

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS

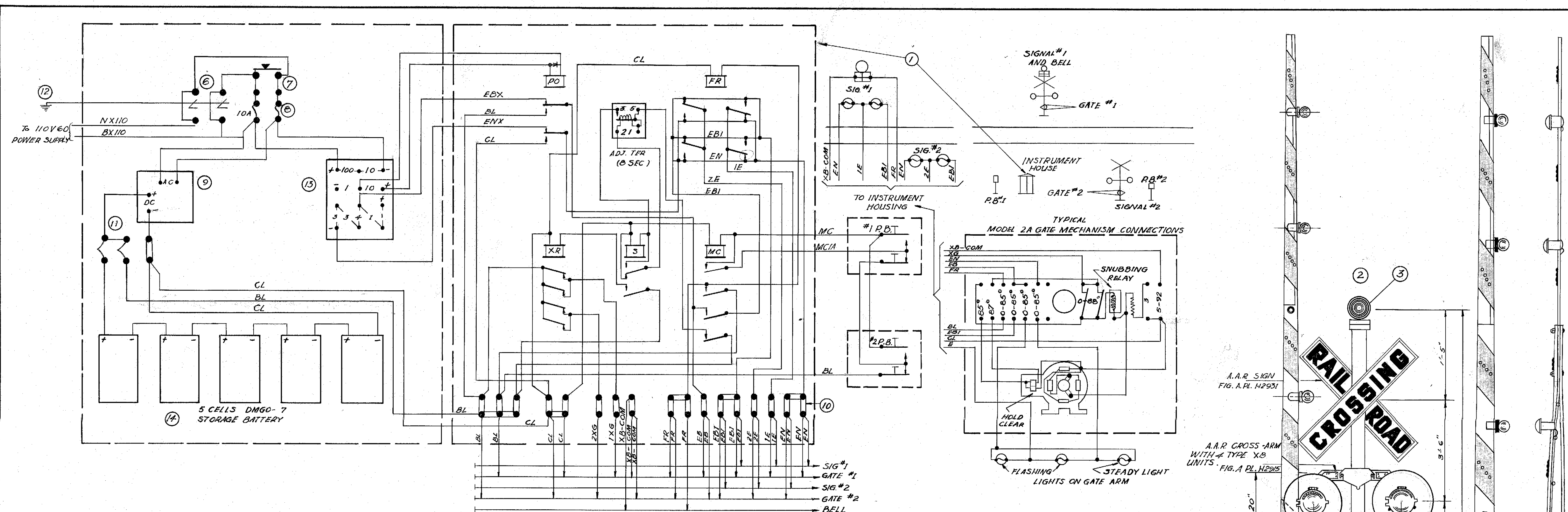
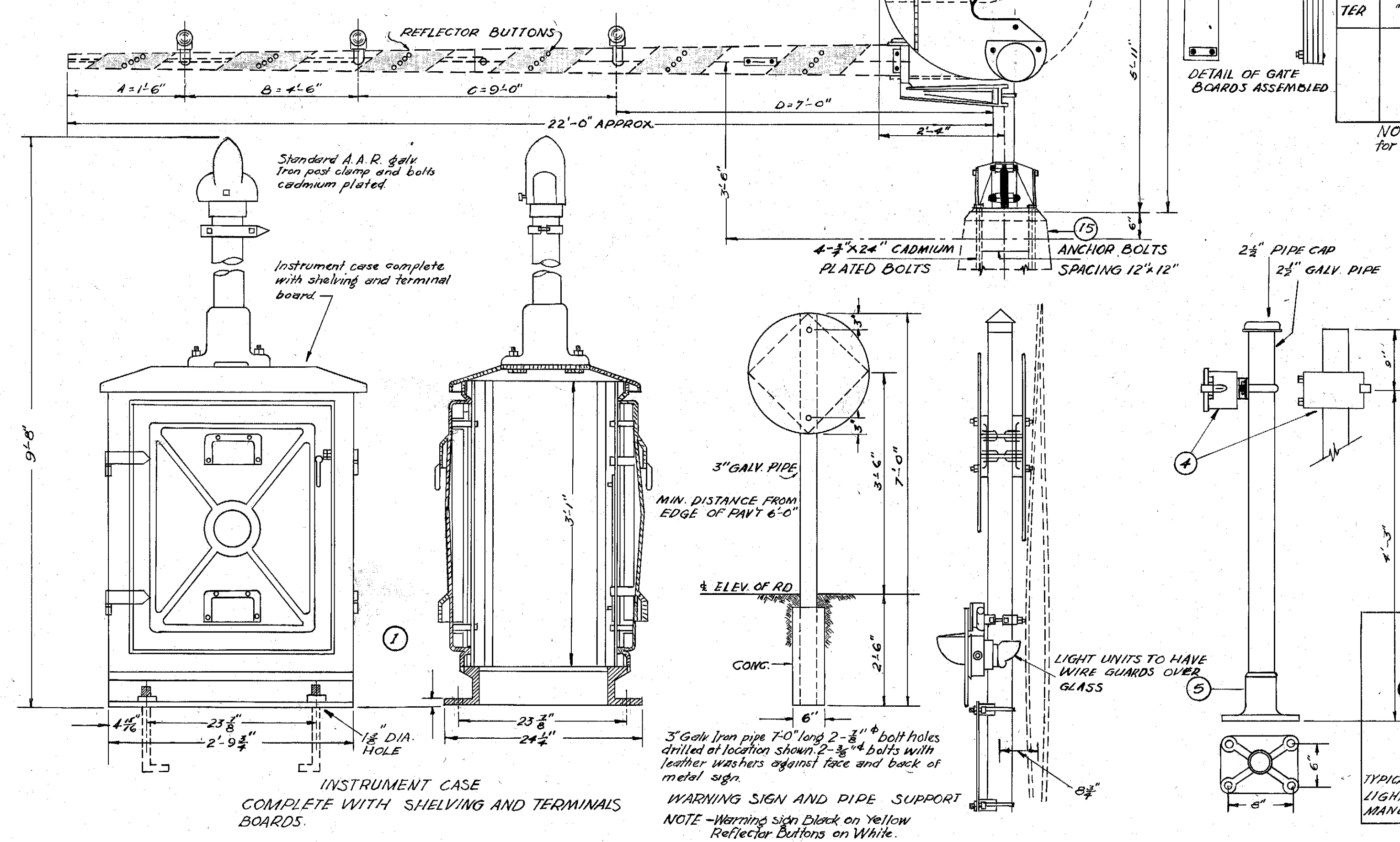
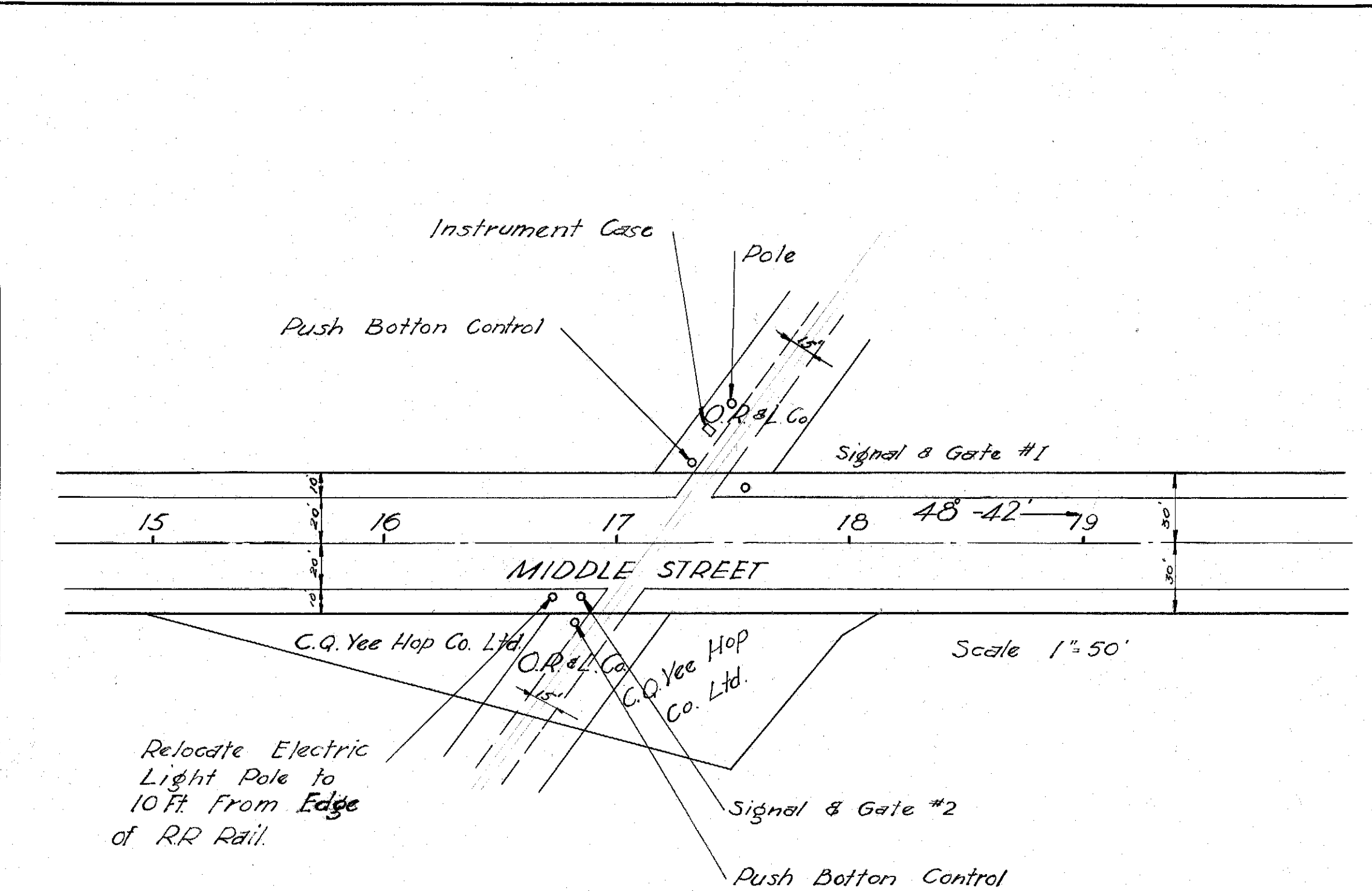


Fig	MATERIALS DESCRIPTION	REQD
1	Welded Steel Case G.R.S. CO. Plate E0955 Fig. A With Cable Post Complete Plate E0942 Fig. B	1
2	Highway Crossing Signal G.R.S. CO. Plate H2915 Fig. A Complete With Galvanized Pole 13'-8" High Bottom of Base To Center of Bell And With G.R.S. Co. Highway Crossing Gate Complete Ref. No. 56595-1 For Mounting On A.A.R. Crossing Signal. These Poles To Have Base 43951-B G22 Base Except With 12" Bolt Spacing With X.B. Units.	2
3	Crossing Bell 10V D.C. (On One Sig.) U.S. #3 CO. Plate K80	1
4	Push Button Assembly Box 56820-5 GR.4 Spl. With Panel 55999-19 GR.1	2
5	Base For 23" Pipe Plate E0801 Fig. 13	2
6	High Voltage Switching Armature G.R.S. CO. 29284-2 GR.2	2
7	Entrance Switch D.D.S. G.R.S. CO. 53615 GR.1	1
8	Fuse Block With Fuse G.R.S. CO. 50037 GR.1	2
9	Full Wave Rectifier G.R.S. CO. Type BT132	1
10	A.A.R. Terminal Block G.R.S. CO. 46048-22	10
11	A.A.R. Terminal Block G.R.S. CO. 46048-22 With Best Terminal 52941-1	2
12	Ground Rod 3/4"x9'-0" Copper Weld	1
13	Transformer G.R.S. CO. Type # 38270-3 GR. e	1
14	Exide DMGO-7 60AH Storage Battery	5
15	Foundation For Signal To Be A.A.R. Standard For Bolt Spacing 12"x12"	
RELAYS		
DO	G.R.S. CO. Type K2 Power Transf. Relay 53000-123 GR.4	1
FR	" " " K Relay 53004-32 GR.7	1
XR	" " " K4 Gate Operating Relay 53000-142 GR.17	1
MC	" " " K4 Manual Control Relay 53000-84 GR.17	1
S	" " " K2 Stick Time Relay 53000-122 GR.20	1
TER	" " " TJ Thermal Relay (6-10 Seconds) Adjustable 53610-23 GR.8	1

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



NOTES

Anchor bolts to be galvanized or cadmium plated. Signal and push button poles to be galvanized. Bolts, nuts, clamps etc. for poles to be cadmium plated.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
OAHU RAILWAY & LAND CO.
HONOLULU, OAHU
SD-115 HG

TYPICAL CIRCUIT AND STANDARD MATERIALS FOR A.A.R. FLASHING LIGHT HIGHWAY CROSSING SIGNALS AND CROSSING GATES MANUALLY OPERATED BY TRAIN CREW. (NOT TO SCALE)

SHEET NO. OF SHEETS

DATE	DESIGNED BY	TRACED BY	QUANTITIES BY	CHECKED BY