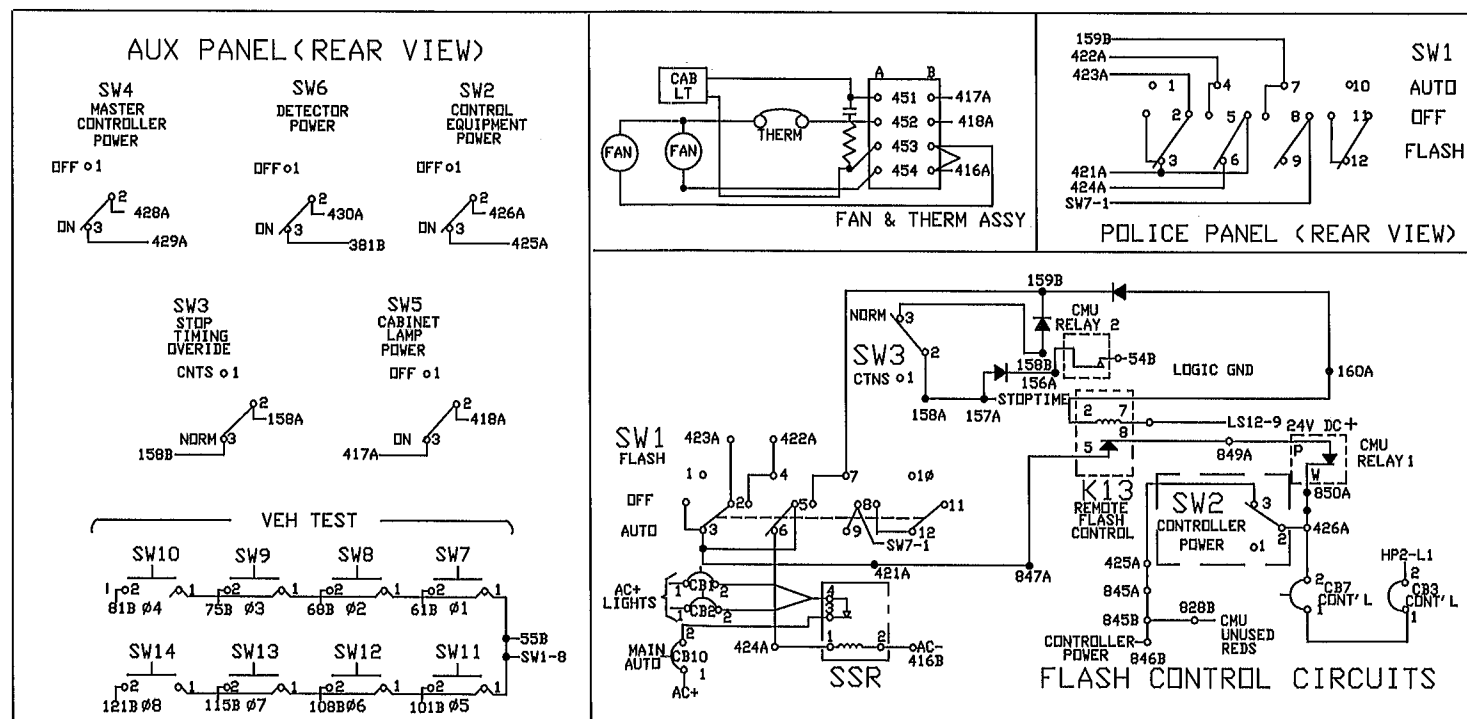
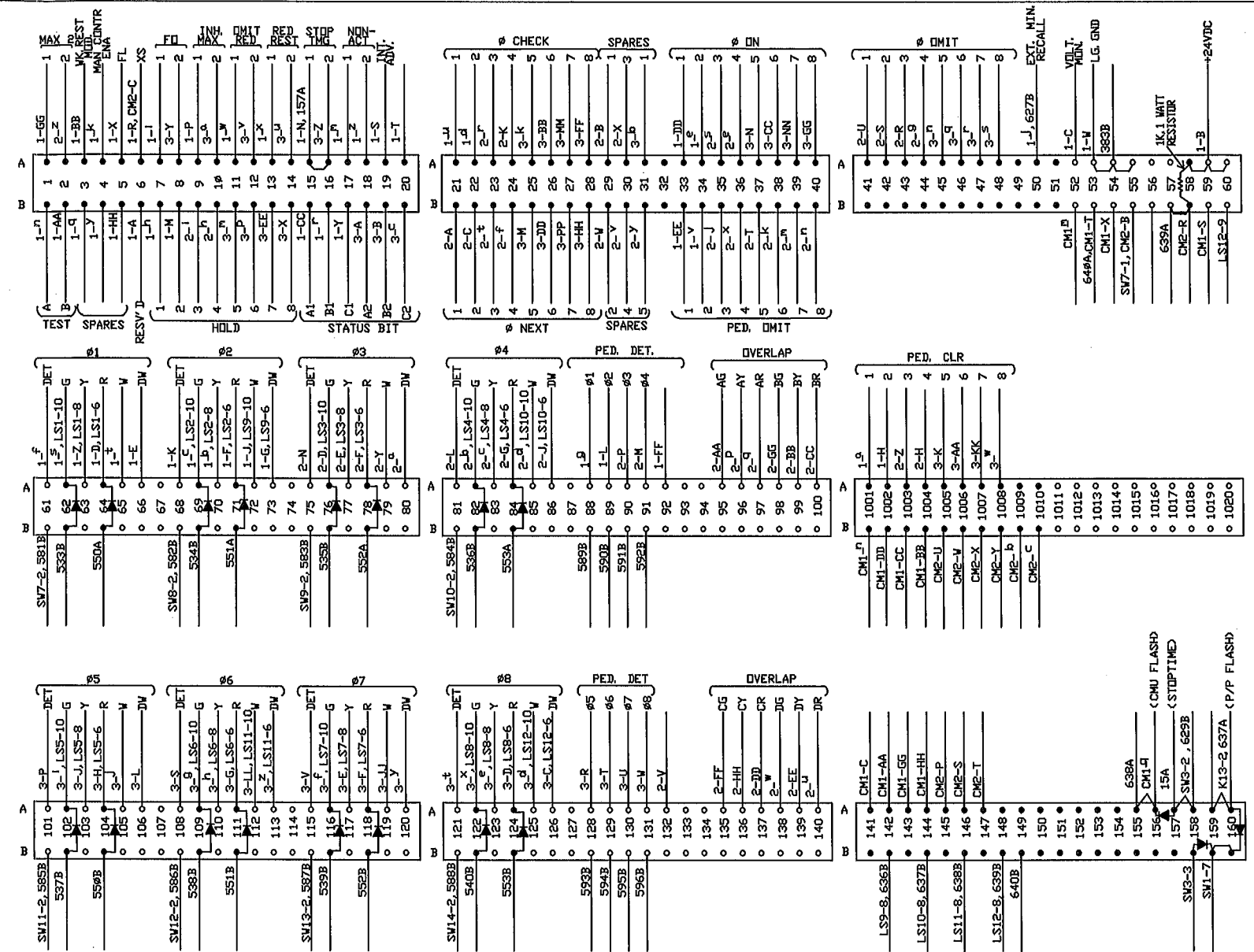
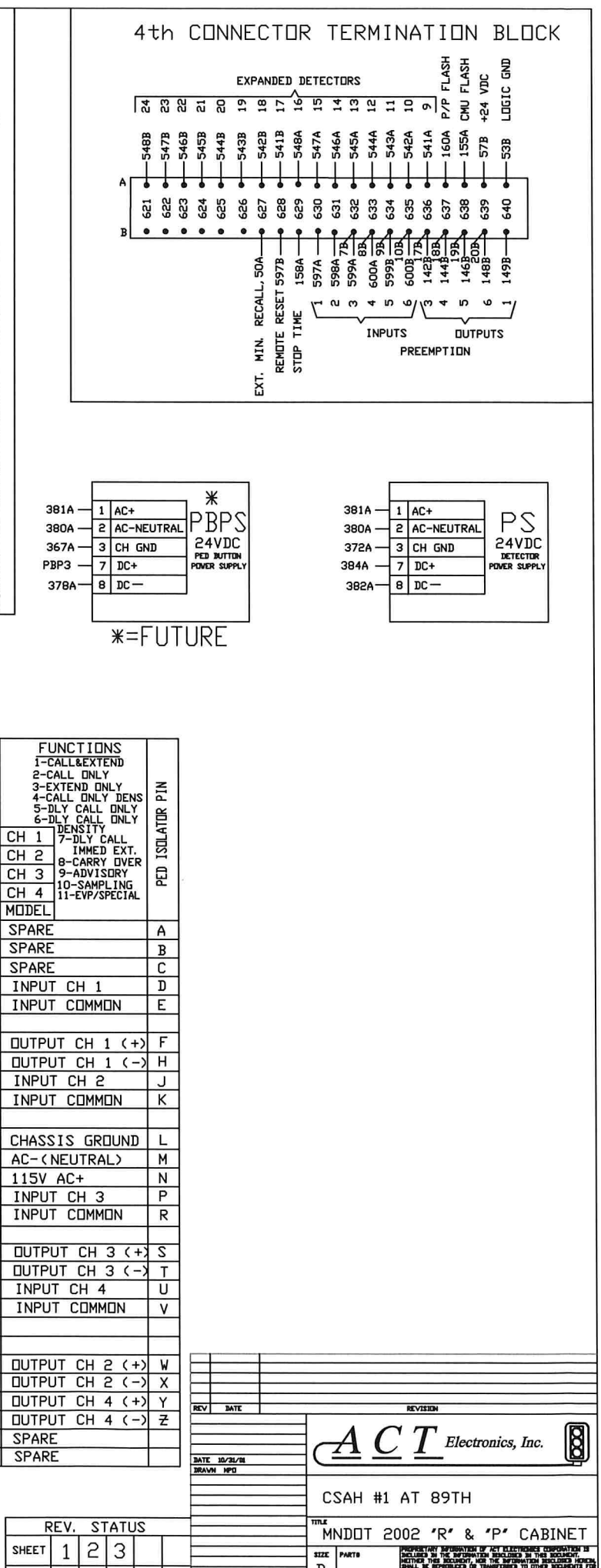
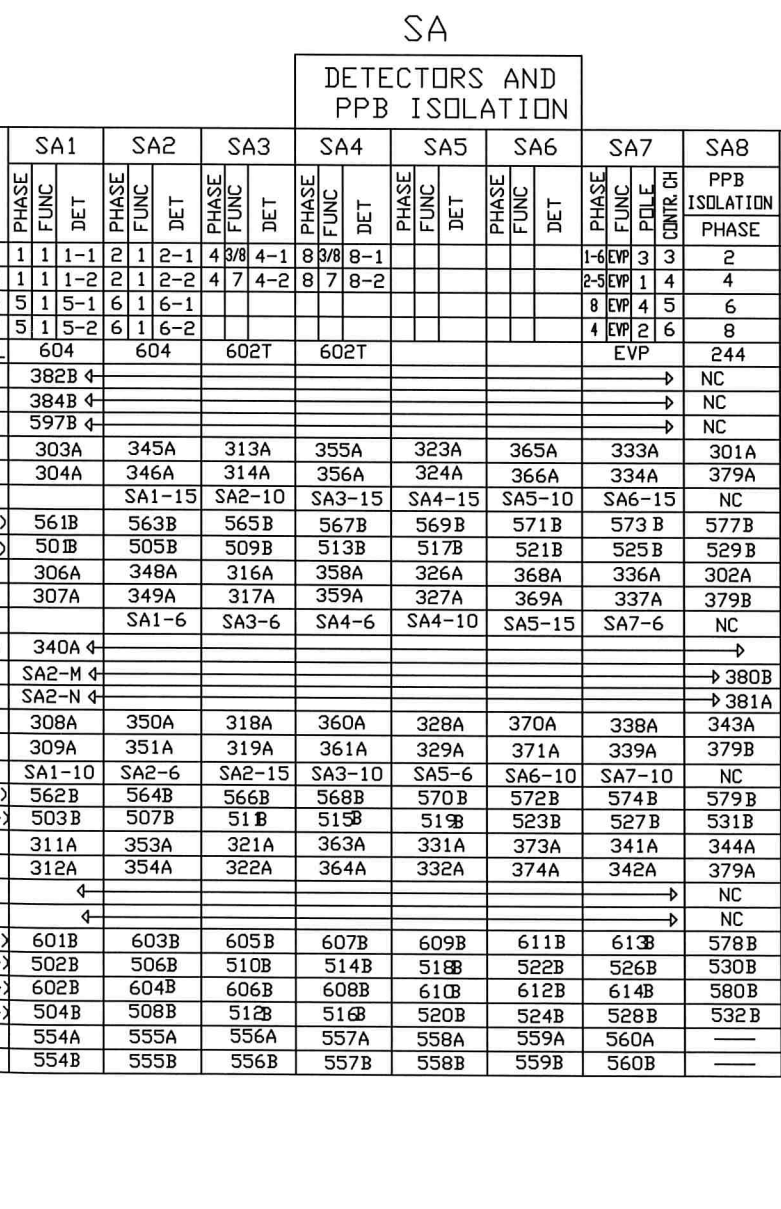
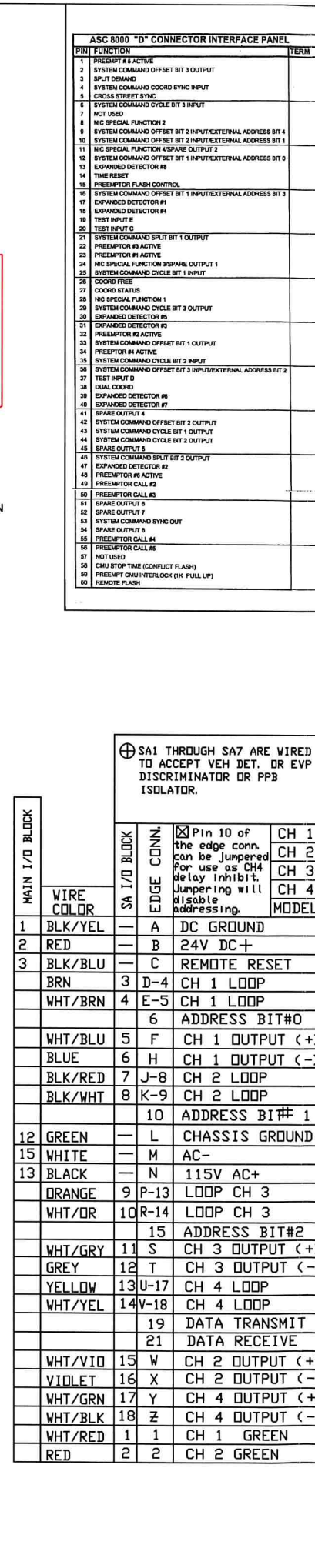
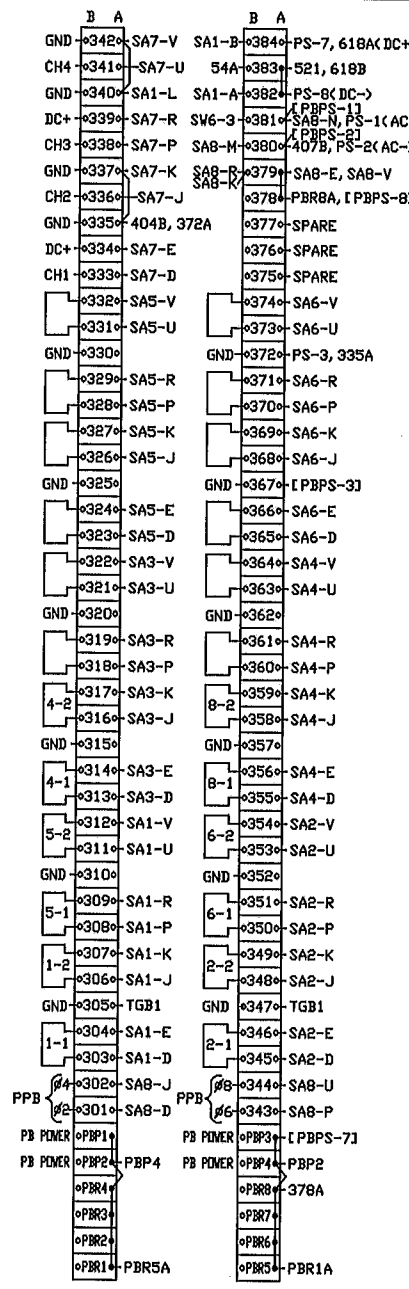


1	2	3
SHI SHELL GROUND	1-V	
A1 RESV.	6B	
B1 24VDC+	59A	
C1 VOLTAGE MONITOR	52A	
D1 #1 RED	64A	
E1 #1 DWK	66A	
F1 #2 RED	71A	
G1 #2 DWK	73A	
H1 #2 PCL	1002A	
J1 #2 VK	72A	
K1 #2 VEH DET	68A	
L1 #2 PED DET	89A	
M1 #2 HOLD	8B	
N1 STOP TIMING 1	15A	
P1 INHIBIT MAX TERM 1	9A	
R1 EXTERNAL START	6A	
S1 INTERVAL ADVANCE	19A	
T1 INDICATOR LAMP CNT	20A	
U1 AC- NEUTRAL	NB1	
V1 CHASSIS GROUND	GB1	
W1 LOGIC GROUND	53A	
X1 FLASH LOGIC OUT	5A	
Y1 STATUS BIT C1	17B	
Z1 #1 YEL	63A	
a1 #1 PCL	1001A	
b1 #2 YEL	70A	
c1 #2 GRN	69A	
d1 #2 CHECK	22A	
e1 #2 PHASE ON	34A	
f1 #1 VEH DET	61A	
g1 #1 PED DET	88A	
h1 #1 HOLD	7B	
i1 FORCE OFF 1	7A	
j1 EXT MIN RECALL ALL	50A	
k1 MAN. CONTROL ENABLE	4A	
l1 CALL TO NON-ACT I	17A	
m1 TEST INPUT A	1B	
n1 AC+ CONTROL	846B	
o1 SPARE 1	3B	
p1 STATUS BIT B1	16B	
q1 #1 GRN	62A	
r1 #1 VK	65A	
s1 #1 CHECK	21A	
t1 #2 PED OMIT	34B	
u1 OMIT RED CLR	11A	
w1 RED REST MODE 1	13A	
y1 SPARE 2	4B	
z1 CALL TO NON-ACT II	18A	
AA1 TEST INPUT B	2B	
BB1 WALK REST MODIFIER	3A	
CC1 STATUS BIT A1	15B	
DD1 #1 PHASE ON	33A	
EE1 #1 PED OMIT	33B	
FF1 PED RECYCLE 1	92A	
GG1 MAX 2 SELECT	1A	
HH1 SPARE 3	5B	
AI #1 PHASE NEXT	21B	
BI SPARE 1	29A	
CI #2 PHASE NEXT	22B	
DI #3 GRN	76A	
EI #3 YEL	77A	
FI #3 RED	78A	
GI #4 RED	84A	
HI #4 PCL	1004A	
J1 #4 DWK	86A	
K1 #4 CHECK	24A	
L1 #4 VEH DET	81A	
M1 #4 PED DET	91A	
N1 #3 VEH DET	75A	
P1 #3 PED DET	90A	
R1 #3 PHASE OMIT	43A	
S1 #2 PHASE OMIT	42A	
T1 #5 PED OMIT	37B	
U1 #1 PHASE OMIT	41A	
V1 PED RECYCLE 2	132A	
W1 SPARE 2	29B	
X1 SPARE 3	30A	
Y1 #3 VK	79A	
Z1 #3 PCL	1003A	
a1 #3 DWK	80A	
b1 #4 GRN	82A	
c1 #4 YEL	83A	
d1 #4 WALK	85A	
e1 #4 PHASE ON	36A	
f1 #4 PHASE NEXT	24B	
g1 #4 PHASE OMIT	44A	
h1 #4 HOLD	10B	
i1 #3 HOLD	9B	
j1 #3 PED OMIT	35B	
k1 #6 PED OMIT	38B	
l1 #7 PED OMIT	39B	
m1 #8 PED OMIT	40B	
n1 CL A YEL	96A	
o1 CL A RED	97A	
q1 #3 CHECK	23A	
s1 #3 PHASE ON	35A	
t1 #3 PHASE NEXT	23B	
u1 CL D RED	140A	
v1 SPARE 4	30B	
w1 CL D GRN	138A	
x1 #4 PED OMIT	36B	
y1 SPARE 5	31B	
z1 MAX 2 SELECT 2	2A	
AA1 CL A GRN	95A	
BB1 CL B YEL	99A	
CC1 CL B RED	100A	
DD1 CL D RED	137A	
EE1 CL D YEL	139A	
FF1 CL C GRN	135A	
GG1 CL B GRN	98A	
HH1 CL C YEL	136A	
AI STATUS BIT A2	10B	
BI STATUS BIT B2	19B	
CI #8 DWK	126A	
DI #8 RED	124A	
E1 #7 YEL	117A	
F1 #7 RED	118A	
G1 #6 RED	111A	
H1 #5 RED	104A	
J1 #5 YEL	103A	
K1 #5 PCL	1005A	
L1 #5 DWK	106A	
M1 #5 PHASE NEXT	25B	
N1 #5 PHASE ON	37A	
P1 #5 VEH DET	101A	
R1 #5 PED DET	128A	
S1 #6 VEH DET	109A	
T1 #6 PED DET	129A	
U1 #7 PED DET	130A	
V1 #8 PED DET	115A	
X1 #8 HOLD	131A	
Y1 FORCE OFF 2	14B	
Z1 STOP TIME 2	8A	
a1 INHIBIT MAX TERM 2	16A	
b1 SPARE 1	10A	
c1 STATUS BIT C2	31A	
d1 #8 VK	125A	
e1 #8 YEL	123A	
f1 #7 GRN	116A	
g1 #6 GRN	109A	
h1 #6 YEL	110A	
i1 #5 GRN	102A</	

[illegible]



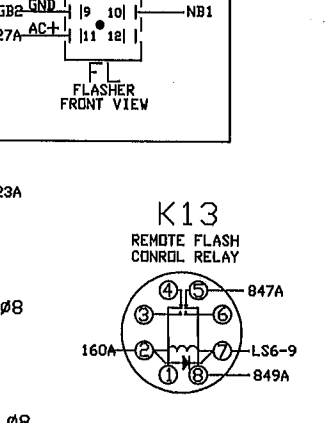
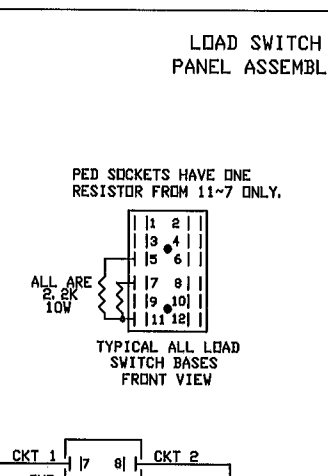
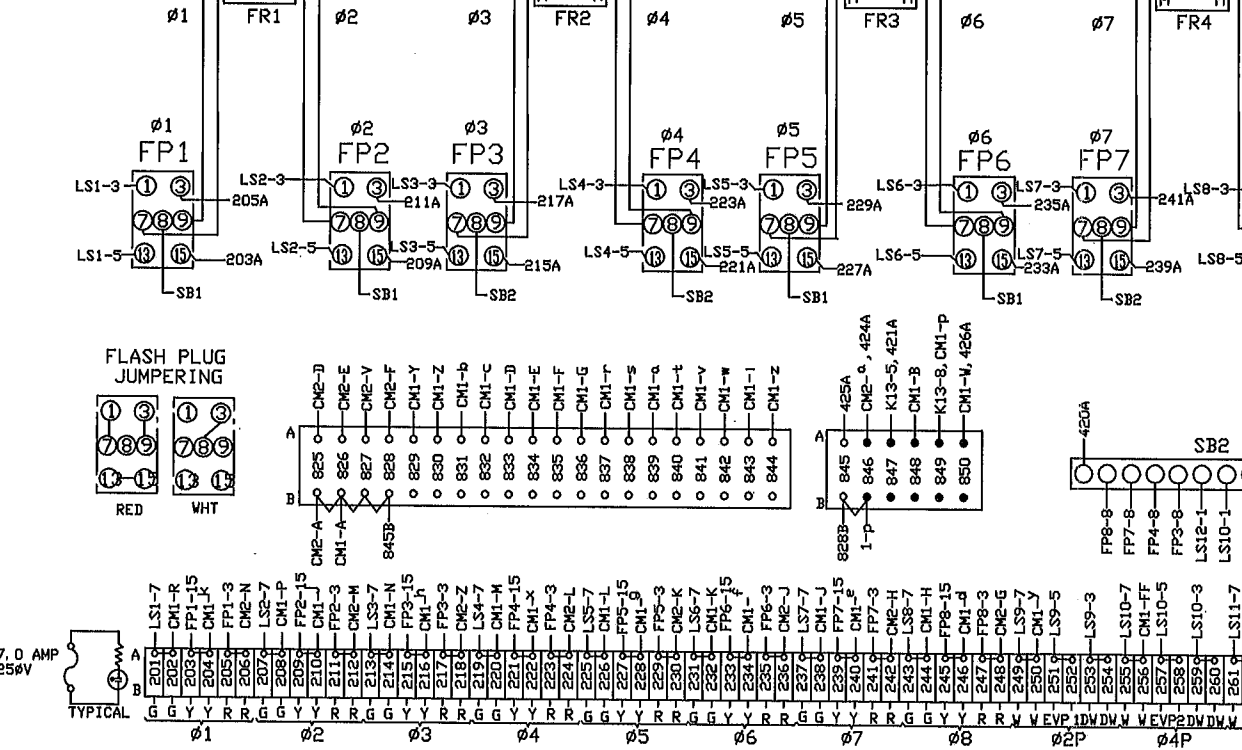


NOTES: 1. PED BUTTON RETURNS MUST BE TERMINATED AT PB1-PB8.
2. JUMPERS 335A-337A AND 340A-342A ARE TO BE ADDED AS NEEDED FOR EVF.
3. 305, 310, 315, 320, 325, 330, 335, 340, 347, 352, 357, 362, 367 AND 372 ARE INTERCONNECTED BY THE MOUNTING RAIL.
4. I J-FUTURE CONNECTIONS FOR POWER SUPPLY TO SENSITOUCH PPB'S.

LS
CONT
PLAN

LS	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CONT	1	2	3	4	5	6	7	8	2P	4P	6P	8P		
PLAN	1	2	3	4	5	6	7	8	2P	4P	6P	8P		
GREEN / WALK	10	62A	69A	76A	82A	102A	109A	116A	122A	72A	85A	112A	125A	
YELLOW/PED CLR	8	63A	70A	77A	83A	103A	110A	117A	123A	142B	144B	146B	148B	
RED/DON'T WALK	6	64A	71A	78A	84A	104A	111A	118A	124A	73A	86A	113A	126A	
GREEN / WALK	7	201A	207A	213A	219A	225A	231A	237A	243A	249A	255A	261A	267A	
YELLOW	5	FP1-13	FP2-13	FP3-13	FP4-13	FP5-13	FP6-13	FP7-13	FP8-13	251A	257A	263A	269A	
RED/DON'T WALK	3	FP1-1	FP2-1	FP3-1	FP4-1	FP5-1	FP6-1	FP7-1	FP8-1	253A	259A	265A	271A	
+24 VDC	9													60B
CHASSIS GROUND	2													GB1
AC NEUTRAL	11	NB1	NB1	NB1	NB1	NB1	NB1	NB1	NB1	NB1	NB1	NB1	NB1	NB1
115 VAC	1	SB1	SB1	SB2	SB2	SB1	SB1	SB2	SB2	SB1	SB2	SB1	SB2	SB1

NOTE:
FLASH TRANSFER
RELAYS SHOWN
DE-ENERGIZED (FLASH)
POSITION.



NEMA 12CH CONFLICT MONITOR	
CM1	CM2
SHL SHELL GROUND	GB1
A1 AC+ I	826B
B1 RELAY 1 NO	848A
C1 RELAY 2 NC	141A
D1 CH 12 GRN	833A
E1 CH 11 GRN	834A
F1 CH 10 GRN	835A
G1 CH 9 GRN	836A
H1 CH 8 GRN	244A
J1 CH 7 GRN	238A
K1 CH 6 GRN	232A
L1 CH 5 GRN	226A
M1 CH 4 GRN	220A
N1 CH 3 GRN	214A
P1 CH 2 GRN	208A
R1 CH 1 GRN	202A
S1 +24V MONITOR I	59B
T1 LOGIC GROUND	53B
U1 CHASSIS GROUND	53B
V1 AC-(NEUTRAL)	SHELL
W1 RELAY 1 COMMON(AC)	NB1
X1 RELAY 2 COMMON (LG)	550A
Y1 CH 12 YEL	54B
Z1 CH 11 YEL	829A
a1 CH 10 YEL	830A
b1 CH 9 YEL	839A
c1 CH 8 YEL	831A
d1 CH 7 YEL	832A
e1 CH 6 YEL	246A
f1 CH 5 YEL	240A
g1 CH 4 YEL	234A
h1 CH 3 YEL	228A
i1 CH 2 YEL	216A
j1 CH 1 YEL	843A
k1 CH 12 YEL	210A
l1 CH 11 YEL	204A
m1 CONT. VOLT. MON.	52B
n1 +24V MONITOR INHIBIT	1001B
p1 RELAY 1 NC	849A
q1 RELAY 2 NO	156A
r1 CH 12 WK	837A
s1 CH 11 WK	838A
t1 CH 10 WK	840A
u1 CH 9 WK	268A
v1 CH 8 WK	841A
w1 CH 7 WK	842A
x1 CH 6 WK	222A
y1 CH 5 WK	250A
z1 CH 4 WK	844A
aa1 SPARE 1	142A
bb1 RESET	1004B
cc1 CAB INTERLOCK A	1003B
dd1 CAB INTERLOCK B	1002B
ee1 CH 6 WK	262A
ff1 CH 4 WK	256A
gg1 SPARE 2	143A
hh1 SPARE 3	144A

CONFLICT MONITOR MATRIX											
PROGRAMMING INSTRUCTIONS											
-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	
-3	2-4	3-5	4-6	5-7	6-8	7-9	8-10	9-11	10-12		
-4	2-5	3-6	4-7	5-8	6-9	7-10	8-11	9-12			
-5	2-6	3-7	4-8	5-9	6-10	7-11	8-12				
-6	2-7	3-8	4-9	5-10	6-11	7-12			CH5- <u>0</u> <u>5</u>		
-7	2-8	3-9	4-10	5-11	6-12				CH6- <u>0</u> <u>6</u>		
-8	2-9	3-10	4-11	5-12					CH7- <u>0</u> <u>7</u>		
-9	2-10	3-11	4-12						CH8- <u>0</u> <u>8</u>		
-10	2-11	3-12									
-11	2-12										
-12											
					CH1- <u>0</u> <u>1</u>				CH9- <u>0</u> <u>9</u>		
					CH2- <u>0</u> <u>2</u>				CH10- <u>0</u> <u>10</u>		
					CH3- <u>0</u> <u>3</u>				CH11- <u>0</u> <u>11</u>		
					CH4- <u>0</u> <u>4</u>				CH12- <u>0</u> <u>12</u>		
CHANNEL-0 COMBINATIONS NOT PINNED WITH MATRIX JUMPERS CONSTITUTE CONFLICTING MOVEMENTS. IN PROGRAM, CIRCLE PERMISSIVE											