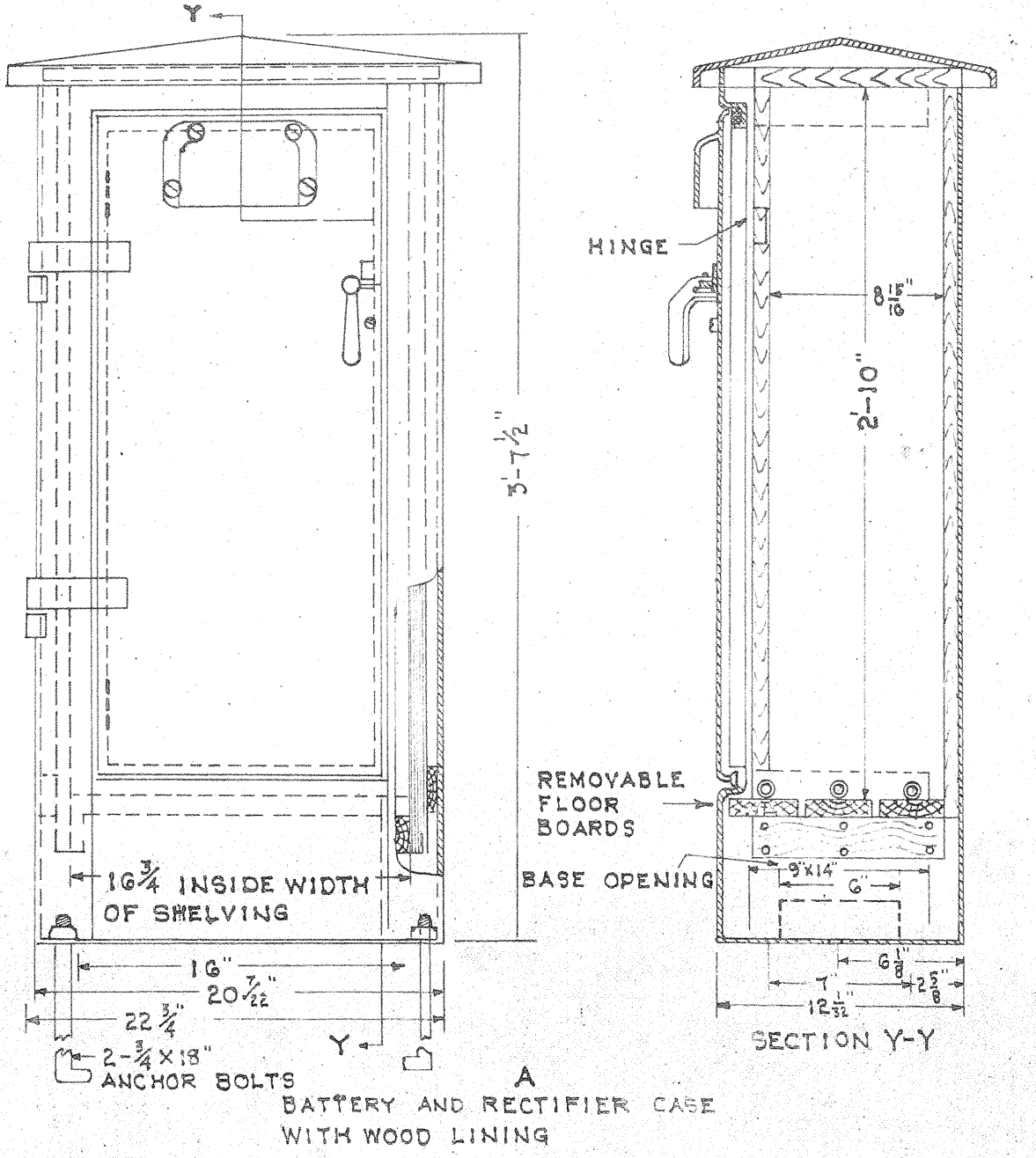
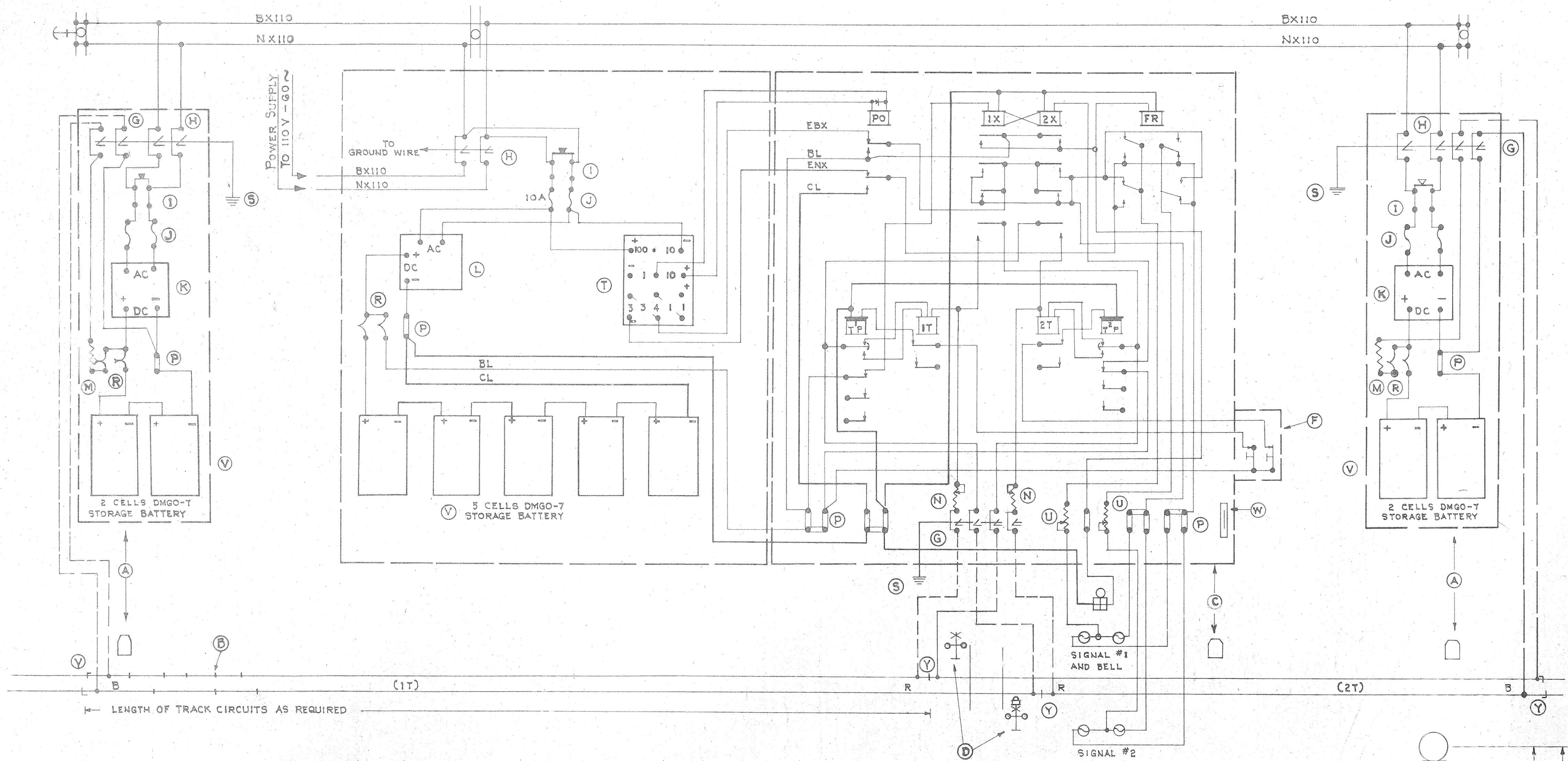
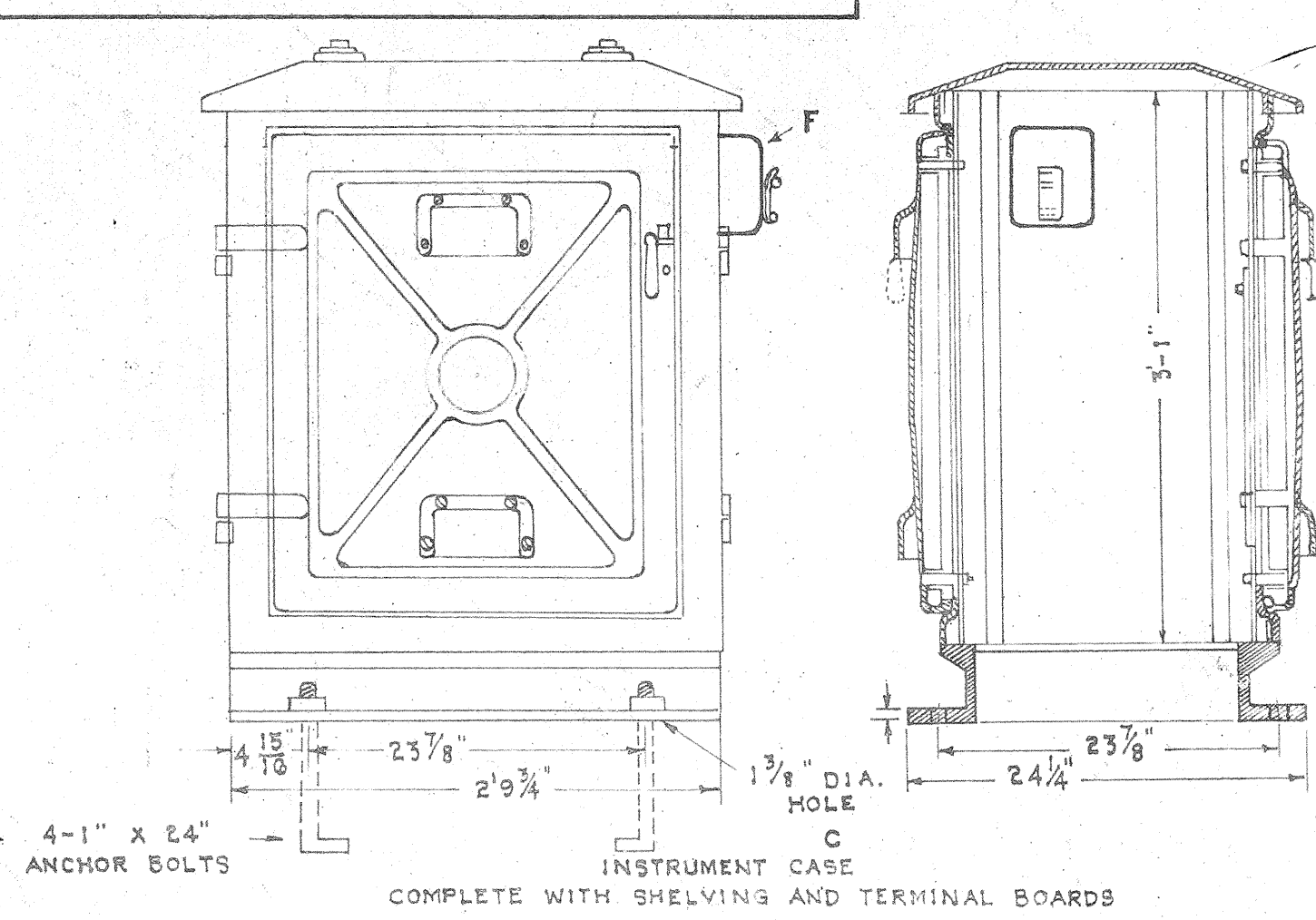
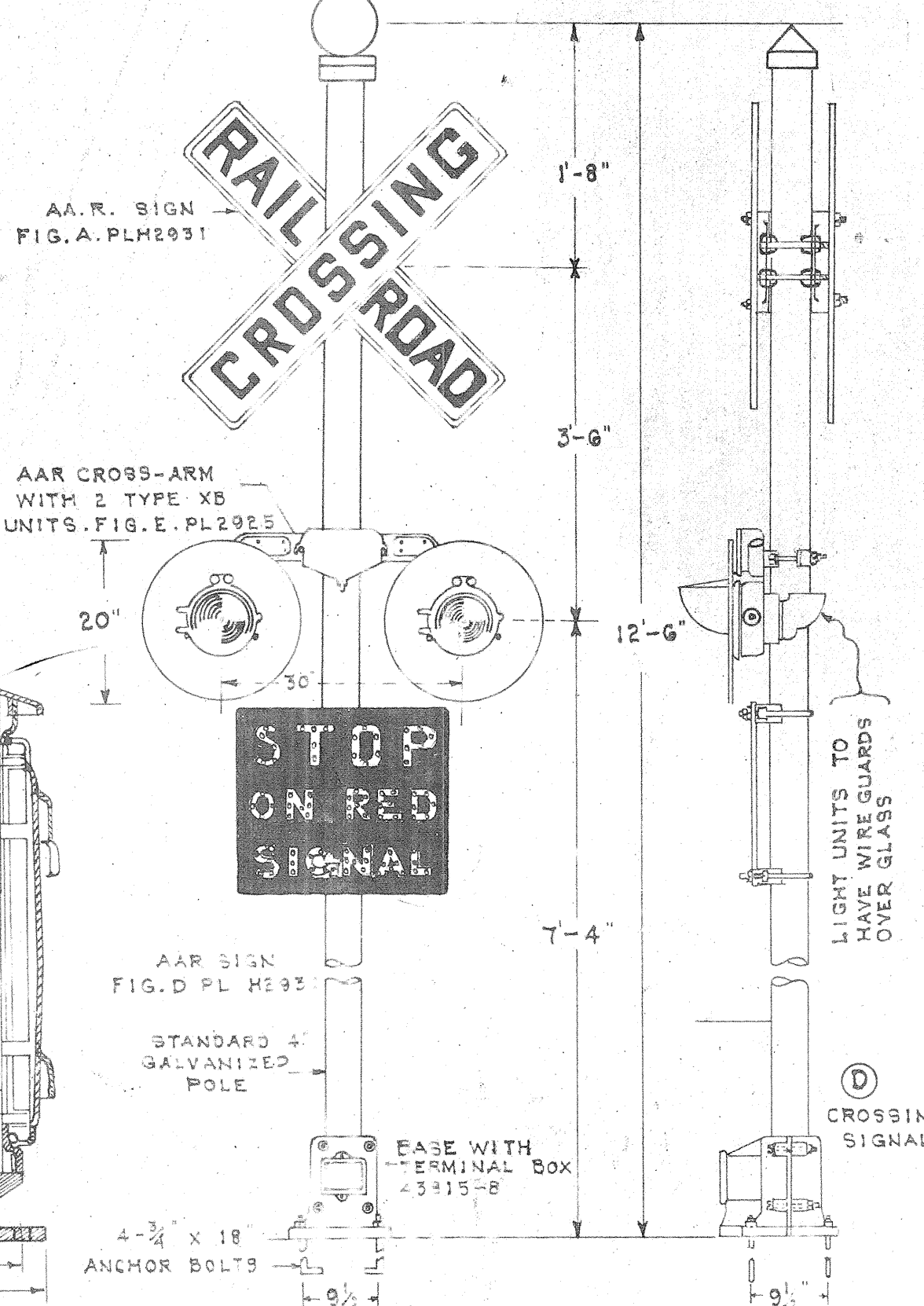
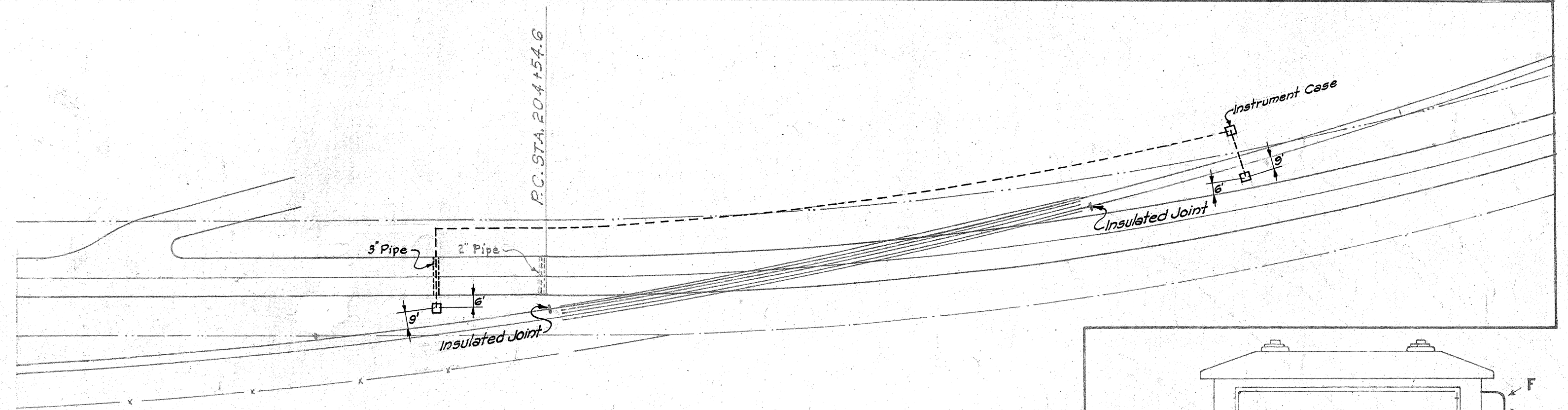




MATERIALS		
FIGURE		REQUIRED
A	Welded steel case complete, General Signal Co. Pl. E 0247 C	2
B	Bonded alloy (zinc plated), Ohio Brass Co. #6048	100
C	Welded steel case complete, G.R.S. Pl. E 0 935	1
D	Highway crossing signal complete, G.R.S. Co. Plate H 2913	2
E	Fig. A except with junction box base 43515-8	
F	Crossing bell D.C. Union Switch & Signal Co. Pl. K 80 Ref. 3 AC	1
G	Test key, 2 way mounted on instr. case, G.R.S. Co. #5K 5525	1
H	Low voltage lighting arrester, G.R.S. 29284-2 Gr. 1	8
I	High voltage lighting arrester, G.R.S. 29284-2 Gr. 2	8
J	Entrance switch D.R.S.T. G.R.S. 59615 Gr. 1	1
K	Fuse block, G.R.S. 50037 Gr. 1	6
L	Full wave rectifier, G.R.S. Co. Type BT 116	2
M	Full wave rectifier, G.R.S. Co. Type BT 132	1
N	Resistance unit 4 ohm adj., G.R.S. Co. 46450-3 Gr. 5	2
O	Resistance unit 40 ohm adj., G.R.S. Co. 46450-2	2
P	ARA Terminal block, G.R.S. Co. 46048-22	10
R	ARA Terminal block with test terminal, G.R.S. Co. 46048-22	6
S	Ground rod 1/2" x 9'-0" copperweld	3
T	Transformer, G.R.S. Type K 1/2 35270-3 Gr. 8	1
U	Resistance Unit 2.5 ohm adj., G.R.S. 55293	2
V	Exide DMGO-7 storage battery cells, 1 hydrometer	9
W	I-thermometer, E.S. Battery Co.	1
X	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 53000-32 Gr. 7	1

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



SCALE: 1 Inch = 50 Feet

OAHU RY. AND LAND CO.
HONOLULU, HAWAII
SD-105 HG
TYPICAL CIRCUIT AND STANDARD MATERIALS FOR A.R. FLASHING LIGHT HIGHWAY CROSSING SIGNALS
NOT TO SCALE
DATE 3-23-39

4436.2