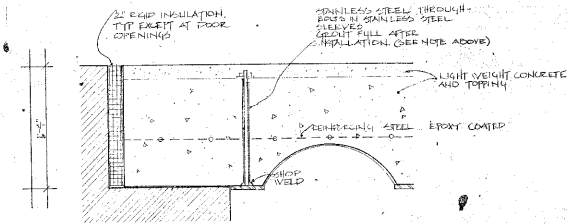


DESIGNED: YSEDOVIC	SUB SHEET NO.	TITLE OF SHEET NATIONAL PARK SERVICE GATEWAY N.P.A. SANDY HOOK UNIT STABILIZATION BATTERY POTTER.	DRAWING NO. 646 80400
DRAWN: K. GEORGE			PKG. NO. SHEET 4
TECH. REVIEW: ED CLIVER			OF 6
DATE: 6/84		HIGHLANDS NEW JERSEY	

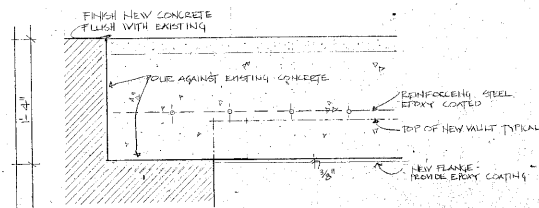
DRILL TO MEET TRENCH AT 2'-0" BELOW GRADE



A SECTION
THRU NEW SLAB
SCALE: 1/2" = 1'-0"



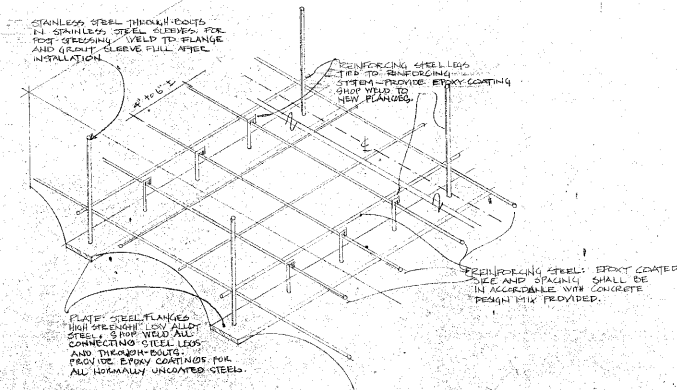
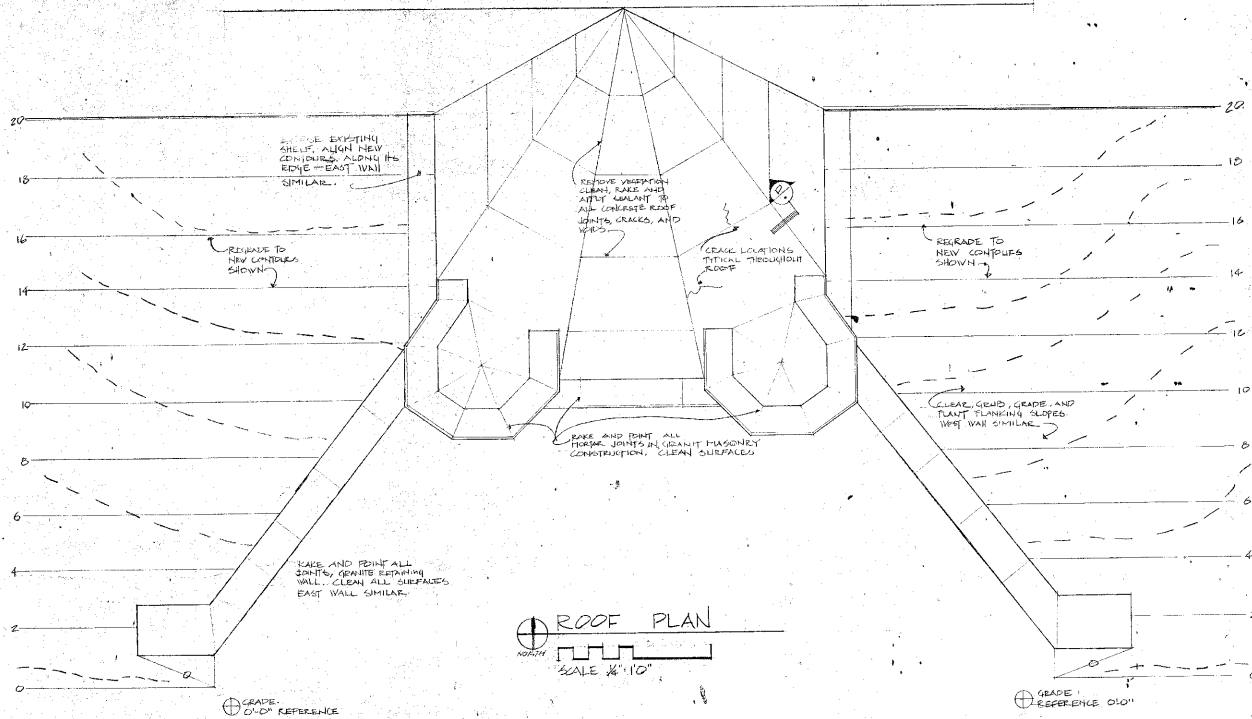
B TRANSVERSE SECTION
AT WALL
SCALE: 1/2" = 1'-0"



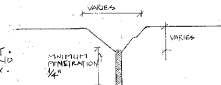
C LONGITUDINAL SECTION
AT DOOR OPENING



D SCHEMATIC
REINFORCING DIAGRAM
1/4" = 1'-0" SCALE

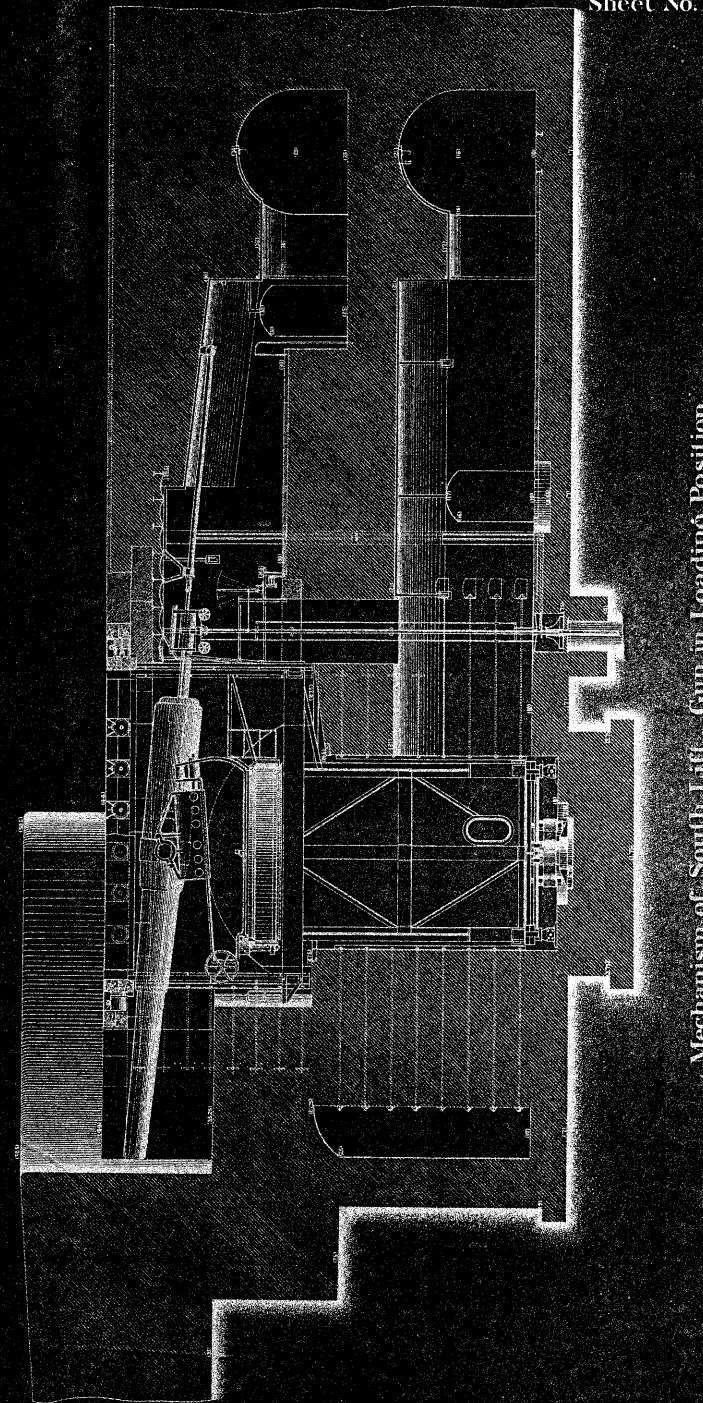
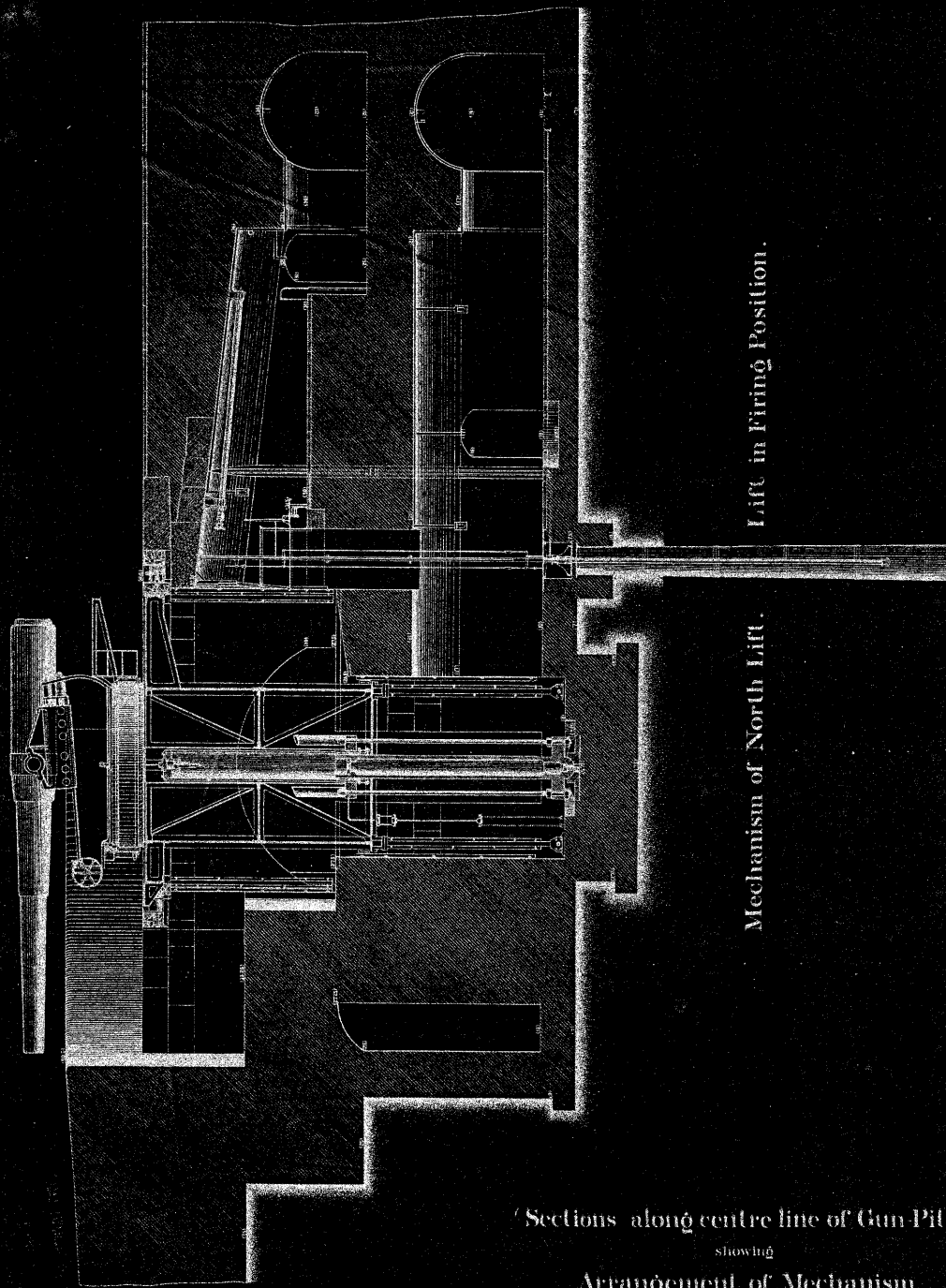


ROUT ALL JOINTS, CRACKS AND NOTCHES TO SOUND SURFACE. APPLY GRROUT TO DEPTH OF LEAK AND TOOL SLIGHTLY CONVEX.



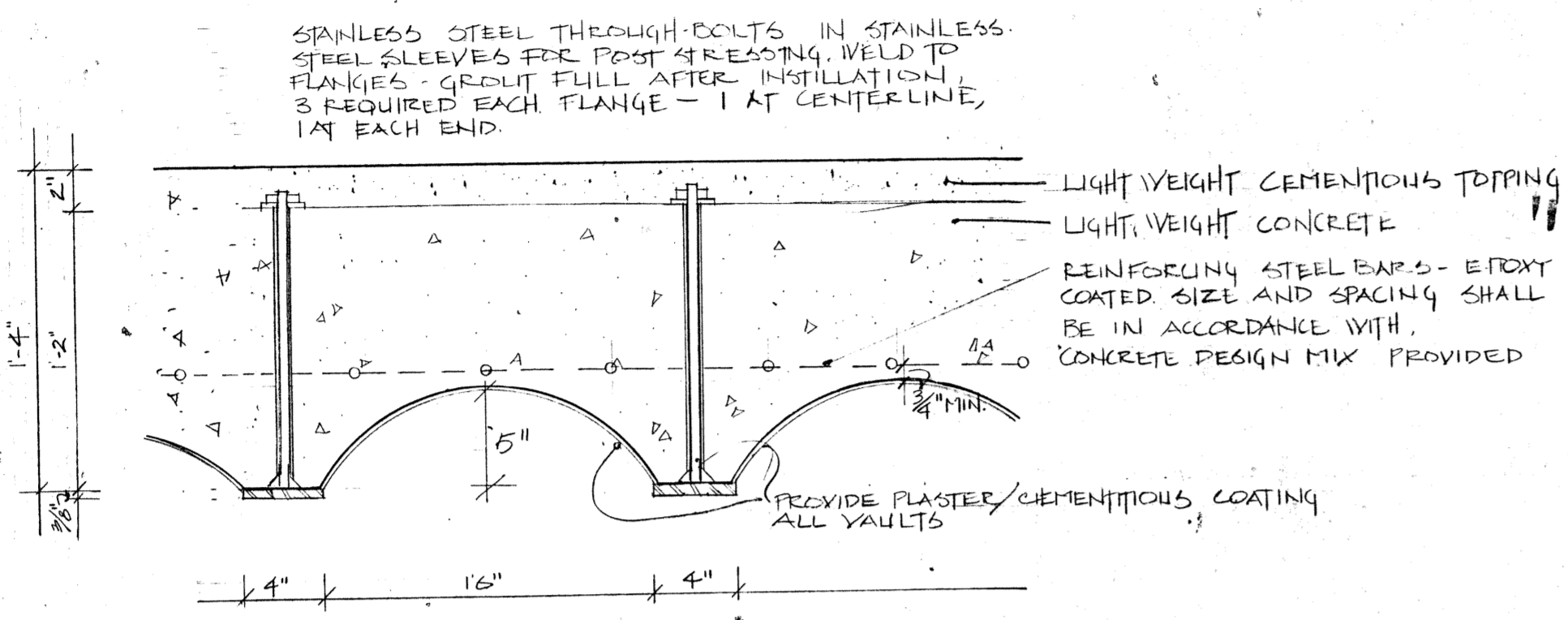
D JOINT FILL DETAIL
NTS

DESIGNED BY GEDOVIC	SUB SHEET NO.	TITLE OF SHEET NATIONAL PARK SERVICE GATEWAY SANDY HOOK UNIT STABILIZATION BATTERY POTTER.	DRAWING NO. 649 60409
DRAWN BY K. GEORGE		PRG. NO. 6	SHEET 6
TECH. REVIEW BY EDOLIVER		DATE 6/84	OF 6
HIGHLANDS		NEW JERSEY	

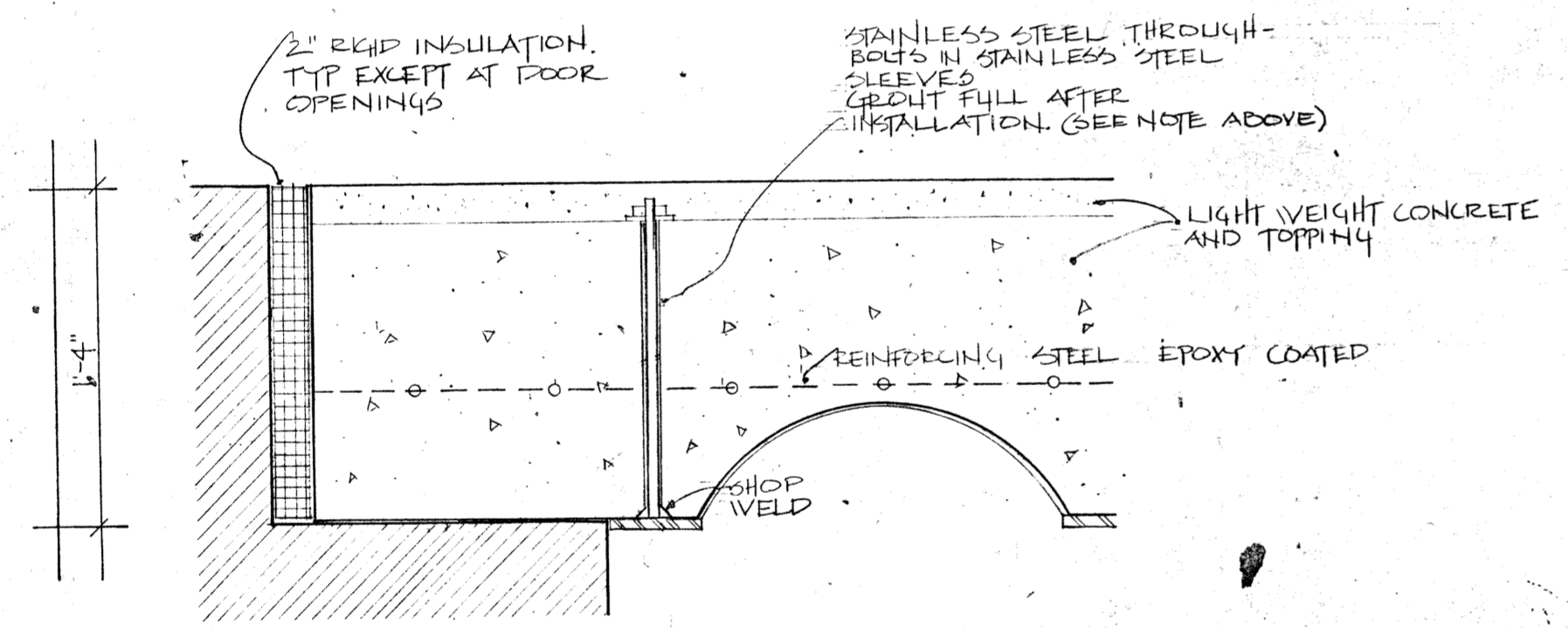


Sections along centre line of Gun-Pits
showing
Arrangement of Mechanism.

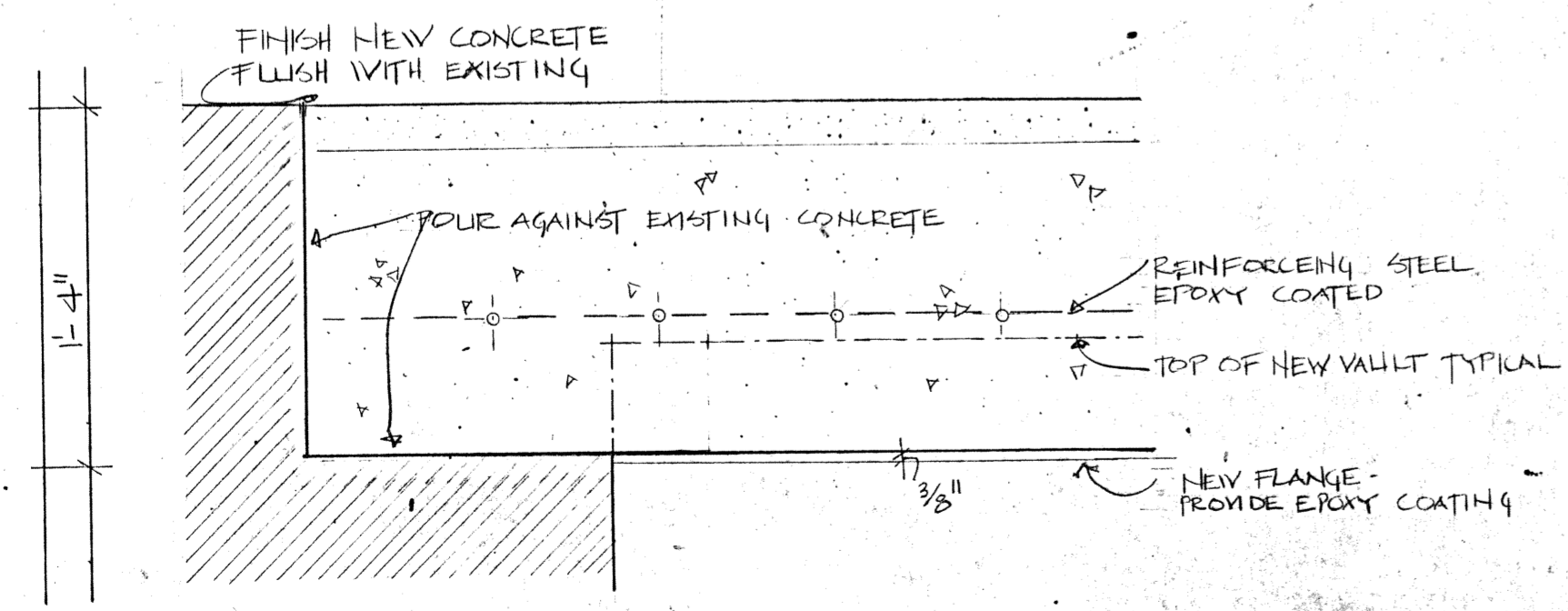
Scale 3/16"=1'



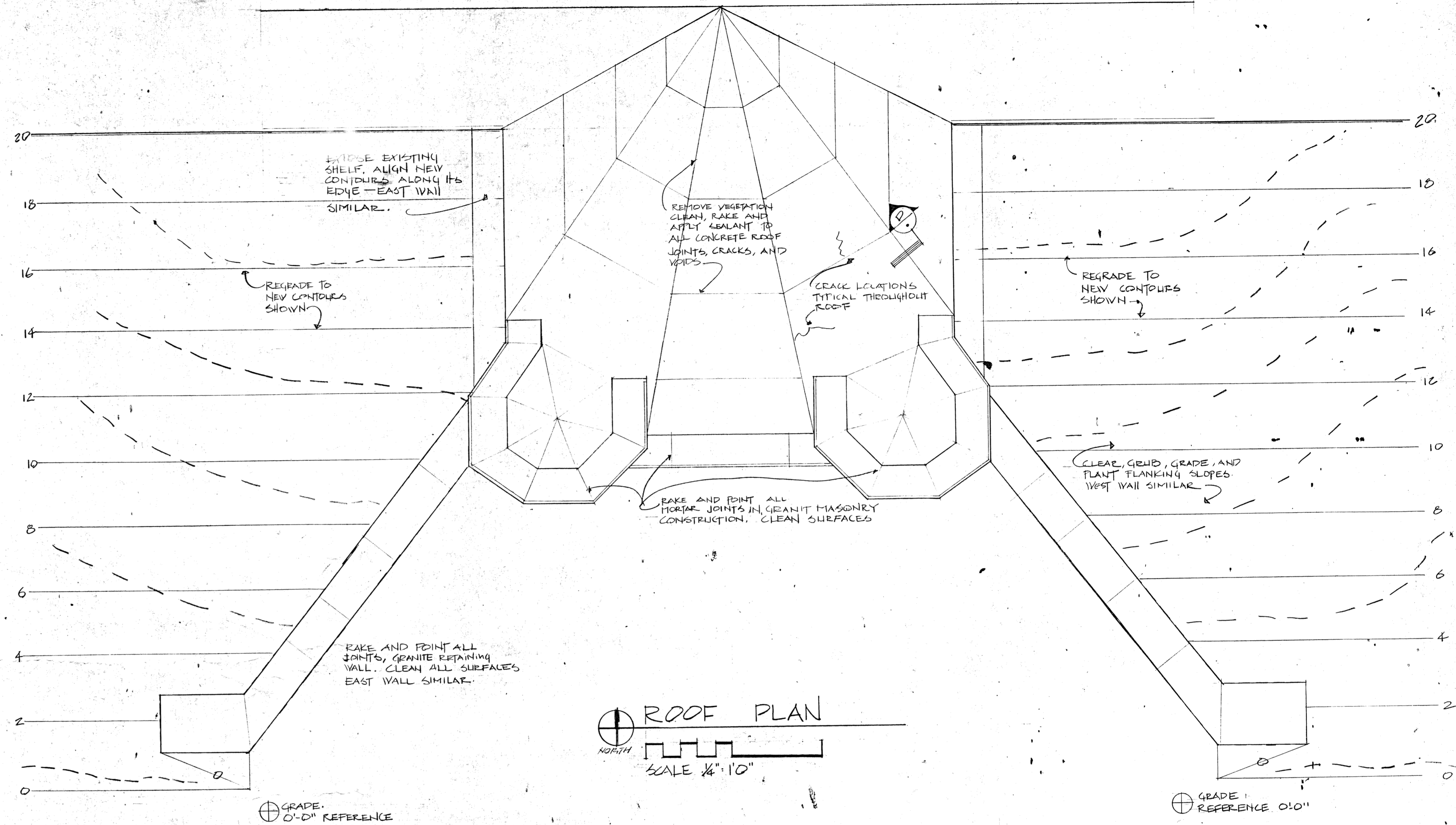
A SECTION
THRU NEW SLAB
SCALE 1/2" = 1'-0"



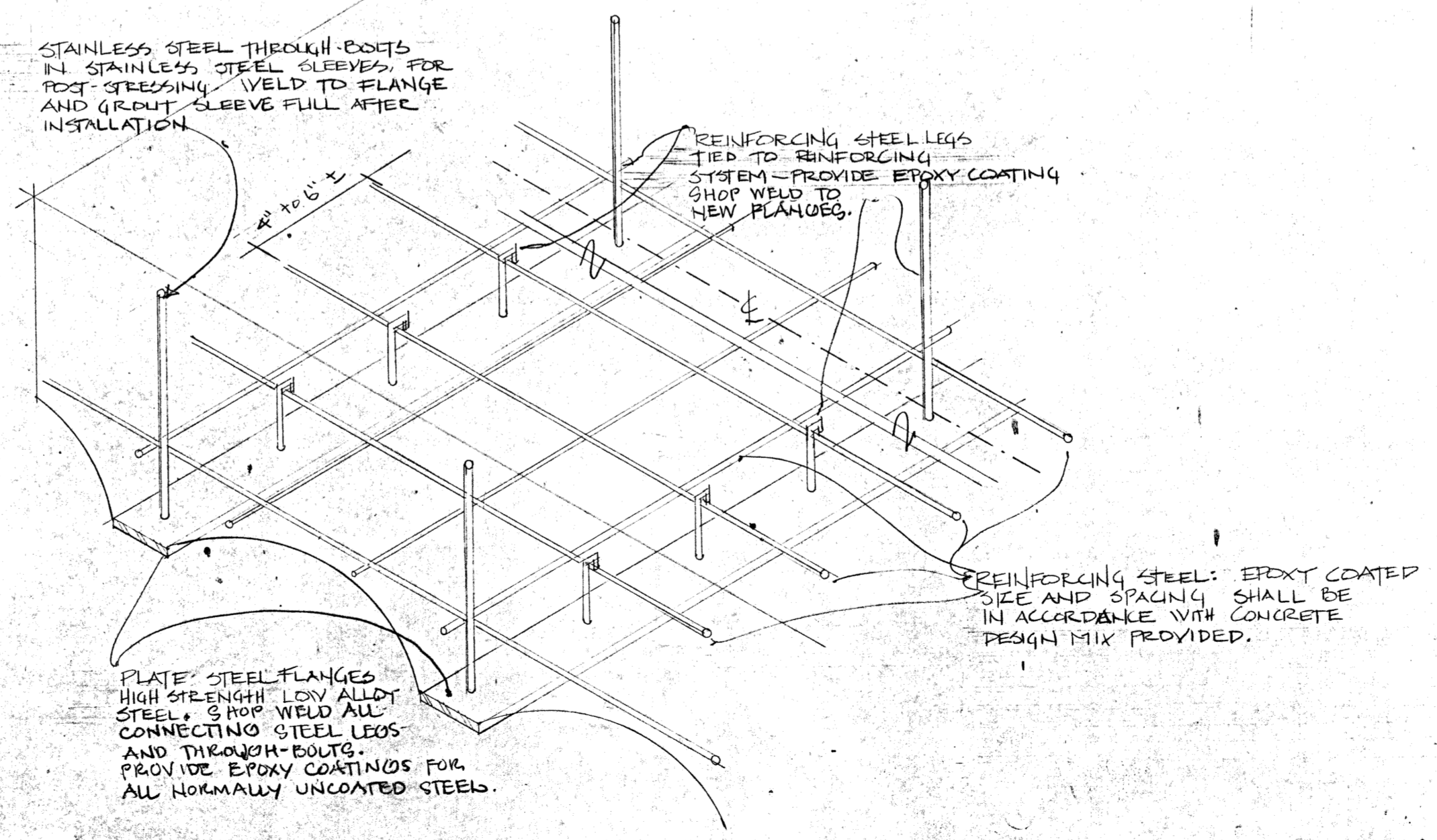
B TRANSVERSE SECTION
AT WALL
SCALE 1/2" = 1'-0"



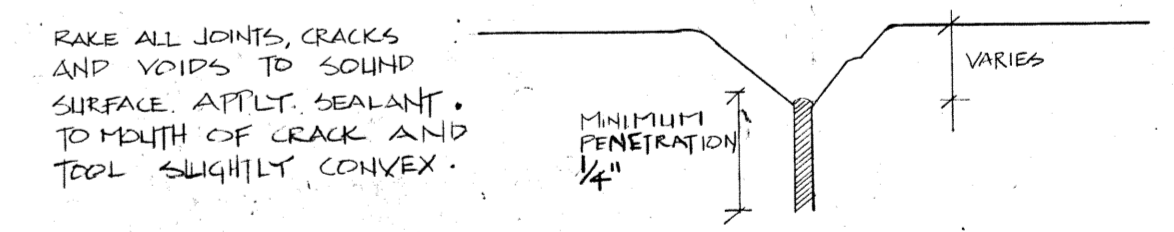
C LONGITUDINAL SECTION
AT DOOR OPENING
SCALE: 1/2" = 1'-0"



ROOF PLAN
SCALE 1/4" = 1'-0"

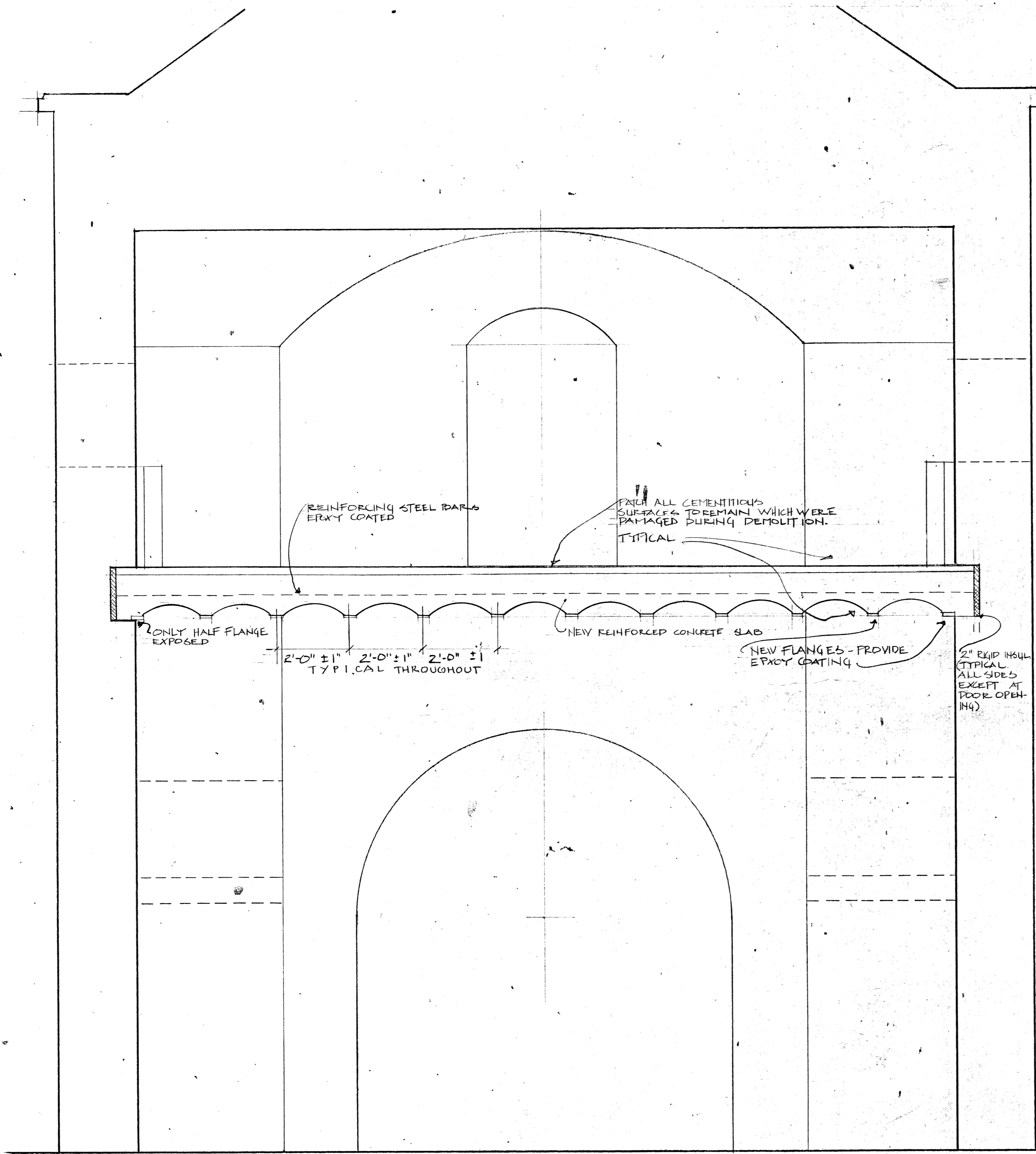


E SCHEMATIC
REINFORCING DIAGRAM
NOT TO SCALE

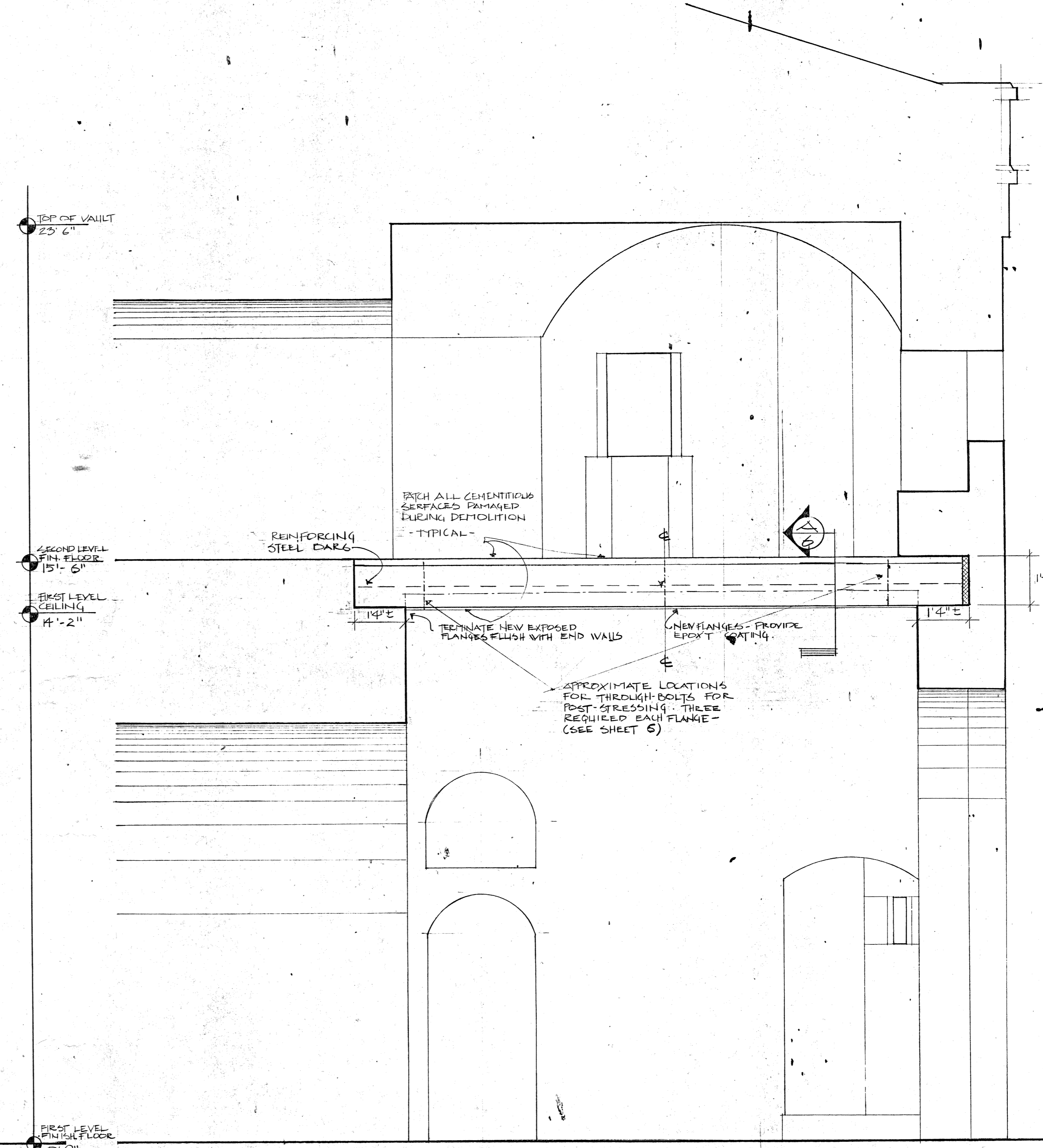


D JOINT FILL DETAIL
NOT TO SCALE

DESIGNED: GEDOVIC	SUB SHEET NO.	TITLE OF SHEET NATIONAL PARK SERVICE GATEWAY N.P.S. GANDY HOOK UNIT STABILIZATION OF BATTERY POTTER. HIGHLANDS NEW JERSEY	DRAWING NO. 646 80400
DRAWN: K. GEORGE			PKG. NO. SHEET 6
TECH. REVIEW: E. GLYNN			OF 5
DATE: 6/84			



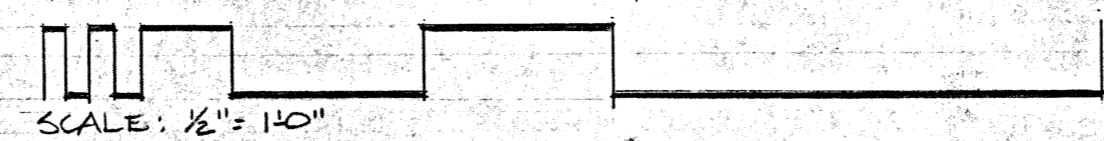
(A) LOOKING NORTH



(B) LOOKING EAST

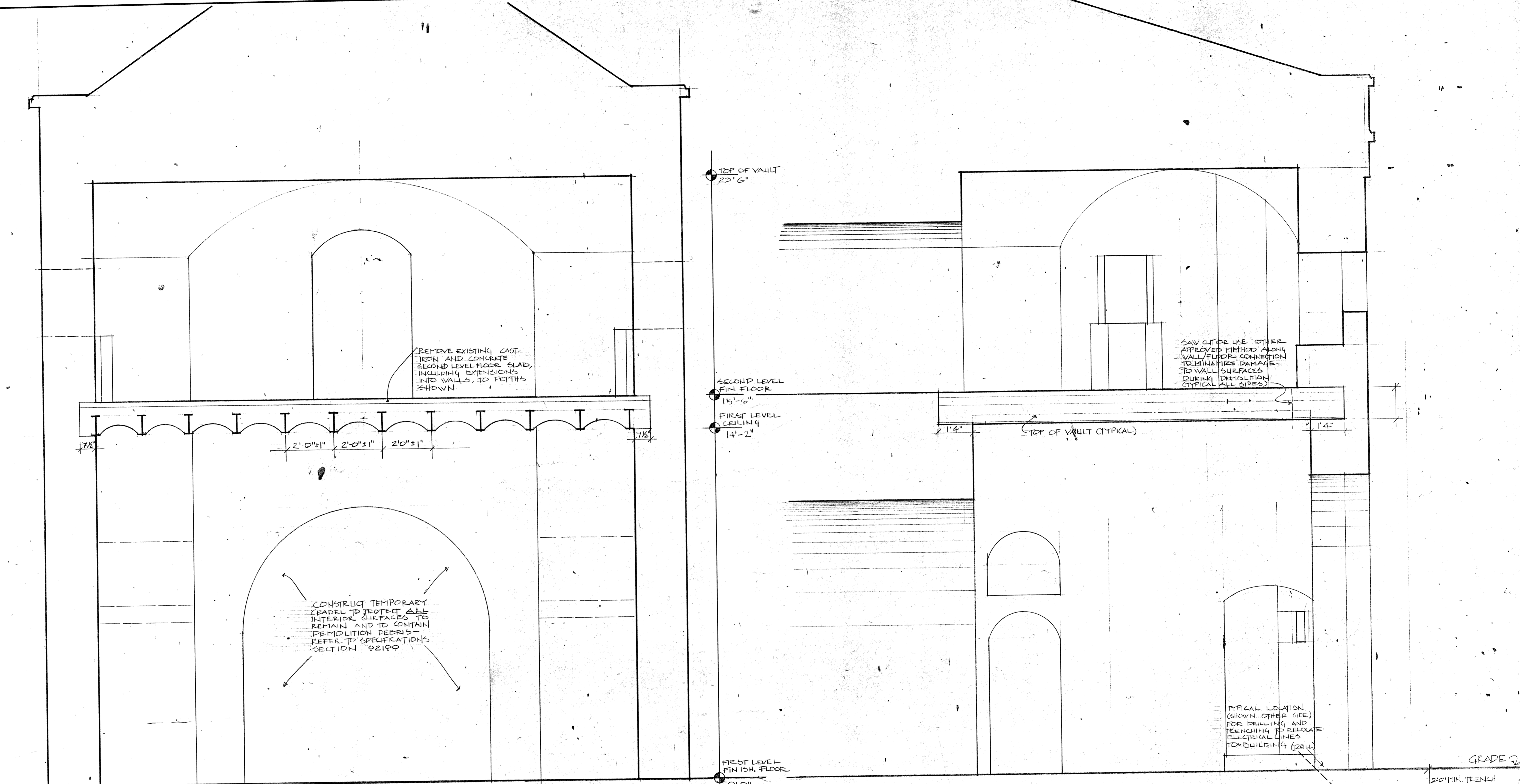
SECTIONS

SHOWING NEW CONSTRUCTION



SCALE: 1/8" = 1'-0"

DESIGNED: V SEDOVIC	SUB SHEET NO. 1	TITLE OF SHEET NATIONAL PARK SERVICE GATEWAY N.P.S.A SANDY HOOK UNIT	DRAWING NO. 646 80400
DRAWN: K. GEORGE		STABILIZATION OF BATTERY POTTER.	PKG. NO. 3
TECH. REVIEW: BB OLIVER		HIGHLANDS NEW JERSEY	SHEET OF 2
DATE: 6/84			

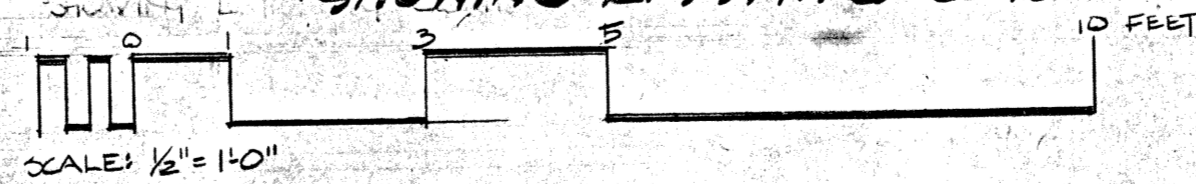


(A) LOOKING NORTH

(B) LOOKING EAST

SECTIONS

SHOWING EXISTING CONDITIONS/REQ'D DEMOLITION



DESIGNED: YSEDOVIC	SUB SHEET NO.	TITLE OF SHEET NATIONAL PARK SERVICE GATEWAY N.P.A. SANDY HOOK UNIT STABILIZATION BATTERY POTTER.	DRAWING NO. 646 80400
DRAWN: K. GEORGE			PKG. NO. SHEET 4
TECH. REVIEW: ED CLIVER			OF 6
DATE: 6/84		HIGHLANDS NEW JERSEY	