

LOOP DETECTORS			
NUMBER	SIZE	FUNCTION	LOCATION
D1-1	2-6' X 6'	5/8/10	5'
D1-2	2-6' X 6'	3	AS SHOWN
D2-1	6' X 6'	1	120'
D2-2	6' X 6'	1	120'
D4-1	6' X 6'	3/8	120'
D4-2	2-6' X 6'	7	5'
D4-3	2-6' X 6'	1	5'
D4-4	6' X 6'	7	AS SHOWN
D5-1	2-6' X 6'	5/8/11	5'
D5-2	2-6' X 6'	3	AS SHOWN
D6-1	6' X 6'	1	120'
D6-2	6' X 6'	1	120'
D8-1	6' X 6'	3/8	120'
D8-2	2-6' X 6'	7	5'
D8-3	6' X 6'	7	AS SHOWN

LOCATION-DISTANCE FROM STOP LINE TO DETECTOR

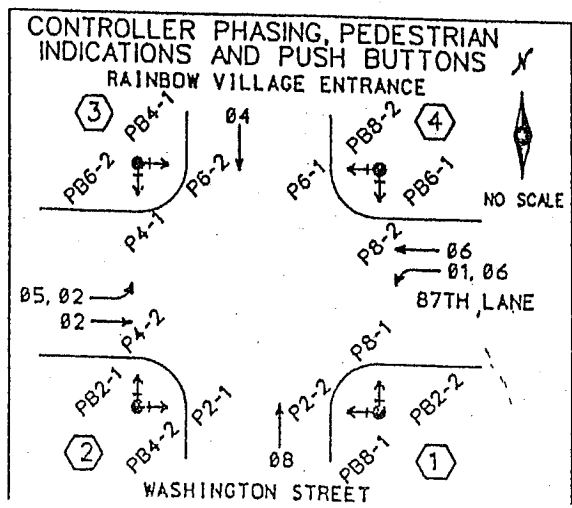
- FUNCTIONS:
- 1 - CALL AND EXTEND
 - 2 - CALL ONLY
 - 3 - EXTEND ONLY
 - 4 - CALL ONLY DENS
 - 5 - DLY CALL ONLY
 - 6 - DLY CALL ONLY DENSITY
 - 7 - DLY CALL IMMED EXTEND
 - 8 - CARRY OVER
 - 9 - ADVISORY
 - 10 - CALL DURING Ø 2 YELLOW
 - 11 - CALL DURING Ø 6 YELLOW

③ TYPE PA100-A45-D40-9 (DAVIT AT 350°)
 PA100 POLE FOUNDATION
 2-ONEWAY SIGNALS OVERHEAD
 (0' AND 18' FROM END OF MAST ARM)
 R10-12 SIGN (24x30) MOUNTED 3' FROM END OF MAST ARM
 TYPE 10B - AT 0°
 TYPE 10B - AT 180°
 TYPE 10B - AT 270°
 LUMINAIRE 250 WATT HPS
 2-PEDESTRIAN PUSH BUTTONS AND SIGNS
 EXTEND TO HH 7
 3" RSC
 2-12/C #12
 4-3/C #12
 1-3/C #12 (LUM)
 1-3/C #20

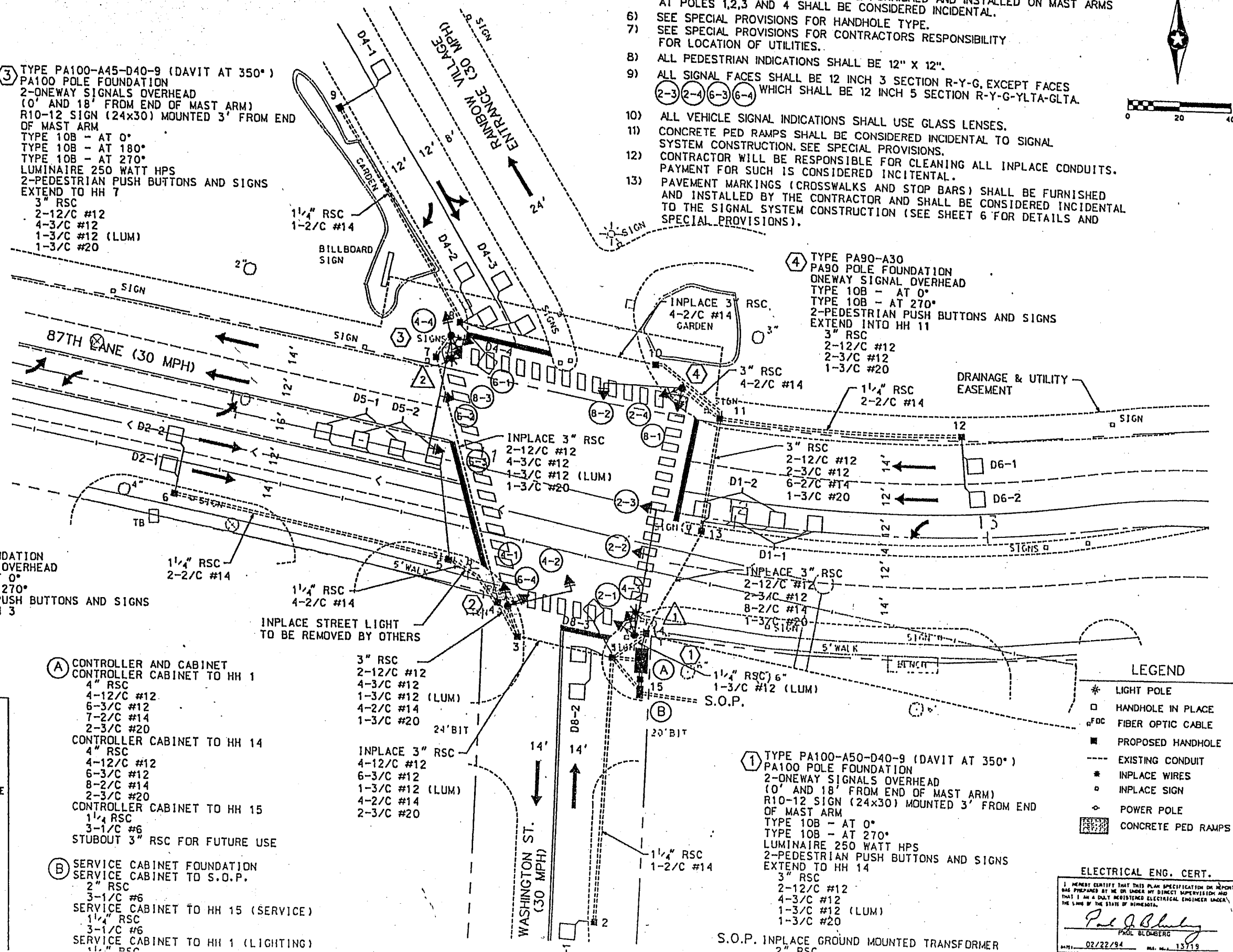
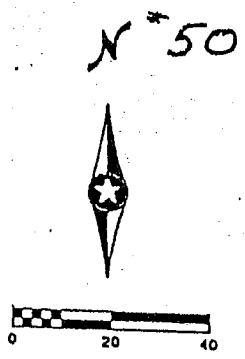
④ TYPE PA90-A30
 PA90 POLE FOUNDATION
 ONEWAY SIGNAL OVERHEAD
 TYPE 10B - AT 0°
 TYPE 10B - AT 270°
 2-PEDESTRIAN PUSH BUTTONS AND SIGNS
 EXTEND INTO HH 11
 3" RSC
 2-12/C #12
 2-3/C #12
 1-3/C #20

② TYPE PA90-A25
 PA90 POLE FOUNDATION
 ONEWAY SIGNAL OVERHEAD
 TYPE 10B - AT 0°
 TYPE 10B - AT 270°
 2-PEDESTRIAN PUSH BUTTONS AND SIGNS
 EXTEND INTO HH 3
 3" RSC
 2-12/C #12
 2-3/C #12
 1-3/C #20

- (A) CONTROLLER AND CABINET
 CONTROLLER CABINET TO HH 1
 4" RSC
 4-12/C #12
 6-3/C #12
 7-2/C #14
 2-3/C #20
 CONTROLLER CABINET TO HH 14
 4" RSC
 4-12/C #12
 6-3/C #12
 8-2/C #14
 2-3/C #20
 CONTROLLER CABINET TO HH 15
 1 1/4" RSC
 3-1/C #6
 STUBOUT 3" RSC FOR FUTURE USE
- (B) SERVICE CABINET FOUNDATION
 SERVICE CABINET TO S.O.P.
 2" RSC
 3-1/C #6
 SERVICE CABINET TO HH 15 (SERVICE)
 1 1/4" RSC
 3-1/C #6
 SERVICE CABINET TO HH 1 (LIGHTING)
 1 1/4" RSC



- NOTES:
- 1) SEE SPECIAL PROVISIONS FOR COUNTY FURNISHED MATERIALS.
 - 2) EACH SIGNAL FACE SHALL HAVE A BACKGROUND SHIELD.
 - 3) EACH LUMINAIRE SHALL HAVE A PEC AND CHECK SWITCH.
 - 4) SEE SHEET NO. 5 AND SPECIAL PROVISIONS FOR SERVICE CABINET DETAILS. DIRECTIONAL SIGNS (TYPE D) TO BE FURNISHED AND INSTALLED ON MAST ARMS AT POLES 1,2,3 AND 4 SHALL BE CONSIDERED INCIDENTAL.
 - 5) SEE SPECIAL PROVISIONS FOR HANDHOLE TYPE.
 - 6) SEE SPECIAL PROVISIONS FOR CONTRACTORS RESPONSIBILITY FOR LOCATION OF UTILITIES.
 - 7) ALL PEDESTRIAN INDICATIONS SHALL BE 12" X 12".
 - 8) ALL SIGNAL FACES SHALL BE 12 INCH 3 SECTION R-Y-G, EXCEPT FACES (2-3)(2-4)(6-3)(6-4) WHICH SHALL BE 12 INCH 5 SECTION R-Y-G-YLTA-GLTA.
 - 9) ALL VEHICLE SIGNAL INDICATIONS SHALL USE GLASS LENSES.
 - 10) CONCRETE PED RAMPS SHALL BE CONSIDERED INCIDENTAL TO SIGNAL SYSTEM CONSTRUCTION. SEE SPECIAL PROVISIONS. CONTRACTOR WILL BE RESPONSIBLE FOR CLEANING ALL INPLACE CONDUITS. PAYMENT FOR SUCH IS CONSIDERED INCIDENTAL.
 - 11) PAVEMENT MARKINGS (CROSSWALKS AND STOP BARS) SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AND SHALL BE CONSIDERED INCIDENTAL TO THE SIGNAL SYSTEM CONSTRUCTION (SEE SHEET 6 FOR DETAILS AND SPECIAL PROVISIONS).



- LEGEND
- * LIGHT POLE
 - HANDHOLE IN PLACE
 - FOC FIBER OPTIC CABLE
 - PROPOSED HANDHOLE
 - EXISTING CONDUIT
 - * INPLACE WIRES
 - INPLACE SIGN
 - ◇ POWER POLE
 - CONCRETE PED RAMPS

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 (0' AND 18' FROM END OF MAST ARM)
 R10-12 SIGN (24x30) MOUNTED 3' FROM END OF MAST ARM
 TYPE 10B - AT 0°
 TYPE 10B - AT 270°
 LUMINAIRE 250 WATT HPS
 2-PEDESTRIAN PUSH BUTTONS AND SIGNS
 EXTEND TO HH 14
 3" RSC
 2-12/C #12
 4-3/C #12
 1-3/C #12 (LUM)
 1-3/C #20

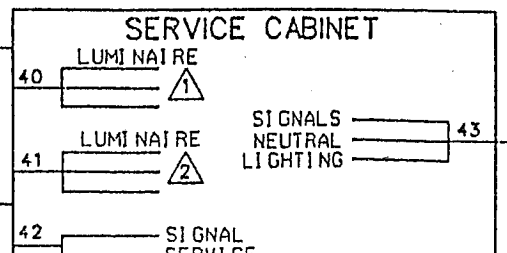
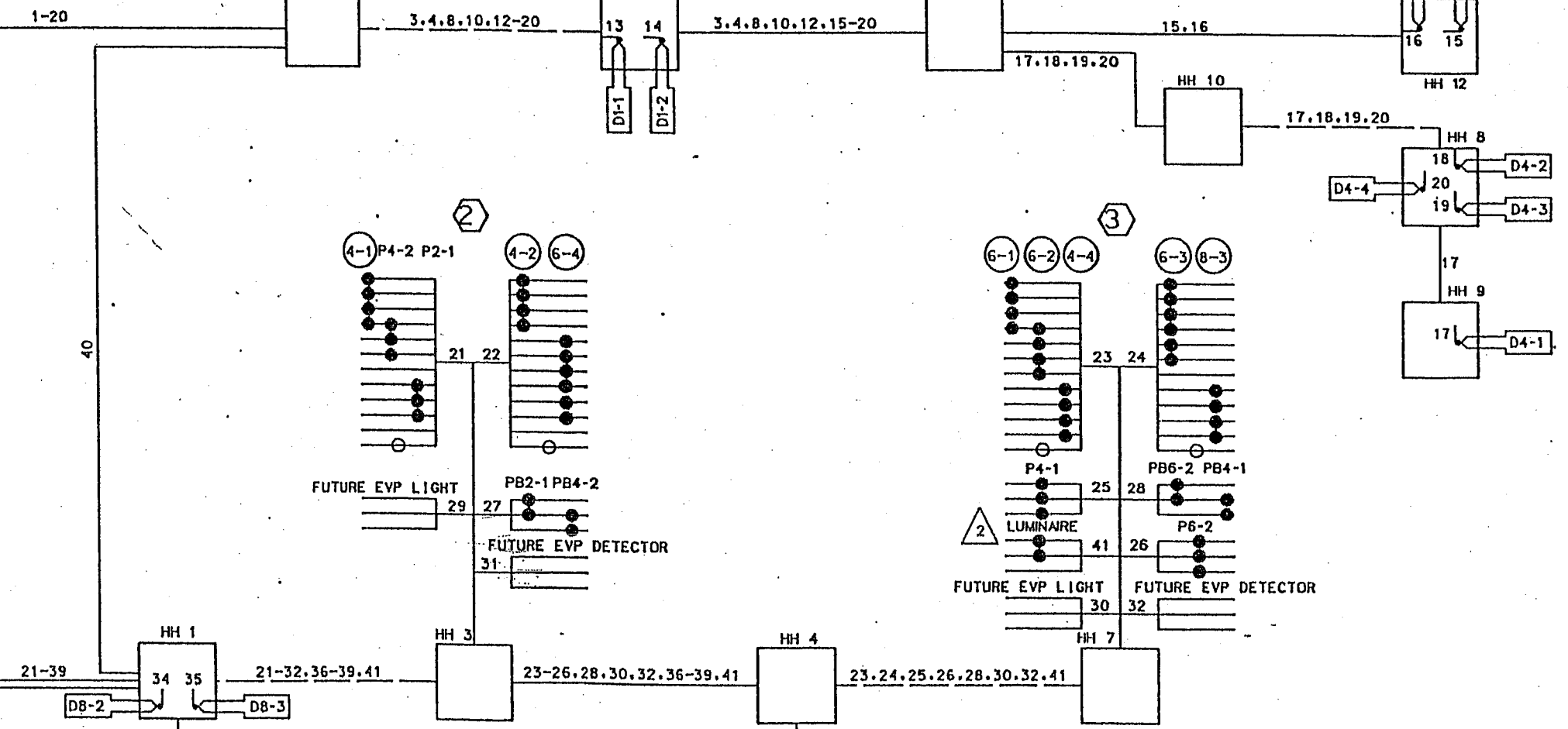
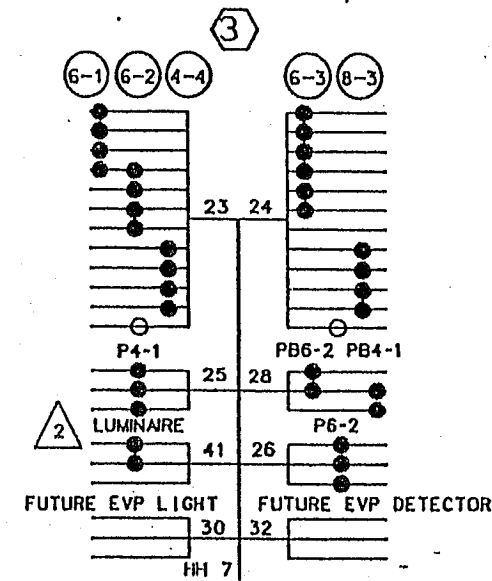
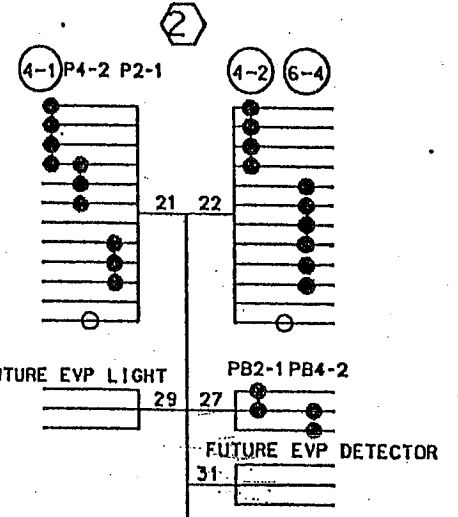
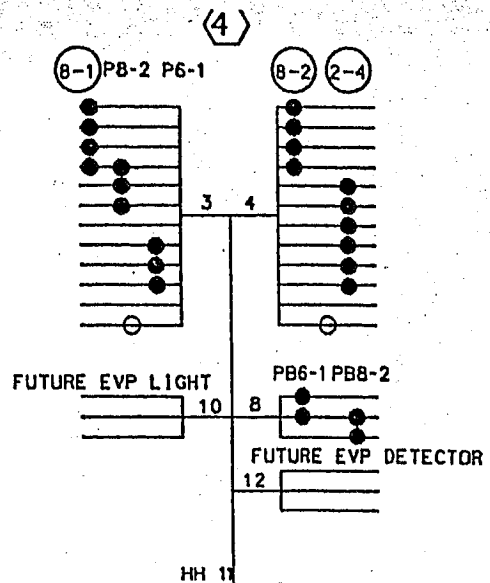
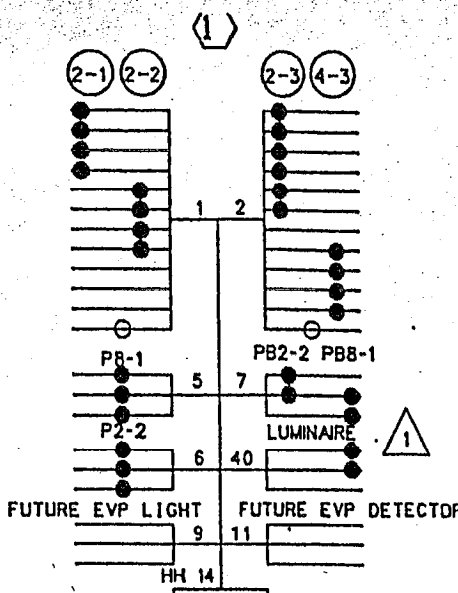
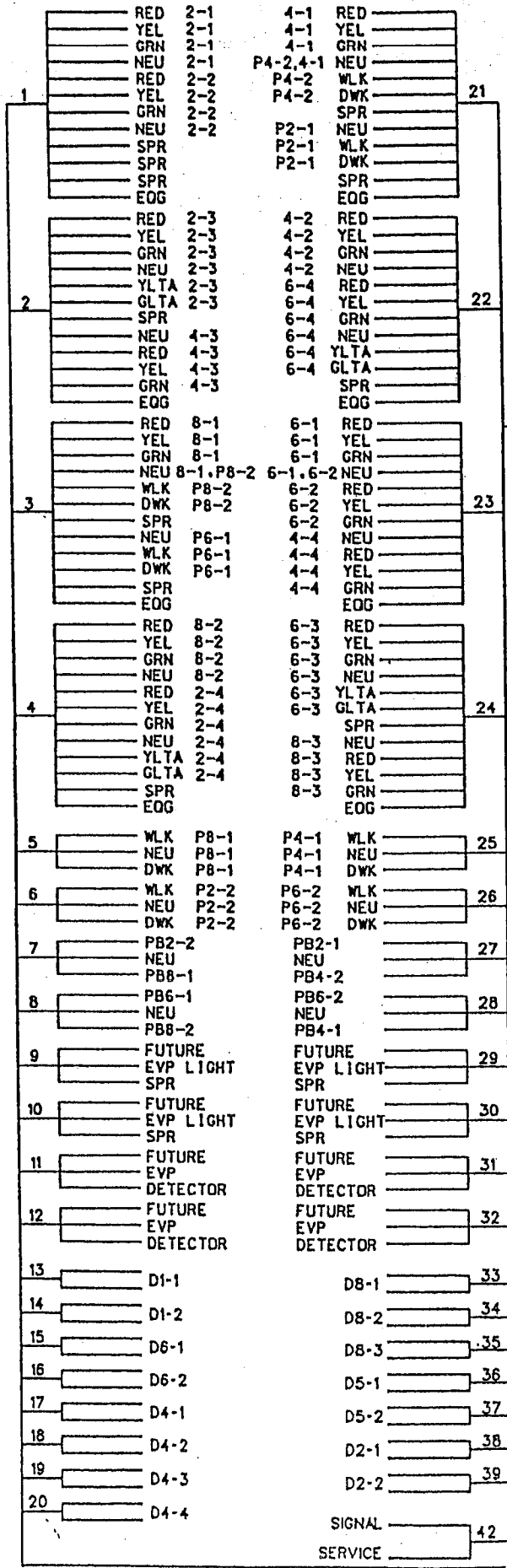
ELECTRICAL ENG. CERT.
 I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ELECTRICAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
 Paul J. Blumberg
 PAUL BLUMBERG
 DATE: 02/22/94 REG. NO. 15719

INTERSECTION LAYOUT
 87TH LANE AND
 WASHINGTON STREET

Orl Schelen
 &
 Associates, Inc.

50

CONTROLLER CABINET



ELECTRICAL ENG. CERT.
I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ELECTRICAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
Paul J. Blumley
PAUL BLUMLEY
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CONDUCTOR COLOR CODING

R	BLK	2-1/C#10
O	WH	
BL	WH	
WH	R	3/C#12
R/BLK	WH	
O/BLK	BLK	
BL/BLK	R OR O	
WH/BLK	WH OR YEL	3/C#20
BLK/WH	BLK OR BU	
O/BLK		
G	BLK	2/C#14
BLK	CLEAR	
3-1/C#6	WH	
BR, GR,		

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

REVISION NO. DATE 3/27/84
 AS NOTED
 SCALE
 WIRING DIAGRAM
 ORT Schelen
 PLAN