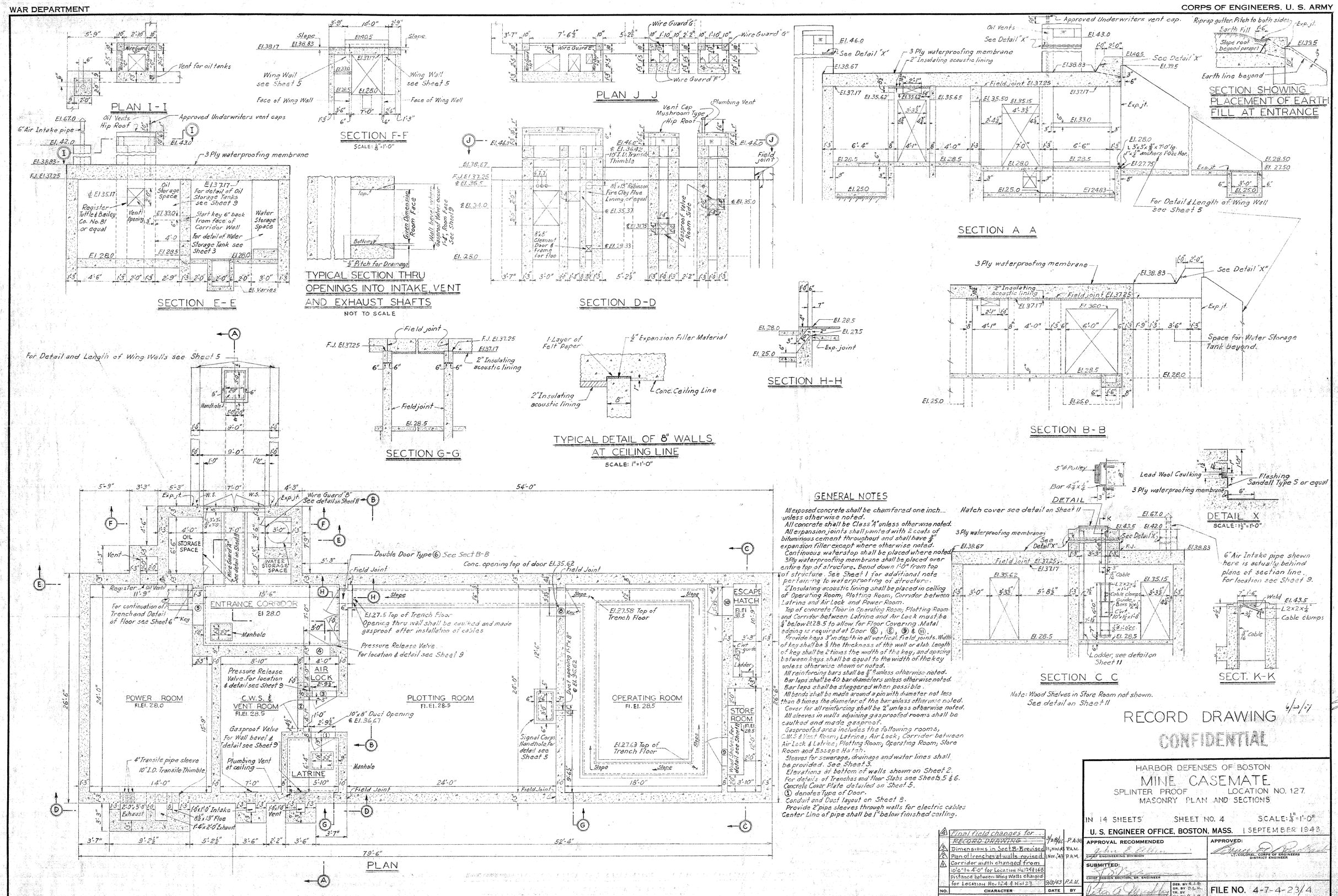

GENERAL NOTES

All exposed concrete shall be chamfered one inch unless otherwise noted.
All concrete shall be Class "A" unless otherwise noted.
All expansion joints shall painted with 2 coats of bituminous cement throughout and shall have 3/8" expansion filler except where otherwise noted.
Continuous waterstop shall be placed where noted.
3 Ply waterproofing membrane shall be placed over entire top of structure. Bend down 1'-0" from top of structure. See Sheet 1 for additional note pertaining to waterproofing of structure.
2" Insulating acoustic lining shall be placed in ceiling of Operating Room, Plotting Room, Corridor between Latrine and Air Lock and Power Room.
Top of concrete floor in Operating Room, Plotting Room and Corridor between Latrine and Air Lock must be 1/2" below El. 28.5 to allow for Floor Covering. Metal edging is required at Door Ⓒ, Ⓔ, Ⓖ & Ⓘ.
Provide keys 3" in depth in all vertical Field joints. Width of key shall be 1/3 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.
All reinforcing bars shall be 3/8" ϕ unless otherwise noted.
Bar laps shall be 40 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 reinforcing shall be 2" unless otherwise noted.
All sleeves in walls adjoining gasproofed rooms shall be caulked and made gasproof.
Gasproofed area includes the following rooms, C.W.S. & Vent Room, Latrine, Air Lock, Corridor between Air Lock & Latrine, Plotting Room, Operating Room, Store Room and Escape Hatch.
Sleeves for sewerage, drainage and water lines shall be provided. See Sheet 3.
Elevations at bottom of walls shown on Sheet 2.
For details of Trenches and Floor Slabs see Sheets 5 & 6.
Concrete Cover Plate detailed on Sheet 5.
Ⓘ denotes Type of Door.
Conduit and Duct layout on Sheet 8.
Provide 2" pipe sleeves through walls for electric cables. Center Line of pipe shall be 1" below finished ceiling.

RECORD DRAWING 6/2/47

CONFIDENTIAL

NO.	CHARACTER	DATE	BY
4	Final field changes for RECORD DRAWING	3/28/45	P.A.M.
3	Dimensions in Sect B-B revised	11 Nov. 43	P.A.M.
2	Plan of trenches at walls revised	1 Nov. '43	P.A.M.
1	Corridor width changed from 10'-0" to 4'-0" for Location No. 124 & 168. Distance between Wing Walls changed for Location No. 124 & No. 127	9/8/43	P.A.M.

REVISIONS

HARBOR DEFENSES OF BOSTON

MINE CASEMATE

SPLINTER PROOF — LOCATION NO. 127.

MASONRY PLAN AND SECTIONS

IN 14 SHEETS — SHEET NO. 4 — SCALE: 1/4"=1'-0"

U. S. ENGINEER OFFICE, BOSTON, MASS. — 1 SEPTEMBER 1943.

APPROVAL RECOMMENDED: John E. Allen, CHIEF ENGINEERING DIVISION

APPROVED: Bruce D. Reynolds, LT. COLONEL, CORPS OF ENGINEERS, DISTRICT ENGINEER

SUBMITTED: CHIEF DESIGN SECTION, SR. ENGINEER

Victor A. Phillips, ASSOC. ENGINEER

DES. BY R.J.B. DR. BY D.L.D. TR. BY CH. BY R.J.B.

FILE NO. 4-7-4-23/4