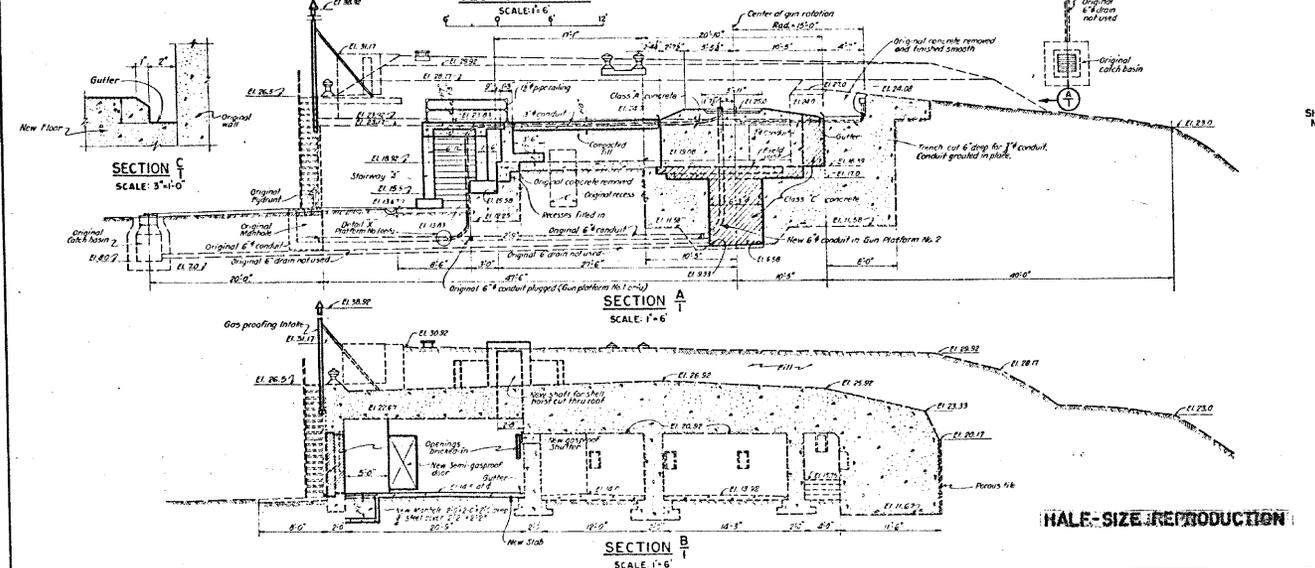


**GUN PLATFORM NO. 1
MODIFICATIONS FOR GUN PLATFORM NO. 2
SAME BUT OPPOSITE HAND EXCEPT AS SHOWN**

**SECTIONAL PLAN
SCALE 1/4" = 1'-0"**



**SECTION C
SCALE 3/4" = 1'-0"**

**SECTION A
SCALE 1/4" = 1'-0"**

**SECTION B
SCALE 1/4" = 1'-0"**

INDEX TO DRAWINGS

SHEET NO.	TITLE	FILE NO.
1	GENERAL PLAN AND DETAILS	FNY - 2073
2	STRUCTURAL DETAILS NO. 1	FNY - 2074
3	STRUCTURAL DETAILS NO. 2	FNY - 2075
4	STRUCTURAL DETAILS NO. 3	FNY - 2076
5	GASPROOFING & HEATING DETAILS	FNY - 2077
6	MISCELLANEOUS DETAILS	FNY - 2078
7	GASPROOF DOOR & SHUTTER	FNY - 2079
8	BAR LIST	FNY - 2080

EXPLANATION OF SECTION DESIGNATION

The section designations used are represented by fractions, the numerator of which is the section reference and the denominator the sheet number on which the section is taken or shown.

RECORD DRAWING

CERTIFIED AS CONSTRUCTED 21, OCT. 1943.

Richard P. ...
Chief, Corps of Engineers

HALF-SIZE REPRODUCTION

DATE	REV. NO.	REVISED OR CONSTRUCTED	BY	APP.

GENERAL NOTES

Elevations shown are in feet and refer to the plane of Mean Low Water which is 2.33 feet below Mean Sea Level of Sandy Hook, New Jersey. True North conforms to the Special Lambert System as developed by the U.S.C. & G. Survey for Sandy Hook, New Jersey. Where new concrete was poured against old concrete, the old concrete surface was thoroughly cleaned and roughened to provide bond. All exposed concrete corners have 1" chamfer. All steel reinforcement has 3" cover unless otherwise noted. Expansion joints are painted with two coats of asphalt primer. Welding symbols conform to the standards of the American Welding Society.

CONFIDENTIAL

**HARBOR DEFENSES OF NEW YORK
BATTERY GUNNISON
ALTERATIONS & ADDITIONS
GENERAL PLAN AND DETAILS**

FORT HANCOCK NEW JERSEY

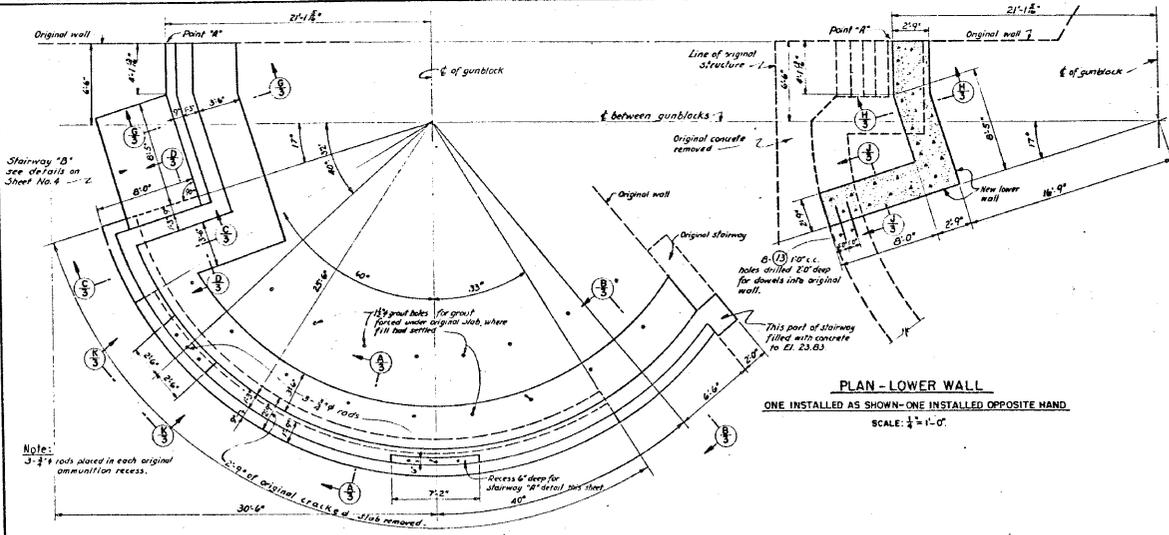
IN 8 SHEETS SHEET NO. 1

SCALE AS SHOWN

U.S. ENGINEER OFFICE NEW YORK DISTRICT, NEW YORK, FEB. 16, 1943

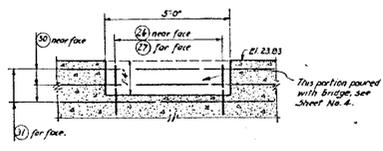
Schema Re-arranged Approved
Stanley S. Havelle Charles A. Paine
Engineer Lt. Col., Corps of Engineers Lt. Col., Corps of Engineers

646/62442

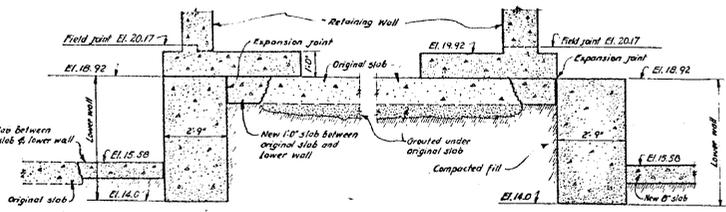


PLAN - LOWER WALL
 ONE INSTALLED AS SHOWN - ONE INSTALLED OPPOSITE HAND
 SCALE: 1/4" = 1'-0"

PLAN - RETAINING WALL FOR PLATFORM NO. 1
 RETAINING WALL FOR PLATFORM NO. 2 OPPOSITE HAND
 SCALE: 1/4" = 1'-0"

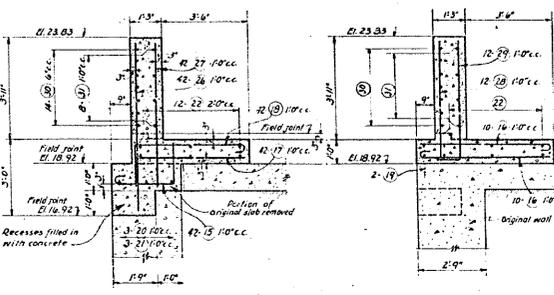


SECTION 1



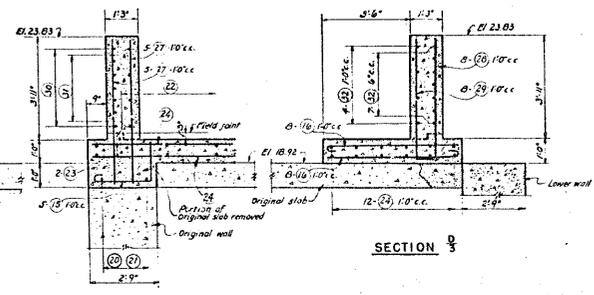
SECTION 2

SECTION 3



SECTION 4

SECTION 5

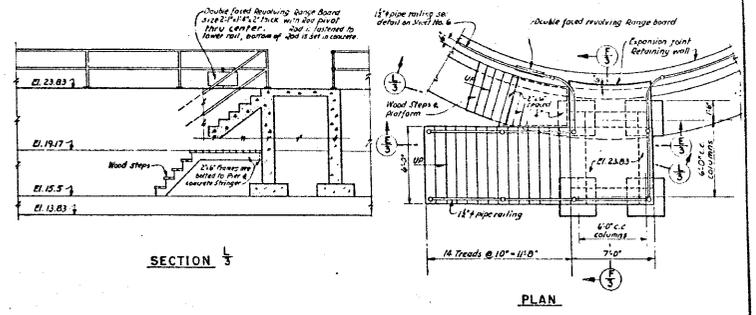
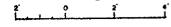


SECTION 6

SECTION 7

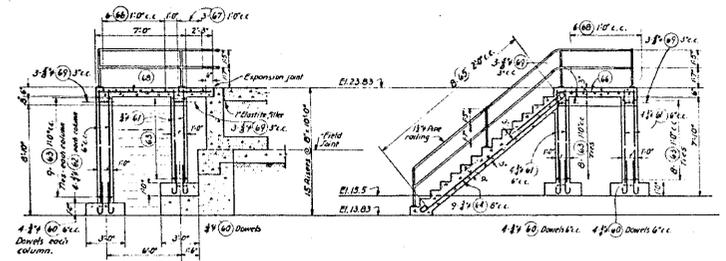
WALL SECTIONS

SCALE: 1/4" = 1'-0"



SECTION 8

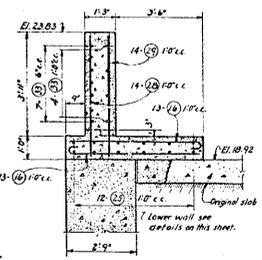
PLAN



SECTION 9

SECTION 10

STAIRWAY "A"
 ONE INSTALLED AS SHOWN - ONE OPPOSITE HAND
 SCALE: 1/4" = 1'-0"



SECTION 11

NOTES:
 For general notes applying to this sheet see Sheet No. 1.
 For additional structural details see Sheets No. 2 & 4.
 For location of stairs & retaining walls see Sheet No. 1.
 All steel reinforcement shown on this sheet is 1/2" unless otherwise noted.
 For bar list see Sheet No. 8.

446/22442

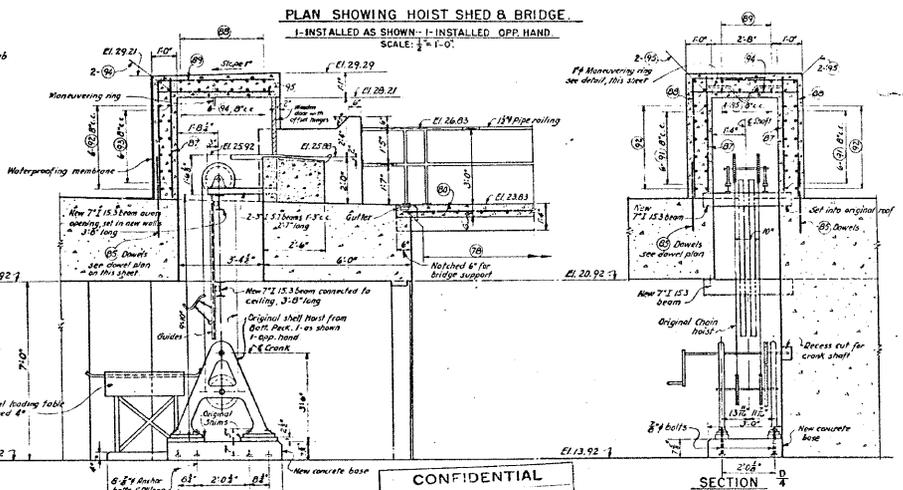
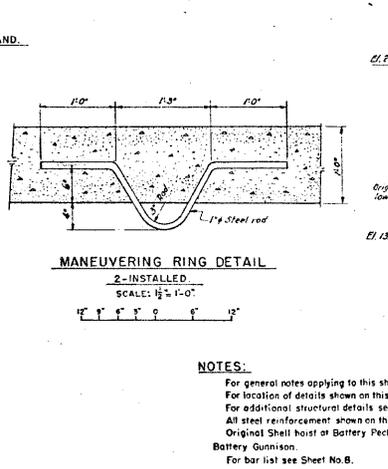
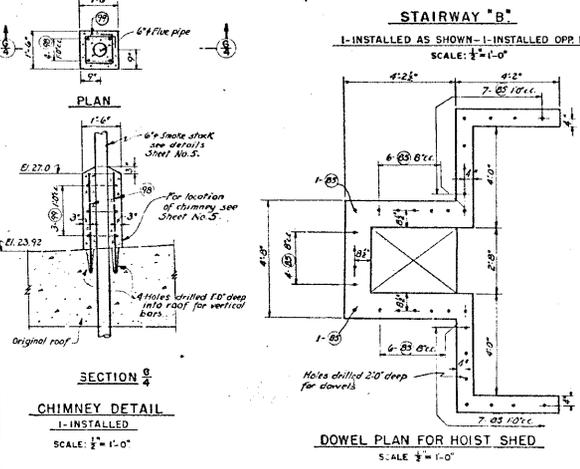
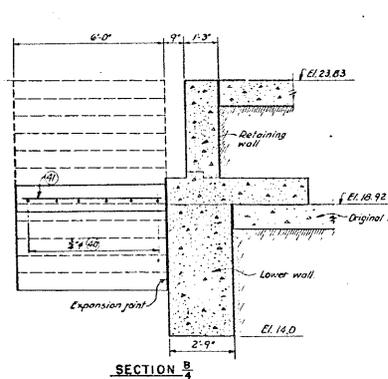
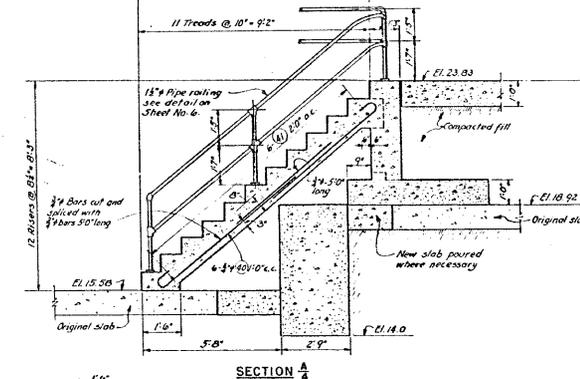
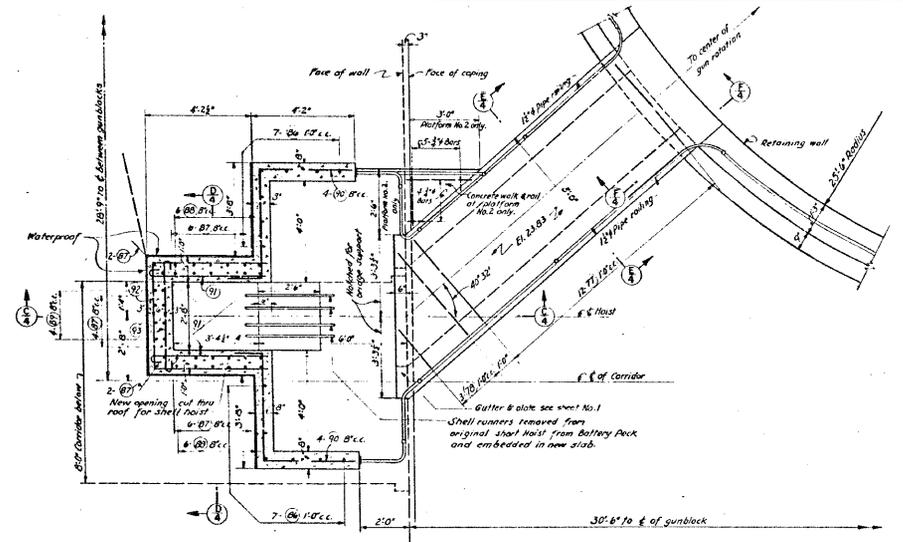
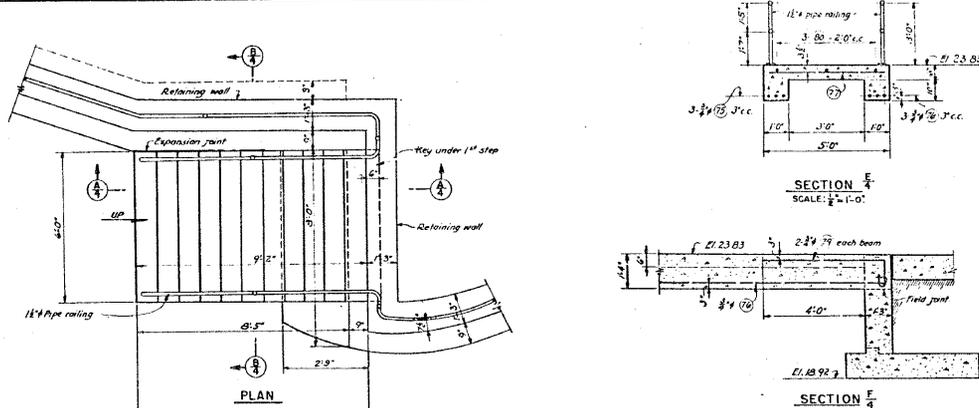
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**HARBOR DEFENSES OF NEW YORK
 BATTERY GUNNISON
 ALTERATIONS & ADDITIONS
 STRUCTURAL DETAILS NO. 2**
 FORT HANCOCK NEW JERSEY
 IN 8 SHEETS SCALE AS SHOWN SHEET NO. 3

RECORD DRAWING
 CERTIFIED AS CONSTRUCTED 21, OCT. 1943.
William H. Hunt
 Captain, Corps of Engineers

U. S. ENGINEER OFFICE, NEW YORK DISTRICT, NEW YORK, FEB. 16, 1943.
 Checked: Stanley S. Hunt, Lt. Col., Corps of Engineers
 Recommended: Harry A. Paine, Lt. Col., Corps of Engineers
 Approved: *William H. Hunt*, Lt. Col., Corps of Engineers

DATE	BY	NO.	REVISIONS
2/27/43			Revised as constructed



NOTES:
For general notes applying to this sheet see Sheet No. 1.
For location of details shown on this sheet see Sheet No. 1.
For additional structural details see Sheets No. 2 & 3.
All steel reinforcement shown on this sheet is 1/2" unless otherwise noted.
Original Shell hoist at Battery Park removed and relocated at Battery Gunnison.
For bar list see Sheet No. 8.

CONFIDENTIAL

RECORD DRAWING
CERTIFIED AS CONSTRUCTED 21, OCT. 1943.

Richard J. ...
Captain, Corps of Engineers

646/62442

DATE	REV. NO.	REVISIONS	BY	APP. BY
		Revised as constructed	NAT	

**HARBOR DEFENSES OF NEW YORK
BATTERY GUNNISON
ALTERATIONS & ADDITIONS
STRUCTURAL DETAILS NO. 3**

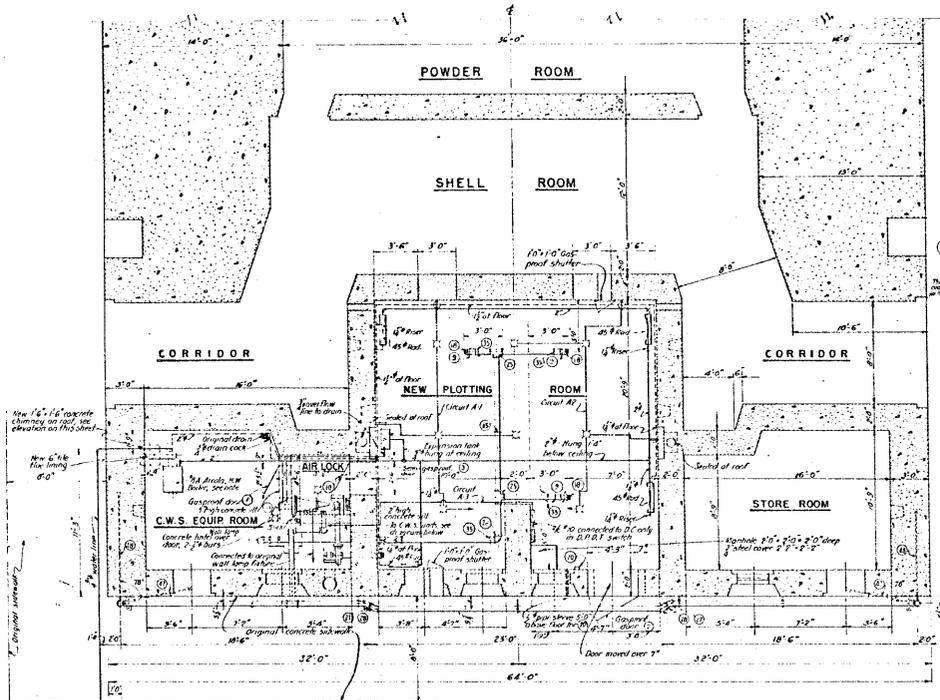
FORT HANCOCK NEW JERSEY

IN 6 SHEETS SHEET NO. 4
SCALE AS SHOWN

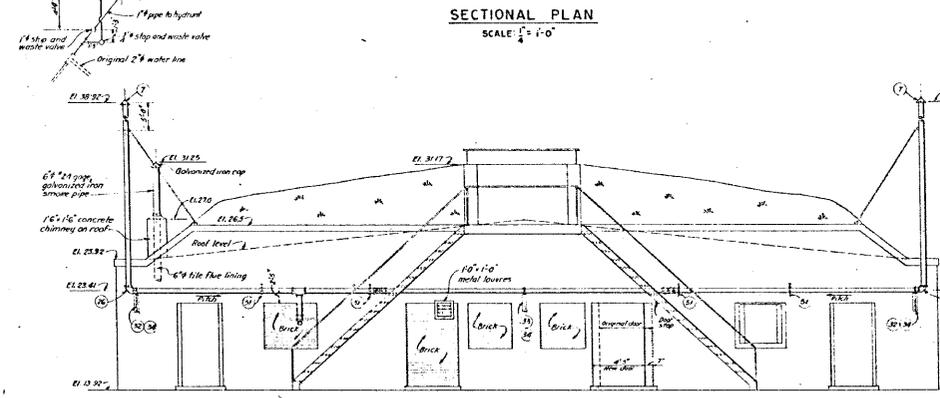
U.S. ENGINEER OFFICE, NEW YORK DISTRICT, NEW YORK, FEB. 16, 1943

Submitted: *Stanley S. Hunsicker*
Reviewed: *Charles R. ...*
Engineer Lt. Col., Corps of Engineers

FILE NO. FNY 2078

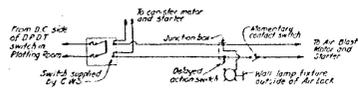


SECTIONAL PLAN
SCALE 1/4" = 1'-0"

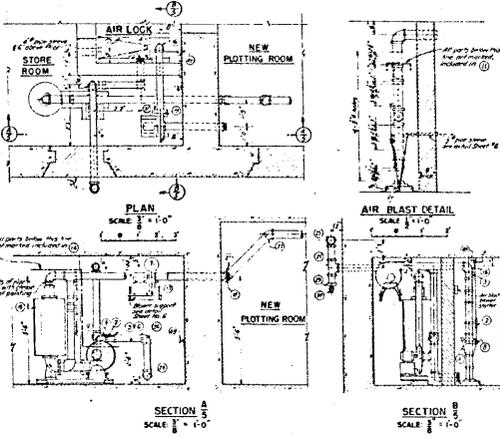


ELEVATION
SCALE 1/4" = 1'-0"

- ELECTRICAL LEGEND**
- --- Ceiling lamp fixture
 - ⊕ --- Plugging-in box
 - ⊖ --- Momentary contact switch
 - ⊞ --- C.W.S. Starter
 - ⊞ --- Fuse box
 - ⊞ --- Original panel box
 - ⊞ --- Delayed action switch, furnished by U.S.E.D.
 - ⊞ --- Wall lamp fixture



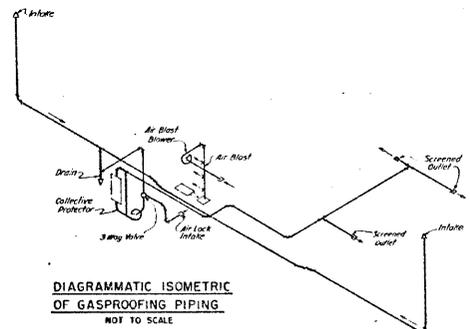
SCHEMATIC DIAGRAM FOR WIRING OF C.W.S. UNITS



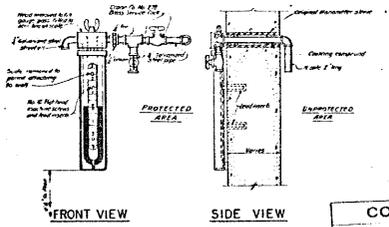
PLAN
SCALE 1/4" = 1'-0"

SECTION A
SCALE 1/4" = 1'-0"

AIR BLAST DETAIL
SCALE 1/4" = 1'-0"



DIAGRAMMATIC ISOMETRIC OF GASPROOFING PIPING
NOT TO SCALE



MANOMETER INSTALLATION DETAIL
SCALE 1/4" = 1'-0"

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RECORD DRAWING
 CERTIFIED AS CONSTRUCTED 21, OCT. 1943.
William K. ...
 Captain, Corps of Engineers.

ELECTRICAL BILL OF MATERIALS

CIRCUIT NO.	INST'D	PART NAME	C.S.F. NO.	AMOUNT	REMARKS
A1	4	Ceiling lamp fixture		1 1 1 1	
	2	Plugging-in box	10	2	
A2	4	Ceiling lamp fixture		1 1 1 1	
	2	Plugging-in box		2	
A3	1	Delayed action switch			See Electrical Bill of Materials for details.
	1	Momentary contact switch			
	1	Switch box	9	1	
	1	Fuse box	22		
	1	D.P.D.T. Switch			
	1	Wall fixture	3		

ELECTRICAL NOTES

All wiring is varnish cambric insulated, lead end jute covered. All wiring is No 12 gauge except as noted.
 All wires or cables passing thru walls or partitions have protective pipe sleeves. All sleeves are caulked gaslight.
 Original D.P.D.T. switch replaced with 60 amp. 250 V. fusible, watertight switch. See Electrical Bill of Materials.
 6 original wall fixtures removed and 2 ceiling lamp fixtures in the New Plotting Room removed. Necessary junction boxes installed so that power is carried to the other rooms. Two original R.L.A. cables located on wall in new Plotting Room relocated on ceiling.
 Motors and starters on gasproofing units, supplied by C.W.S.
 For additional electrical details see Sheet No 6.

**DURING GAS ATTACK
DO NOT ENTER WHEN
RED LIGHT IS ON**

TYPE "A" SIGN

**DURING GAS ATTACK
DECONTAMINATE CLOTHING
BEFORE ENTERING BY STANDING
ON TREADLE FOR 5 MINUTES**

TYPE "B" SIGN

**DURING GAS ATTACK
DO NOT USE THIS DOOR
USE AIR LOCK ENTRANCE ONLY**

TYPE "C" SIGN

**DURING GAS ATTACK
KEEP THIS DOOR LOCKED
DO NOT USE**

TYPE "D" SIGN

NOTES

Ventilators, drains, speaking tubes and other openings not specifically shown are sealed.
 For additional gasproofing details & bill of materials see Sheet No. 6.
 For additional structural details see Sheet No. 3.
 For gasproof door and shutter details see Sheet No. 7.
 The G.A. Arcola Heater, 4-45 radiators and expansion tank shown here on hand, having been removed from another nearby installation. The return piping pitches sufficiently to drain entire system. The supply piping connects to top tapplings of radiators.
 The Arcola heater was given an insulating covering of asbestos. Supply piping to C.W.S. Equipment Room and Airlock was covered with three ply Arcael.
 All gasproofing piping is 4" standard steel pipe unless otherwise noted.

**HARBOR DEFENSES OF NEW YORK
BATTERY GUNNISON
ALTERATIONS & ADDITIONS
GASPROOFING & HEATING DETAILS**

FORT HANCOCK NEW YORK

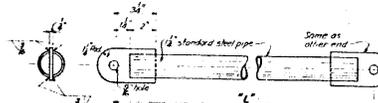
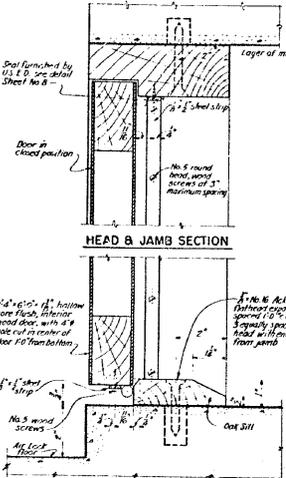
IN 8 SHEETS SCALE AS SHOWN SHEET NO. 5

U.S. ENGINEER OFFICE, NEW YORK DISTRICT, NEW YORK, FEB. 11, 1943

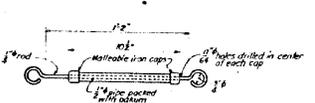
Submitted by: *William K. ...*
 Prepared by: *Charles A. ...*
 Checked by: *William K. ...*

646/62442

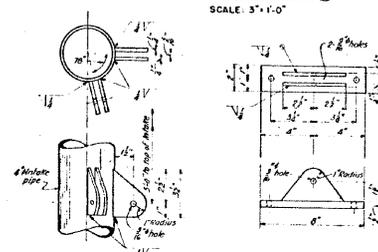
DATE	REV. NO.	REVISIONS	APP. BY	APP. DATE
		Revised as constructed		
			REV. BY	APP. BY



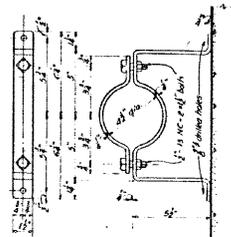
INTAKE BRACE
 1" x 9" x 3", 2-INSTALLED (47)
 1" x 11" x 6", 2-INSTALLED (48)
 SCALE: 3"=1'-0"



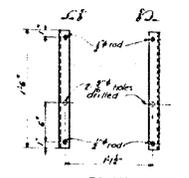
PIPE SLEEVE DETAIL (50)
 1-INSTALLED
 SCALE: 3"=1'-0"



CONNECTION AT PIPE
CONNECTION AT BASE (49)
 4-INSTALLED
 SCALE: 3"=1'-0"

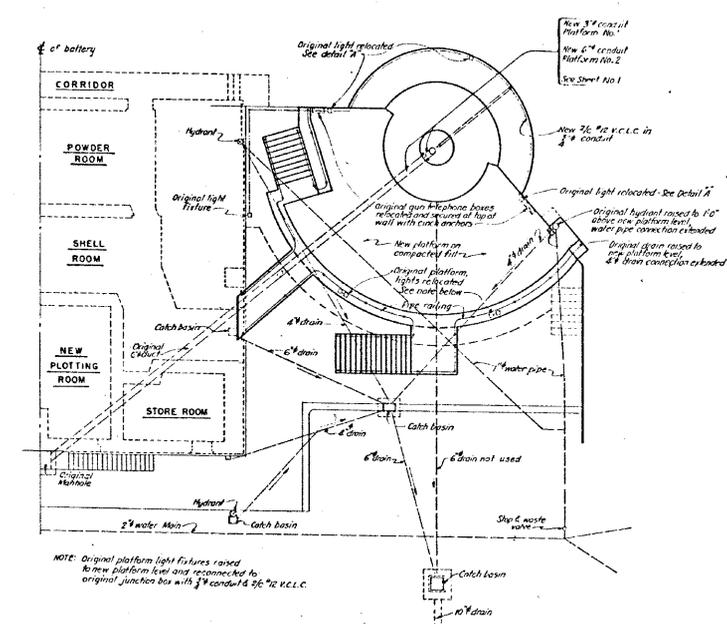


WALL PIPE SUPPORT (51)
 4-INSTALLED
 SCALE: 3"=1'-0"

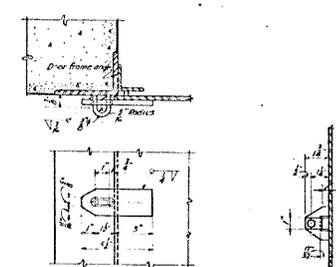


BLOWER SUPPORT DETAIL (52)
 1-INSTALLED
 SCALE: 1 1/2"=1'-0"

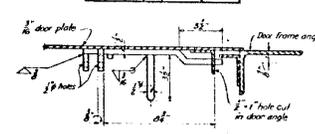
DETAIL OF SEMI-GASPROOFING DOOR
 1-INSTALLED
 SCALE: HALF SIZE



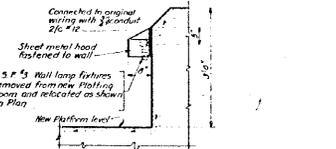
GUN PLATFORM NO. 1
 MODIFICATIONS FOR GUN PLATFORM NO. 2 SAME BUT OPPOSITE HAND
 SCALE: 1/2"=1'-0"



HASP DETAIL
 1-INSTALLED DOOR (2) ONLY
 SCALE: 3"=1'-0"



BOLT DETAILS
 1-INSTALLED ON DOOR (2) ONLY
 SCALE: 1 1/2"=1'-0"



RAILING DETAIL
 NOT TO SCALE

BILL OF MATERIALS FOR GASPROOFING PARTS NOT DETAILLED ONLY					
PART NO.	NAME	NO INSTALLED	SIZE	FURNISHED BY	REMARKS
(1)	45-19-76	1		E.W.S.	Pressure spring
(2)	45-19-92	2			Valve spring
(3)	45-19-229	2	4"		Wright (See furnished with (1))
(4)	45-19-229	1			Starter
(5)	45-19-352	1			1/2" bolt with nuts
(6)	45-19-352	1			Spring clamp
(7)	45-19-352	1			Clipped nut
(8)	45-19-343	2	4"		Trilley guide
(9)	45-19-343	2	4"		Dampener
(10)	45-19-343	2	4"		Pressure release valve
(11)	45-19-343	2	4"		Air blast assembly
(12)	45-19-343 (left hand)	1			3 way valve
(13)	45-19-343 (left hand)	1			Platform anchors and pin
(14)	45-19-343 (left hand)	1			Blower & fly wheel assembly, with DC motor
(15)	45-19-343	1			Consistor
(16)	45-19-343	1	4"		Flow pipe
(17)	45-19-343	1			Flange with (1) gasket, assembled to discharge
(18)	45-19-343	1			Flange
(19)	45-19-343	1	1/2" x 1/2"		Compressed asbestos
(20)	45-19-343	2	1/2" x 1/2"		Hex head, used with (7)
(21)	45-19-343	2	1/2" x 1/2"		Hex head, used with (7)
(22)	45-19-343	2	1/2" x 1/2"		Hex head, used with (7)
(23)	45-19-343	2	1/2" x 1/2"		Hex head, used with (7)
(24)	45-19-343	2	1/2" x 1/2"		Hex head, used with (7)
(25)	45-19-343	2	1/2" x 1/2"		Hex head, used with (7)
(26)	45-19-343	2	1/2" x 1/2"		Hex head, used with (7)
(27)	45-19-343	2	1/2" x 1/2"		Hex head, used with (7)
(28)	45-19-343	2	1/2" x 1/2"		Hex head, used with (7)
(29)	45-19-343	2	1/2" x 1/2"		Hex head, used with (7)
(30)	45-19-343	2	1/2" x 1/2"		Hex head, used with (7)
(31)	45-19-343	2	1/2" x 1/2"		Hex head, used with (7)
(32)	45-19-343	2	1/2" x 1/2"		Hex head, used with (7)
(33)	45-19-343	2	1/2" x 1/2"		Hex head, used with (7)
(34)	45-19-343	2	1/2" x 1/2"		Hex head, used with (7)
(35)	45-19-343	2	1/2" x 1/2"		Hex head, used with (7)
(36)	45-19-343	2	1/2" x 1/2"		Hex head, used with (7)
(37)	45-19-343	2	1/2" x 1/2"		Hex head, used with (7)
(38)	45-19-343	2	1/2" x 1/2"		Hex head, used with (7)
(39)	45-19-343	2	1/2" x 1/2"		Hex head, used with (7)
(40)	45-19-343	2	1/2" x 1/2"		Hex head, used with (7)

NOTES
 For location of gasproofing details shown on this sheet see Sheet No. 5
 All material is structural steel, unless otherwise noted.
 For location of pipe railing see Sheet No. 1
 Welding symbols conform to the standards of the American Welding Society.

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RECORD DRAWING
 CERTIFIED AS CONSTRUCTED 21, OCT. 1943.

Richard L. Lovell
 Captain, Corps of Engineers

**HARBOR DEFENSES OF NEW YORK
 BATTERY GUNNISON
 ALTERATIONS & ADDITIONS
 MISCELLANEOUS DETAILS**

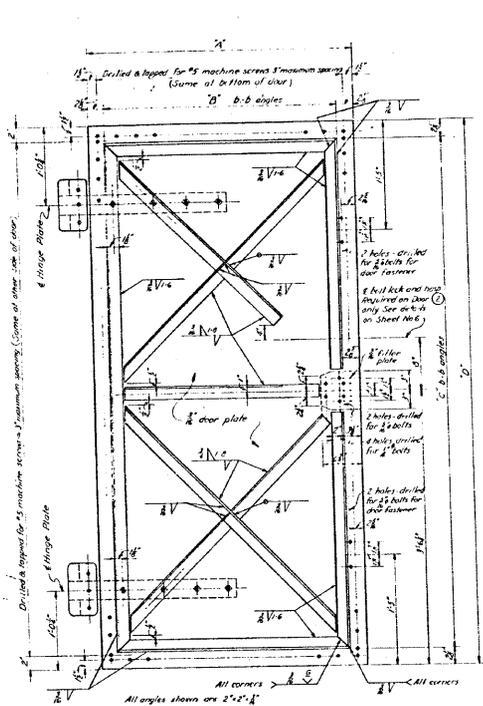
FORT HANCOCK NEW JERSEY
 IN 8 SHEETS SHEET NO. 6
 SCALE AS SHOWN

U. S. ENGINEER OFFICE, NEW YORK DISTRICT, NEW YORK, FEB. 16, 1943

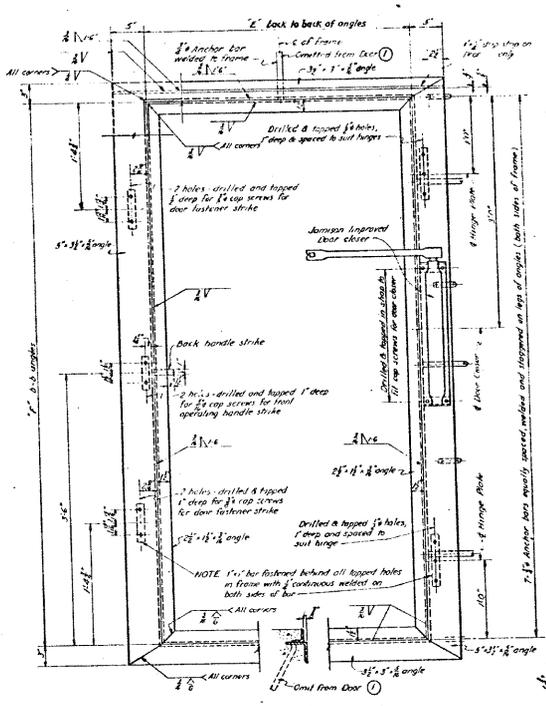
Submitted: *Charles P. ...* Approved: *Charles P. ...*
 Engineer: *Charles P. ...* Captain, Corps of Engineers

REV. NO.	REVISED AS CONSTRUCTED	DATE	REV. BY	APP. BY

646/62442



DOOR
INSIDE ELEVATION

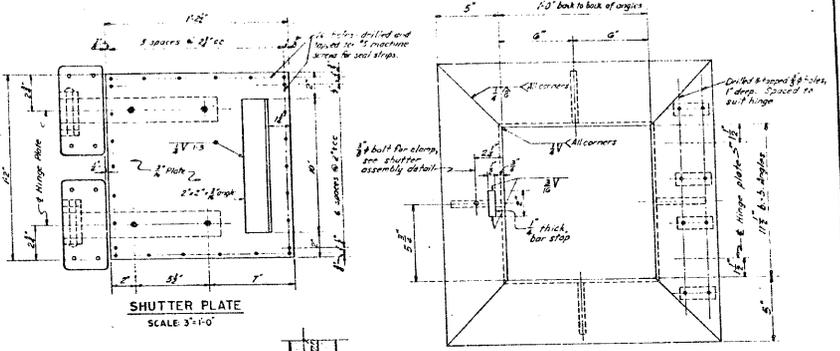


FRAME
OUTSIDE ELEVATION

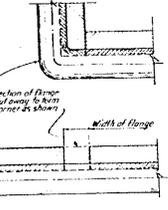
GASPROOF DOOR & FRAME
NOT TO SCALE

DOOR DIMENSIONS

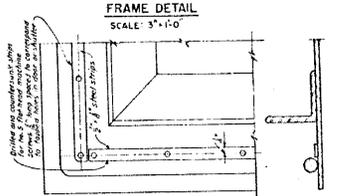
DOOR NO.	NO.	DIMENSIONS						REMARKS
		W	H	T	E	F		
1	1	2'-0"	2'-7 1/2"	1'-0"	2 1/2"	2 1/2"	8'-10"	omit diagonal angle. See separate wing
2	1	2'-0"	2'-7 1/2"	1'-0"	2 1/2"	2 1/2"	6'-7"	As shown



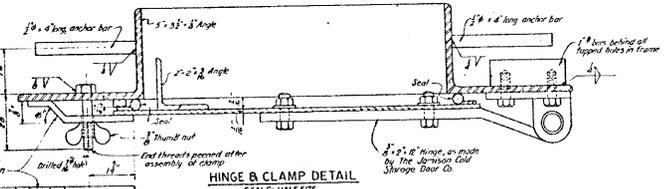
SHUTTER PLATE
SCALE 3" = 1'-0"



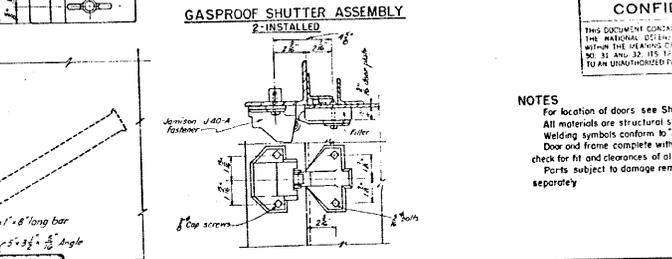
SEAL DETAIL
SCALE: FULL SIZE



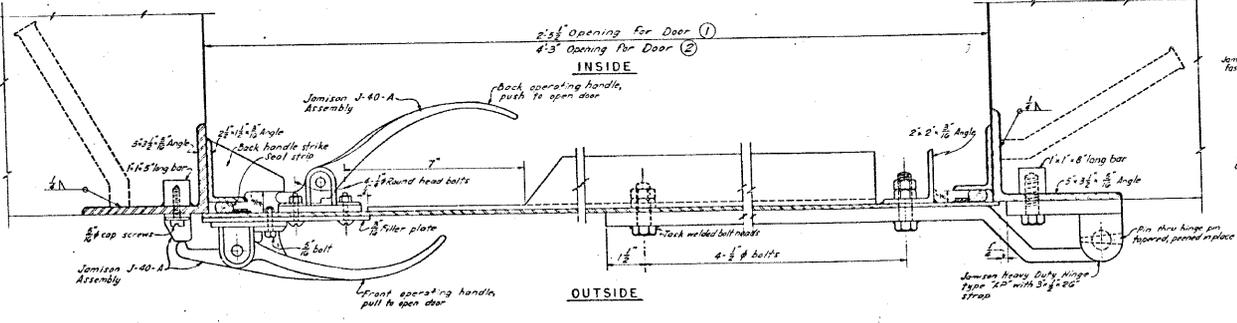
SECTION SHOWING SEAL STRIPS
SCALE: HALF SIZE



HINGE & CLAMP DETAIL
SCALE: HALF SIZE



GASPROOF SHUTTER ASSEMBLY
SCALE: HALF SIZE



ASSEMBLY DETAILS FOR DOOR
SCALE: HALF SIZE

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NOTES

For location of doors see Sheet No. _____
 All materials are structural steel unless otherwise noted.
 Welding symbols conform to American Welding Society Standards.
 Door and frame complete with all hardware assembled in shop to check for fit and clearances of all members.
 Parts subject to damage removed prior to shipment and boxed separately.

646-62442

RECORD DRAWING
 CERTIFIED AS CONSTRUCTED 21, OCT. 1943.
 Captain, Corps of Engineers

HARBOR DEFENSES OF NEW YORK
BATTERY GUNNISON
 ALTERATIONS & ADDITIONS
 GASPROOF DOOR & SHUTTER

FORT HANCOCK NEW JERSEY

IN 8 SHEETS SHEET NO. 7

SCALE AS SHOWN

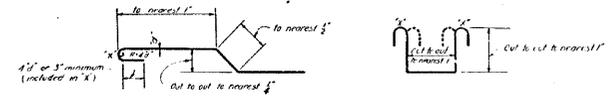
U. S. ENGINEER OFFICE, NEW YORK DISTRICT, NEW YORK, FEB. 16, 1943

Submitted: Approved: Assessed: _____
 Stanley S. Howard, Chief Engineer Lt. Col., Corps of Engineers _____
 Lt. Col., Corps of Engineers Lt. Col., Corps of Engineers

DATE	REV. NO.	REVISIONS	BY	APP. BY
		As per 23 constructed		

MARK	LOCATION	NO	SIZE	LENGTH		WEIGHT			DETAILS
				FT	IN	FOOT	EACH	SUB-TOTAL	
FIRING PLATFORM									
1	Vertical - side	24	3/4"	6	9	1502	101	247.4	Straight
2	Horizontal - side	8	3/4"	16	0	1502	120	120.0	Straight
3	do	10	3/4"	2	8	1502	30	48.0	Straight
4	Radial - top	13	3/4"	5	0	0668	33	42.9	Straight
5	do	12	3/4"	2	6	0668	17	28.4	Straight
6	do	9	3/4"	7	7	0668	31	40.2	Straight
7	do	8	3/4"	4	0	0568	27	21.6	Straight
8	Circular - top	2	3/4"	14	0	0668	94	42.0	Straight
9	do	2	3/4"	13	0	0668	87	37.4	Straight
10	do	19	3/4"	13	6	0668	90	130.0	Straight
						2 Units constructed		1352.0	
LOWER WALL									
13	Dovels	8	3/4"	4	0	0668	27	21.6	Straight
						2 Units constructed		43.2	
RETAINING WALL									
15	Transverse - footing	47	3/4"	3	5	0668	30	141.0	Straight
16	do	62	3/4"	5	7	0668	37	229.4	Straight
17	do	42	3/4"	2	2	0668	28	117.6	Straight
18	do	42	3/4"	6	4	0668	42	178.4	Straight
19	Longitudinal - footing	2	3/4"	10	0	0668	67	13.4	Straight
20	do	3	3/4"	29	1	0668	174	38.2	Straight
21	do	3	3/4"	21	1	0668	141	42.3	Straight
22	do	12	3/4"	25	4	0668	103	219.6	Straight
23	do	2	3/4"	7	2	0668	48	96	Straight
24	do	12	3/4"	12	6	0668	84	107.6	Straight
25	do	12	3/4"	17	2	0668	114	136.8	Straight
26	Verticals	42	3/4"	6	5	0668	43	180.6	Straight
27	do	52	3/4"	5	5	0668	36	187.2	Straight
28	do	34	3/4"	4	5	0668	30	102.0	Straight
29	do	34	3/4"	5	5	0668	36	122.4	Straight
30	Horizontal - stem	14	3/4"	30	0	0668	204	289.6	Straight
31	do	8	3/4"	29	9	0668	199	159.1	Straight
32	do	11	3/4"	10	5	0668	70	77.0	Straight
33	do	11	3/4"	13	9	0668	92	101.2	Straight
						2 Units constructed		2460.3	
STAIRWAY "B"									
40	Inclined	6	3/4"	11	8	1502	235	122.0	Straight
41	Transverse	6	3/4"	5	6	0668	37	22.2	Straight
						2 Units constructed		183.2	
PLATFORM SLAB									
50	Radial - B Long	1	3/4"	65	0	0668	—	43.3	Straight - cut in links
51	Radial	3	3/4"	10	6	0668	70	21.0	Straight
52	do	4	3/4"	8	9	0668	58	23.2	do
53	do	19	3/4"	16	10	0668	112	210.4	do
54	do	19	3/4"	9	6	0668	63	119.7	do
55	Circular	34	3/4"	19	6	0668	130	242.0	Straight
56	Circular	2	3/4"	12	0	0668	80	72.0	Straight
						2 Units constructed		234.0	
						2 Units constructed		186.0	

MARK	LOCATION	NO	SIZE	LENGTH		WEIGHT			DETAILS
				FT	IN	FOOT	EACH	SUB-TOTAL	
STAIRWAY "A"									
60	Dovels - Columns	16	3/4"	4	1	1502	61	27.6	Straight
61	Vertical Columns	8	3/4"	8	0	1502	120	96.0	Straight
62	do	8	3/4"	9	8	1502	143	116.0	Straight
63	Ties - Columns	34	3/4"	3	4	0668	22	74.8	Straight
64	Inclined - Stairs	9	3/4"	16	8	1502	250	224.0	Straight
65	Transverse - Stairs	8	3/4"	5	6	0668	37	29.6	Straight
66	Stairs & Slab	6	3/4"	9	11	0668	66	39.6	Straight
67	Slab	2	3/4"	6	6	0668	43	12.9	Straight
68	do	6	3/4"	8	9	0668	58	34.8	Straight
69	Beam	12	3/4"	7	10	1043	82	98.4	Straight
						2 Units constructed		824.7	
BRIDGE									
75	Beam	3	3/4"	14	6	1502	218	63.4	Straight
76	do	3	3/4"	17	8	1502	263	75.3	Straight
77	Slab	12	3/4"	4	6	0668	30	36.0	Straight
78	do	3	3/4"	3	7	0668	22	6.6	Straight
79	Beam	4	3/4"	6	11	1502	100	40.0	Straight
80	do	3	3/4"	14	1	0668	95	28.3	Straight
						2 Units constructed		256.0	
HOIST SHED									
85	Dovels	32	3/4"	3	0	0668	23	80.0	Straight
86	Verticals	14	3/4"	2	6	0668	17	23.8	do
87	do	20	3/4"	5	0	0668	33	66.0	do
88	do	12	3/4"	7	11	0668	57	67.6	do
89	do	4	3/4"	9	1	0668	61	20.4	do
90	Horizontal - Walls	8	3/4"	9	2	0668	67	48.8	do
91	do	12	3/4"	5	0	0668	37	39.6	do
92	do	6	3/4"	12	10	0668	86	57.6	do
93	do	6	3/4"	5	6	0668	37	22.2	do
94	Horizontal - Roof	8	3/4"	4	2	0668	28	22.4	Straight
95	do	8	3/4"	4	5	0668	29	23.2	do
						2 Units constructed		931.2	
CHIMNEY									
96	Verticals	4	3/4"	3	9	0668	25	10.0	Straight
98	Horizontal	3	3/4"	5	8	0668	38	11.4	Straight
						Total steel reinforcement for 2 Platforms		11,769.0	



*'x' of hook indicates the amount added to dimension shown to allow for hook ('x' distance is measured along L of bar)

BAR	3/4"	1"	1 1/4"
Area in Sq. In.	0.42	0.79	1.06
Weight per 100 Lbs.	260	490	660

BAR BENDING DETAILS

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444 / 62442

**HARBOR DEFENSES OF NEW YORK
BATTERY GUNNISON
ALTERATIONS & ADDITIONS
BAR LIST**

FORT HANCOCK NEW JERSEY
IN 8 SHEETS SHEET NO. 8

SCALE AS SHOWN

U. S. ENGINEER OFFICE NEW YORK DISTRICT NEW YORK, FEB. 16, 1943

RECORD DRAWING
CERTIFIED AS CONSTRUCTED 21, OCT. 1943.

Edward J. Kent
Captain, Corps of Engineers

Submitted: *Stanley S. Hennessey* Approved: *Edward J. Kent*
Engineer Lt. Col., Corps of Engineers Lt. Col., Corps of Engineers

10/14	Revised as constructed	10/17	10/17
DATE	REVISION	REV. BY	APP. BY