

7002

NOTES:

- 1) SEE SPECIAL PROVISIONS FOR CONTRACTORS RESPONSIBILITY FOR LOCATION OF UTILITIES.
- 2) ALL SIGNAL FACES SHALL HAVE BACKGROUND SHIELDS.
- 3) LUMINAIRE Δ AND Δ WITH P.E.C. AND CHECK SWITCH.
SEE SPECIAL PROVISIONS FOR COUNTY FURNISHED EQUIPMENT.
- 5) INTERNALLY ILLUMINATED OVERHEAD MOUNTED SIGN PANELS SHALL BE FURNISHED AND INSTALLED ON EACH MAST ARM. SIGN PANELS ∇ AND ∇ WITH P.E.C. AND CHECK SWITCH. SEE SPECIAL PROVISIONS
- 6) SEE SPECIAL PROVISIONS FOR SERVICE CABINET DETAILS.
- 7) LOOP DETECTORS SHALL BE CROSS LINKED POLYETHYLENE (XLP) IN 1" N.M.C. SEE DETAIL SHEET.
- 8) ALL PEDESTRIAN INDICATIONS SHALL BE 12"x12".
- 9) FOUR HUBS FOR SIGNAL BRACKETING SHALL BE INSTALLED ON EACH MAST ARM POLE, ONE EACH AT 0°, 90°, 180°, AND 270°.
- 10) A 3/4" HALF COUPLING, 3/4" PIPE NIPPLE AND CONDUIT OUTLET BODY FOR FUTURE INSTALLATION OF EMERGENCY VEHICLE PRE-EMPTION EQUIPMENT SHALL BE INSTALLED 4 FEET FROM THE END OF MAST ARMS AT Δ , Δ AND Δ .
- 11) CONTRACTOR SHALL ADJUST HANDHOLES 11, 16 AND 17 AS DIRECTED BY THE ENGINEER.
- 12) REMOVE AND SALVAGE EXISTING SIGNAL SYSTEM. SEE SPECIAL PROVISIONS.
- 13) ALL HANDHOLES SHALL BE CONCRETE HANDHOLES WITH TYPE "C" COVERS.

2 TYPE P100-A-35
P100 POLE FOUNDATION
ONE WAY SIGNAL-OVERHEAD
TYPE 10B-POLE MOUNTED 90°
TYPE 10B-POLE MOUNTED 180°
ONE PEDESTRIAN PUSH BUTTON AND SIGN
EXTEND INTO H.H.8:
3"R.S.C.
2-12/c#12
1-3/c#12
2-1/c#10(SIGN PANEL)

3 TYPE P80-A-30-D40-8(DAVIT AT 355°)
P80 POLE FOUNDATION
ONE WAY SIGNAL-OVERHEAD
TYPE 10B-POLE MOUNTED 90°
TYPE 10B-POLE MOUNTED 180°
LUMINAIRE-200 WATT H.P.S.
TWO PEDESTRIAN PUSH BUTTONS AND SIGNS
EXTEND INTO H.H.16:
3"R.S.C.
2-12/c#12
1-3/c#12
1-3/c#20 (FUTURE EVP)
2-1/c#10
2-1/c#10(SIGN PANEL)

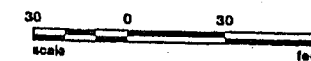
4 TYPE 1D
PEDESTAL POLE AND FOUNDATION
TWO PEDESTRIAN PUSH BUTTONS AND SIGNS
EXTEND INTO H.H.12:
2"R.S.C.
1-12/c#12
1-3/c#12

5 TYPE P100-A-35-D40-8(DAVIT AT 45°)
P100 POLE FOUNDATION
ONE WAY SIGNAL-OVERHEAD
TYPE 10B-POLE MOUNTED 90°
TYPE 10B-POLE MOUNTED 180°
ONE PEDESTRIAN PUSH BUTTON AND SIGN
EXTEND INTO H.H.10:
3"R.S.C.
2-12/c#12
1-3/c#12
1-3/c#20 (FUTURE EVP)
4-1/c#10
4-1/c#10(SIGN PANEL)

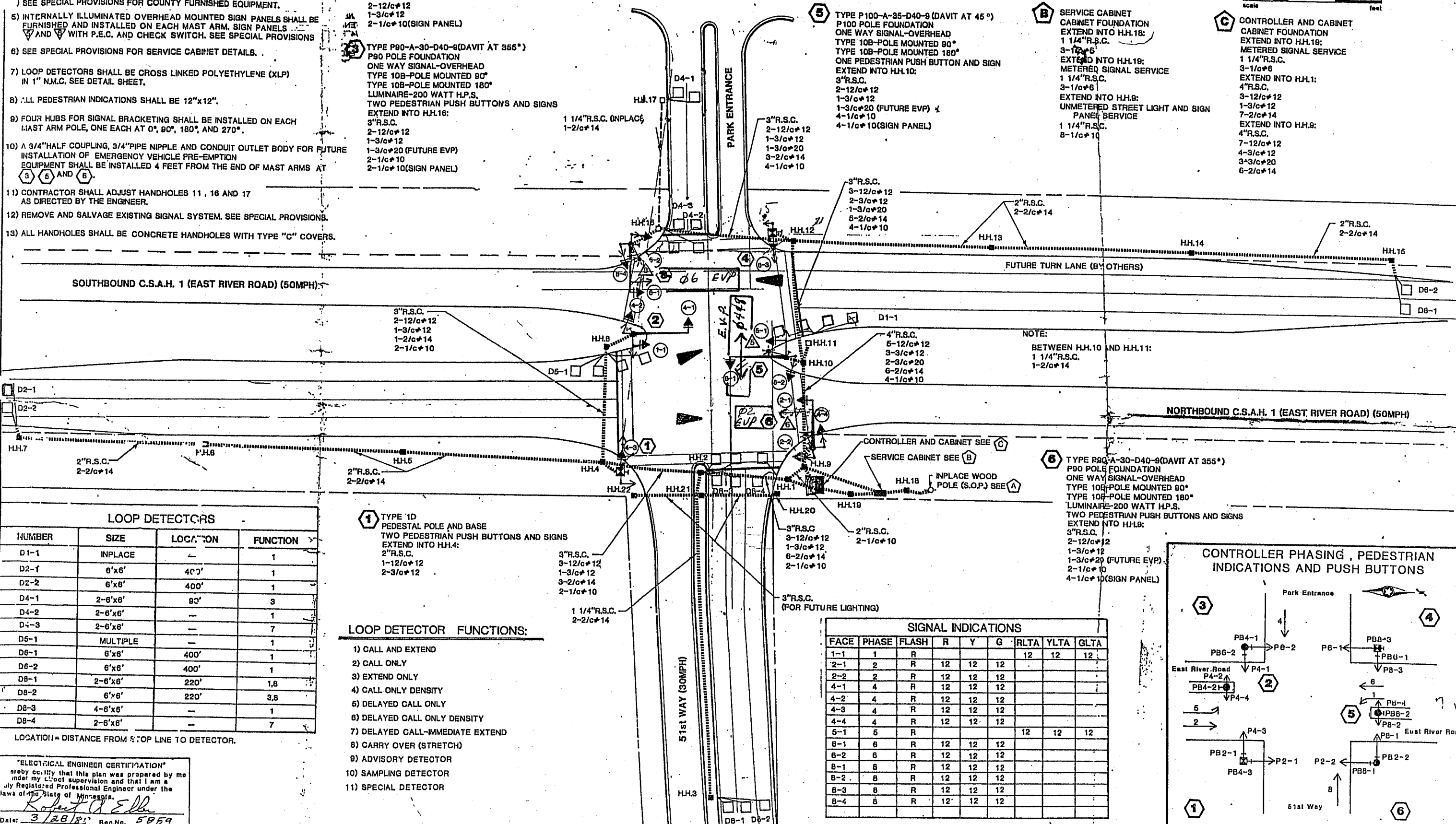
A INPLACE WOOD POLE (S.O.P.)
1 1/4"R.S.C. RISER AND WEATHERHEAD
3-1/c#8
EXTEND INTO H.H.18:
1 1/4"R.S.C.
3-1/c#8

B SERVICE CABINET
CABINET FOUNDATION
EXTEND INTO H.H.18:
1 1/4"R.S.C.
3-1/c#8
EXTEND INTO H.H.19:
METERED SIGNAL SERVICE
1 1/4"R.S.C.
3-1/c#8
EXTEND INTO H.H.9:
UNMETERED STREET LIGHT AND SIGN
PANEL SERVICE
1 1/4"R.S.C.
8-1/c#10

C CONTROLLER AND CABINET
CABINET FOUNDATION
EXTEND INTO H.H.18:
METERED SIGNAL SERVICE
1 1/4"R.S.C.
3-1/c#8
EXTEND INTO H.H.1:
4"R.S.C.
3-12/c#12
1-3/c#12
7-2/c#14
EXTEND INTO H.H.9:
4"R.S.C.
7-12/c#12
4-3/c#12
3-3/c#20
6-2/c#14



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LOOP DETECTORS

NUMBER	SIZE	LOCATION	FUNCTION
D1-1	INPLACE	—	1
D2-1	6'x6'	400'	1
D2-2	6'x6'	400'	1
D4-1	2-6'x6'	80'	3
D4-2	2-6'x6'	—	1
D4-3	2-6'x6'	—	7
D5-1	MULTIPLE	—	1
D6-1	6'x6'	400'	1
D6-2	6'x6'	400'	1
D8-1	2-6'x6'	220'	1,8
D8-2	6'x6'	220'	3,8
D8-3	4-6'x6'	—	1
D8-4	2-6'x6'	—	7

LOCATION = DISTANCE FROM TOP LINE TO DETECTOR.

LOOP DETECTOR FUNCTIONS:

- 1) CALL AND EXTEND
- 2) CALL ONLY
- 3) EXTEND ONLY
- 4) CALL ONLY DENSITY
- 5) DELAYED CALL ONLY
- 6) DELAYED CALL ONLY DENSITY
- 7) DELAYED CALL-IMMEDIATE EXTEND
- 8) CARRY OVER (STRETCH)
- 9) ADVISORY DETECTOR
- 10) SAMPLING DETECTOR
- 11) SPECIAL DETECTOR

"ELECTRICAL ENGINEER CERTIFICATION"
I hereby certify that this plan was prepared by me
under my direct supervision and that I am a duly
Registered Professional Engineer under the laws
of the State of Minnesota.

Date: 3/28/82 Reg. No. 5859

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.

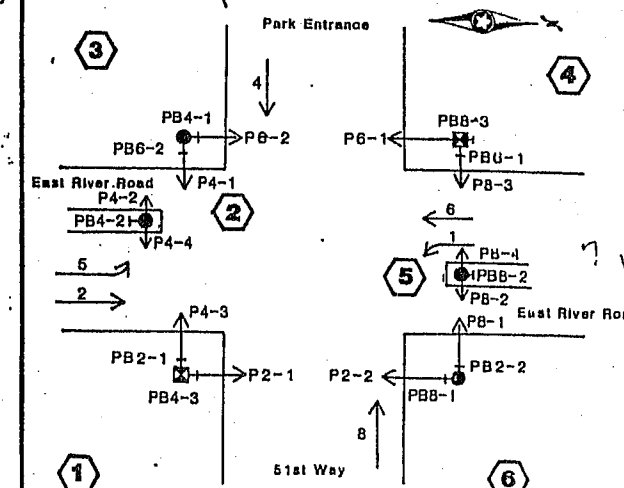
John VanWormer

SIGNAL INDICATIONS

FACE	PHASE	FLASH	R	Y	G	RLTA	YLTA	GLTA
1-1	1	R	12	12	12	12	12	12
2-1	2	R	12	12	12	12	12	12
2-2	2	R	12	12	12	12	12	12
4-1	4	R	12	12	12	12	12	12
4-2	4	R	12	12	12	12	12	12
4-3	4	R	12	12	12	12	12	12
4-4	4	R	12	12	12	12	12	12
5-1	5	R	12	12	12	12	12	12
6-1	6	R	12	12	12	12	12	12
6-2	6	R	12	12	12	12	12	12
8-1	8	R	12	12	12	12	12	12
8-2	8	R	12	12	12	12	12	12
8-3	8	R	12	12	12	12	12	12
8-4	8	R	12	12	12	12	12	12

NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES.

CONTROLLER PHASING, PEDESTRIAN INDICATIONS AND PUSH BUTTONS



SIGNAL SYSTEM
INTERSECTION LAYOUT

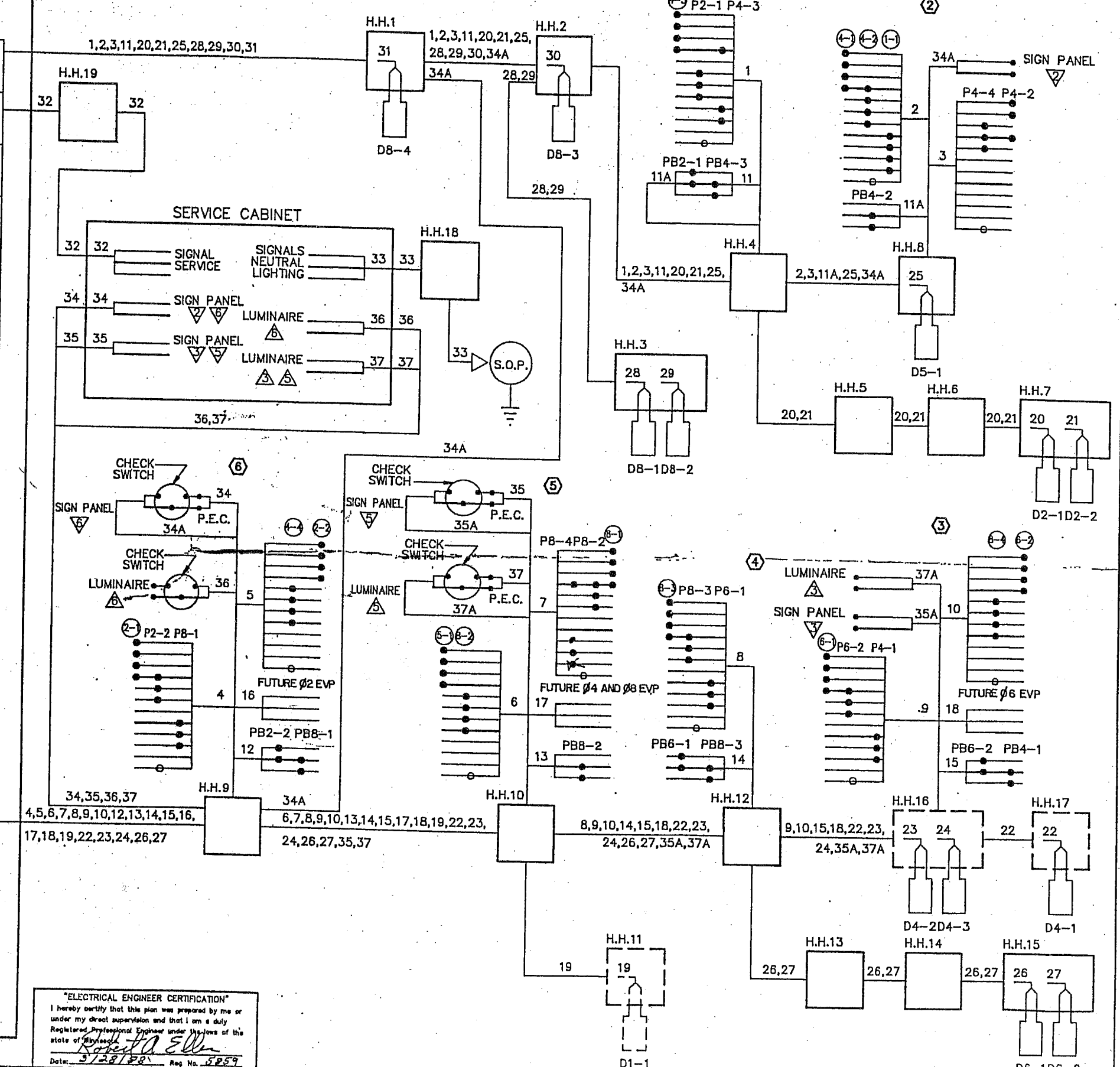
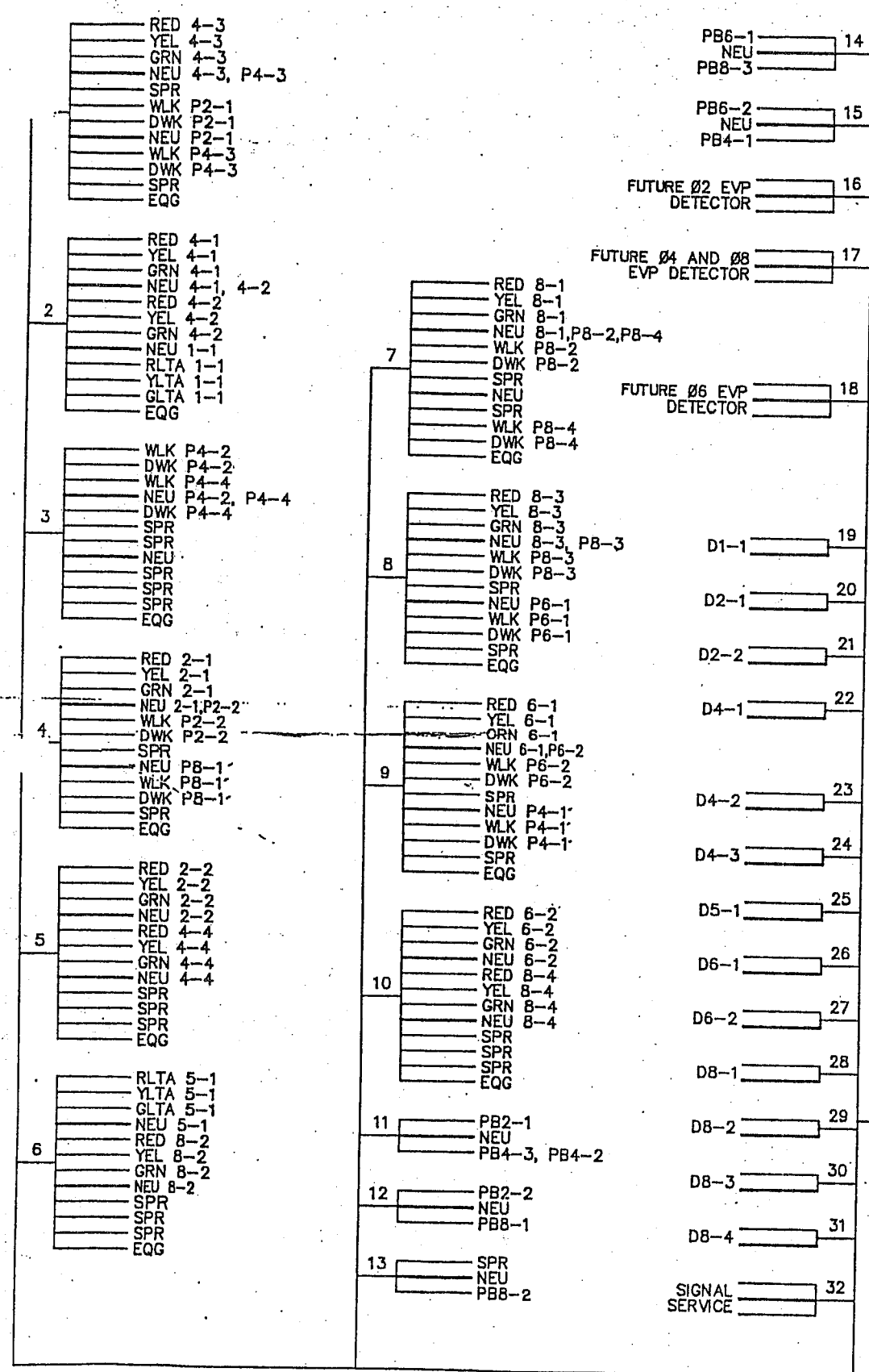
FILE NO.
88135

DATE
3/18/82

FRIDLEY, MINNESOTA

CONTROLLER CABINET

7002



"ELECTRICAL ENGINEER CERTIFICATION"
 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: 3/28/88 Reg. No. 5259

DATE	REVISIONS	ITEM	DESIGN	CHECKED

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: 3/31/88 Reg. No. 9099



FRIDLEY, MINNESOTA

SIGNAL SYSTEM
WIRING DIAGRAM
 51st WAY AT C.S.A.H.1 (EAST RIVER ROAD)

FILE NO.
 B8135
 DATE
 3/16/88