CONTROLLER INTERFACE PANEL

P1

SH		
A	SHELL GROUND	GB3
B	RESV.	6B
C	24V DC+	59A
D	VOLTAGE MONITOR	54A
E	Ø 1 RED	64A
F	Ø 1 DWK	66A
G	Ø 2 RED	71A
H	Ø 2 DWK	73A
J	Ø 2 PCL	142A
K	Ø 2 WK	72A
L	Ø 2 VEH DET	68A
M	Ø 2 PED DET	89A
N	Ø 2 HOLD	88
P	STOP TIMING I	15A
R	INHIBIT MAX TERM I	9A
S	EXTERNAL START	6A
T	INTERVAL ADVANCE	19A
U	INDICATOR LAMP CONT	20A
V	AC-COMMON	NB3
W	CHASSIS GROUND	GB3
X	LOGIC GROUND	55A
Y	FLASH LOGIC OUT	5A
Z	STATUS BIT C1	17B
a	Ø 1 YEL	63A
b	Ø 1 PCL	141A
c	Ø 2 YEL	70A
d	Ø 2 GRN	69A
e	Ø 2 CHECK	22A
f	Ø 2 PHASE ON	34A
g	Ø 1 VEH DET	61A
h	Ø 1 PED DET	88A
j	Ø 1 HOLD	7B
k	EXT MIN RECALL ALLØ	7A
m	MAN. CONTROL ENABLE	50A
n	CALL TO NON-ACT I	4A
p	TEST INPUT A	17A
q	AC+ CONTROL	18
r	SPARE 1	846B
s	STATUS BIT B1	3B
t	Ø 1 GRN	16B
u	Ø 1 WK	62A
v	Ø 1 CHECK	65A
w	Ø 2 PED OMIT	21A
x	OMIT RED CLR	34B
y	RED REST MODE I	11A
z	SPARE 2	13A
AA	CALL TO NON-ACT II	4B
BB	TEST INPUT B	18A
CC	WALK REST MODIFIER	2B
DD	STATUS BIT A1	3A
EE	Ø 1 PHASE ON	15B
FF	Ø 1 PED OMIT	33A
GG	PED RECYCLE	33B
HH	MAX 2 SELECT	92A
	SPARE 3	1A
		5B

P2

SH		
A	SHELL GROUND	GB3
B	Ø 1 PHASE NEXT	21B
C	SPARE 1	29A
D	Ø 2 PHASE NEXT	22B
E	Ø 3 GRN	76A
F	Ø 3 RED	77A
G	Ø 4 RED	78A
H	Ø 4 PCL	84A
J	Ø 4 DWK	144A
K	Ø 4 CHECK	86A
L	Ø 4 VEH DET	24A
M	Ø 4 PED DET	81A
N	Ø 3 VEH DET	91A
P	Ø 3 PED DET	75A
R	Ø 3 PHASE OMIT	90A
S	Ø 2 PHASE OMIT	43A
T	Ø 5 PED OMIT	42A
U	Ø 1 PHASE OMIT	37B
V	PED RECYCLE 2	41A
W	SPARE 2	132A
X	SPARE 3	29B
Y	Ø 3 WK	30A
Z	Ø 3 PCL	79A
a	Ø 3 DWK	143A
b	Ø 4 GRN	80A
c	Ø 4 YEL	82A
d	Ø 4 WK	83A
e	Ø 4 PHASE ON	85A
f	Ø 4 PHASE NEXT	36A
g	Ø 4 PHASE OMIT	24B
h	Ø 4 HOLD	44A
j	Ø 3 HOLD	10B
k	Ø 3 PED OMIT	9B
m	Ø 6 PED OMIT	35B
n	Ø 7 PED OMIT	38B
p	Ø 8 PED OMIT	39B
q	OL A YEL	40B
r	OL A RED	96A
s	Ø 3 CHECK	97A
t	Ø 3 PHASE ON	23A
u	Ø 3 PHASE NEXT	35A
v	OL D RED	23B
w	SPARE 4	140A
x	OL D GRN	30B
y	Ø 4 PED OMIT	138A
z	SPARE 5	36B
AA	MAX 2 SELECT 2	31B
BB	OL A GRN	2A
CC	OL B YEL	95A
DD	OL B RED	99A
EE	OL C RED	100A
FF	OL D YEL	137A
GG	OL C GRN	139A
HH	OL B GRN	135A
	OL C YEL	98A
		136A

P3

SH		
A	SHELL GROUND	GB3
B	STATUS BIT A 2	18B
C	STATUS BIT B 2	19B
D	Ø 8 DWK	126A
E	Ø 8 RED	124A
F	Ø 7 YEL	117A
G	Ø 7 RED	118A
H	Ø 6 RED	111A
J	Ø 5 RED	104A
K	Ø 5 YEL	103A
L	Ø 5 PCL	145A
M	Ø 5 DWK	106A
N	Ø 5 PHASE NEXT	25B
P	Ø 5 PHASE ON	37A
R	Ø 5 VEH DET	101A
S	Ø 5 PED DET	128A
T	Ø 6 VEH DET	108A
U	Ø 6 PED DET	129A
V	Ø 7 PED DET	130A
W	Ø 7 VEH DET	115A
X	Ø 8 PED DET	131A
Y	Ø 8 HOLD	14B
Z	FORCE OFF 2	8A
a	STOP TIME 2	16A
b	INHIBIT MAX TERM 2	10A
c	SPARE 1	31A
d	STATUS BIT C 2	20B
e	Ø 8 WK	125A
f	Ø 8 YEL	123A
g	Ø 7 GRN	116A
h	Ø 6 GRN	109A
j	Ø 6 YEL	110A
k	Ø 5 GRN	102A
m	Ø 5 WK	105A
n	Ø 5 HOLD	25A
p	Ø 5 PHASE OMIT	11B
q	Ø 6 HOLD	45A
r	Ø 6 PHASE OMIT	12B
s	Ø 7 PHASE OMIT	46A
t	Ø 8 PHASE OMIT	47A
u	Ø 8 VEH DET	48A
v	RED REST MODE 2	121A
w	OMIT RED CLR 2	14A
x	Ø 8 PCL	12A
y	Ø 8 GRN	148A
z	Ø 7 DWK	122A
AA	Ø 6 DWK	120A
BB	Ø 6 PCL	113A
CC	Ø 6 CHECK	146A
DD	Ø 6 PHASE ON	26A
EE	Ø 6 PHASE NEXT	38A
FF	Ø 7 HOLD	26B
GG	Ø 8 CHECK	13B
HH	Ø 8 PHASE ON	28A
JJ	Ø 8 PHASE NEXT	40A
KK	Ø 7 WK	288
LL	Ø 7 PCL	119A
MM	Ø 6 WK	147A
NN	Ø 7 CHECK	112A
PP	Ø 7 PHASE ON	27A
	Ø 7 PHASE NEXT	39A
		27B

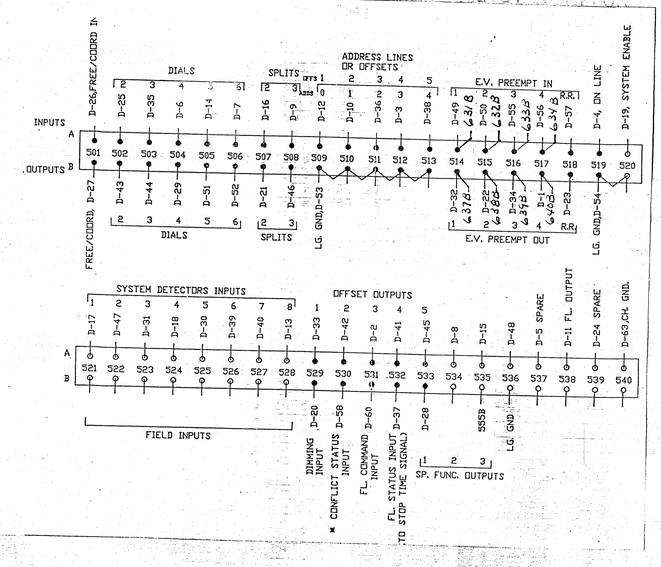
NEMA 12L CONFLICT MONITOR

CM1

SH		
A	SHELL GROUND	GB3
B	AC+ I	826B
C	RELAY 1 NO	156A
D	RELAY 2 NC	149A
E	CH 12 GRN	833A
F	CH 11 GRN	834A
G	CH 10 GRN	835A
H	CH 9 GRN	836A
J	CH 8 GRN Ø8	244A
K	CH 7 GRN Ø7	233A
L	CH 6 GRN Ø6	232A
M	CH 5 GRN Ø5	226A
N	CH 4 GRN Ø4	220A
P	CH 3 GRN Ø3	214A
R	CH 2 GRN Ø2	208A
S	CH 1 GRN Ø1	202A
T	+24 MONITOR I	56B
U	LOGIC GROUND	55B
V	CHASSIS GROUND	SHELL
W	AC-	NB3
X	RELAY 1 COMMON(AC+)	850A
Y	RELAY 2 COMMON (LG)	56B
Z	CH 12 YEL	829A
a	CH 11 YEL	830A
b	CH 10 WK	839A
c	CH 10 YEL	831A
d	CH 9 YEL	832A
e	CH 8 YEL Ø8	246A
f	CH 7 YEL Ø7	240A
g	CH 6 YEL Ø6	234A
h	CH 5 YEL Ø5	228A
j	CH 4 YEL Ø4	216A
k	CH 3 WK	843A
m	CH 3 YEL Ø3	210A
n	CH 2 YEL Ø2	204A
p	CH 1 YEL Ø1	149B
q	CONT. VOLT. MON.	548
r	+24V MONITOR INHIBIT	849A
s	RELAY 1 NC	157A
t	RELAY 2 NO	837A
u	CH 12 WK	838A
v	CH 11 WK	840A
w	CH 9 WK	268A
x	CH 8 WK Ø8	841A
y	CH 7 WK	842A
z	CH 2 YEL Ø4	222A
AA	CH 2 WK Ø2	250A
BB	CH 1 WK	844A
CC	SPARE 1	150A
DD	RESET	152B
EE	CAB. INTERLOCK A	151B
FF	CAB. INTERLOCK B	150B
GG	CH 6 WK Ø6	262A
HH	CH. 4 WK Ø4	256
	SPARE 2	151A
	SPARE 3	152A

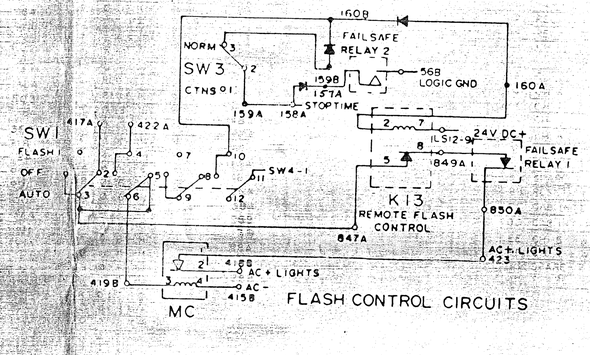
CM2

SH		
A	SHELL GROUND	GB3
B	AC+ II	825B
C	DELAY RELAY COMM	57B
D	DELAY RELAY NO	6A
E	CH 12 RED	825A
F	CH 11 RED	826A
G	CH 9 RED	828A
H	CH 8 RED Ø8	248A
J	CH 7 RED Ø7	242A
K	CH 6 RED Ø6	236A
L	CH 5 RED Ø5	230A
M	CH 4 RED Ø4	224A
N	CH 2 RED Ø2	212A
P	CH 1 RED Ø1	206A
R	SPARE 1	153A
S	+24V MONITOR II	59B
T	SPARE 2	154A
U	SPARE 3	155A
V	DELAY RELAY NC	153B
W	CH IONED	827A
X	SPARE 4	154B
Y	SPARE 5	155B
Z	SPARE 6	156B
a	CH 3 RED Ø3	218A
b	RED ENABLE	846A
c	SPARE 7	157B
	SPARE 8	158B



SPECIAL FUNCTION MODULE PIN ASSIGNMENT 'D' CABLE 28022900-004

CONN. PIN	I/O	FUNCTION	TERM.
1	O	EMERG. PR. 4 OUT	517B
2	O	OFFSET 3 OUT	531A
3	I	OFFSET 4 (ADD BIT 3)	518A
4	I	ON LINE	519A
5	O	SPARE	537A
6	I	DIAL 4	504A
7	I	DIAL 6	506A
8	O	SPECIAL FUNCTION 2 OUT	534A
9	I	SPLIT 3	508A
10	I	OFFSET 2 (ADD BIT 1)	510A
11	O	FLASH OUT	536A
12	I	OFFSET 1 (ADD BIT 0)	509A
13	I	SYSTEM DET. 8	528A
14	I	DIAL 5	505A
15	O	SPECIAL FUNCTION 3 OUT	535A
16	I	SPLIT 2	507A
17	I	SYSTEM DET. 1 (SEQ. #1)	521A
18	I	SYSTEM DET. 4 (SEQ. #4)	524A
19	I	SYSTEM ENABLE	520A
20	I	DIMMING ENABLE	529B
21	O	SPLIT 2 OUT	507B
22	O	EMERG. PR. 2 OUT	515B
23	O	RAILROAD PR. OUT	518B
24	O	SPARE	539A
25	I	DIAL 2 (SPECIAL FUNCTION 2)	502A
26	I	FREE/CODRD (SPECIAL FUNCTION 1)	501A
27	O	FREE/CODRD OUT	501B
28	O	SPECIAL FUNCTION 1 OUT	533B
29	I	DIAL 4 OUT	504B
30	I	SYSTEM DET. 5	525A
31	I	SYSTEM DET. 3 (SEQ. #3)	523A
32	O	EMERG. PR. 1 OUT	514B
33	O	OFFSET 1 OUT	529A
34	O	EMERG. PR. 3 OUT	516B
35	I	DIAL 3 (SPECIAL FUNCTION 3)	503A
36	I	OFFSET 3 (ADD BIT 2)	511A
37	I	FLASH STATUS	532B
38	I	OFFSET 5 (ADD BIT 4)	513A
39	I	SYSTEM DET. 6	526A
40	I	SYSTEM DET. 7	527A
41	O	OFFSET 4 OUT	532A
42	O	OFFSET 2 OUT	530A
43	O	DIAL 2 OUT	502B
44	O	DIAL 3 OUT	503B
45	O	OFFSET 5 OUT	533A
46	O	SPLIT 3 OUT	508B
47	I	SYSTEM DET. 2 (SEQ. #2)	522A
48		LOGIC GND.	536A
49	I	EMERG. PREEMPT 1	514A
50	I	EMERG. PREEMPT 2	515A
51	O	DIAL 5 OUT	505B
52	O	DIAL 6 OUT	506B
53		LOGIC GND.	509B
54		LOGIC GND	519B
55	I	EMERG. PREEMPT 3	516A
56	I	EMERG. PREEMPT 4	517A
57	I	RAILROAD PREEMPT	518A
58	I	CONFLICT STATUS	530B
59		RESERVED	T
60	I	FLASH COMMAND	531B
61		RESERVED	T
62		RESERVED	T
63		CHASSIS GND.	540A



FLASH CONTROL CIRCUITS

✱ DOES NOT INCLUDE CONTROL EQUIPMENT HARNESS

CABINET WIRING FUNCTIONAL COLOR CODES

COLOR	FUNCTIONAL ✱
BLACK	AC +
WHITE	AC NEUTRAL
GREEN	EARTH GROUND
RED	CONFLICT MONITOR WIRING
BLUE	
YELLOW	INTERCONNECT
ORANGE	
PURPLE	CALLING DETECTOR

EVP CONFIRMATORY LIGHTS

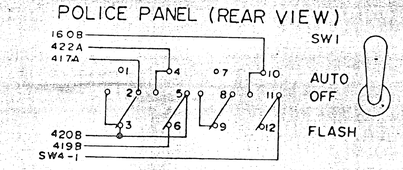
CONTR. CHAN.	PHASES	POLE #	TERM
1	1-6	3	251
2	2-5	1	257
3	4	2	263
4	8	4	269

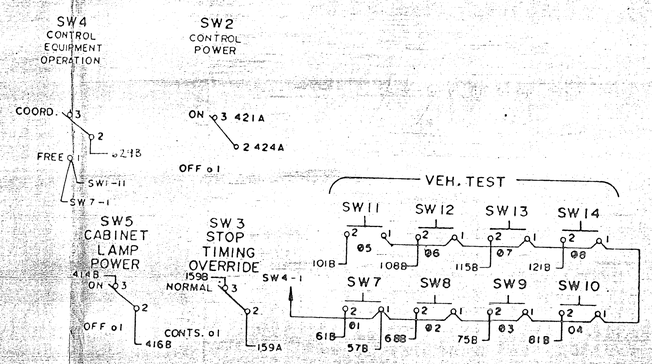
EVP SENSORS

CONTR. CHAN.	PHASES	POLE #	SIGNAL	DC(+)	GND
1	1-6	3	333	334	337
2	2-5	1	334	334	337
3	4	2	338	339	342
4	8	4	341	339	342

EVP TYPICAL SENSOR WIRE COLORS

SIGNAL	DC(+)	GND
YEL	ORG	BLU
CLR	RED	BLK
WHT	RED	BLK





VEHICLE SIGNALS

SIGNAL	TERMINAL ←G	←Y	←R	G	Y	R
1-1	201	203	205			
1-2	202	204	206			
2-1				207	209	211
2-2				208	210	212
2-3				207	209	211
4-1				219	221	223
4-2				220	222	224
4-3				219	221	223
5-1	225	227	229			
5-2	226	228	230			
6-1				231	233	235
6-2				232	234	236
6-3				231	233	235
8-1				243	245	247
8-2				244	246	248
8-3				243	245	247

VEH DETECTORS

DET	TERMINAL
1-1	301-302
1-2	304-305
2-1	325-326
4-1	337-338
4-2	340-341
5-1	313-314
5-2	316-317
6-1	328-329
8-1	349-350
8-2	352-353

PED SIGNALS

SIGNAL	TERMINAL YK	DW
P2-1	249	250
P2-2	253	254
P4-1	255	256
P4-2	259	260
P6-1	261	262
P6-2	265	266
P8-1	267	268
P8-2	271	272

PED PUSHBUTTONS

PPB	TERMINAL
PB2-1,2	311
PB4-1,2	312
PB6-1,2	323
PB8-1,2	324

Shop

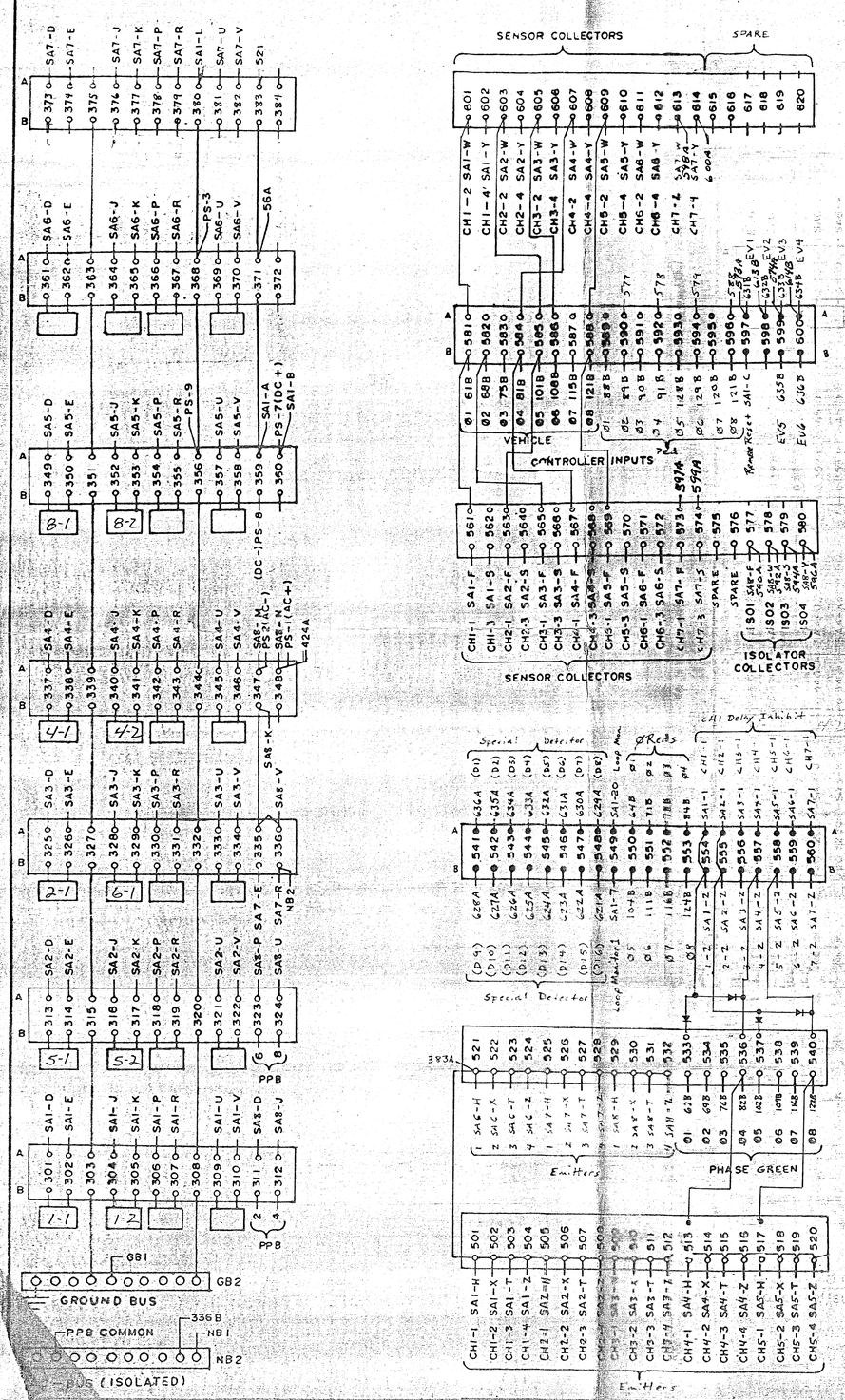
Univ./#51 & 105th Ave

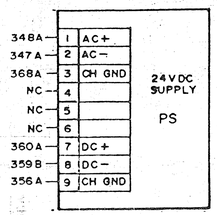
MINNESOTA DEPARTMENT OF TRANSPORTATION
8Q CABINET FACILITY

MN 9000

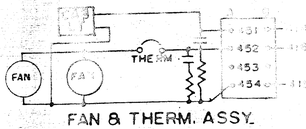
SUPPLIED BY RIDDLE CONTROLS INC.

ENGINEER R.R.	REV	ORDER	DATE
DRAFTSMAN	REV	DWG NO.	
APPR.	MNDOT BTP		PAGE 1 OF 3



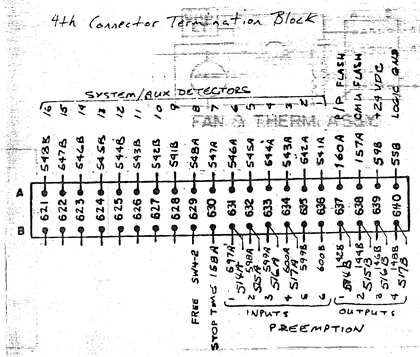


FUNCTIONS-
1-CALL 4 EXTEND
2-CALL ONLY
3-EXTEND ONLY
4-CALL ONLY DENS
5-DLY CALL ONLY
6-DLY CALL ONLY DENSITY
7-DLY CALL (IMMED EXTEND
8-CARRY OVER
9-ADVISORY
10-SAMPLING
11-SPECIAL-SEE NOTE-
DELAY CALC IMD. EXT.
IMD. CALC Ø 4 4B



FAN & THERM. ASSY.

4th Connector Termination Block



DETECTOR RACK CARD EDGE HARNESS-TYPICAL

(ONE HARNESS FOR EACH FOUR CHANNEL POSITION)

CARD EDGE PIN	HARNESS PIN	COLOR CODE 22 GAUGE	FUNCTION
1	1	WHITE/RED	CH1 TIMER INHIBIT
2	2	RED	CH2 TIMER INHIBIT
D-4	3	BROWN	CH1 LOOP
E-5	4	WHITE/BROWN	CH1 LOOP
F-6	5	WHITE/BLUE	CH1 OUT (+)
H	6	BLUE	CH1 OUT (−)
J-8	7	BLACK/RED	CH2 LOOP
K-9	8	BLACK/WHITE	CH2 LOOP
P-13	9	ORANGE	CH3 LOOP
R-14	10	WHITE/ORANGE	CH3 LOOP
S	11	WHITE/GREY	CH3 OUT (+)
T	12	GREY	CH3 OUT (−)
U-17	13	YELLOW	CH4 LOOP
V-18	14	WHITE/YELLOW	CH4 LOOP
W	15	WHITE/VIOLET	CH2 OUT (+)
X	16	VIOLET	CH2 OUT (−)
Y	17	WHITE/GREEN	CH4 OUT (+)
Z	18	WHITE/BLACK	CH4 OUT (−)

THE FOLLOWING 20 GAUGE WIRES ARE SOLDERED TO TERMINALS ON THE BACK OF THE DETECTOR RACK

L	GREEN	EARTH GND
M-11	WHITE	AC NEUTRAL
N-12	BLACK	120 VAC+
B	RED	24VDC+
A	BLACK/YELLOW	24VDC−
C	BLACK/BLUE	RESET
7	YELLOW	MONITOR 1
20	ORANGE	MONITOR 2

DETECTORS AND PPB ISOLATION

PIN	RACK HARNESS SA-PIN		SA1 PHASE	SA1 FUNC	SA1 DET	SA2 PHASE	SA2 FUNC	SA2 DET	SA3 PHASE	SA3 FUNC	SA3 DET	SA4 PHASE	SA4 FUNC	SA4 DET	SA5 PHASE	SA5 FUNC	SA5 DET	SA6 PHASE	SA6 FUNC	SA6 DET	SA7 PHASE	SA7 FUNC	SA7 DET	SA8 PPB ISOLATION PHASE		
		CH1	1	1/2	1-1	5	1/2	5-1	2	1	2-1	4	1/2	4-1	8	1/2	8-1							2		
		CH2	1	1/2	1-2	5	1/2	5-2	6	1	6-1	4	7	4-2	8	7	8-2							4		
		CH3																						6		
		CH4																						8		
		MODEL		222T			222T			222			222T			222T								T-400A	MODEL	
—	A	DC GROUND	359A																						SPARE	A
—	B	24V DC+	360A																						SPARE	B
—	C	REMOTE RESET	B																						SPARE	C
3	D-4	CH1 LOOP	301A		313A			325A			337A			349A			361A			373A				311A	INPUT CH1	D
4	E-5	CH1 LOOP	302A		314A			326A			338A			350A			362A			374A				335B	INPUT COMMON	E
5	F	CH1 OUTPUT (+)	561		563			565			567			569			571			573				577	OUTPUT CH1 (+)	F
6	H	CH1 OUTPUT (−)	501		503			509			513			517			521			525				529	OUTPUT CH1 (−)	H
7	J-8	CH2 LOOP	304A		316A			328A			340A			352A			364A			376A				312A	INPUT CH2	J
8	K-9	CH2 LOOP	305A		317A			329A			341A			353A			365A			377A				347B	INPUT COMMON	K
—	L	CHASSIS GROUND	380A																						CHASSIS GROUND	L
—	M	SPARE	NC			NC			NC			NC			NC			SA7			SA6/SA8			SA7/347A	AC−	M
—	N	SPARE	NC			NC			NC			NC			NC			SA7			SA6/SA8			SA7/348A	115V AC+	N
11	P-13	CH3 LOOP	306A		318A			330A			342A			354A			366A			378A				323A	INPUT CH3	P
12	R-14	CH3 LOOP	307A		319A			331A			343A			355A			367A			379A				336B	INPUT COMMON	R
13	S	CH3 OUTPUT (+)	562		564			566			568			570			572			574				579	OUTPUT CH3 (+)	S
14	T	CH3 OUTPUT (−)	503		507			511			515			519			523			527				531	OUTPUT CH3 (−)	T
15	U-17	CH4 LOOP	309A		321A			333A			345A			357A			369A			381A				324A	INPUT CH4	U
16	V-18	CH4 LOOP	310A		322A			334A			346A			358A			370A			382A				336A	INPUT COMMON	V
9	W	CH2 OUTPUT (+)	601		603			605			607			609			611			613				578	OUTPUT CH2 (+)	W
10	X	CH2 OUTPUT (−)	502		506			510			514			518			522			526				530	OUTPUT CH2 (−)	X
17	Y	CH4 OUTPUT (+)	602		604			606			608			610			612			614				580	OUTPUT CH4 (+)	Y
18	Z	CH4 OUTPUT (−)	504		508			512			516			520			524			528				532	OUTPUT CH4 (−)	Z
1	1	CH1 GREEN	554A		555A			556A			557A			558A			559A			560A					SPARE	
2	2	CH2 GREEN	554B		555B			556B			557B			558B			559B			560B					SPARE	
—	7	MONITOR 1	549B																						SPARE	
—	20	MONITOR 2	549A																						SPARE	

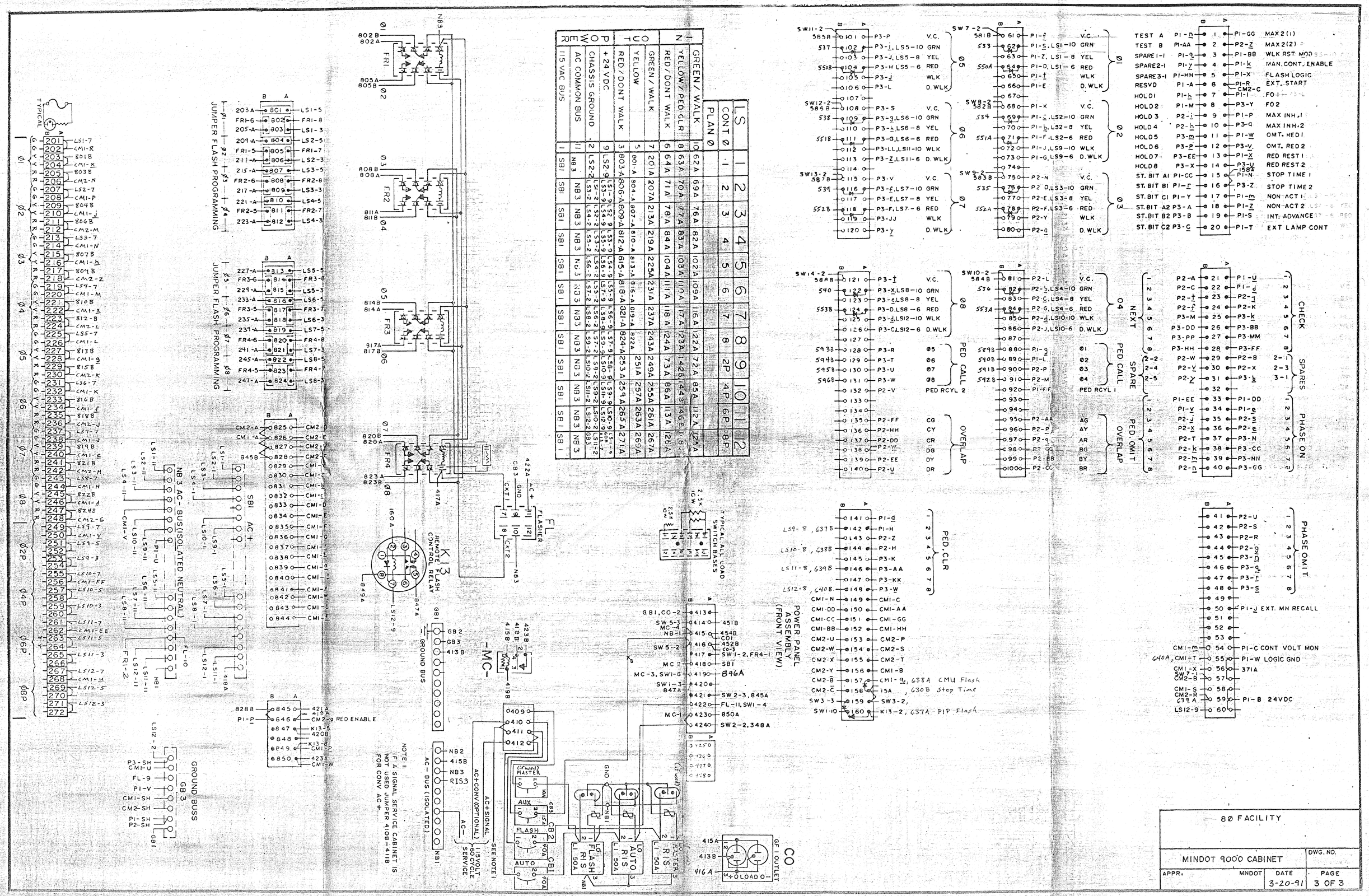
8 Q FACILITY

BTP

MINDOT 9000 CABINET

DWG NO.

APPR | MNDOT | DATE | PAGE 2 OF 3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PLAN Ø CONT Ø .1 2 3 4 5 6 7 8 2P 4P 6P 8P
INPUT
GREEN/WALK 10 62A 69A 76A 82A 102A 109A 116A 122A 85A 112A 129A
YELLOW/PED CLR 8 63A 70A 77A 83A 103A 110A 117A 123A 142B 143B 146B 128A
RED/DONT WALK 6 64A 71A 78A 84A 104A 111A 118A 124A 73A 86A 113A
GREEN/WALK 7 201A 207A 213A 219A 225A 231A 237A 243A 249A 255A 261A 267A
YELLOW 5 801-A 804-A 807-A 810-A 813-A 816-A 819-A 822A 251A 257A 263A 269A
RED/DONT WALK 3 803-A 806-A 809-A 812-A 815-A 818-A 821-A 824-A 253A 259A 265A 271A
POWER
+24 VDC 9 LS2-9 LS1-9 LS3-9 LS4-9 LS5-9 LS6-9 LS7-9 LS8-9 LS9-9 LS10-9 LS11-9 LS12-9
CHASSIS GROUND 2 LS2-2 LS1-2 LS3-2 LS4-2 LS5-2 LS6-2 LS7-2 LS8-2 LS9-2 LS10-2 LS11-2 LS12-2
AC COMMON BUS 11 NB3 NB3 NB3 NB3 NB3 NB3 NB3 NB3 NB3 NB3 NB3 NB3
115 VAC BUS 1 SB1 SB1 SB1 SB1 SB1 SB1 SB1 SB1 SB1 SB1 SB1 SB1
SW11-2 SW12-2 SW13-2 SW14-2 SW7-2 SW8-2 SW9-2 SW10-2
Ø5 Ø6 Ø7 Ø8 Ø1 Ø2 Ø3 Ø4
PED CALL 2 PED RCYL 2 PED CALL 1 PED RCYL 1
OVERLAP
NEXT SPARE
PED. OMIT
CHECK SPARES PHASE ON
PHASE OMIT
PED. CLR
TEST A TEST B SPARE1-1 SPARE2-1 SPARE3-1 RESVD HOLD1 HOLD2 HOLD3 HOLD4 HOLD5 HOLD6 HOLD7 HOLD8 ST. BIT A1 ST. BIT B1 ST. BIT C1 ST. BIT A2 ST. BIT B2 ST. BIT C2
MAX 2(1) MAX 2(2) WLK RST MOD MAN. CONT. ENABLE FLASH LOGIC EXT. START FO1 FO2 MAX INH.1 MAX INH.2 OMT. RED1 OMT. RED2 RED REST1 RED REST2 STOP TIME 1 STOP TIME 2 NON ACT 1 NON ACT 2 INT. ADVANCE EXT LAMP CONT
PHASE OMIT
EXT. MN RECALL
CMU Flash
Stop Time
PIP Flash
TYPICAL
JUMPER FLASH PROGRAMMING
NB3 AC- BUS (ISOLATED NEUTRAL)
SB1 AC+
GROUND BUSS GB3
REMOTE FLASH CONTROL RELAY K13
FL FLASHER
TYPICAL ALL LOAD SWITCH BASES
POWER PANEL ASSEMBLY (FRONT VIEW)
-MC-
GROUND BUS
RED ENABLE
(if used) MASTER
AUX
FLASH
AUTO
CB1 CB2 CB3
LO FLASH RIS 50A
LO AUTO RIS 50A
MASTER RIS 50A
AC+ CONV (OPTIONAL)
AC+ SIGNAL
115 VOLT 60 CYCLE SERVICE
SEE NOTE 1
NOTE 1
IF A SIGNAL SERVICE CABINET IS NOT USED JUMPER 410B-411B FOR CONV AC+
CO GF I OUTLET
80 FACILITY
MINDOT 9000 CABINET
DWG. NO.
APPR.
MNDOT
DATE 3-20-91
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