

STANDARD PLATES	
PLATE NO.	DESCRIPTION
8110 C	TRAFFIC SIGNAL BRACKETING - POLE MOUNTED
8111 B	TRAFFIC SIGNAL BRACKETING - PEDESTAL MOUNTED
8112 C	PEDESTAL FOUNDATION
8115 C	PEDESTRIAN PUSH BUTTON INSTALLATION
8116 C	STEEL GUARD POST
8117 F	PRECAST CONCRETE HANDHOLE
8118 C	SERVICE EQUIPMENT AND POLE
8119 C	GROUND MOUNTED CABINET FOUNDATION
8126 C	P-100 POLE FOUNDATION
7036 C	PEDESTRIAN CURB RAMP
8130 D	SAW CUT LOOP DETECTORS
7100 F	CONC. CURB & GUTTER

NOTE: AT OLD LOCATION
 REMOVE EXIST. PED. RAMP. ADD CURB & GUTTER AT OLD SIGNAL LOCATION, BOTH SIDES OF ROAD.
 REMOVE & RELOCATE 5 STEEL GUARD POSTS TO NEW LOCATION.
 REMOVE SIDEWALK AT 1st SIGNAL LOCATION, SO ALL DISTURBED AREAS AS REQUIRED.

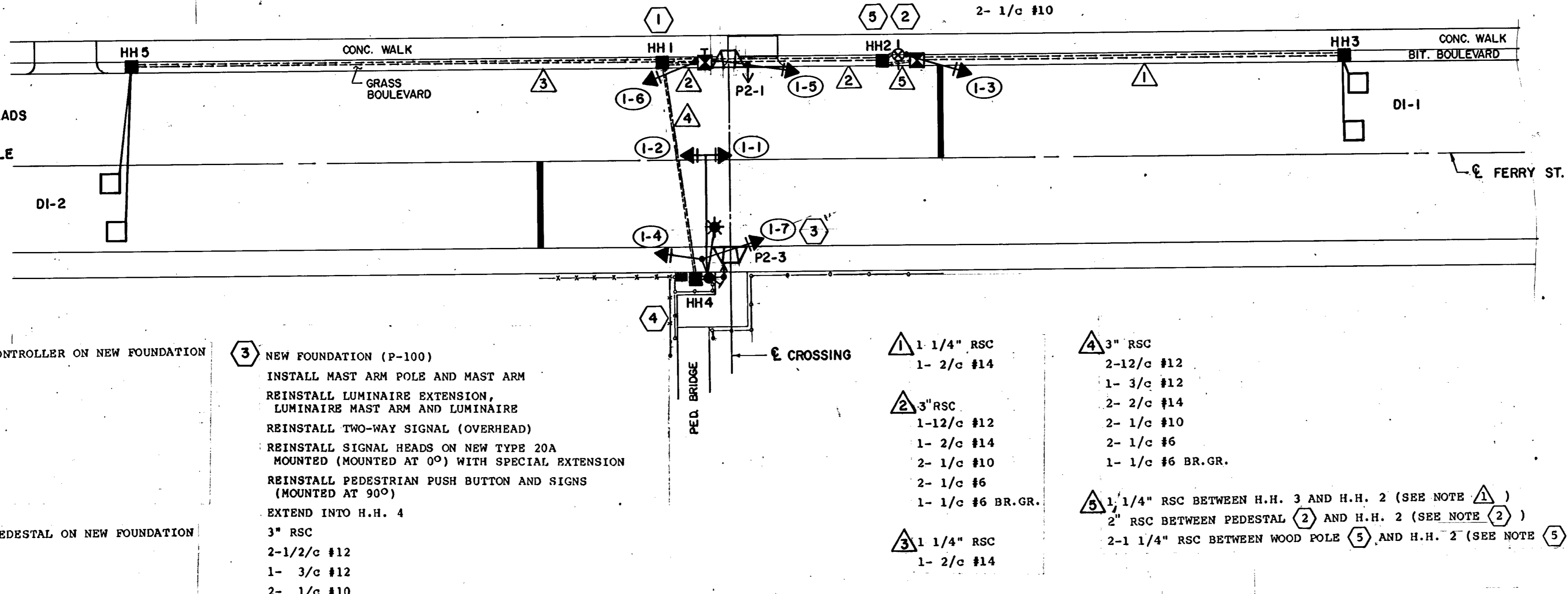
NOTE: AT NEW LOCATION
 REMOVE EXIST. DRIVE ENT. W. SIDE. ADD CURB & GUTTER SIDEWALK & PED. RAMPS BOTH SIDES. ZEBRA STRIPE BETWEEN RAMPS.
 REINSTALL 5 STEEL GUARD POSTS.

① REINSTALL TYPE 2B AND PEDESTAL ON NEW FOUNDATION
 REINSTALL PEDESTRIAN PUSH BUTTON
 EXTEND INTO H.H. 1
 3" RSC
 1-12/c #12
 1- 3/c #12.

⑤ WOOD POLE INPLACE, USE INPLACE SERVICE EQUIPMENT
 2" RSC RISER ABOVE SERVICE EQUIPMENT
 EXTEND INTO H.H. 2 FROM SERVICE EQUIPMENT
 2- 1 1/4" RSC
 2- 1/c #6
 1- 1/c #6 BR GR
 2- 1/c #10



NOTE:
 1) LOOP DETECTORS DI-2 AND DI-1 SHALL BOTH BE 2'-6"x6'.
 2) SPECIAL EXTENSION FOR HEADS 1-4 AND 1-7 SHALL BE AN ADDITIONAL 12" LONG 1 1/2" PIPE BRACKET BETWEEN POLE AND HEADS.
 3) REINSTALL CHECK SWITCH, P.E.C. AND WIRING ON LUMINAIRE AT POLE 3.



④ REINSTALL CABINET AND CONTROLLER ON NEW FOUNDATION
 EXTEND INTO H.H. 4
 3" RSC
 4-12/c #12
 2- 3/c #12
 2- 2/c #14
 2- 1/c #6
 1- 1/c #6 BR.GR.

② REINSTALL TYPE 1A AND PEDESTAL ON NEW FOUNDATION
 EXTEND INTO H.H. 2
 2" RSC
 1-12/c #12

③ NEW FOUNDATION (P-100)
 INSTALL MAST ARM POLE AND MAST ARM
 REINSTALL LUMINAIRE EXTENSION, LUMINAIRE MAST ARM AND LUMINAIRE
 REINSTALL TWO-WAY SIGNAL (OVERHEAD)
 REINSTALL SIGNAL HEADS ON NEW TYPE 20A MOUNTED (MOUNTED AT 0°) WITH SPECIAL EXTENSION
 REINSTALL PEDESTRIAN PUSH BUTTON AND SIGNS (MOUNTED AT 90°)
 EXTEND INTO H.H. 4
 3" RSC
 2-1/2/c #12
 1- 3/c #12
 2- 1/c #10

① 1 1/4" RSC
 1- 2/c #14

② 3" RSC
 1-12/c #12
 1- 2/c #14
 2- 1/c #10
 2- 1/c #6
 1- 1/c #6 BR.GR.

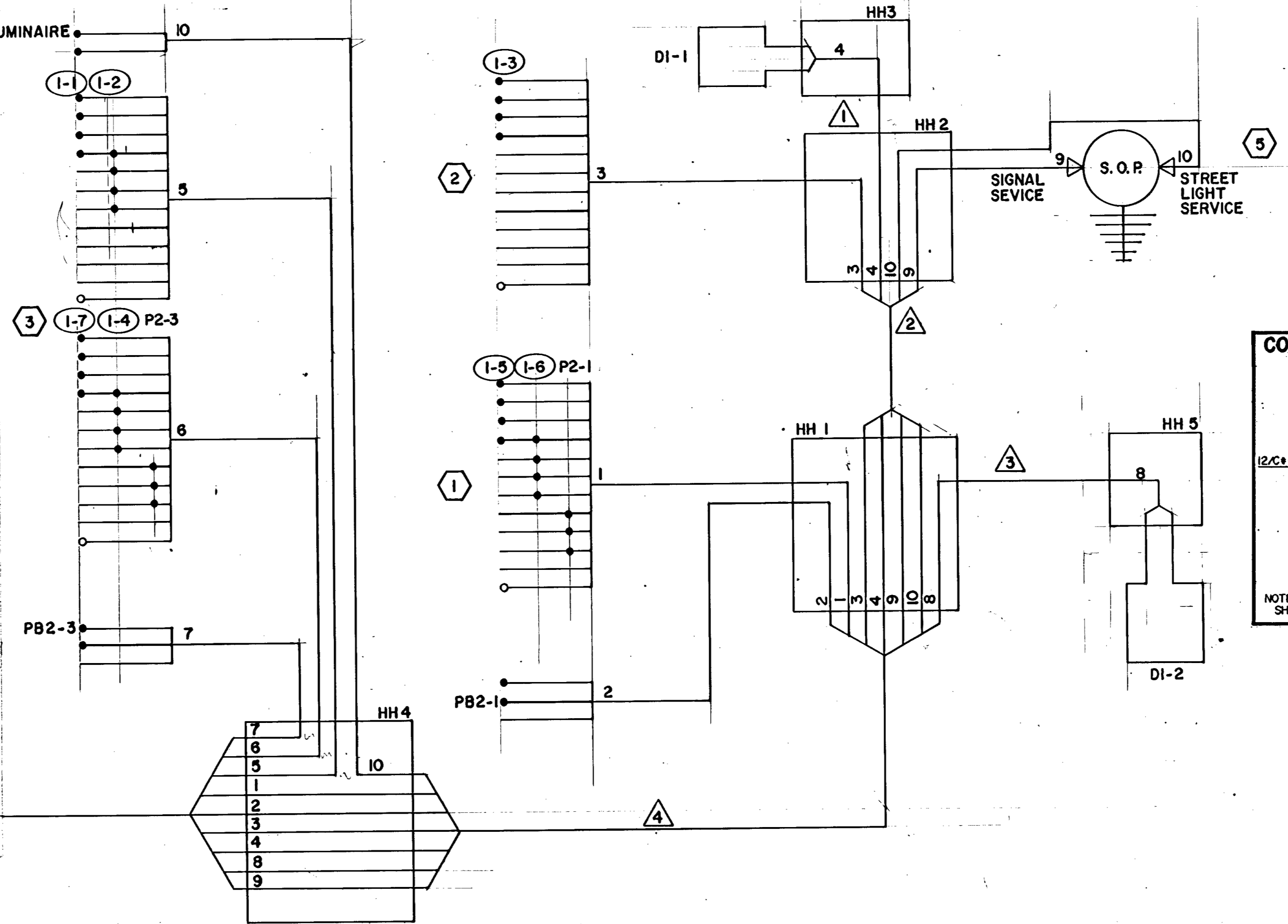
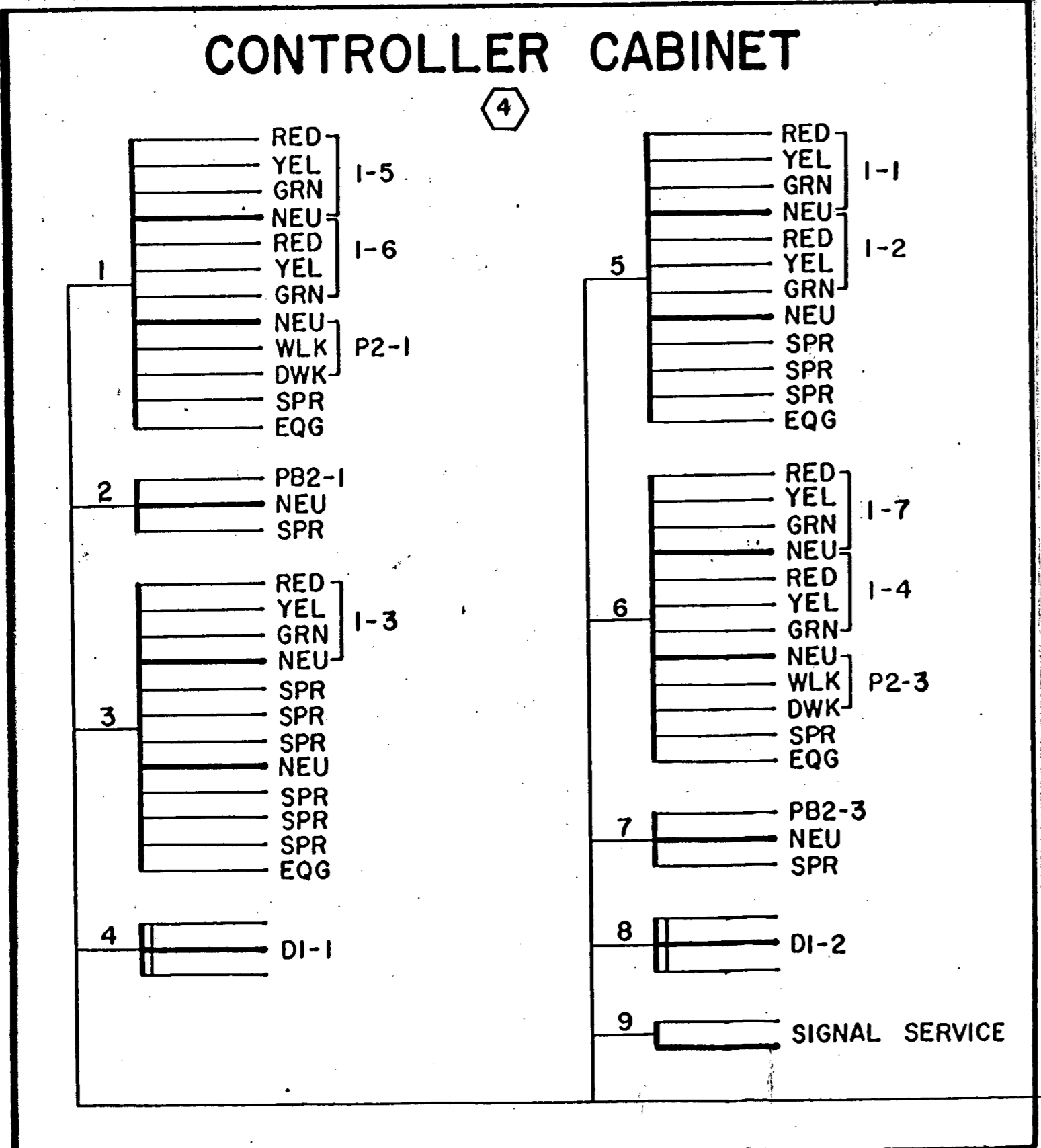
③ 1 1/4" RSC
 1- 2/c #14

④ 3" RSC
 2-12/c #12
 1- 3/c #12
 2- 2/c #14
 2- 1/c #10
 2- 1/c #6
 1- 1/c #6 BR.GR.

⑤ 1 1/4" RSC BETWEEN H.H. 3 AND H.H. 2 (SEE NOTE ①)
 2" RSC BETWEEN PEDESTAL ② AND H.H. 2 (SEE NOTE ②)
 2- 1 1/4" RSC BETWEEN WOOD POLE ⑤ AND H.H. 2 (SEE NOTE ⑤)

ABBREVIATIONS
 EQUIPMENT AND INDICATIONS
 RED - RED
 YEL - YELLOW
 GRN - GREEN
 WLK - WALK
 NEU - NEUTRAL
 DWK - DON'T WALK
 LUM - LUMINAIRE
 H.H. - HANDHOLE
 EQG - EQUIPMENT GROUND
 R.S.C. - RIGID STEEL CONDUIT
 D2-1(eg) - DETECTOR-PHASE "2"
 G.R.R. - GROUND ROD
 SER. - SERVICE
 P2-1 - PEDESTRIAN INDICATIONS
 2-1(eg) - SIGNAL HEADS - PHASE "2"
 SPR - SPARE CONDUCTORS
 N.M.C. - NON METALLIC CONDUIT
 P.E.C. - PHOTOELECTRIC CELL

CONDUCTOR COLOR CODE
 R - RED
 O - ORANGE
 BL - BLUE
 WH - WHITE
 R/BLK - RED WITH BLACK TRACER
 O/BLK - ORANGE WITH BLACK TRACER
 BL/BLK - BLUE WITH BLACK TRACER
 WH/BLK - WHITE WITH BLACK TRACER
 BLK - BLACK
 BLK/WH - BLACK WITH WHITE TRACER
 G - GREEN
 GRN/BLK - GREEN WITH BLACK TRACER



CONDUCTOR COLOR CODING

R	BLK	2-1/c #6
O	WH	2-1/c #10
BL		
WH	R	
R/BLK	W	3/c #12
O/BLK	BLK	
BL/BLK	BLK	2/c #14
WH/BLK	CLEAR	
BLK		
BLK/WH		
O/BLK	R/O R	
G	WH OR YEL	3/c #20
	R/K OR B	

NOTE: ALL TERMINAL BLOCK CONNECTIONS SHALL BE ARRANGED AS SPECIFIED ABOVE

LEGEND OF SYMBOLS

- SIGNAL BASE NO. --- (1)
- SIGNAL FACE NO. --- (H)
- CONTROLLER AND CABINET --- (C)
- HANDHOLE --- (H)
- RIGID STEEL CONDUIT (R.S.C.) --- (R.S.C.)
- SIGNAL FACE WITH BACKGROUND SHIELD --- (S)
- SIGNAL FACE W/O BACKGROUND SHIELD --- (S)
- PEDESTRIAN INDICATIONS --- (P)
- PEDESTRIAN PUSH BUTTON ON PEDESTAL OR POLE --- (P)
- PEDESTRIAN PUSH BUTTON STATION --- (P)
- TRAFFIC SIGNAL PEDESTAL --- (P)
- TRAFFIC SIGNAL POLE AND MAST ARM --- (P)
- STREET LIGHT POLE AND LUMINAIRE - IN PLACE --- (S)
- MAST ARM AND LUMINAIRE --- (S)
- WOOD POLE --- (W)
- WOOD POLE - IN PLACE --- (W)
- SOURCE OF POWER --- (S)
- EDGE OF ROADWAY --- (E)
- SHOULDER LINE --- (S)
- CURB LINE --- (C)
- STOP BAR --- (S)

SURVEY:	CHECKED BY:	NO.	DATE	REVISIONS
DESIGN: G.V.W.				
DRAWN: D.F.				

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.
 DATE: 8/23/84 REG. NO. 9089



SHORT - ELLIOTT - HENDRICKSON, INC.
 Saint Paul, Minnesota • Chippewa Falls, Wisconsin

ANOKA, MINNESOTA
FERRY ST. PEDESTRIAN SIGNAL

LAYOUT AND WIRING

FILE NO.:	84049	2
DATE:	8/21/84	3