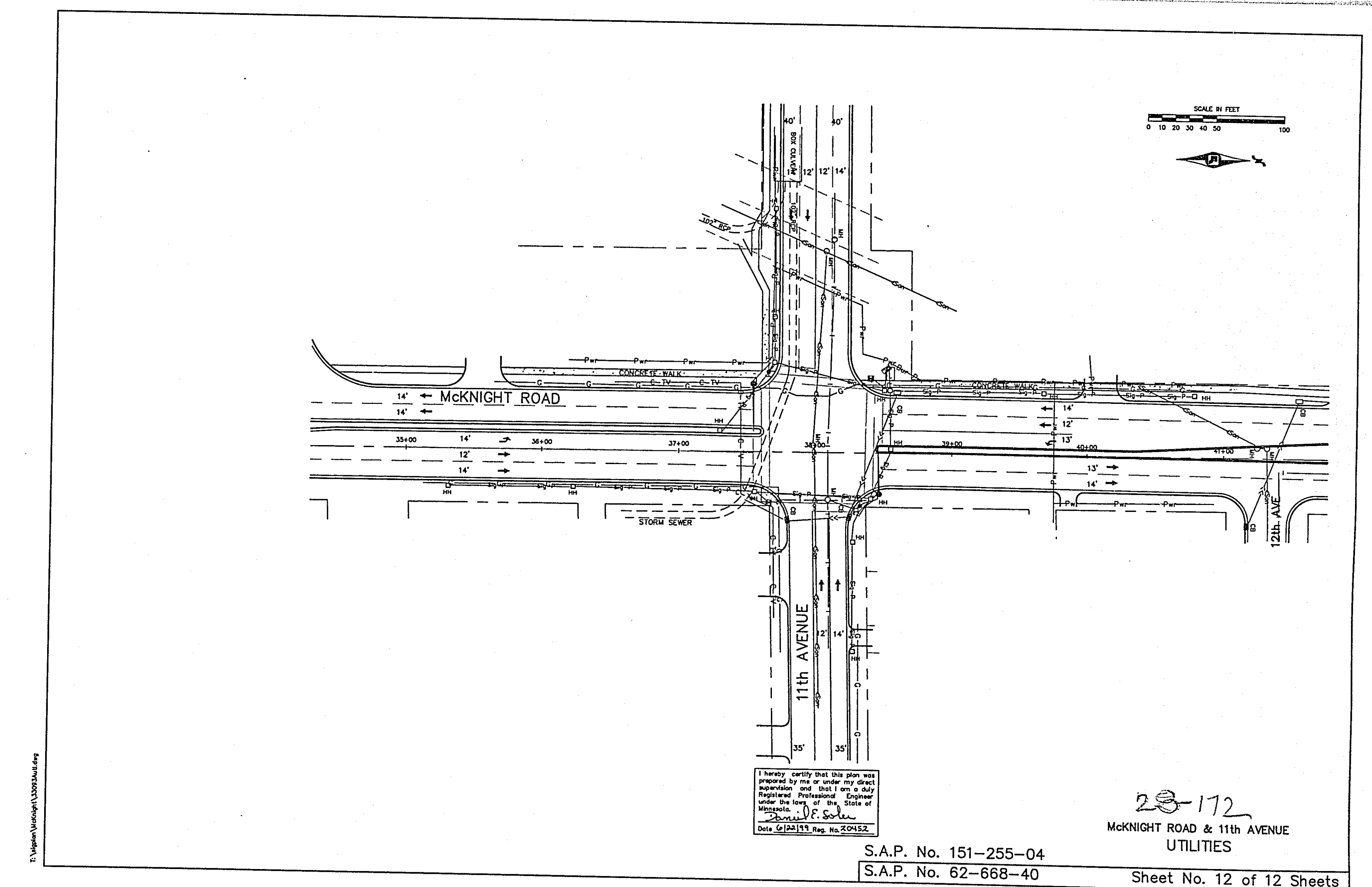
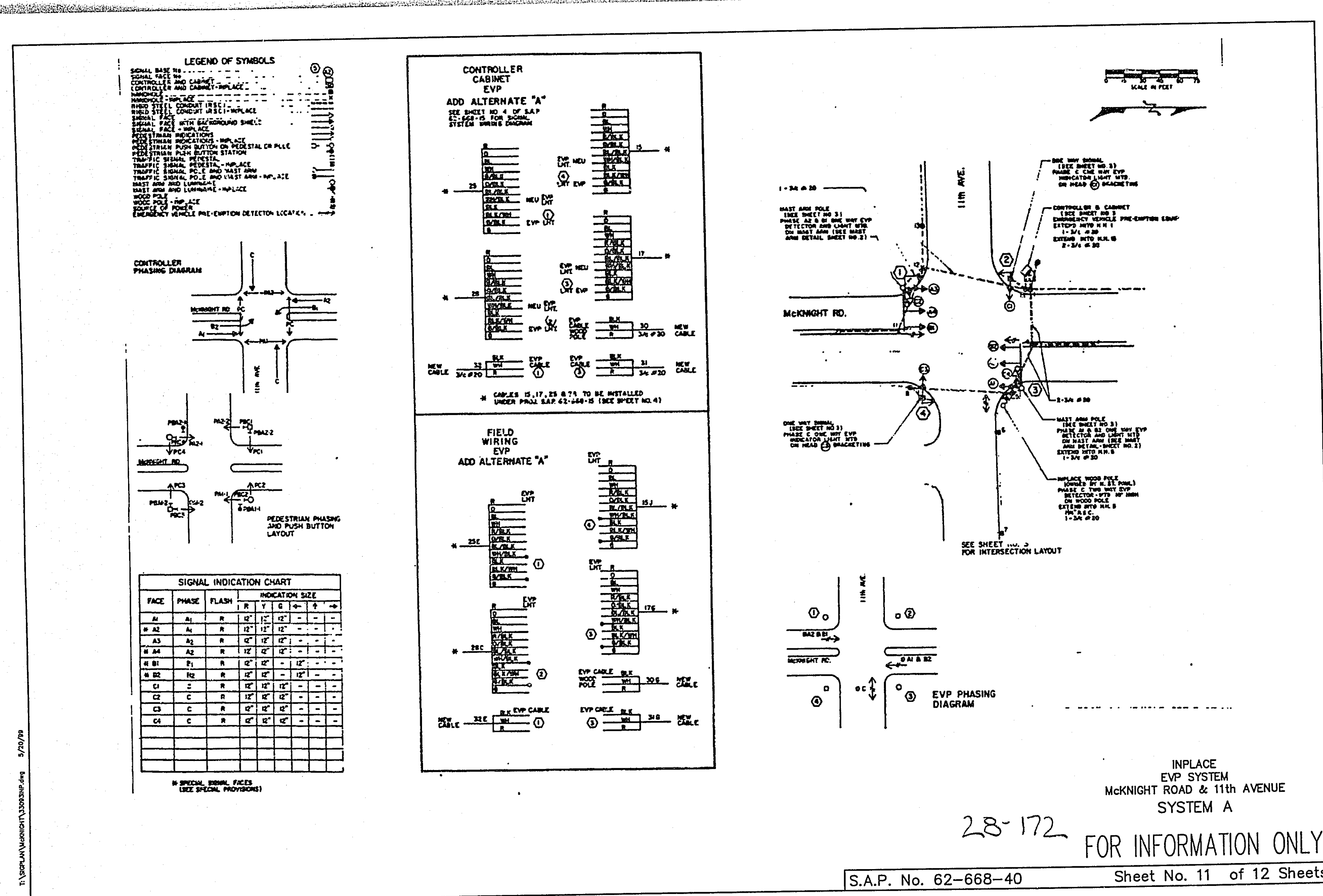
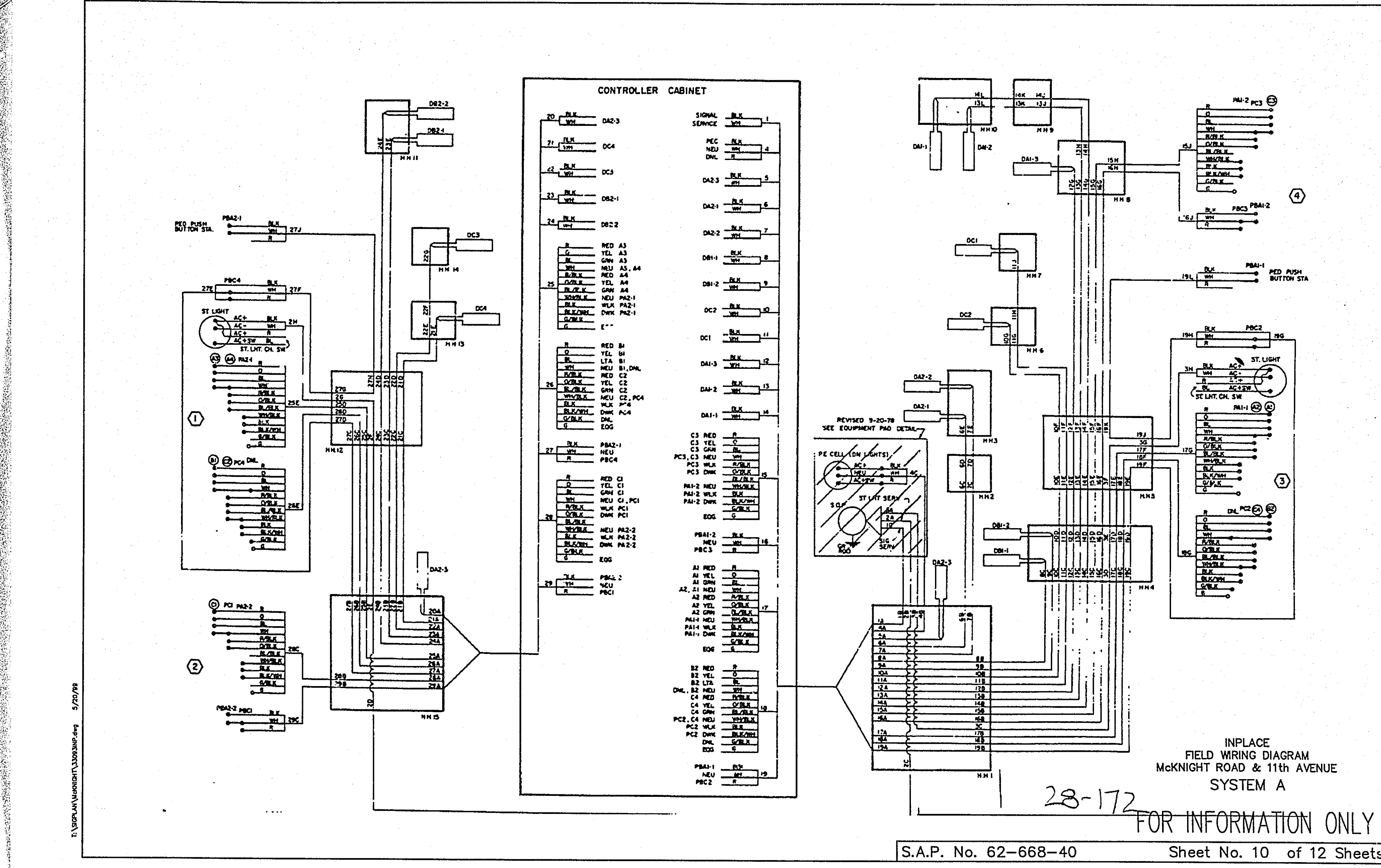
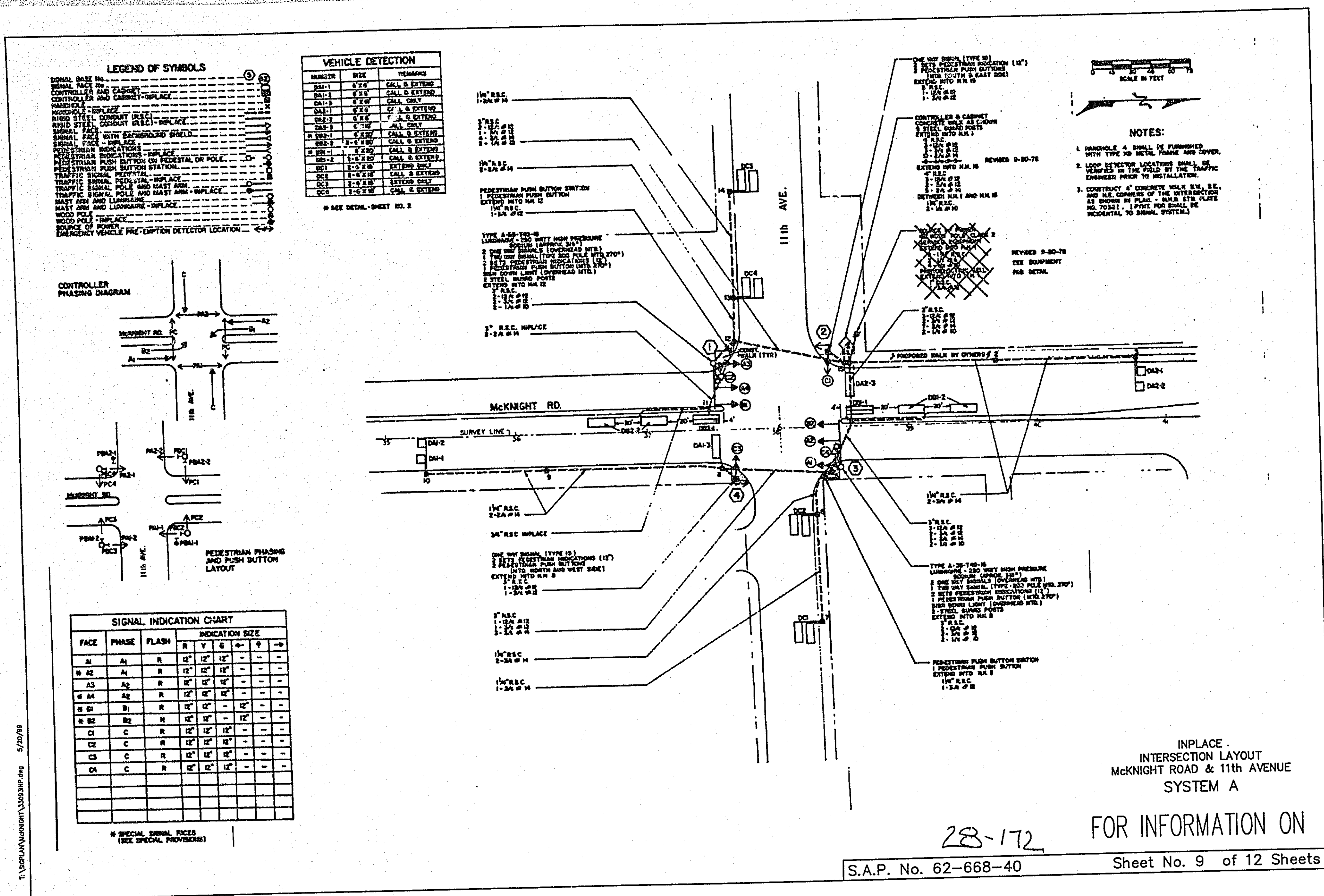


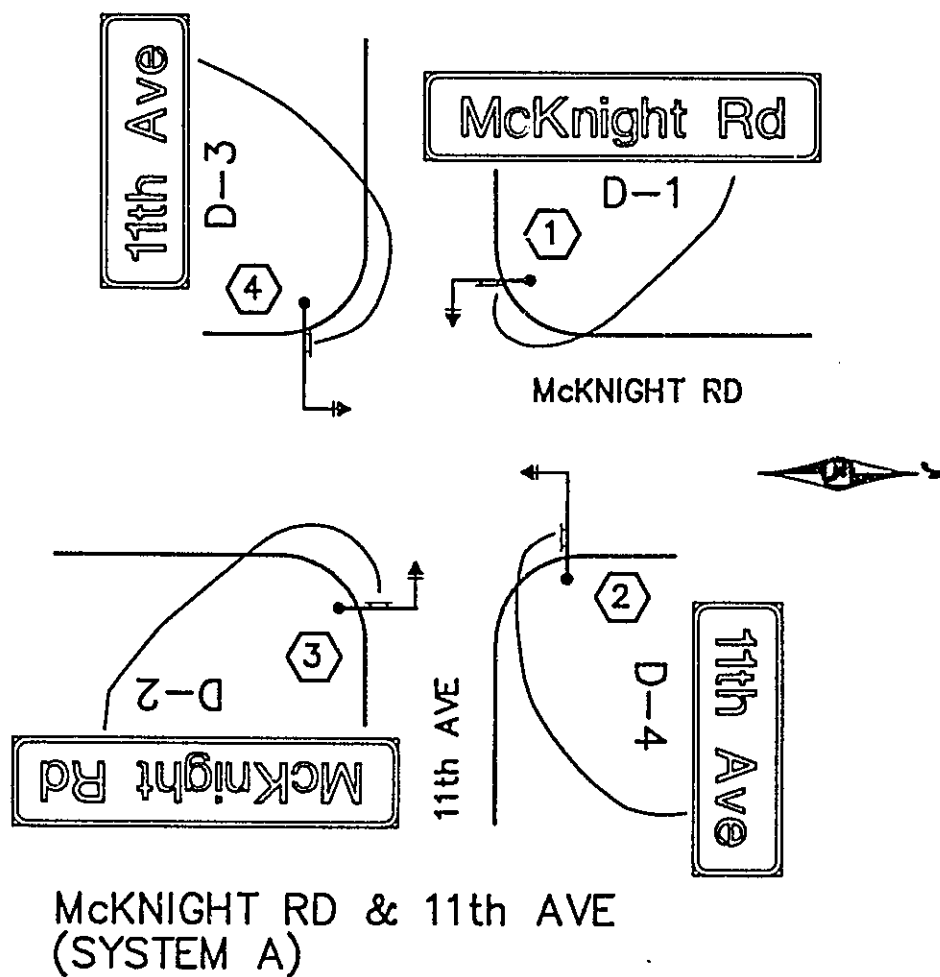


McKnight Rd

D-1 & D-2
96" X 18", 3.0 R. 1.0 B
LINE 1 = 81.15" : 8"-6" "E" MOD.

11th Ave

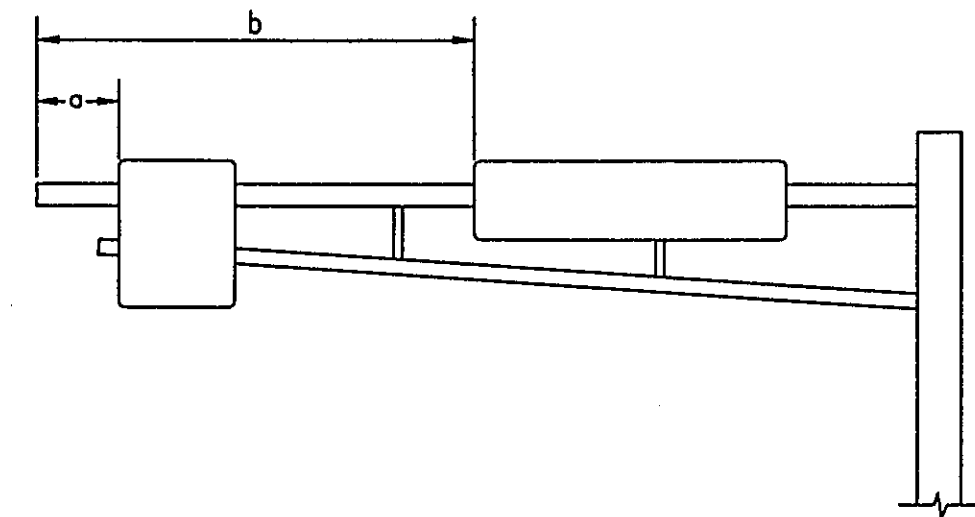
D-3 & D-4
66" X 18", 3.0 R. 1.0 B
LINE 1 = 52.53" : 8"-6" "E" MOD.



McKNIGHT RD & 11th AVE
(SYSTEM A)

TYPE "D" SIGNS - SIGNALS									
SIGN PANEL	SIZE	QUANTITY REQUIRED	BRACKETS PER SIGN	SQUARE FT. PER SIGN	a	b	MAST ARM POLE NUMBER		
D-1	96" x 18"	1	2	54"	12.0	24"	(A)(1)		
D-2	96" x 18"	1	2	54"	12.0	24"	(A)(2)		
D-3	66" x 18"	1	2	42"	8.25	7"	(A)(3)		
D-4	66" x 18"	1	2	42"	8.25	9"	(A)(4)		

TOTAL 40.5 SQ. FT. (A) - SYSTEM A



MAST ARM SIGN DIMENSIONING DETAIL

NOTES:

- COLOR - WHITE LEGEND AND BORDER ON GREEN BACKGROUND, FULLY REFLECTORIZED WITH PRISMATIC LENS REFLECTIVE SHEETING.
- CORNERS EXTENDING BEYOND THE BORDER SHALL NOT BE TRIMMED.
- BOARDS SHALL BE 1".
- SEE STANDARD SIGN MANUAL FOR ARROW DETAILS.
- FOR STRUCTURAL DETAILS, TYPE "D" SIGNS SEE STANDARD SIGNS MANUAL, PAGE 105.
- FOR TYPE "D" STRINGER AND PANEL - JOINT DETAIL, SEE STANDARD SIGNS MANUAL, PAGE 105.
- LETTERING STYLE SHALL BE HIGHWAY GOTHIC CONFORMING TO MN/DOT STANDARDS.

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 8/24/19 Reg. No. 201552
DANIEL E. SOLEN

MAST ARM SIGNS (TYPE D)
SYSTEMS A

S.A.P. No. 151-255-04

S.A.P. No. 62-668-40

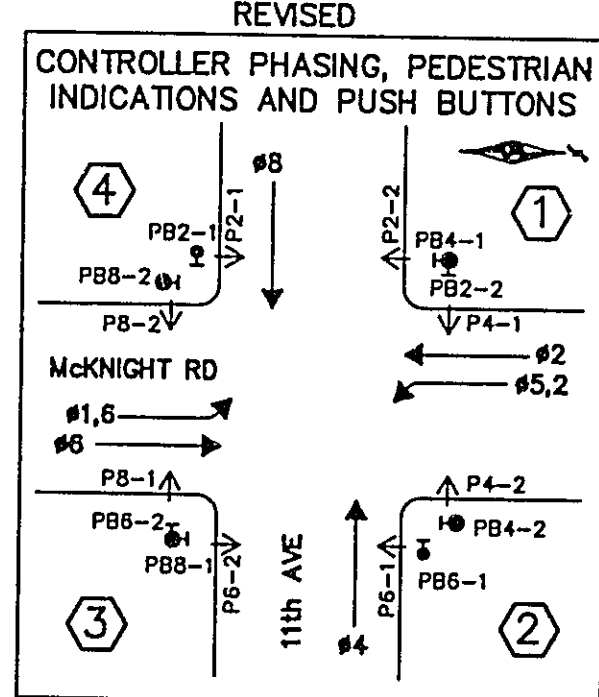
Sheet No. 5 of 12 Sheets

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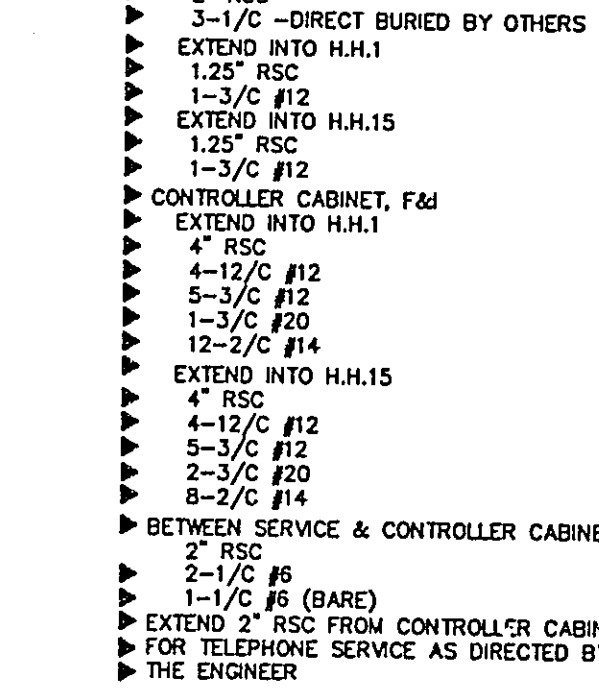


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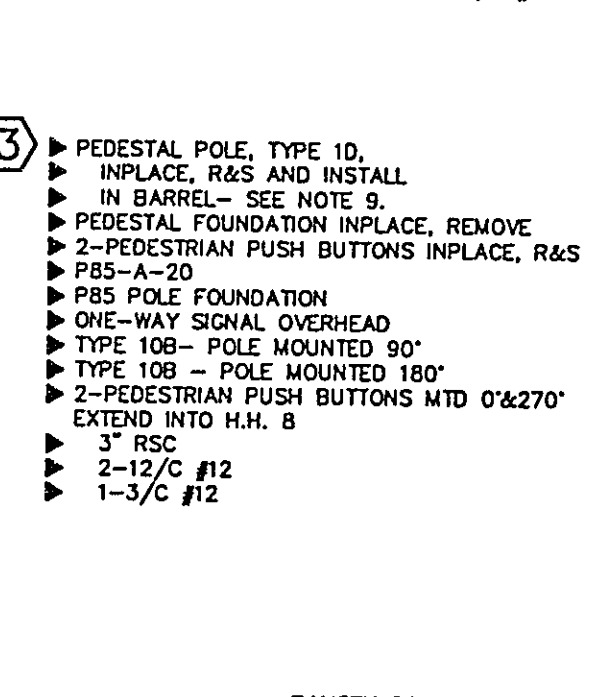


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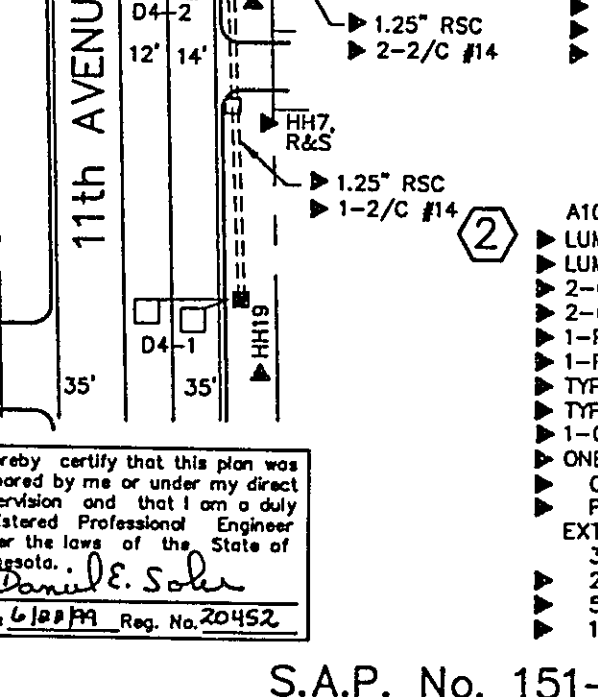


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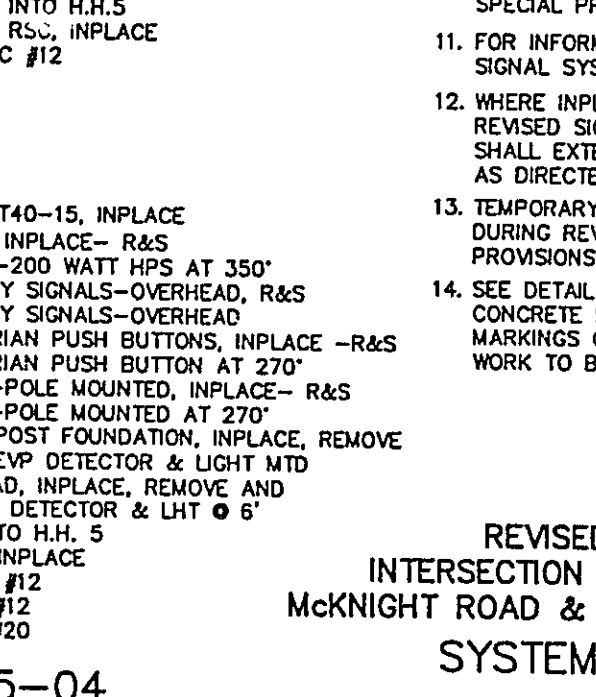


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- NOTES:
- ALL ITEMS OF THIS SIGNAL SYSTEM ARE UNLESS OTHERWISE NOTED WITH A "P" TO BE DONE THIS SHEET ONLY.
 - ALL PEDESTRIAN INDICATIONS SHALL BE ONE-SECTION HAND/WALKING PERSON INDICATIONS. THE HAND SYMBOL SHALL BE ILLUMINATED WITH PORTLAND CEMENT LEAD 9 SEE SPECIAL PROVISIONS.
 - ALL SIGNAL FACES SHALL HAVE BACK-ROUND SHIELDS EXCEPT SIGNAL FACES 4-3 AND 6-3.
 - EACH LUMINAIRE SHALL HAVE A PHOTO ELECTRIC CELL AND STREET LIGHT CHECK SWITCH.
 - HANDHOLES 1 THRU 15 ARE IN PLACE. HANDHOLES 4 & 11 HAVE METAL FRAME & COVERS. RAS HANDHOLES 3,4,5,7,10,13, & 14 AND RSC AS DIRECTED. "P" FAI HANDHOLES 4,14,15,20,21 & 23 SEE SPECIAL PROVISIONS.
 - REMOVE AND SALVAGE IN PLACE DOWN LIGHTS MOUNTED OVERHEAD ON POLES 2 & 4 (2 TOTAL).
 - ALL RED VEHICLE INDICATIONS SHALL BE ILLUMINATED WITH RED LED'S. SEE SPECIAL PROVISIONS.

- NOTES:
- REMOVE AND SALVAGE ALL CONTROL CABLE AND CONDUCTORS. FAI NEW.
 - R & S IN PLACE PEDESTAL POLES 1 & 3 AND SET IN BARRELS FOR TEMPORARY OPERATIONS DURING REVISION WORK. SEE SPECIAL PROVISIONS.
 - PAINT REVISED SIGNAL SYSTEM (SEE SPECIAL PROVISIONS).
 - FOR INFORMATION PURPOSES THE EXISTING SIGNAL SYSTEM IS INCLUDED IN THIS PLAN.
 - WHERE IN PLACE RSC IS UTILIZED IN THE REVISED SIGNAL SYSTEM, THE CONTRACTOR SHALL EXTEND RSC INTO NEW HANDHOLES AS DIRECTED BY THE ENGR.
 - TEMPORARY ALL RED FLASHING OPERATION DURING REVISION WORK. SEE SPECIAL PROVISIONS.
 - SEE DETAIL SHEET FOR CONCRETE CURB, CONCRETE SIDEWALK AND PAVEMENT MARKINGS CONSTRUCTION AND REMOVALS. WORK TO BE INCIDENTAL TO SYSTEM "A".

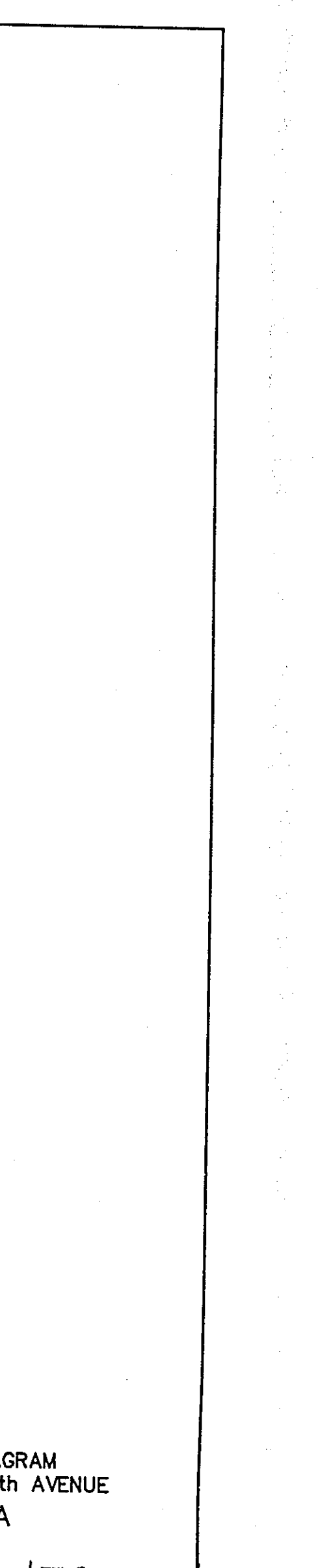
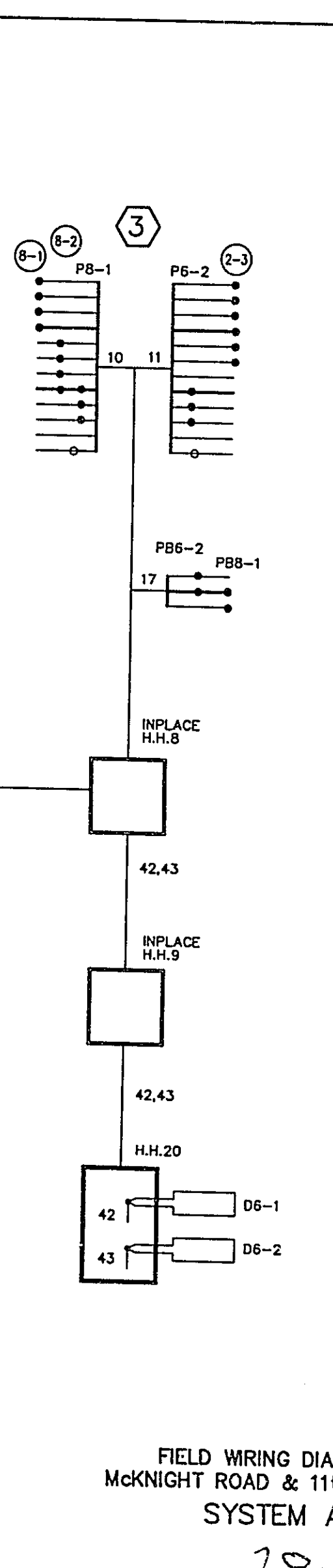
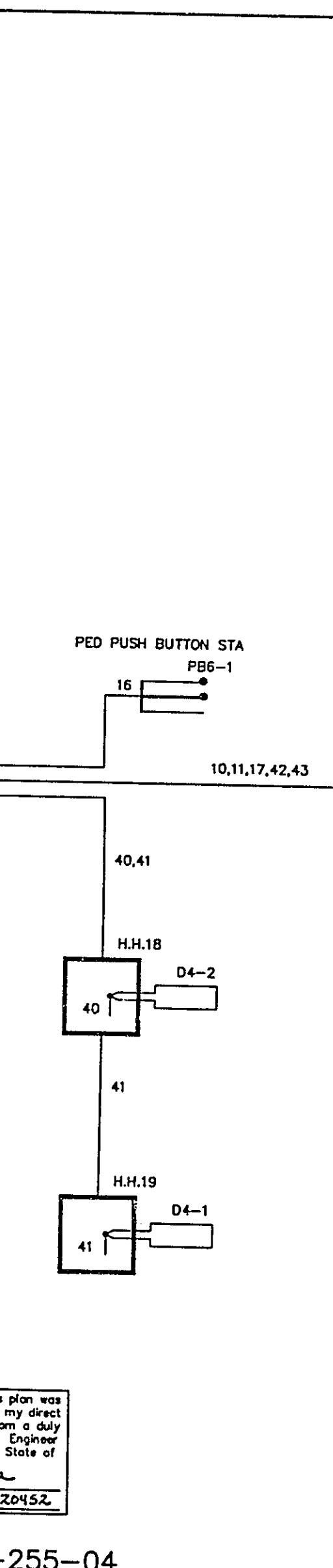
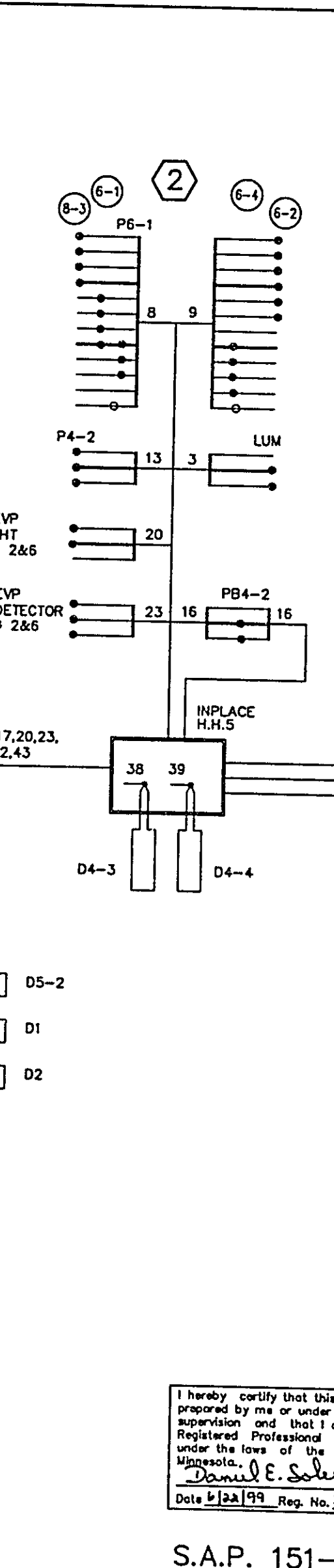
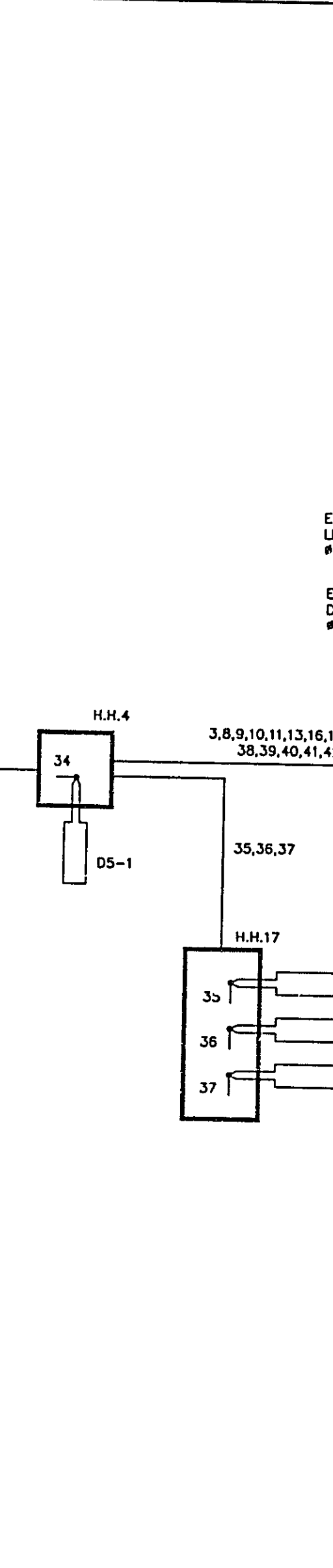
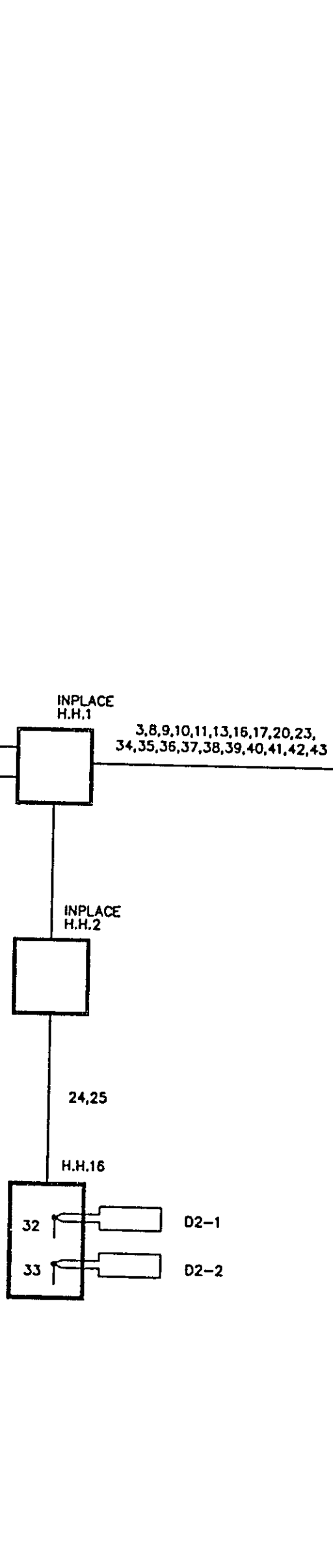
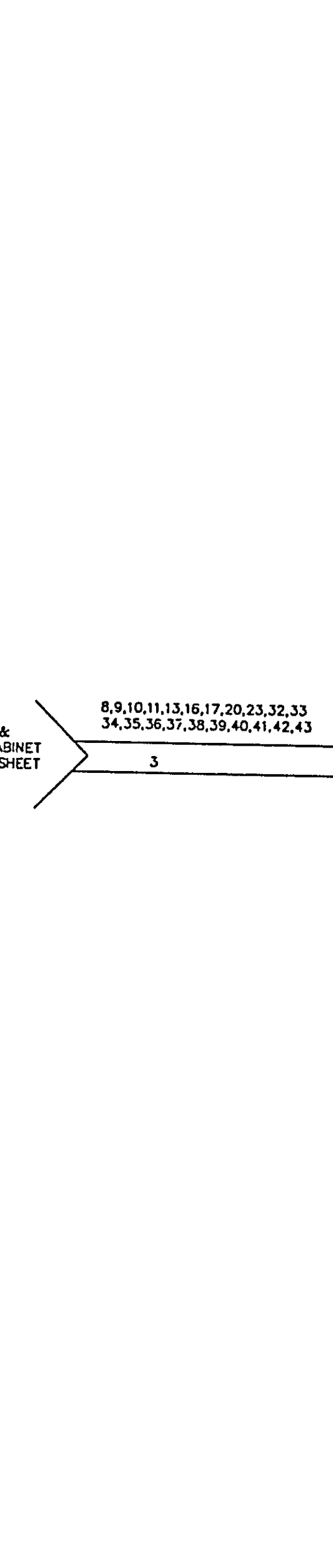
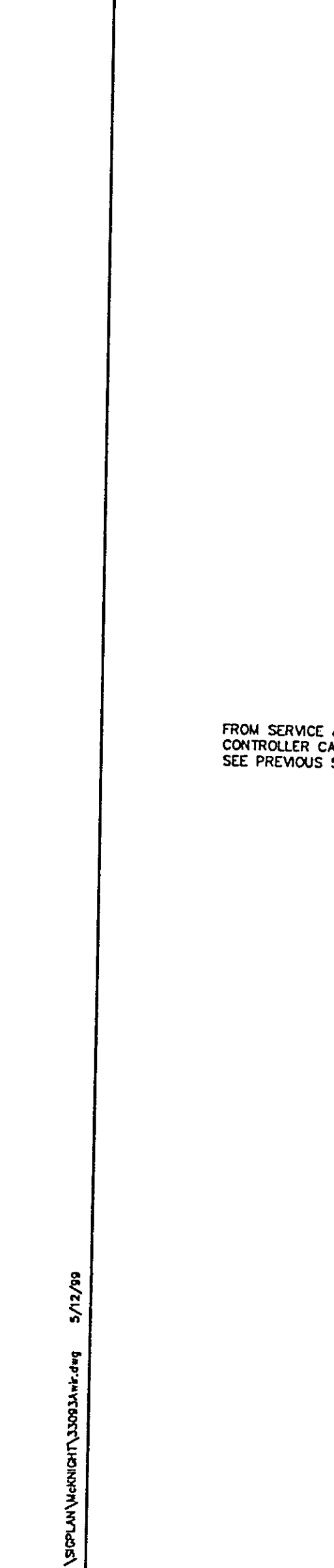
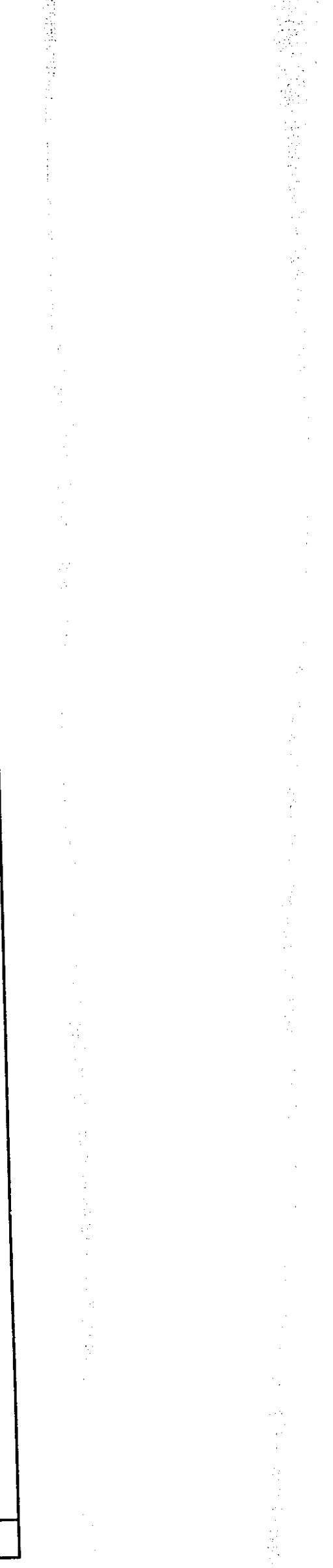
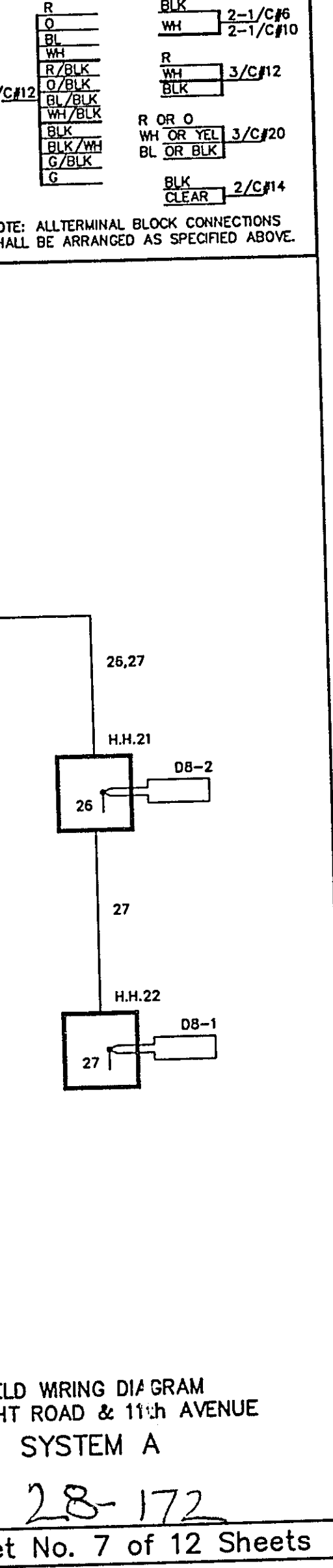
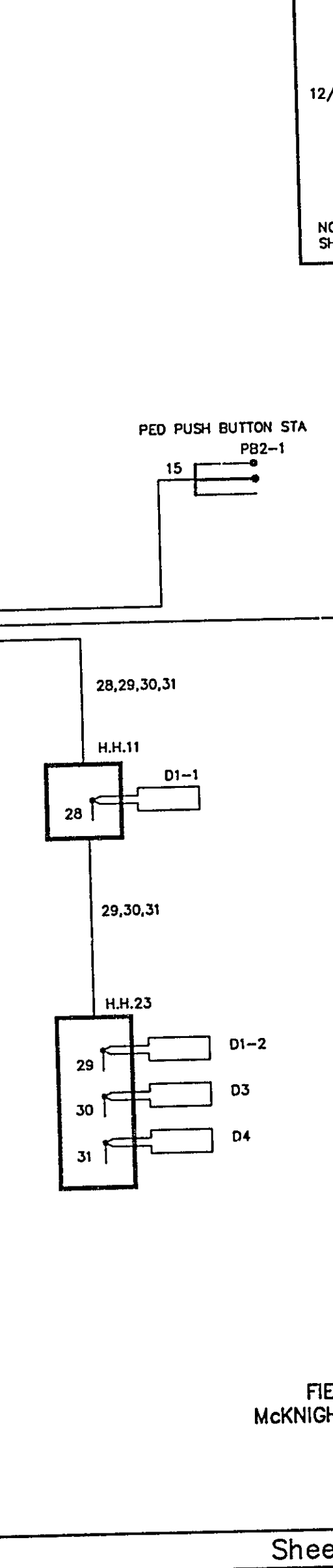
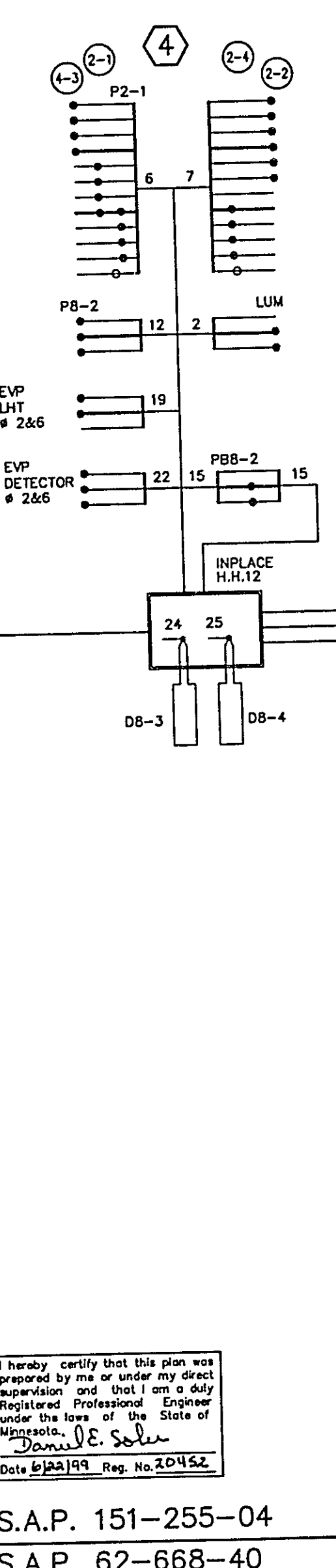
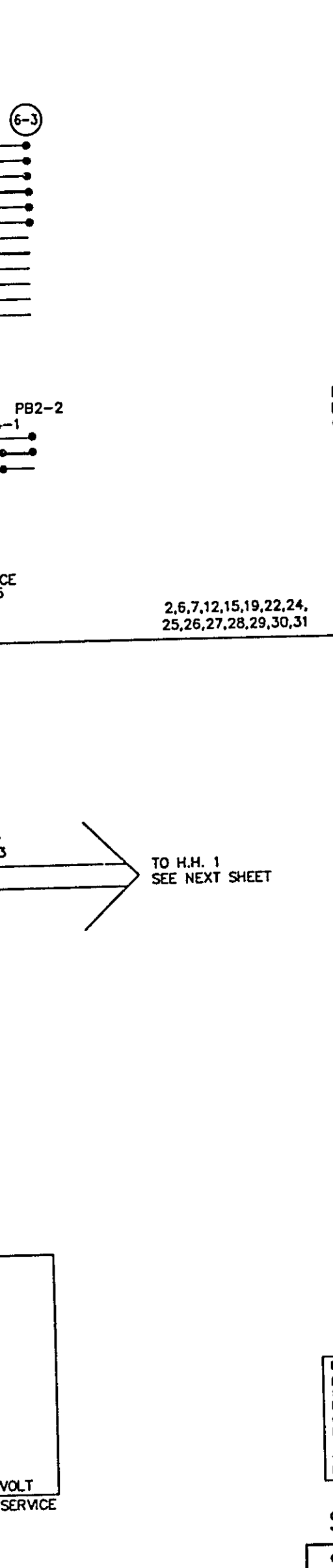
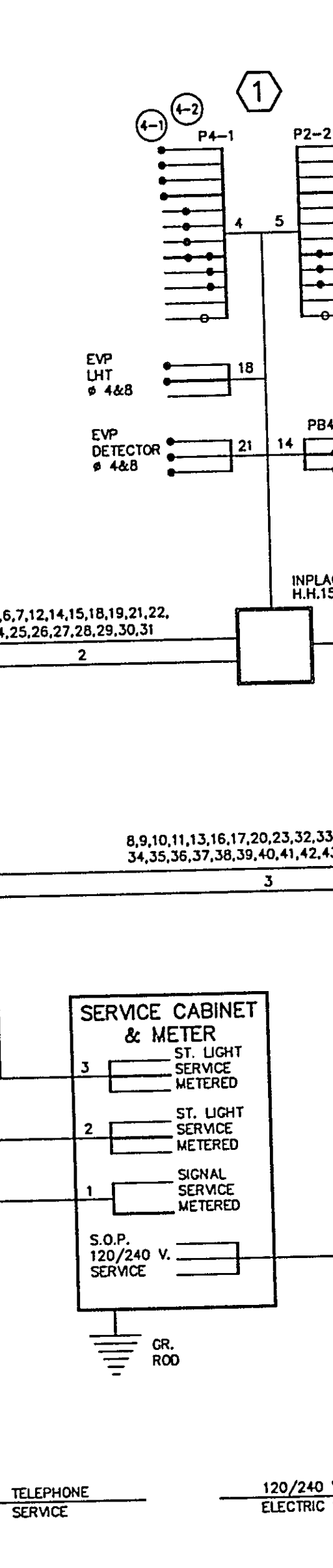
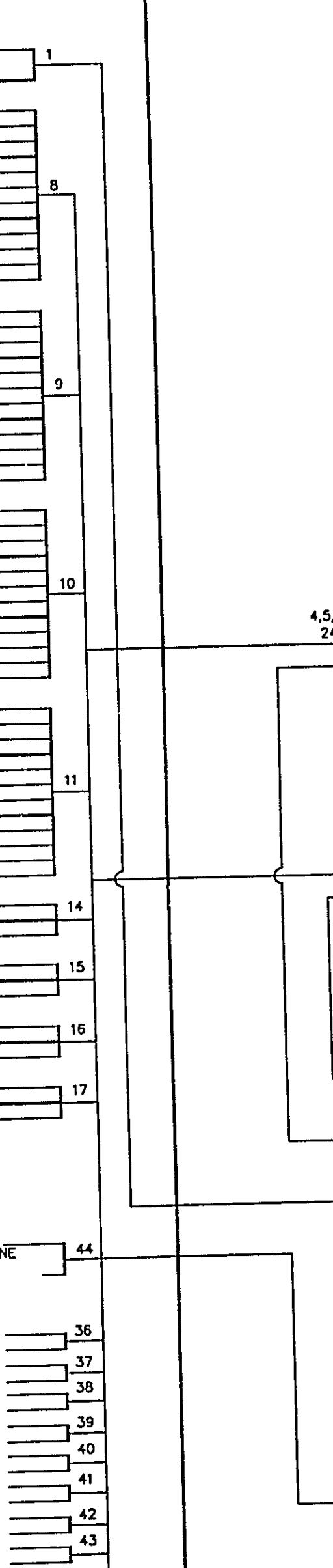
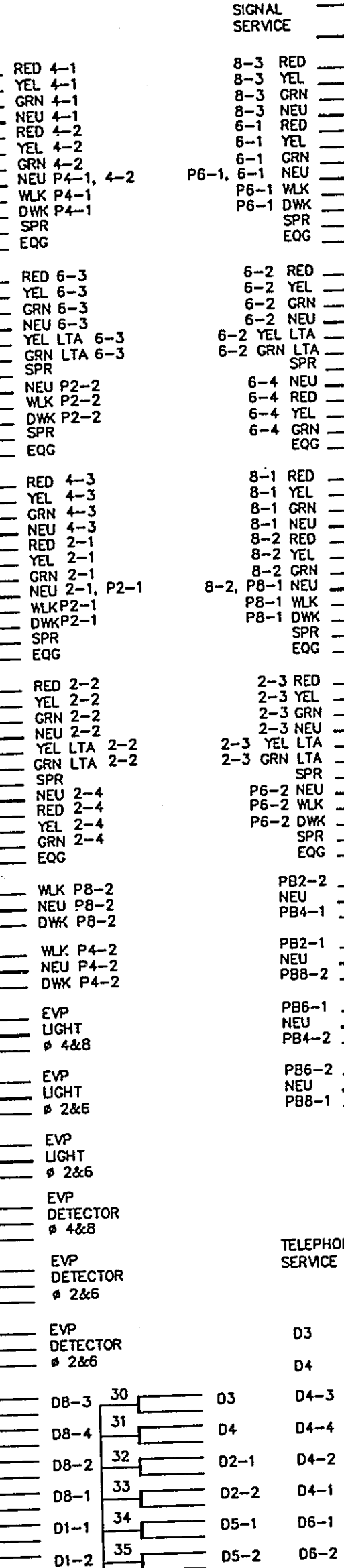
REVISED
INTERSECTION LAYOUT
McKNIGHT ROAD & 11th AVENUE
SYSTEM A

S.A.P. No. 151-255-04

S.A.P. No. 62-668-40

Sheet No. 6 of 12 Sheets

CONTROLLER CABINET



FIELD WIRING DIAGRAM
McKNIGHT ROAD & 11th AVENUE
SYSTEM A

S.A.P. 151-255-04

S.A.P. 62-668-40

Sheet No. 7 of 12 Sheets

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 8/24/19 Reg. No. 201552
DANIEL E. SOLEN

S.A.P. 151-255-04

S.A.P. 62-668-40

Sheet No. 8 of 12 Sheets

FIELD WIRING DIAGRAM
McKNIGHT ROAD & 11th AVENUE
SYSTEM A

