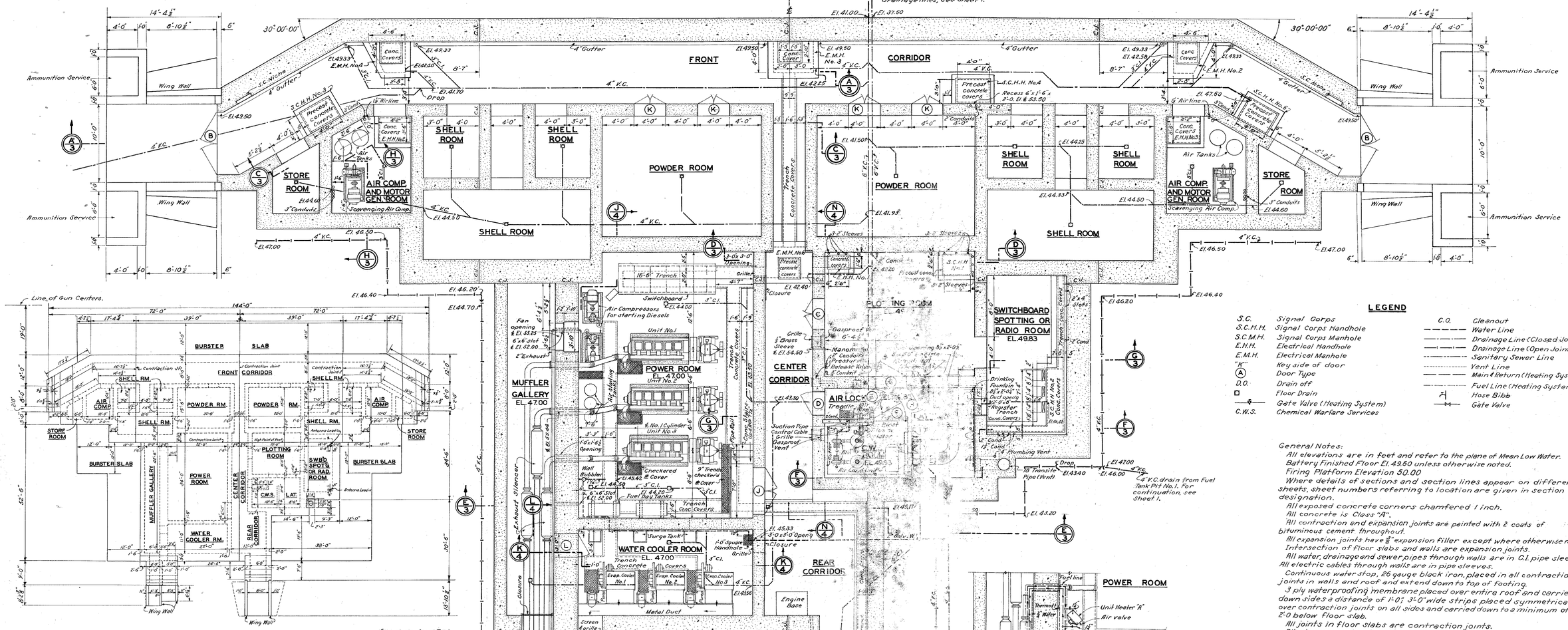

ROOF PLAN

SCALE: $\frac{1}{16}$" = 1'-0"

FOOTING PLAN

SCALE: $\frac{1}{16}$" = 1'-0"

FLOOR PLAN

For dimensions of rooms and walls see Roof Plan.

PLAN OF FORCED HOT WATER HEATING SYSTEM

Boiler, Expansion Tank and pipes covered with insulation.

LEGEND

S.C.	Signal Corps	C.O.	Cleanout
S.C.H.H.	Signal Corps Handhole		Water Line
S.C.M.H.	Signal Corps Manhole		Drainage Line (Closed Joint)
E.H.H.	Electrical Handhole		Drainage Line (Open Joint)
E.M.H.	Electrical Manhole		Sanitary Sewer Line
"K"	Key side of door		Vent Line
(A)	Door Type		Main & Return (Heating System)
D.O.	Drain off		Fuel Line (Heating System)
□	Floor Drain		Hose Bibb
	Gate Valve (Heating System)		Gate Valve
C.W.S.	Chemical Warfare Services		

General Notes:

All elevations are in feet and refer to the plane of Mean Low Water.
Battery Finished Floor El. 49.50 unless otherwise noted.
Firing Platform Elevation 50.00
Where details of sections and section lines appear on different sheets, sheet numbers referring to location are given in section designation.
All exposed concrete corners chamfered 1 inch.
All concrete is Class "A".
All contraction and expansion joints are painted with 2 coats of bituminous cement throughout.
All expansion joints have $\frac{3}{4}$" expansion filler except where otherwise noted.
Intersection of floor slabs and walls are expansion joints.
All water, drainage and sewer pipes through walls are in C.I. pipe sleeves.
All electric cables through walls are in pipe sleeves.
Continuous water stop, 26 gauge black iron, placed in all contraction joints in walls and roof and extend down to top of footing.
3 ply waterproofing membrane placed over entire roof and carried down sides a distance of 1'-0", 3'-0" wide strips placed symmetrically over contraction joints on all sides and carried down to a minimum of 2'-0 below floor slab.
All joints in floor slabs are contraction joints.
All sleeves adjoining gasproofed areas are caulked gastight.
Elevations of drainage, water and sewer lines refer to invert unless otherwise noted.
All concrete shown in this set of Record Drawings is reinforced concrete. For size and spacing of reinforcing steel see Contract Drawings as follows: 4-7-4-10/8, 9, 11, 13 & 36; 4-9-1-2/14, 15, 21, 21A and 30; 4-4-3-9/12 and 13A; 4-7-4-20 and 4-12-4-1/10.
For openings and dimensions not shown, see Masonry Sections.
Electric Strip Heaters installed in duct near Air Conditioner Unit.
Conc. covers for trenches and handholes are 2" thick and are removable unless otherwise shown or noted.
The Contract Drawings consist of the following sheets: (File No's. 4-7-4-10/1A, 2, 5 to 9 incl., 11, 13, 18, 20, 20A, 22, and 31; 4-9-1-2/14, 15, 16, 16A, 17, 19, 21, 21A and 30; 4-12-4-1/6A and 10; 4-4-3-9/12 and 13A; 4-8-3-9/23; 4-8-3-16, 4-4-3-28, 4-7-4-20 and 4-9-1-6.)
This set of drawings represent the actual construction of Battery 207.

BOILER SCHEDULE	
TYPE	INSTALLED RAD.
C.I. SECTIONAL OIL FIRED	610 SQ. FT.

Boiler Capacity based on 150 B.T.U. per Sq. Ft. per Hour.

CIRCULATING PUMP	
MIN. PUMP CAPACITY G.P.M.	10
HEAD FEET OF WATER	$6\frac{1}{2}$

UNIT HEATER SCHEDULE					
UNIT	NO. OF UNITS	B.T.U. PER HR.	C.F.M.	R.P.M.	ENT. AIR TEMP.
A	1	56,000	820	1740	40° F
B	1	35,000	495	1600	40° F

Unit Heater Capacity based on 200° F water.
Note: Main and return pipes pitch down toward Boiler.

NO.	CHARACTER	DATE	BY
	REVISIONS		

RESTRICTED RECORD DRAWING

HARBOR DEFENSES OF BOSTON

BATTERY NO. 207

MASONRY PLANS, EQUIPMENT ARRANGEMENT, WATER, DRAINAGE AND PLUMBING LAYOUTS.

IN 6 SHEETS — SHEET NO. 2 — SCALE: $\frac{3}{16}$" = 1'-0"

U. S. ENGINEER OFFICE, BOSTON, MASS. — 22 JULY 1944

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

APPROVED: H. L. Dunham, LT. COLONEL, CORPS OF ENGINEERS, DISTRICT ENGINEER

SUBMITTED: F. S. Brown, CHIEF, DESIGN SECTION, SR. ENGINEER

Peter A. Murphy, ENGINEER

DES. BY L. H. M.
DR. BY R. A. W.
TR. BY R. A. W.
CH. BY L. H. M.

FILE NO. 207/2