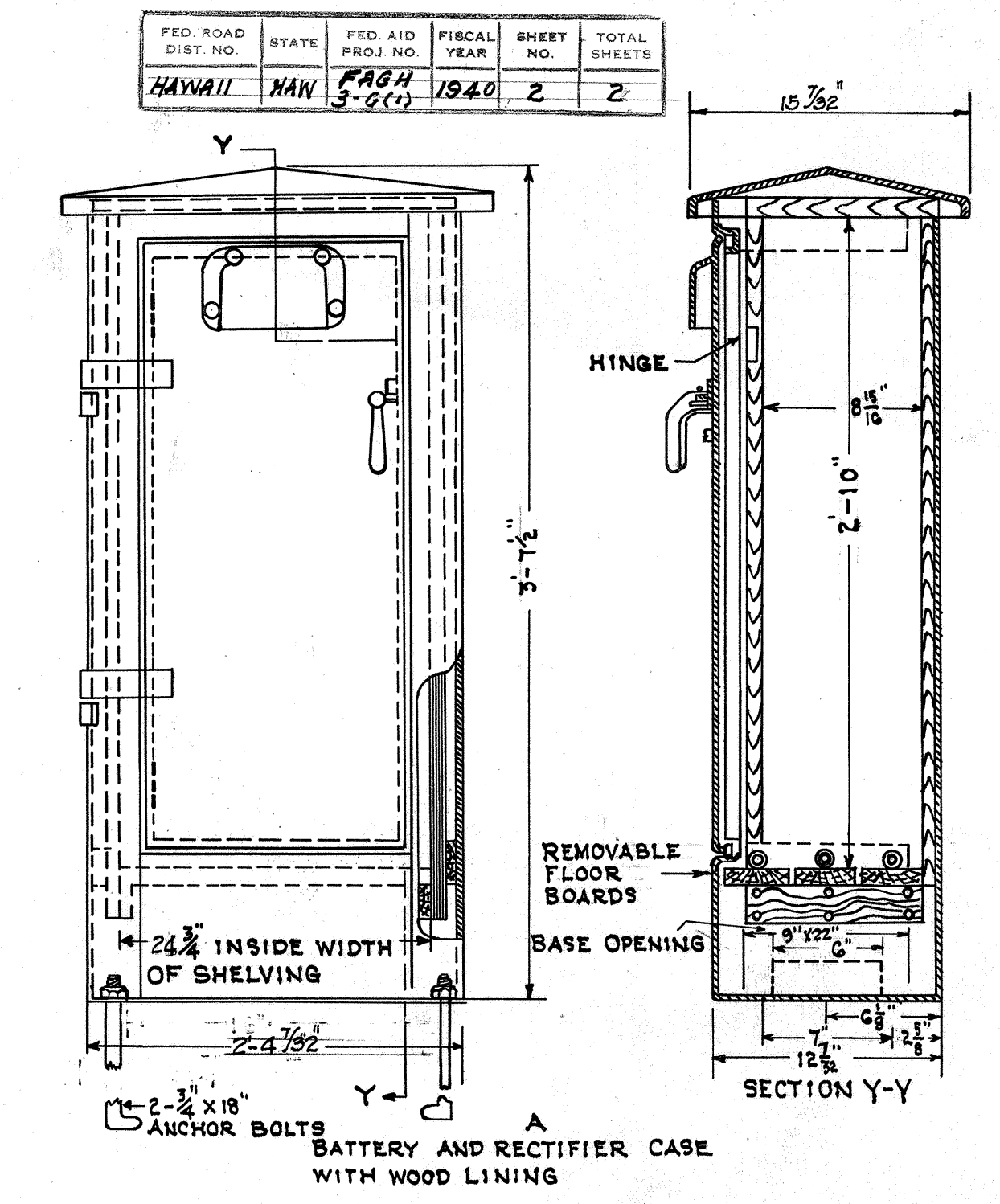
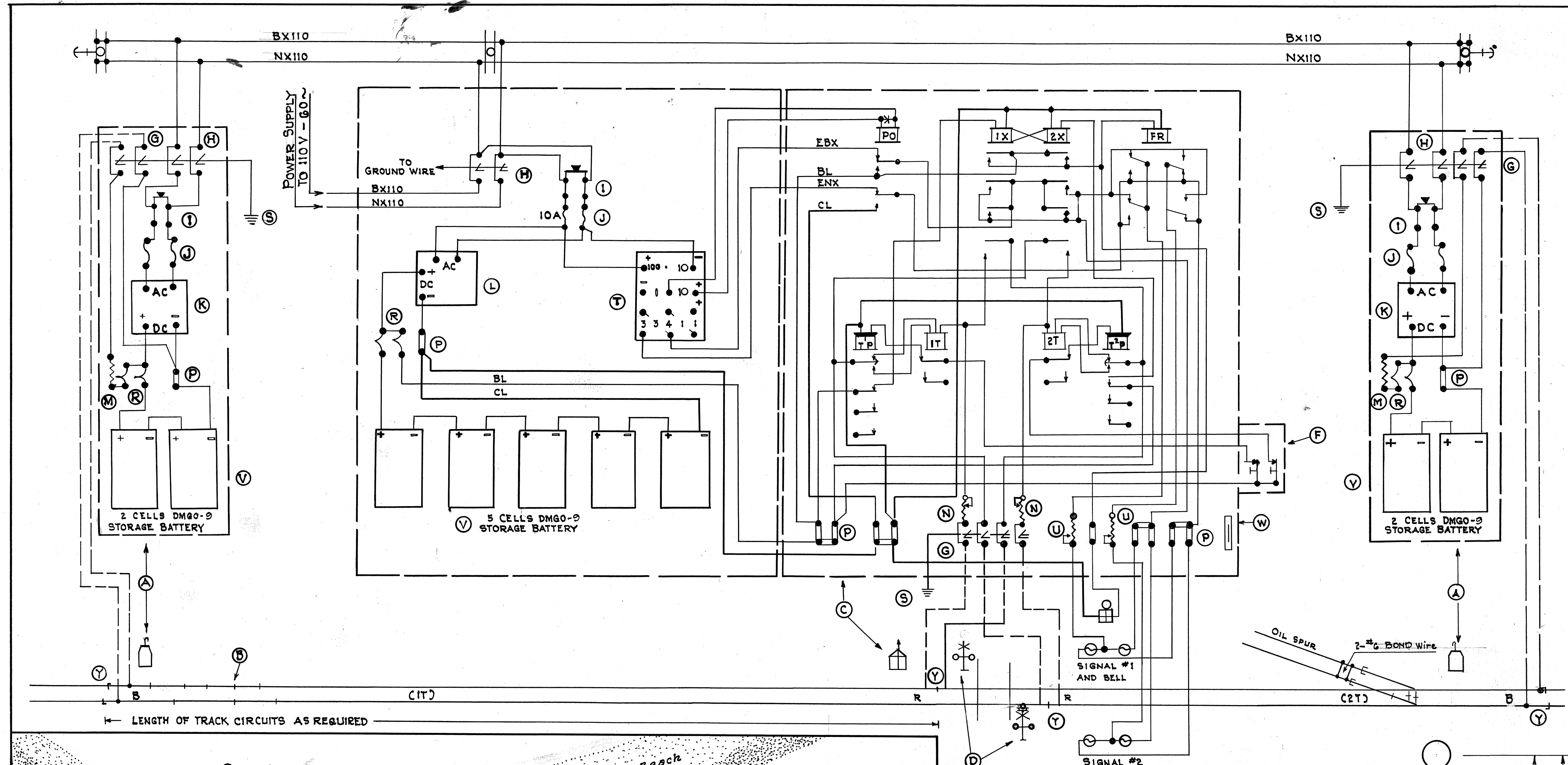
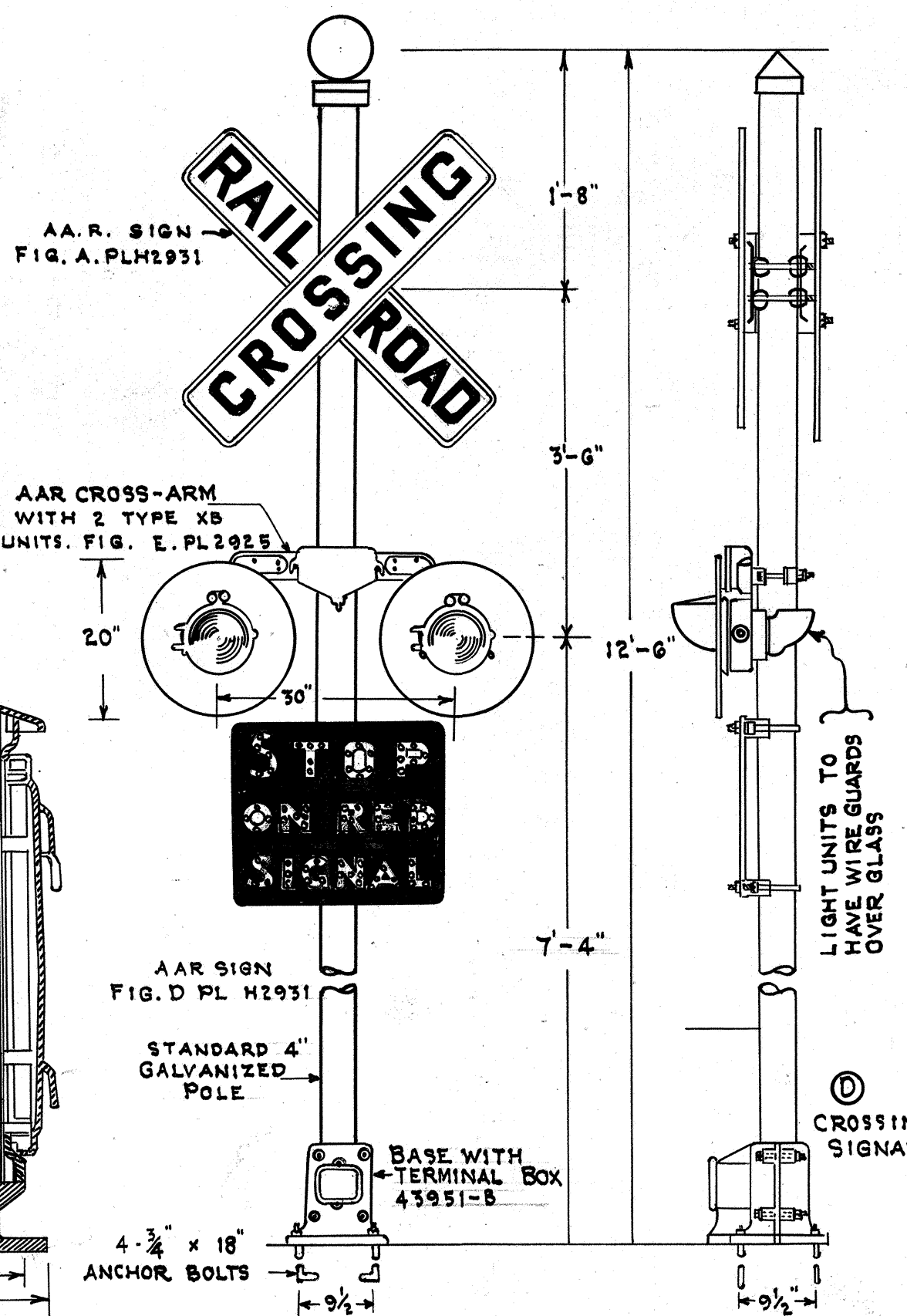
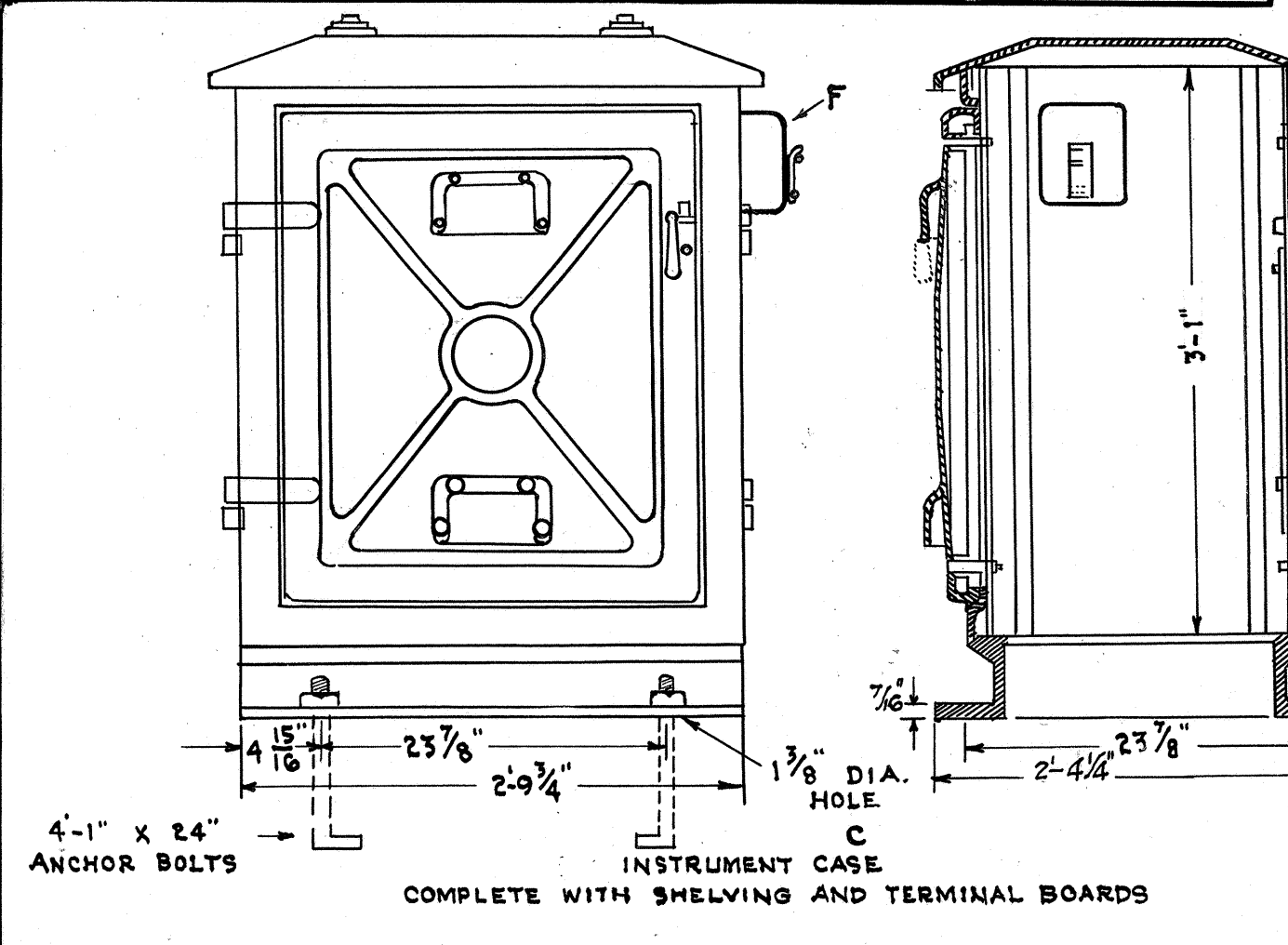
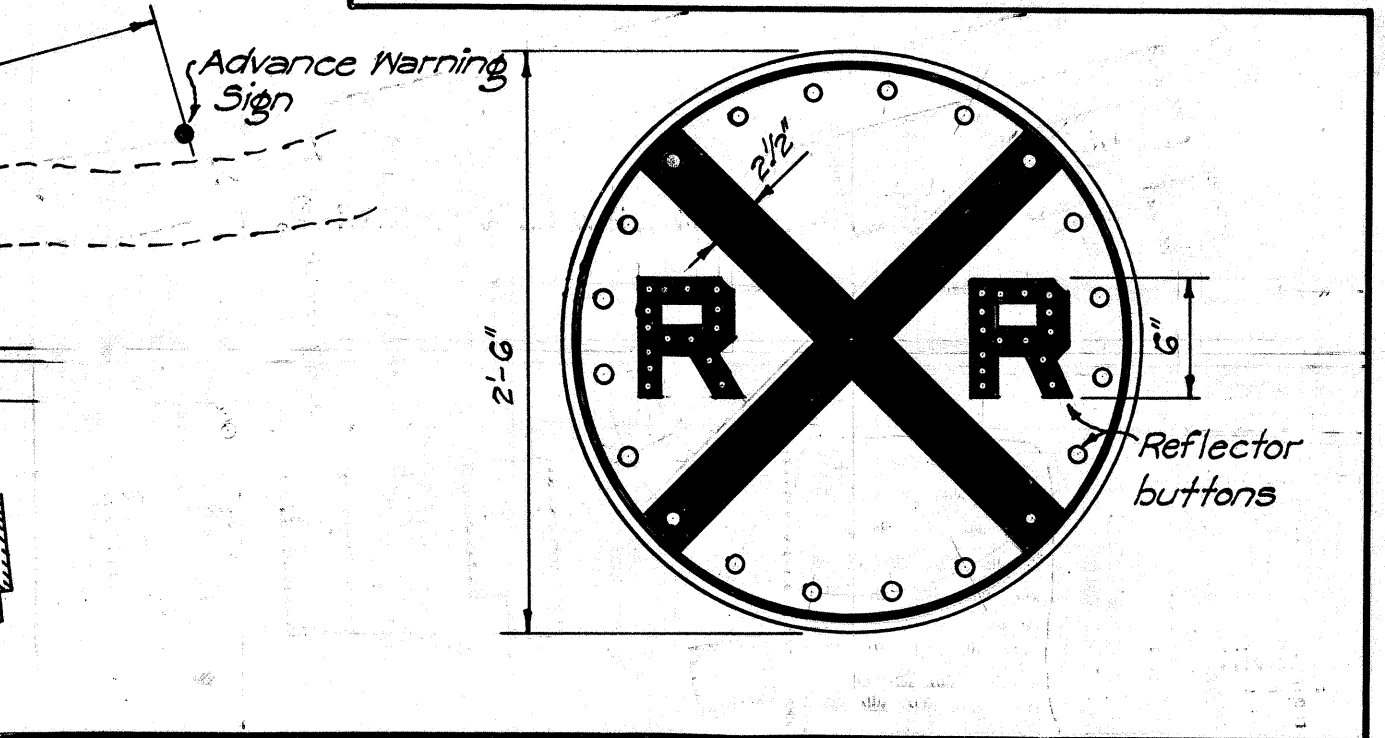
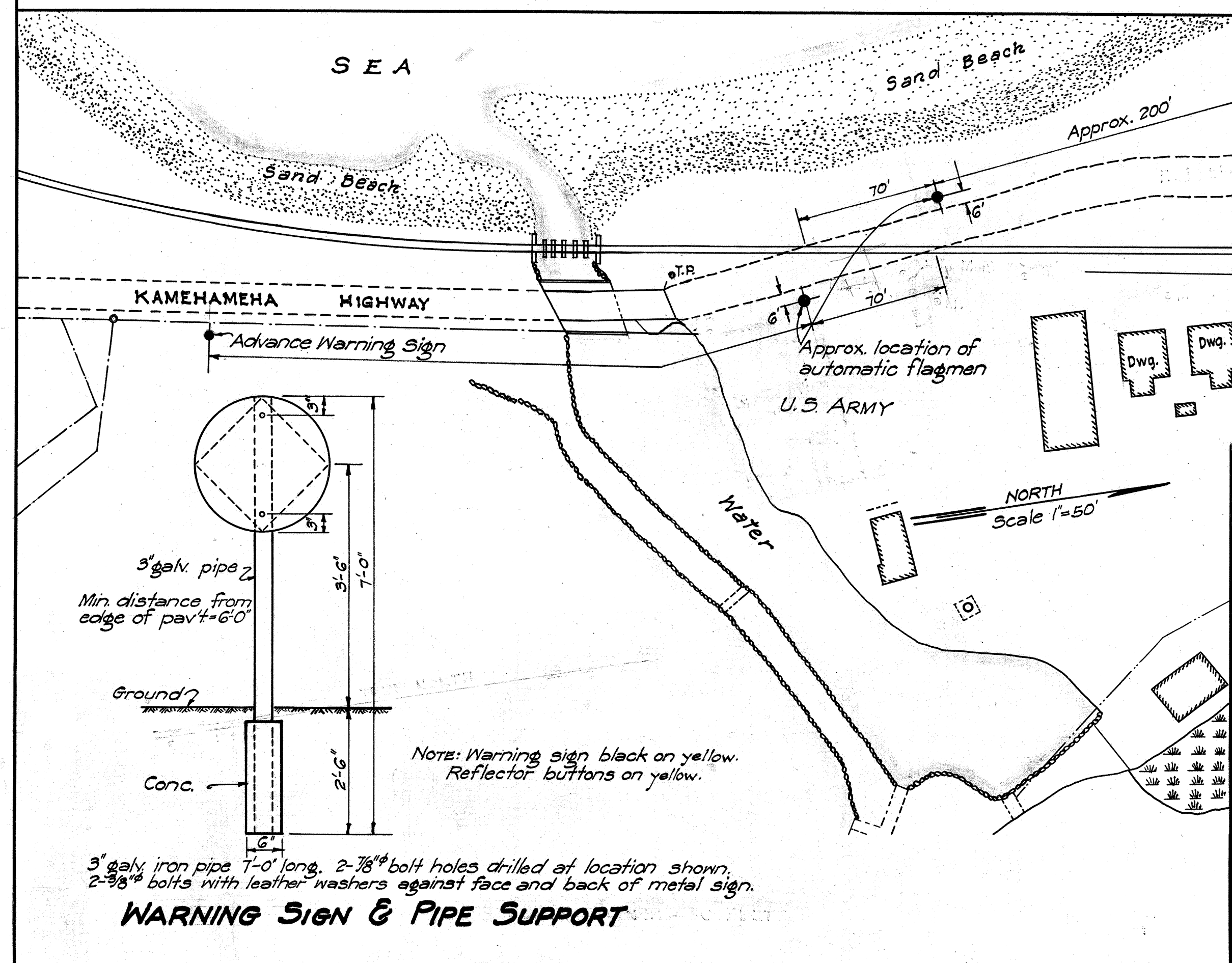




MATERIALS			REQUIRED
FIGURE			
A	Welded steel case complete, General Signal Co. Pl. E 0949		2
B	Bonds obelisk (Gas Weld) Ohio Brass Co. #1,2430		140
C	Welded steel case complete G.R.S. Pl. E 0 935 with cable post Pl. E 0942 Fig. 3		1
D	Highway Crossing Signal Complete G.R.S. Co. Plate H 2919 Fig. A except with junction box base 4385-2		2
E	Crossing bell D.C. Union Switch & Signal Co. Pl. K 80 Ref. 3 A.C.		1
F	Test key 2 way mounted on ins. case G.R.S. Co. #SK 5525		1
G	Low voltage lighting arrester G.R.S. 29284-2 Gr. 1		9
H	High voltage lighting arrester G.R.S. 29284-2 Gr. 2		8
I	Entrance switch D.R.S.T. G.R.S. 53615 Gr. 1		1
J	Fuse block G.R.S. 50037 Gr. 1		6
K	Full wave rectifier G.R.S. Co. Type BT 116		2
L	Full wave rectifier G.R.S. Co. Type BT 132		1
M	Resistance unit 4 ohm adj. G.R.S. Co. 40450-3 Gr. 5		2
N	Resistance unit 40 ohm adj. G.R.S. Co. 40450-2		2
P	A.R.A. Terminal block G.R.S. Co. 40448-22		16
R	A.R.A. Terminal block with Test Terminal G.R.S. Co. 40448-22		6
S	Ground rod 1/2" x 9'-0" copperweld		3
T	Transformer G.R.S. type K 1/2 39270-3 Gr. 8		1
U	Resistance Unit 25 ohm adj. G.R.S. 55293		2
V	Exide DMGO-9 Storage battery cells, 1-hyrometer E. S. Battery Co.		9
W	Socket wrench for A.R.A. Terminal nuts, G.R.S. 15194-6		1
Y	Weber insulated rail joints 22" long		9
RELAYS			
T	Relay primary G.R.S. Co. type K 53000-116 Gr. 6		2
TP	Relay repeater G.R.S. Co. type K 4 53000-112 Gr. 8		2
X	Relay interlocking G.R.S. Co. type K-2 53000-123 Gr. 4		1
PO	Relay power transfer G.R.S. Co. type K-2 53000-123 Gr. 4		1
FR	Relay flashing G.R.S. Co. type K 53000-4-32 Gr. 7		1

NOTE: Material of an approved equal may be substituted for that specified



5030.2

OAHU RY. AND LAND CO.

HONOLULU HAWAII

SD-110 HG

TYPICAL CIRCUIT AND STANDARD MATERIALS FOR A.A.R. FLASHING LIGHT HIGHWAY CROSSING SIGNALS

NOT TO SCALE

DATE: APRIL 20, 1940