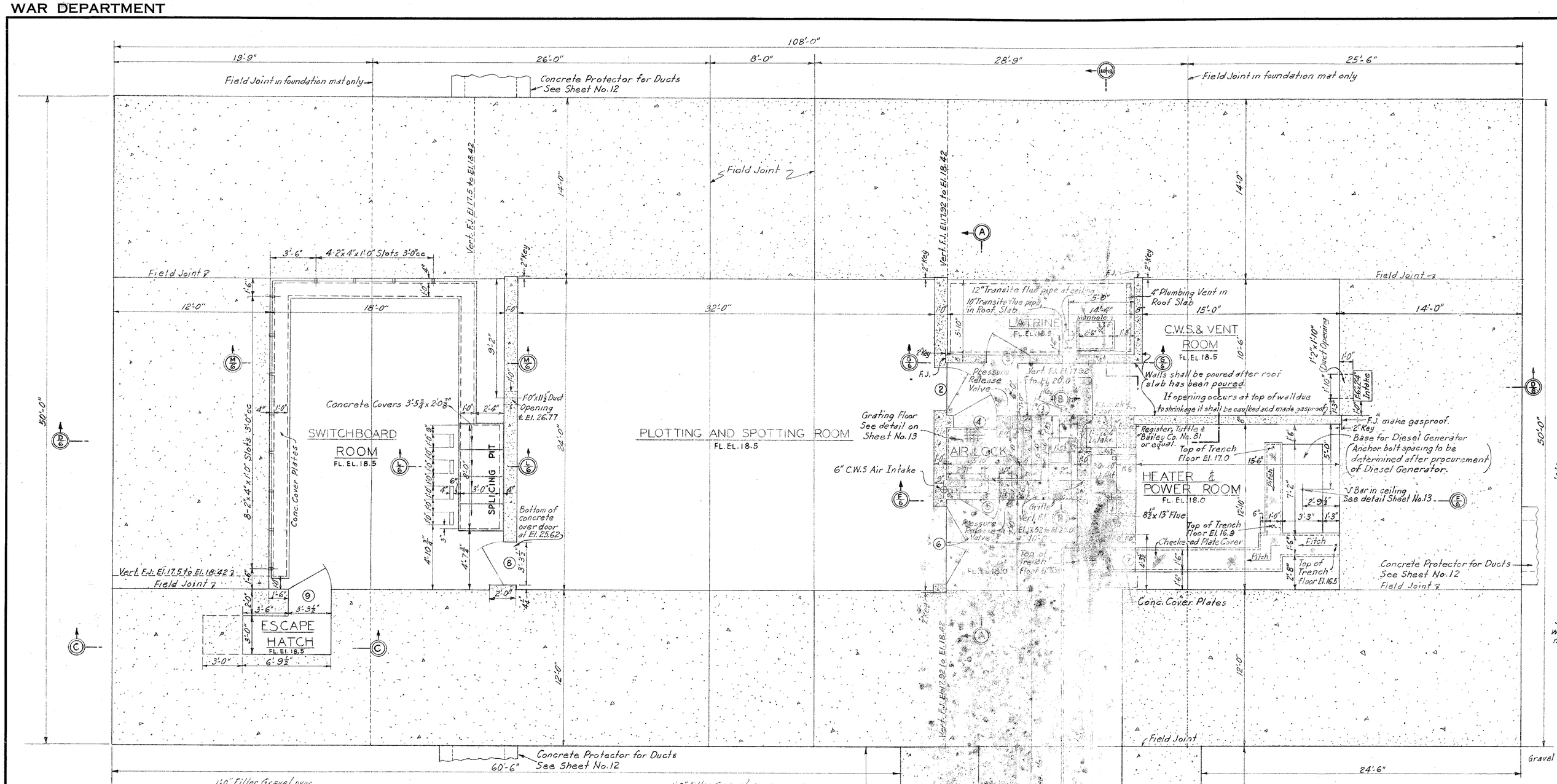
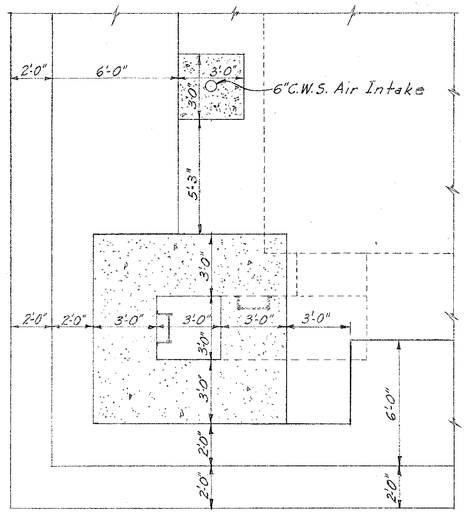
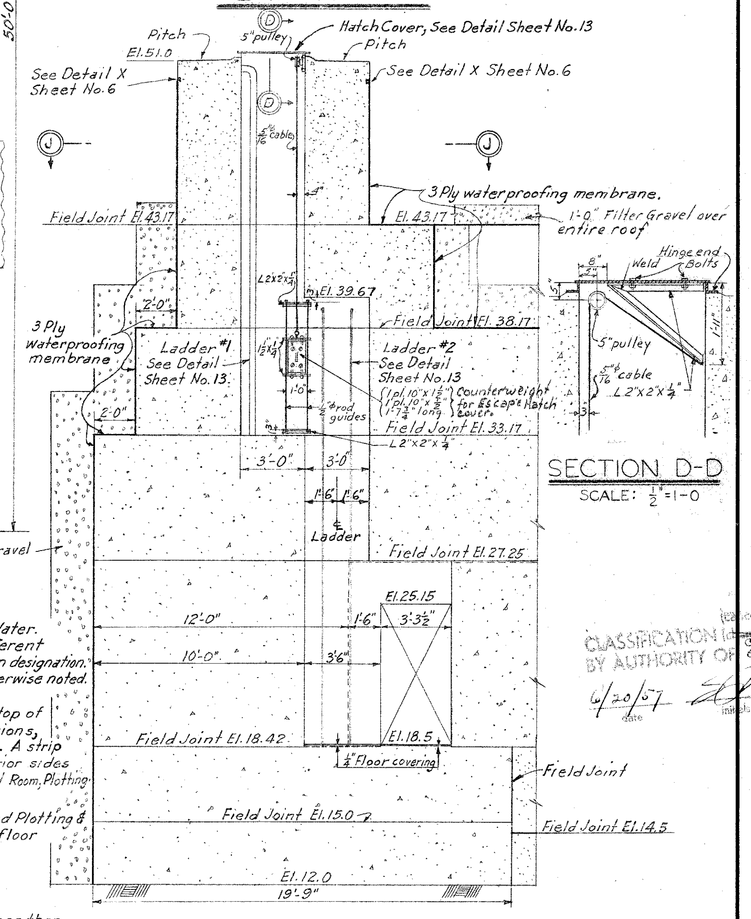


PLAN

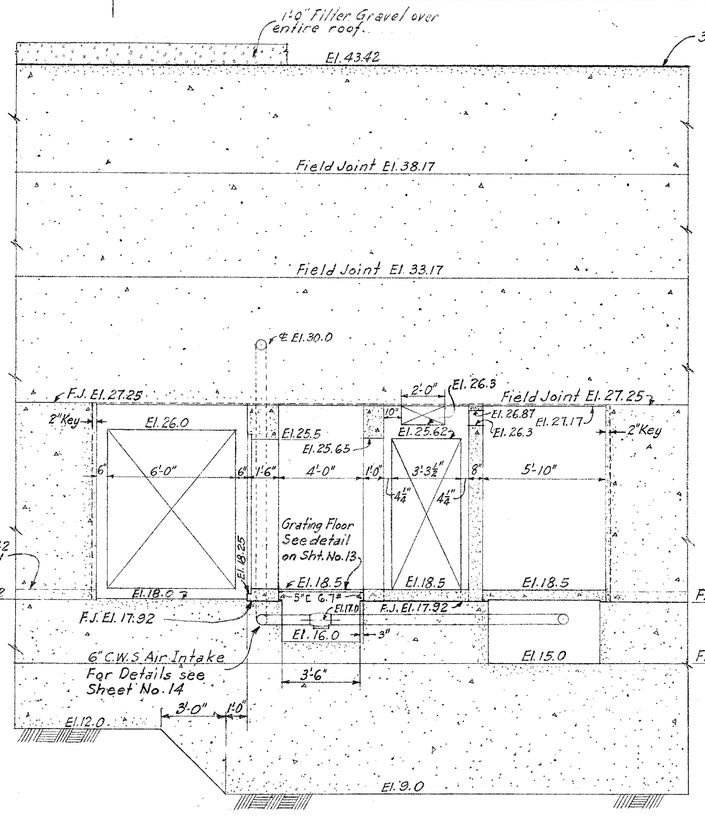


PLAN AT J-J

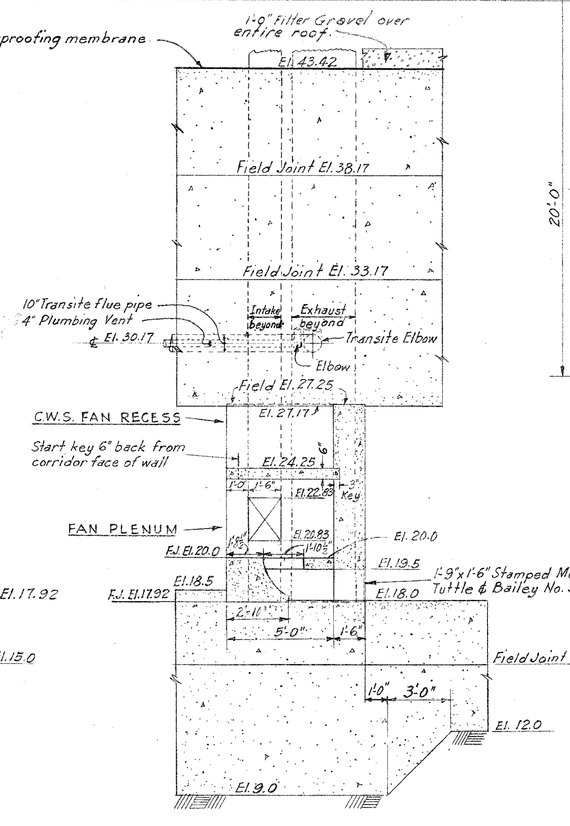


SECTION D-D

SCALE: ½"=1'-0"



SECTION A-A



SECTION B-B

Notes:
(1) Denotes Type of Door.

GENERAL NOTES

Elevations are in feet and refer to the plane of Mean Low Water.

Where details of sections and section lines appear on different sheets, sheet numbers referring to location are given in section designation.

All exposed concrete shall be chamfered one inch unless otherwise noted.

All concrete shall be Class "A" unless otherwise noted.

3 Ply waterproofing membrane shall be placed over entire top of structure. Bend down to 1'-0" below El. 33.17 as shown in sections, except on North side where it shall continue down to El. 12.0. A strip 3'-0" wide shall be placed symmetrically across all field joints in exterior sides.

2" Insulating acoustic lining shall be placed in ceiling of Switchboard Room, Plotting & Spotting Room and Heater & Power Room as designated in sections.

Top of concrete floor in Switchboard Room, Escape Hatch and Plotting & Spotting Room shall be ¼" below Finished El. 18.5 to allow for floor covering. Metal edging is required at Door ⑥ & Door ⑧.

All reinforcing bars shall be ⅝" ϕ unless otherwise noted.

Bar laps shall be 50 bar diameters unless otherwise noted.

Bar laps shall be staggered when possible.

All bends shall be made around a pin with diameter not less than 8 times the diameter of the bar unless otherwise noted.

Cover for all reinforcement shall be 3" unless otherwise noted.

Provide 2" sleeves thru walls for electric cables. ℄ of sleeve shall be 1" below finished ceiling.

All sleeves in walls adjoining gasproofed rooms shall be caulked and made gasproof.

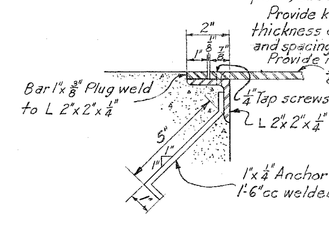
Gasproofed area includes the following rooms, Escape Hatch, Switchboard Room, Plotting & Spotting Room, Latrine, Air Lock, C.W.S. Fan Recess, C.W.S. & Vent Room and Corridor between Latrine and Air Lock.

Concrete Cover Plate detailed on Sheet No. 6.

All exterior sides of structure shall be covered with waterproofing pitch, except North side.

Provide keys 3" in depth in all vertical field joints. Width of key shall be ⅓ the thickness of the wall or slab. Length of key shall be 2 times the width of the key, and spacing between keys shall be equal to the width of the key, unless otherwise shown or noted.

Provide metal waterstops in all vertical field joints.



CHECKERED PLATE COVER

SCALE: 3"=1'-0"

Notes: Provide finger holes each end of plates. Holes to allow passage of conduits thru cover plates shall be cut in field where required. Single cover not to exceed 150 pounds in weight.

Note: Acoustic tile in Plotting & Spotting Room and Heater & Power Room is cork.
Acoustic tile in Switchboard Room is Vermiculite-Concrete blocks.

RECORD DRAWING

CONFIDENTIAL

NO.	CHARACTER	DATE	BY
1	Final Record Drawings where for Record as-built	1-15-45	Pam

REVISIONS

HARBOR DEFENSES OF BOSTON

BATTERY NO. 105

PLOTTING ROOM

MASONRY PLAN AND SECTIONS NO. 1

IN 20 SHEETS — SHEET NO. 5 — SCALE ¼"=1'-0"

U. S. ENGINEER OFFICE, BOSTON, MASS. APRIL, 1943

APPROVAL RECOMMENDED: John E. Allen — CHIEF, ENGINEERING DIVISION

APPROVED: G. W. Gillette — COLONEL, CORPS OF ENGINEERS, DISTRICT ENGINEER

SUBMITTED: G. P. Brown — CHIEF, DESIGN SECTION, SR. ENGINEER

Peter A. Mundy — ASSOCIATE ENGINEER

DES. BY; DR. BY D.E.R.; TR. BY; CH. BY E.J.B.

FILE NO. 4-7-4-18/5

CLASSIFICATION CANCELLED BY AUTHORITY OF 6/20/57