

STATE OF MINNESOTA
DEPARTMENT OF HIGHWAYS

CONSTRUCTION PLAN FOR 2 PHASE ACTUATED SIGNAL SYSTEM

County State Aid Highway No. 23

Between _____ And _____

From _____ To _____
Give proper reference to Sections, Township and Range

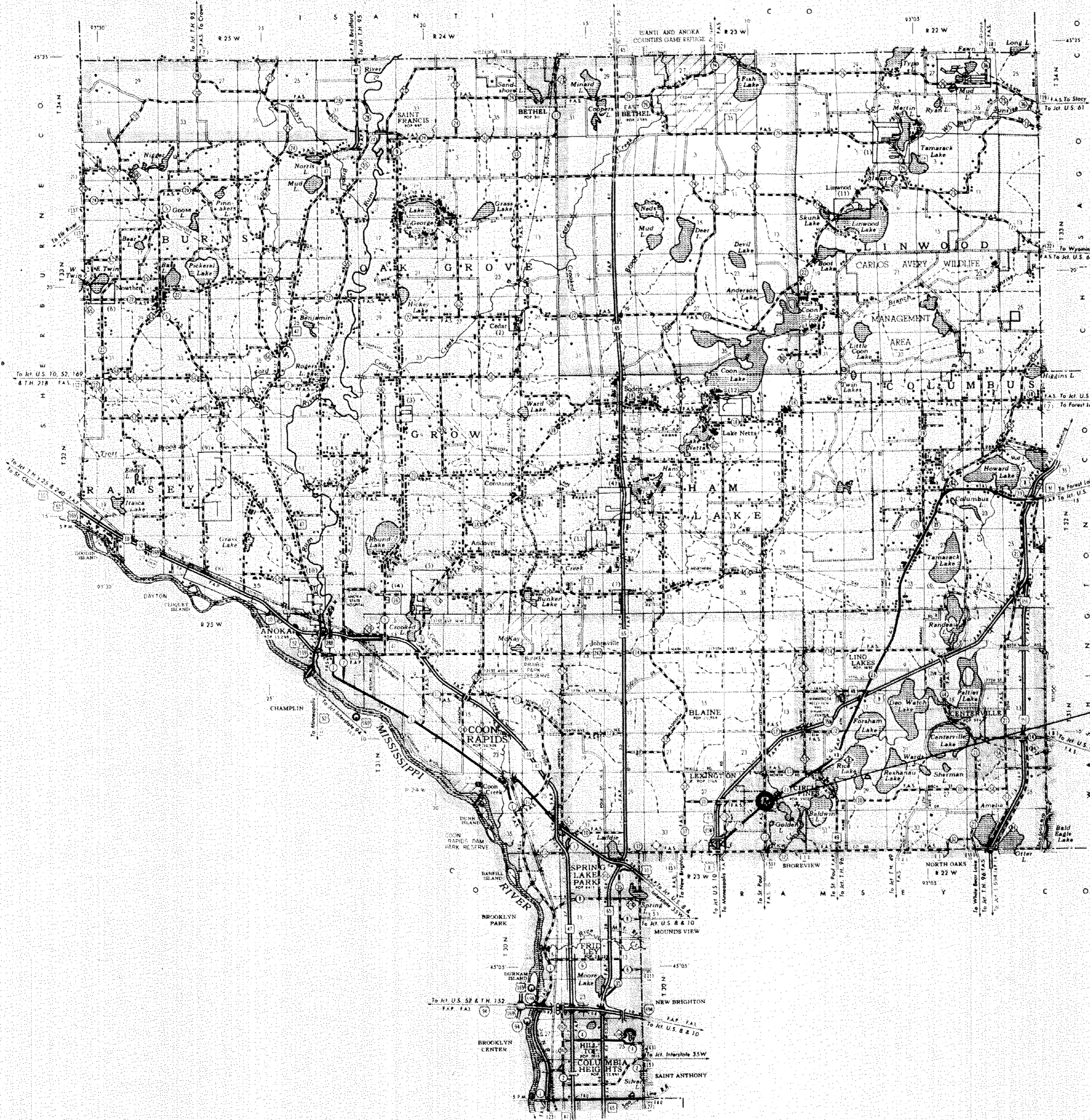
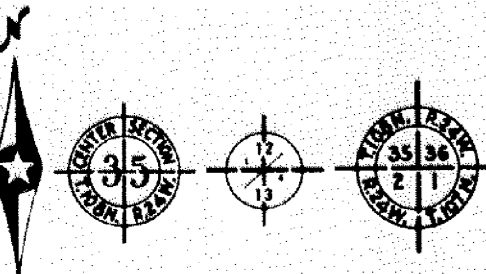
GROSS LENGTH _____ FEET _____ MILES
BRIDGES LENGTH _____ FEET _____ MILES
EXCEPTIONS LENGTH _____ FEET _____ MILES
NET LENGTH _____ FEET _____ MILES

INDEX OF SHEETS

- Sheet No. 1 Title Sheet & Layout Map
- No. 2 Est. Quantities & Typical Sec.
- No. 3 To _____ Plan & Profile
- No. To _____ Cross Sections

CONVENTIONAL SIGNS

- STATE LINE
- COUNTY LINE
- TOWNSHIP OR RANGE LINE
- SECTION LINE
- QUARTER LINE
- SIXTEENTH LINE
- RIGHT OF WAY LINE
- PRESENT RIGHT OF WAY LINE
- CONTROL OF ACCESS LINE
- PROPERTY LINE (Except Land Lines)
- WATER PLATED PROPERTY
- CORPORATE OR CITY LIMITS
- TRUNK HIGHWAY CENTER LINE
- RAILROAD WALL
- RAILROAD
- RAILROAD RIGHT OF WAY LINE
- RIVER OR CREEK
- DRY RUN
- DRAINAGE DITCH
- ELECTRIC POWER LINE
- TELEPHONE OR TELEGRAPH LINE
- JOINT TELEPHONE AND POWER CONDUIT
- TELEPHONE CABLE - AERIAL
- TELEPHONE CABLE - UNDERGROUND
- POWER CABLE UNDERGROUND
- GAS MAIN
- CULVERT
- SHOULDER
- GUARD RAIL
- BARBED WIRE FENCE
- WOODEN WIRE FENCE
- CHAIN LINK FENCE
- RAILROAD SNOW FENCE
- STONE WALL OR FENCE
- WATER PIPE
- SEWER PIPE
- DRAIN TILE
- SPRINGS
- HARBOR
- TIMBER
- ORCHARD
- BRUSH
- NURSERY
- CATCH BASIN
- MANHOLE
- FIRE HYDRANT
- STREET LIGHT
- RAILROAD CROSSING SIGN
- RAILROAD CROSSING BELL
- ELECTRIC WARNING SIGN
- CROSSING GATE
- CATTLE GUARD
- OVERPASS (Highway Over)
- UNDERPASS (Highway Under)
- BRIDGE
- BUILDING (One Story Frame)
- F - FRAME C - CONCRETE
- S - STONE T - TILE
- B - BRICK ST - STUCCO
- IRON PIPE OR ROD
- MONUMENT (STONE, CONCRETE, OR METAL)
- WOODEN HUB
- GRAVEL PIT
- SAND PIT
- BORROW PIT
- ROCK QUARRY
- MEANDER CORNER



PROJECT CP 76-21-23

DESIGN DESIGNATION

ADT (CURRENT YEAR) _____
 ADT (FUTURE YEAR) _____
 T (HEAVY COMMERCIAL)
 _____ Ton Design
 Design Speed _____ MPH
 Design Speed not achieved at:
 STA. _____ TO STA. _____ MPH
 STA. _____ TO STA. _____ MPH

SPECIFICATIONS

THE "STANDARD" SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, DATED JAN. 1, 1974, SHALL GOVERN.

ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES WILL BE COMPLIED WITH, IN THE CONSTRUCTION OF THIS PROJECT.

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Paul K. Rind
COUNTY ENGINEER DATE 7-6-76

ANOKA COUNTY REG. NO. 6549

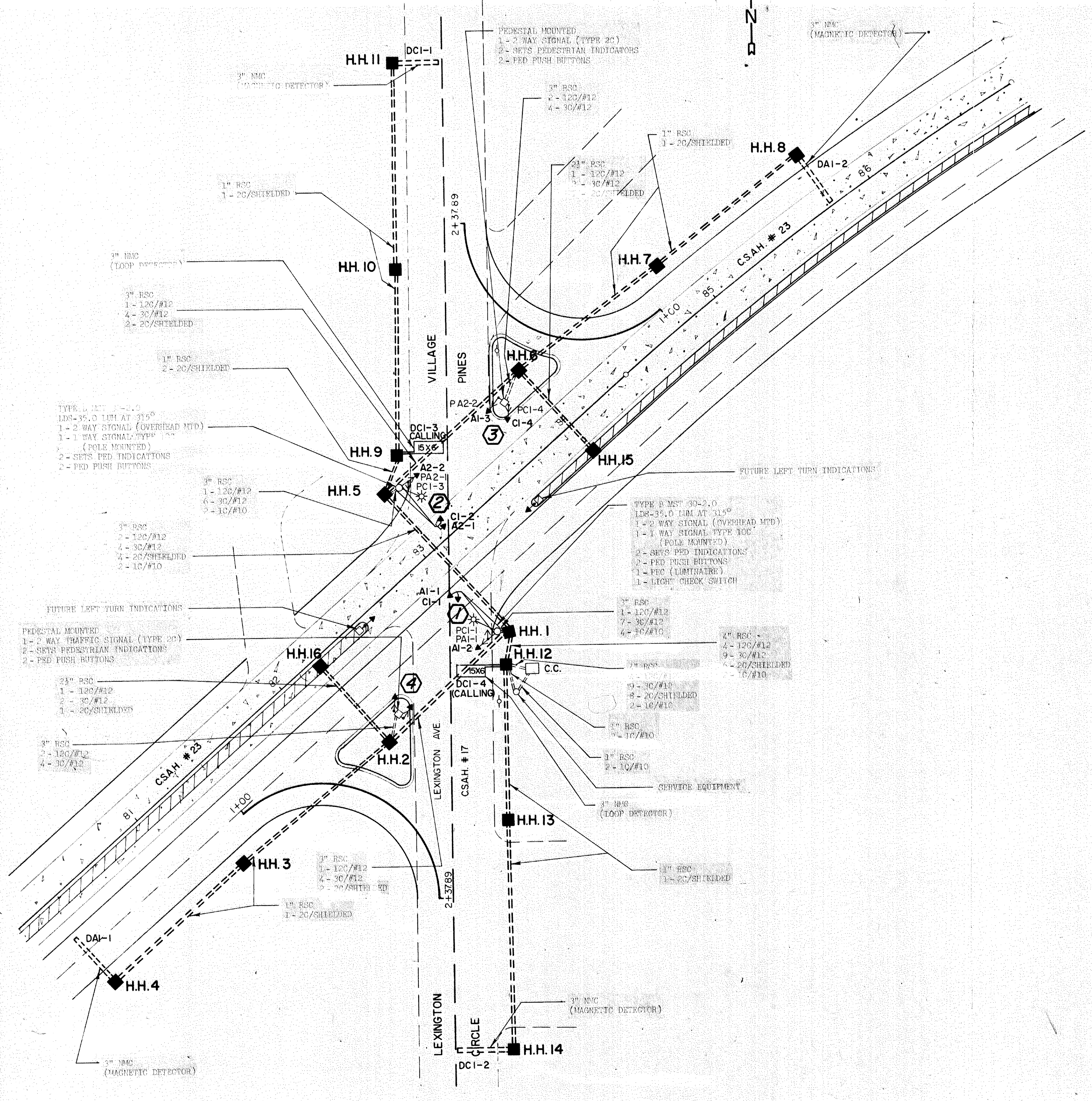
RECOMMENDED FOR APPROVAL _____ 19____
DISTRICT ENGINEER

RECOMMENDED FOR APPROVAL _____ 19____

APPROVED _____ 19____ STATE AID ENGINEER

Minn. Proj. No. _____ County Proj. No. 76-21-23
 State Proj. No. _____ S. A. P.

Conduit system



TYPE B MNT 30-2.0
LDS-35.0 ILM AT 315°
1-2 WAY SIGNAL (OVERHEAD MTD)
1-1 WAY SIGNAL TYPE 100
(POLE MOUNTED)
2-SETS PED INDICATORS
2- PED PUSH BUTTONS

PEDESTAL MOUNTED
1-2 WAY TRAFFIC SIGNAL (TYPE 20)
2-SETS PEDESTRIAN INDICATORS
2- PED PUSH BUTTONS

TYPE B MNT 30-2.0
LDS-35.0 ILM AT 315°
1-2 WAY SIGNAL (OVERHEAD MTD)
1-1 WAY SIGNAL TYPE 100
(POLE MOUNTED)
2-SETS PED INDICATORS
2- PED PUSH BUTTONS
1- PEC (LUMINAIRE)
1- LIGHT CHECK SWITCH

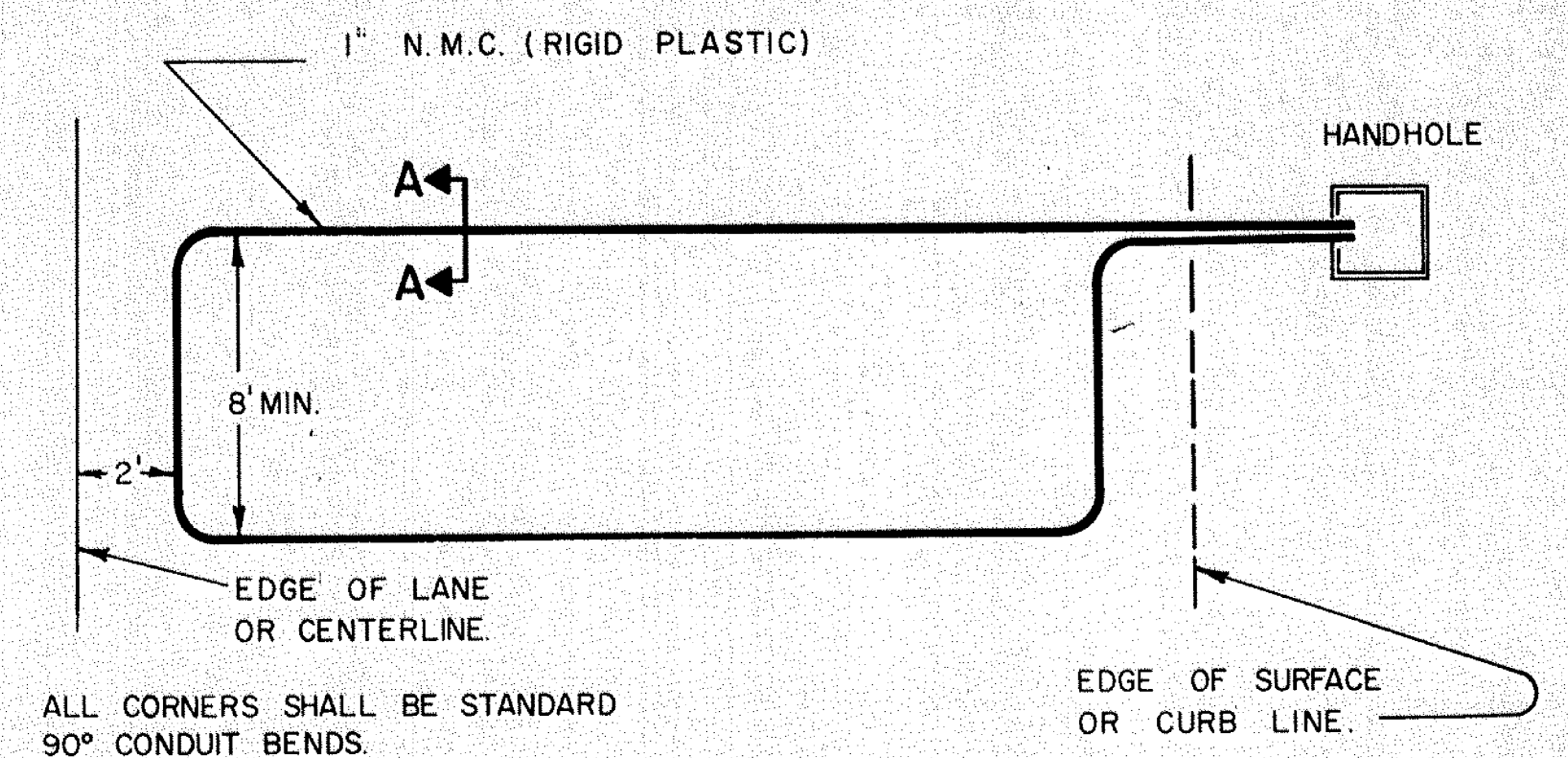
SYMBOLS

- F & I HANDHOLE (HH)
- ===== F & I RIGID STEEL CONDUIT (RSC)
- F & I 3" NON METALLIC CONDUIT (NMC)
FOR MAGNETIC DETECTOR

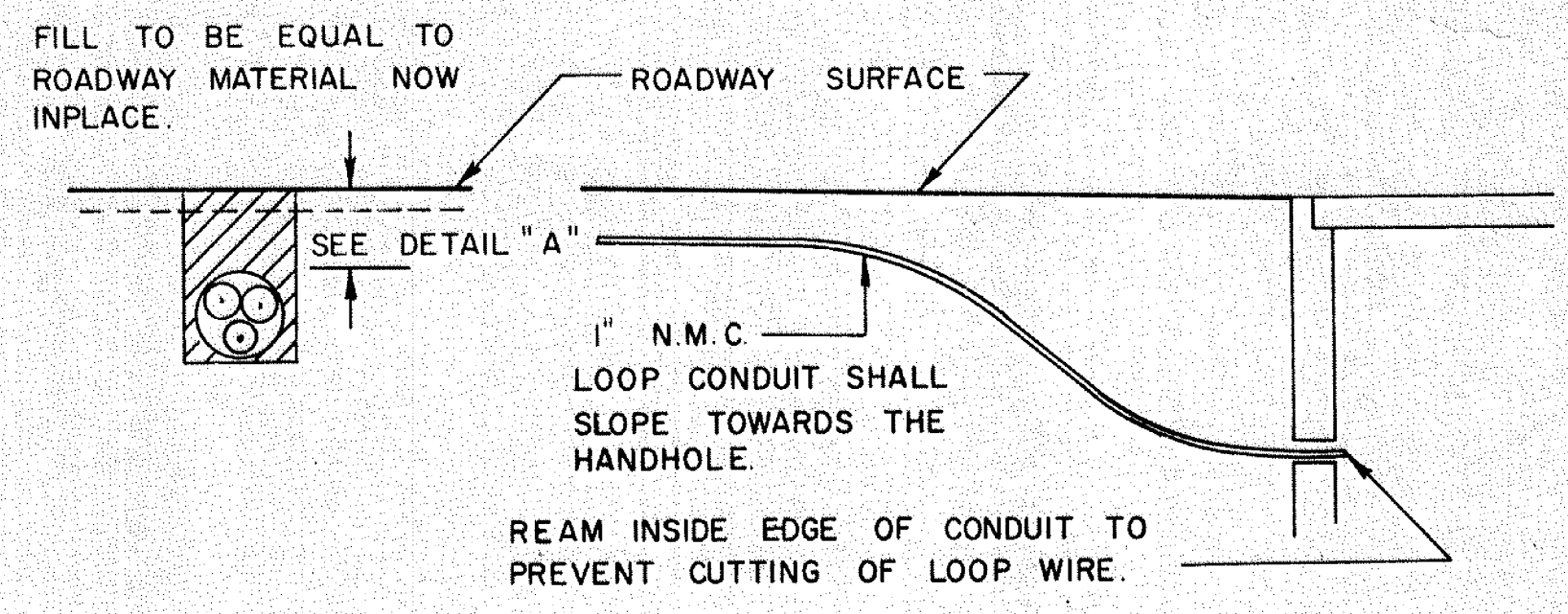
SCALE 1" = 30'

LOOP DETECTOR DETAIL "B"

SCALE NONE

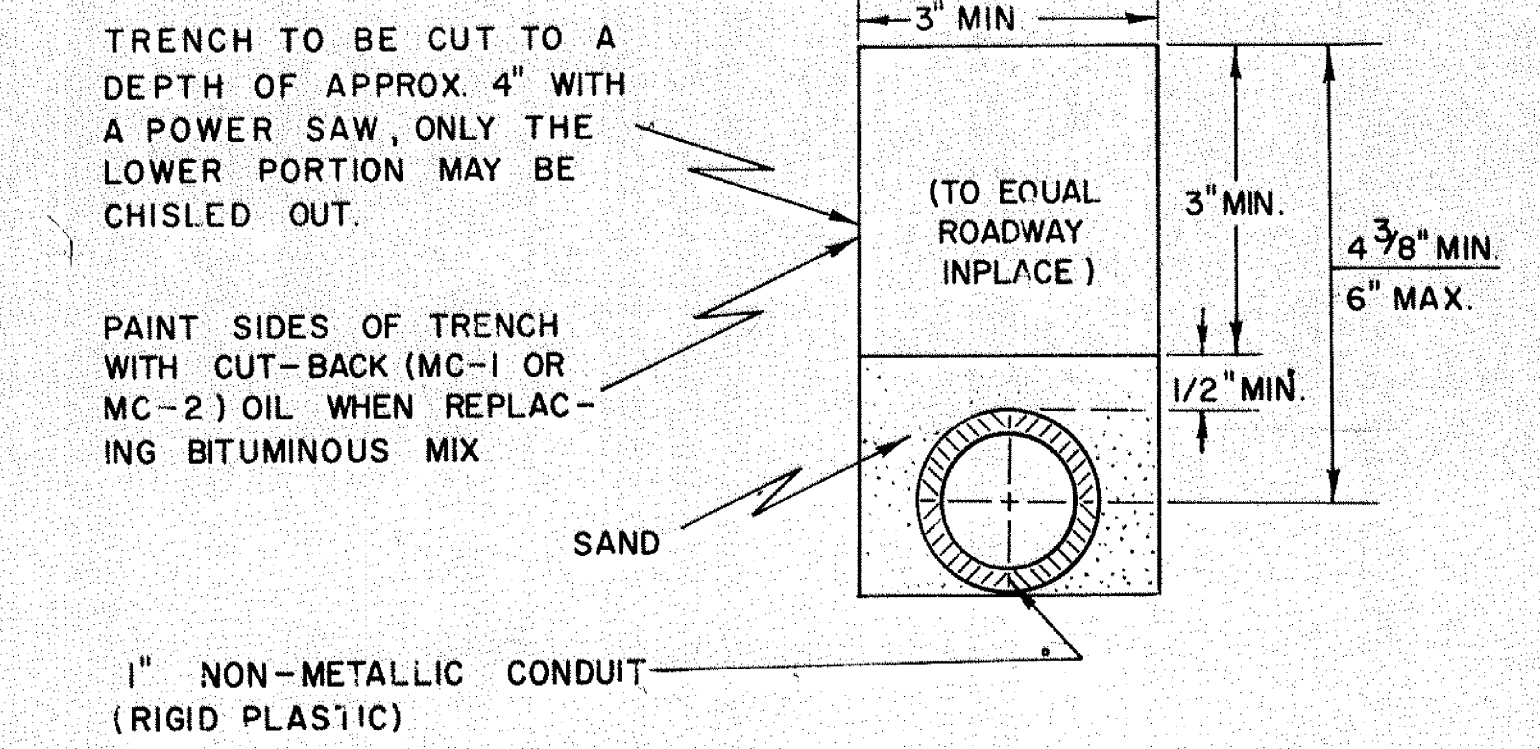


SEC. A-A

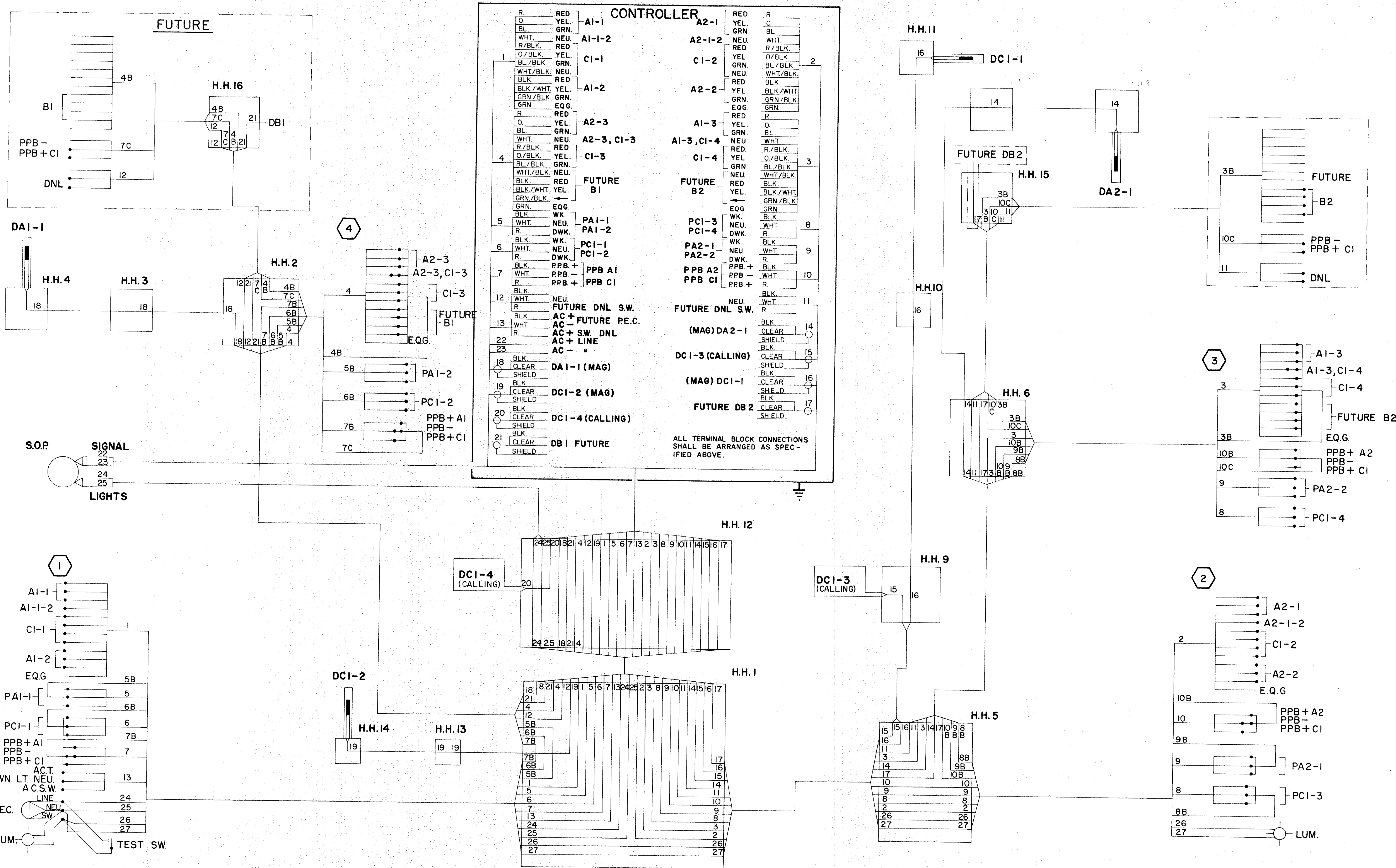


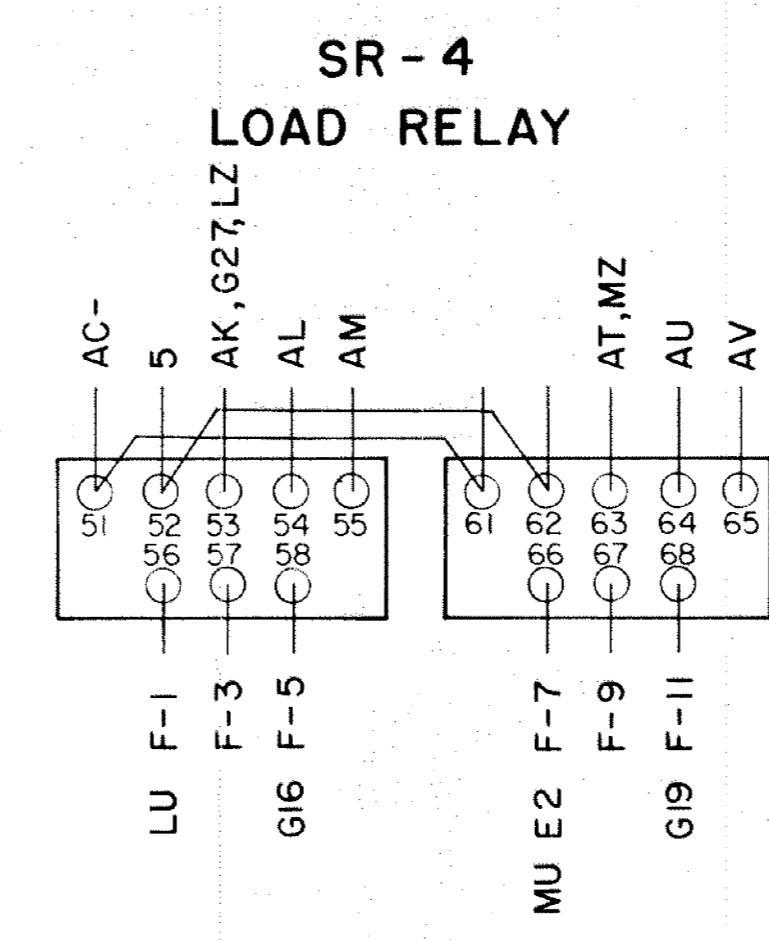
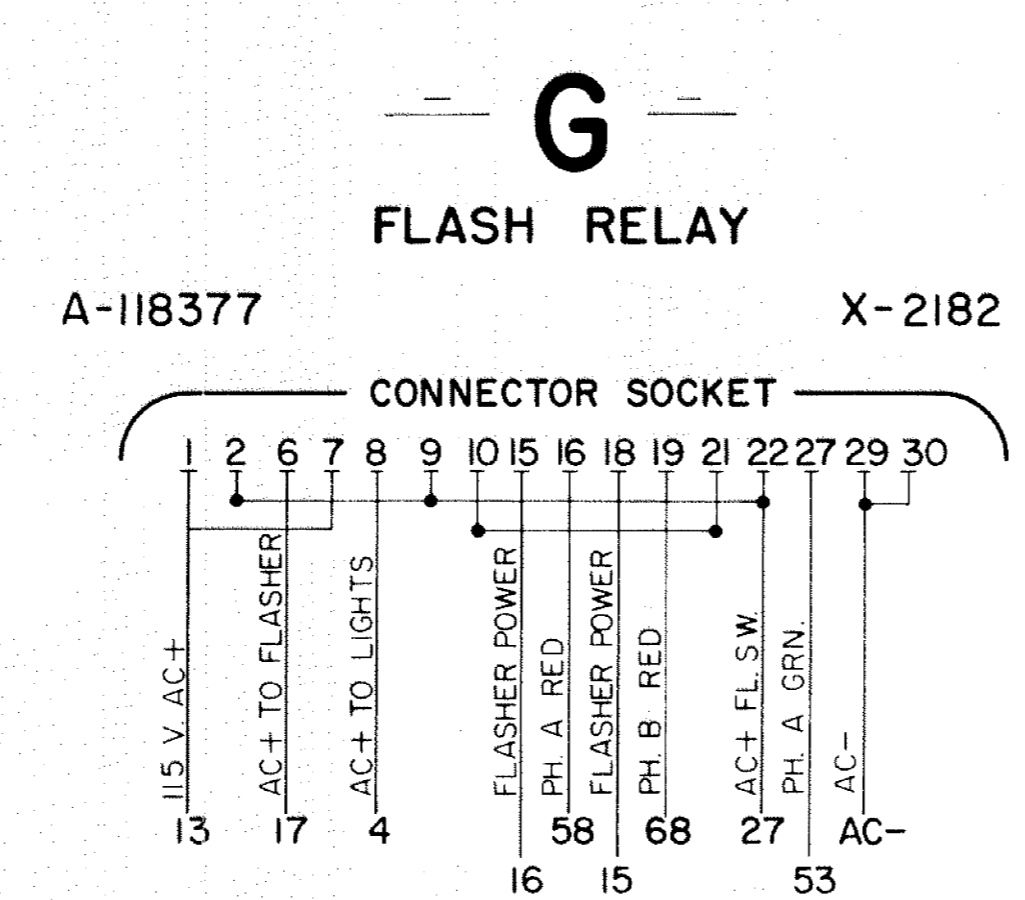
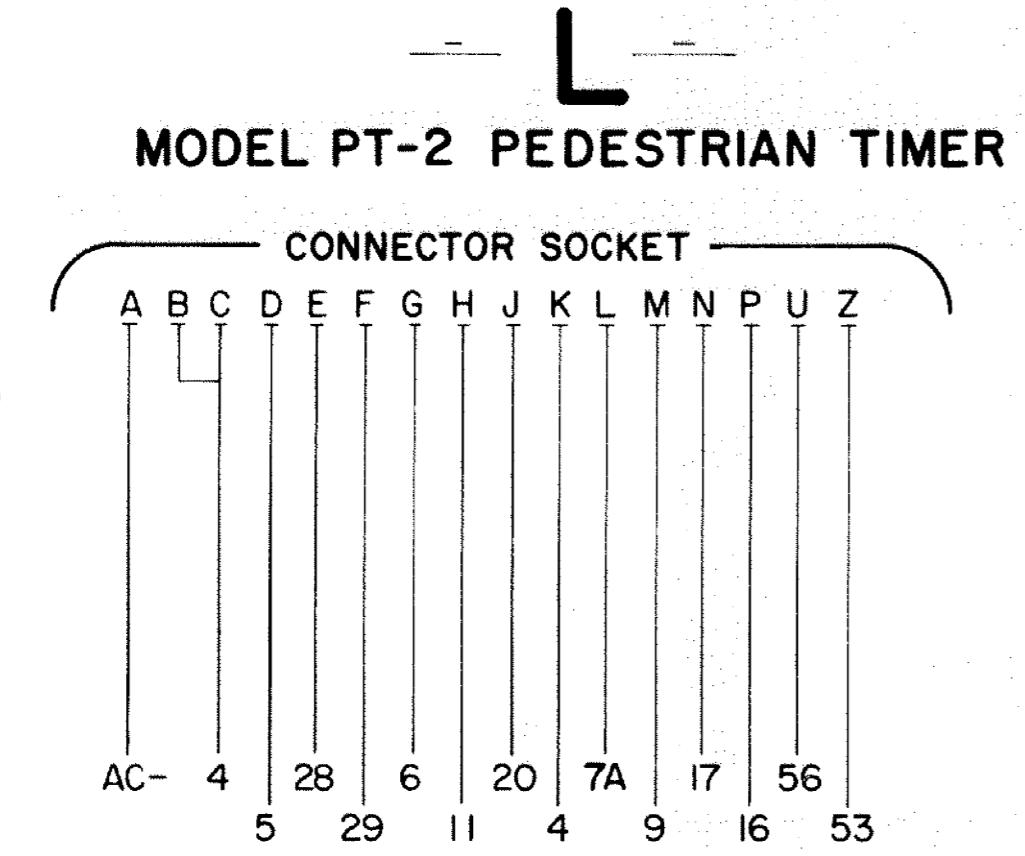
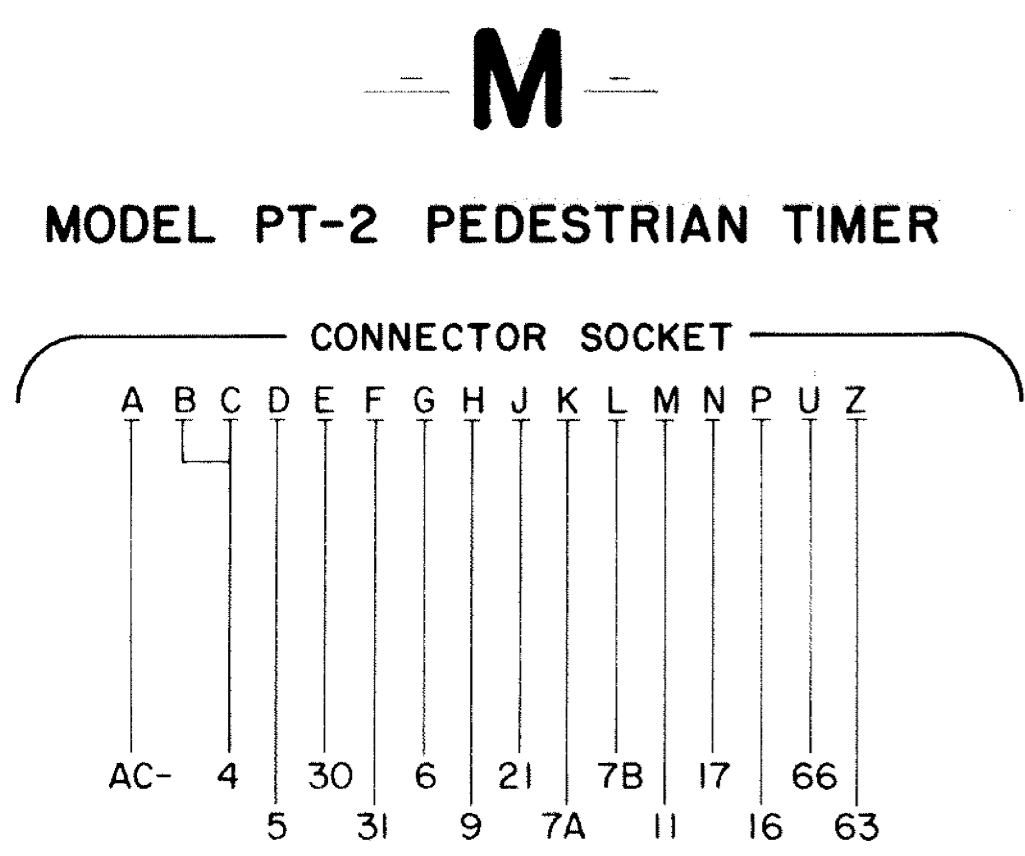
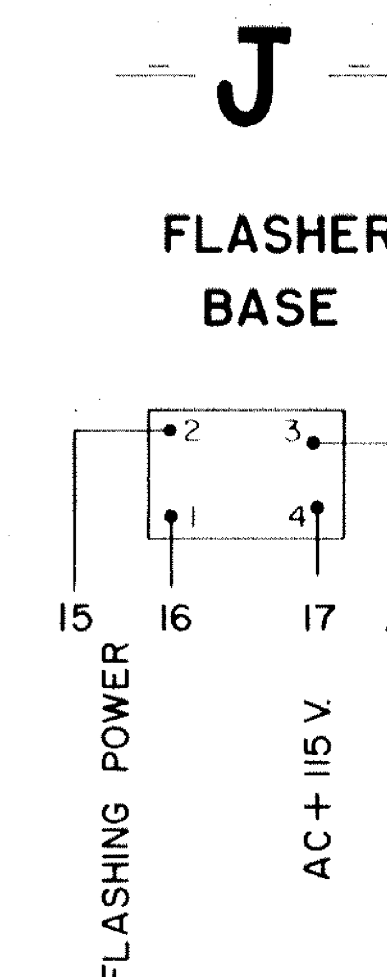
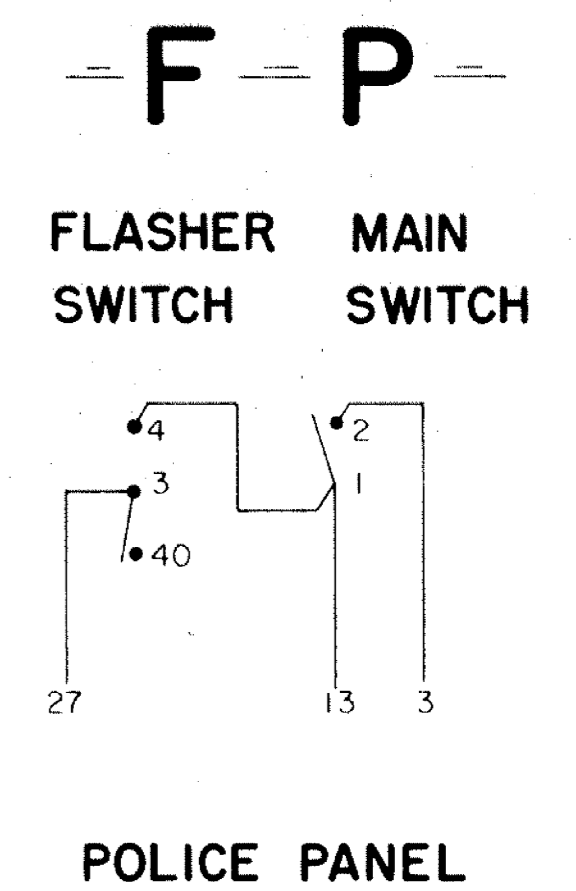
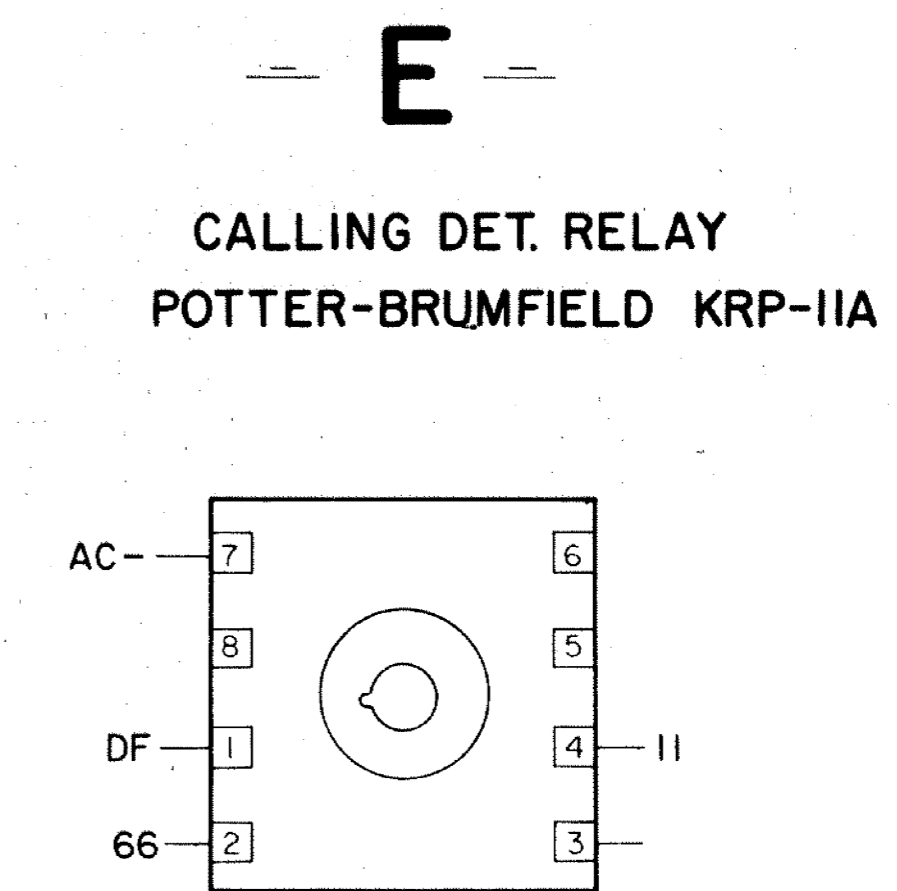
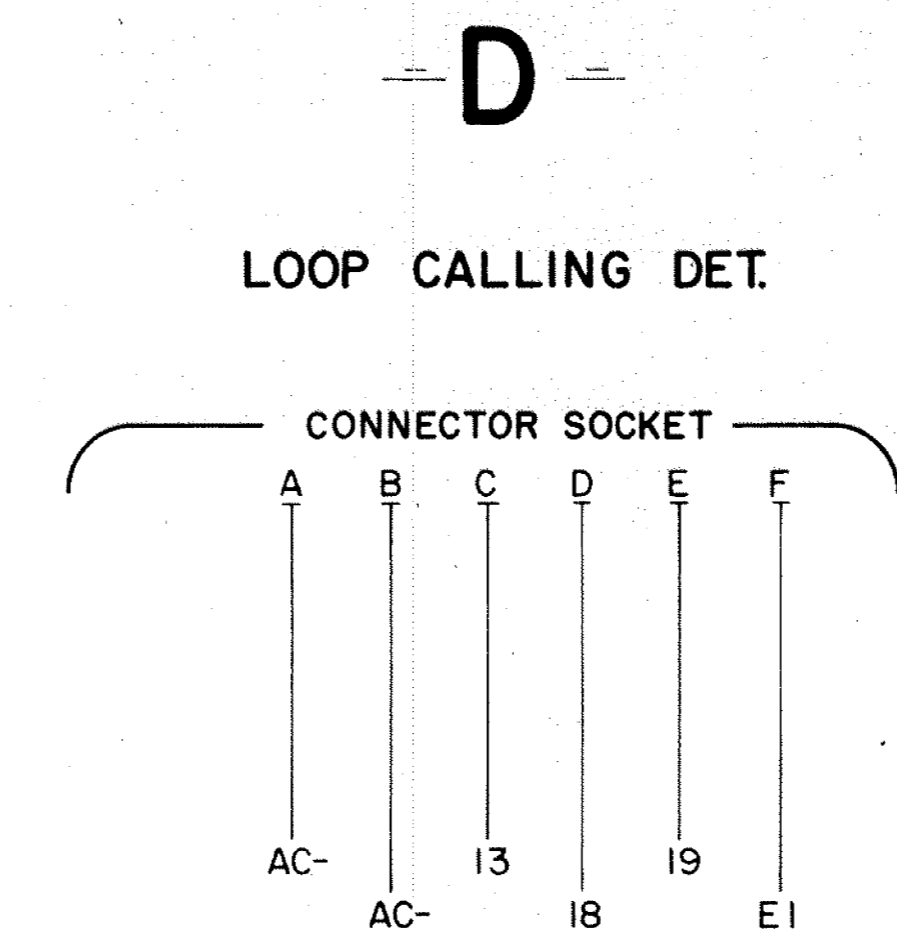
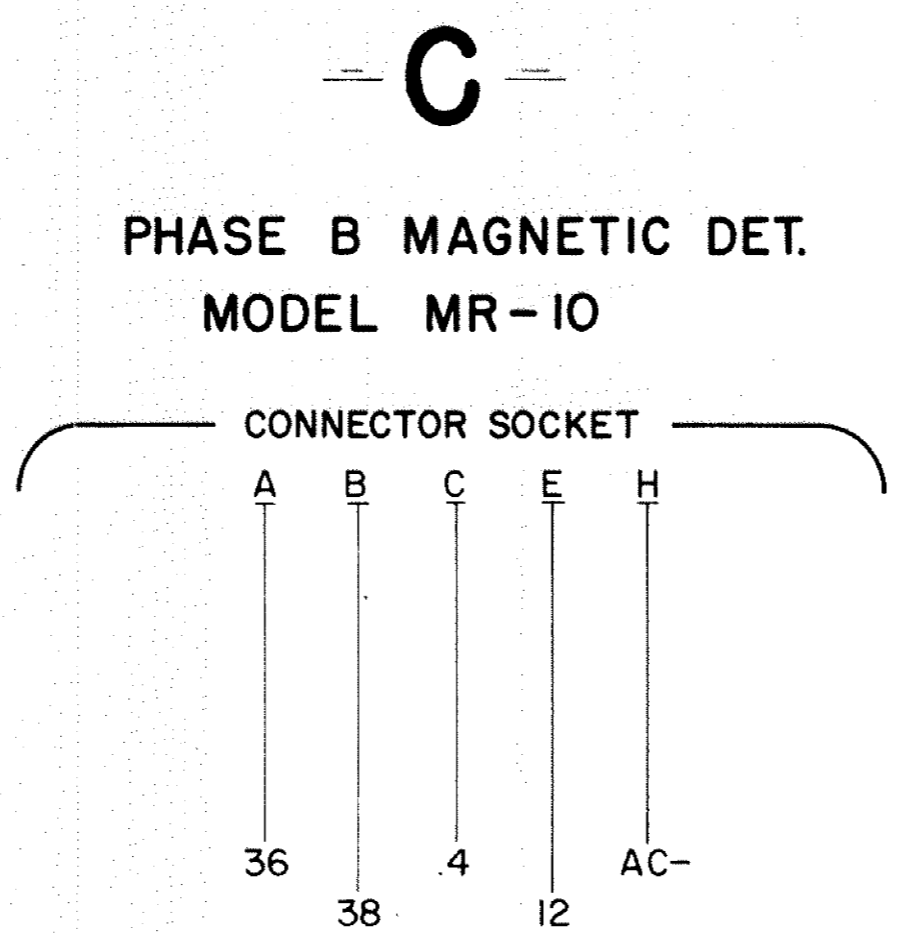
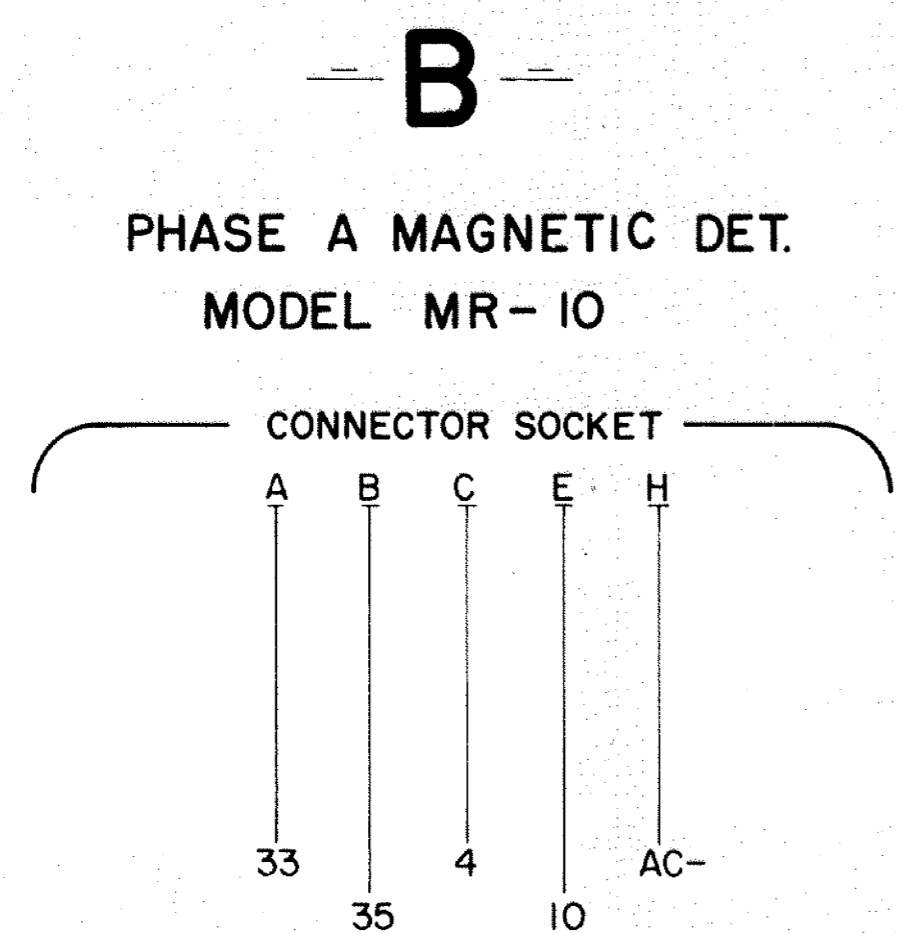
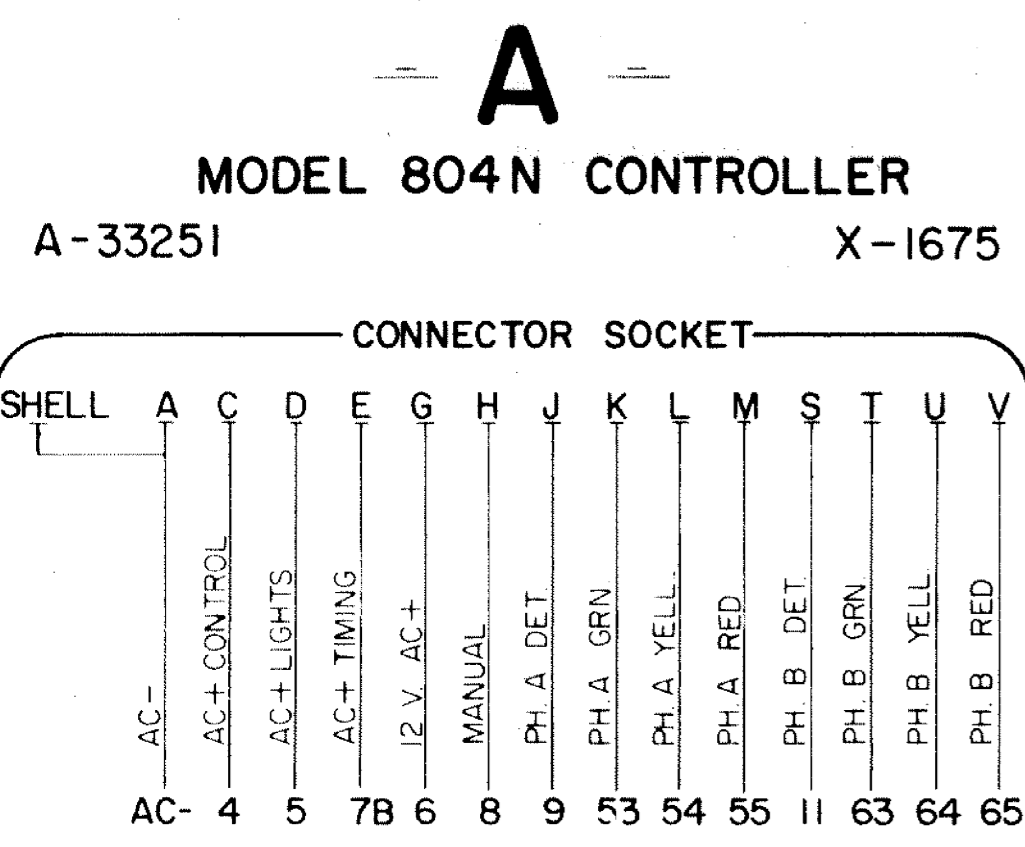
**CONDUIT INSTALLATION DETAIL "A"
FOR LOOP DETECTOR**

SCALE NONE

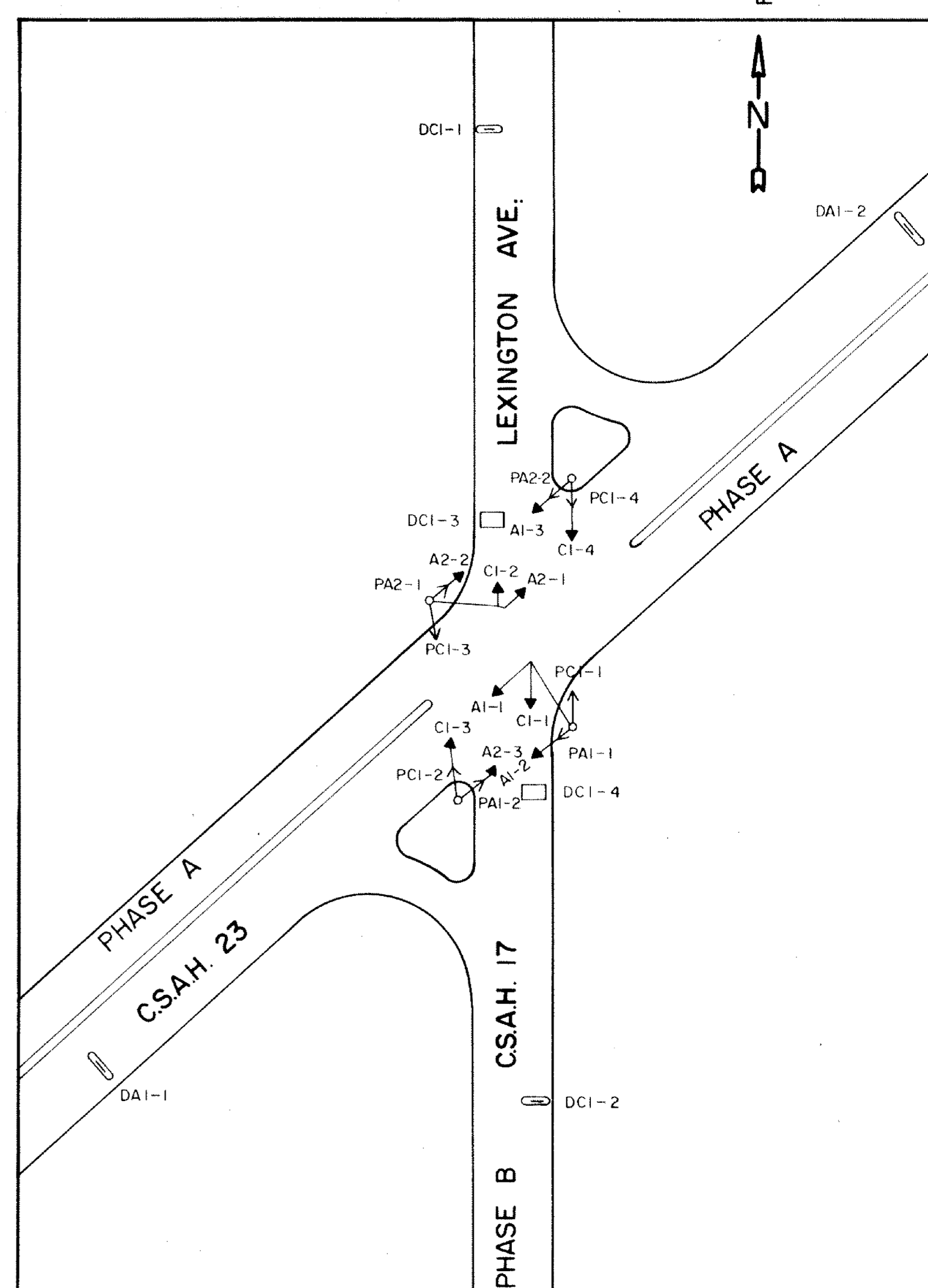
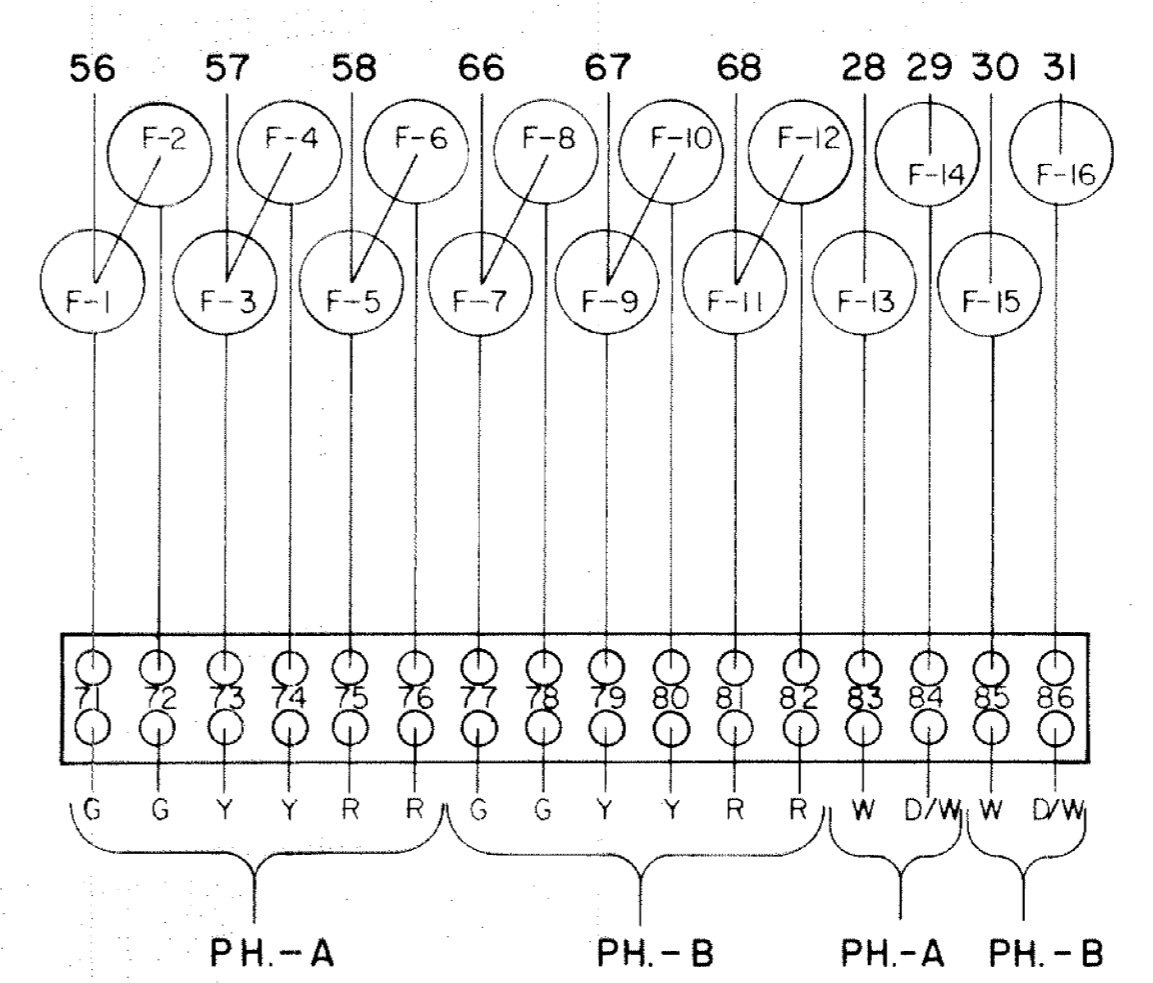
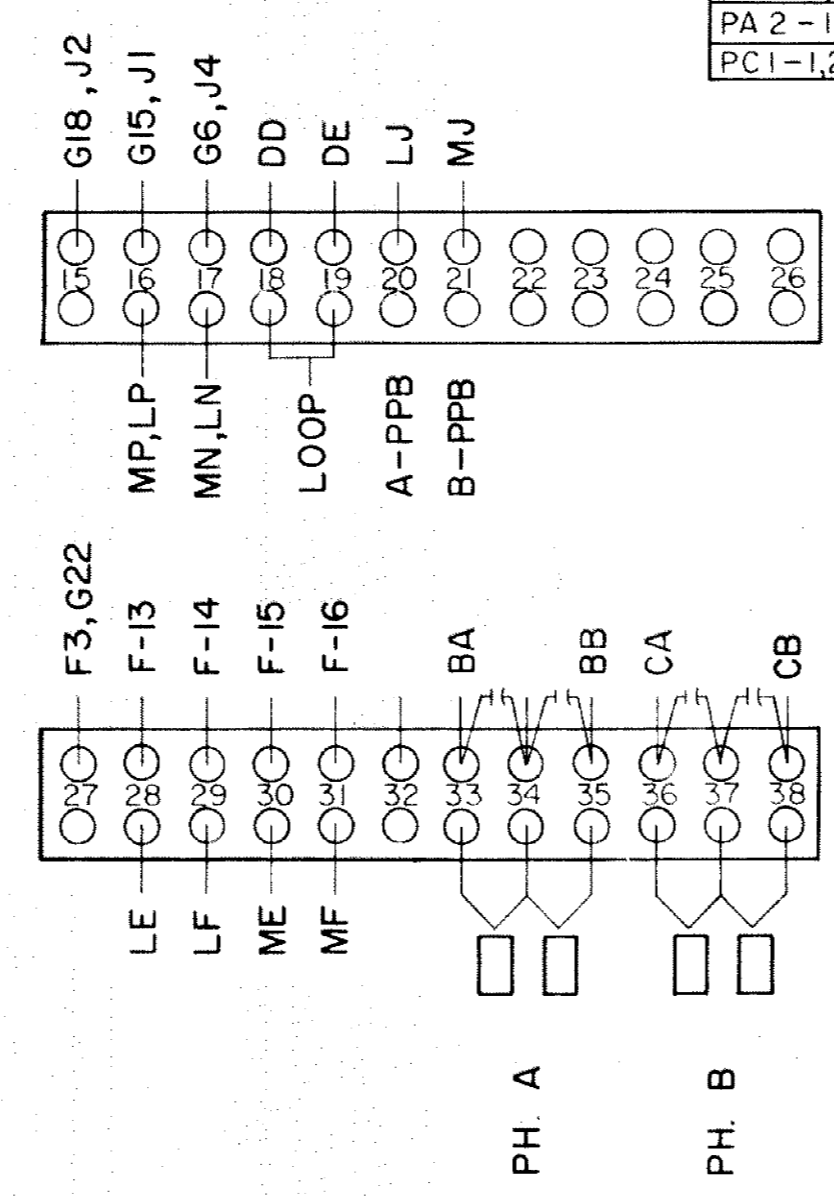
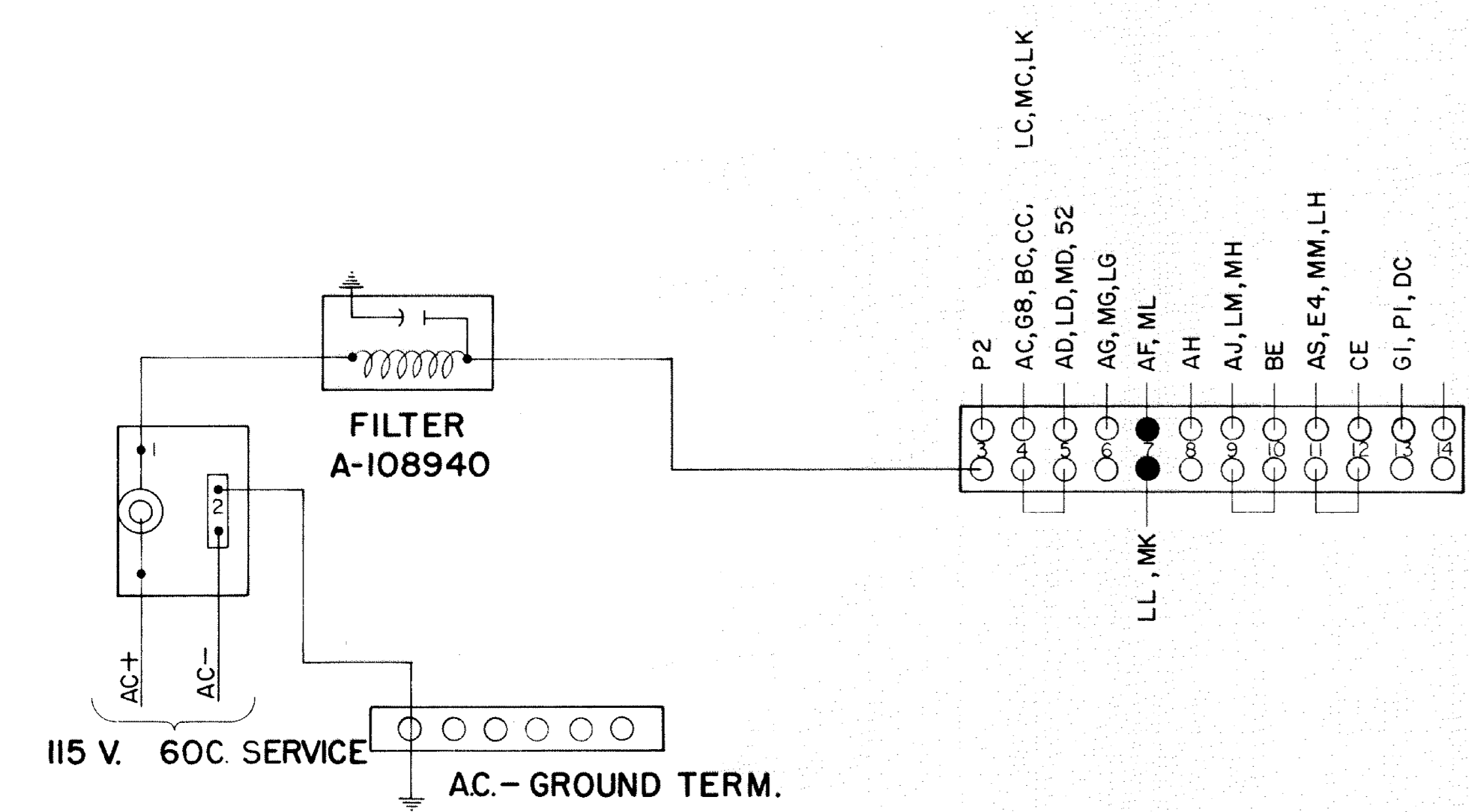


SIGNAL SYSTEM LAYOUT
INTERSECTION: CSAH #23 (OLD TH.#8) &
CSAH #17 (LEXINGTON AVE.)





SIGNAL	TERMINAL				DETECTOR	TERMINAL
	G	Y	R	W		
A1-1	71	73	75		DA1-1	33-34
A1-2,3	72	74	76		DA1-2	34-35
A2-1	71	73	75		DC1-1	36-37
A2-2,3	72	74	76		DC1-2	37-38
C1-1,2	77	79	81		DC1-3	18-19
C1-3,4	78	80	82		DC1-4	18-19
PA1-1,2			83	84	PPB-A	20-AC-
PA2-1,2			83	84	PPB-B	21-AC-
PCI-1,2,3,4			85	86		



CSA. H. 17 - LEXINGTON AVE. AND CSAH. 23			
DESIGNED BY	DATE	DRAWN BY	DATE
8/2/68	1/1/69	8/2/68	1/1/69
CHECKED BY	DATE	APPROVED BY	DATE
CABINET WIRING DIAGRAM			