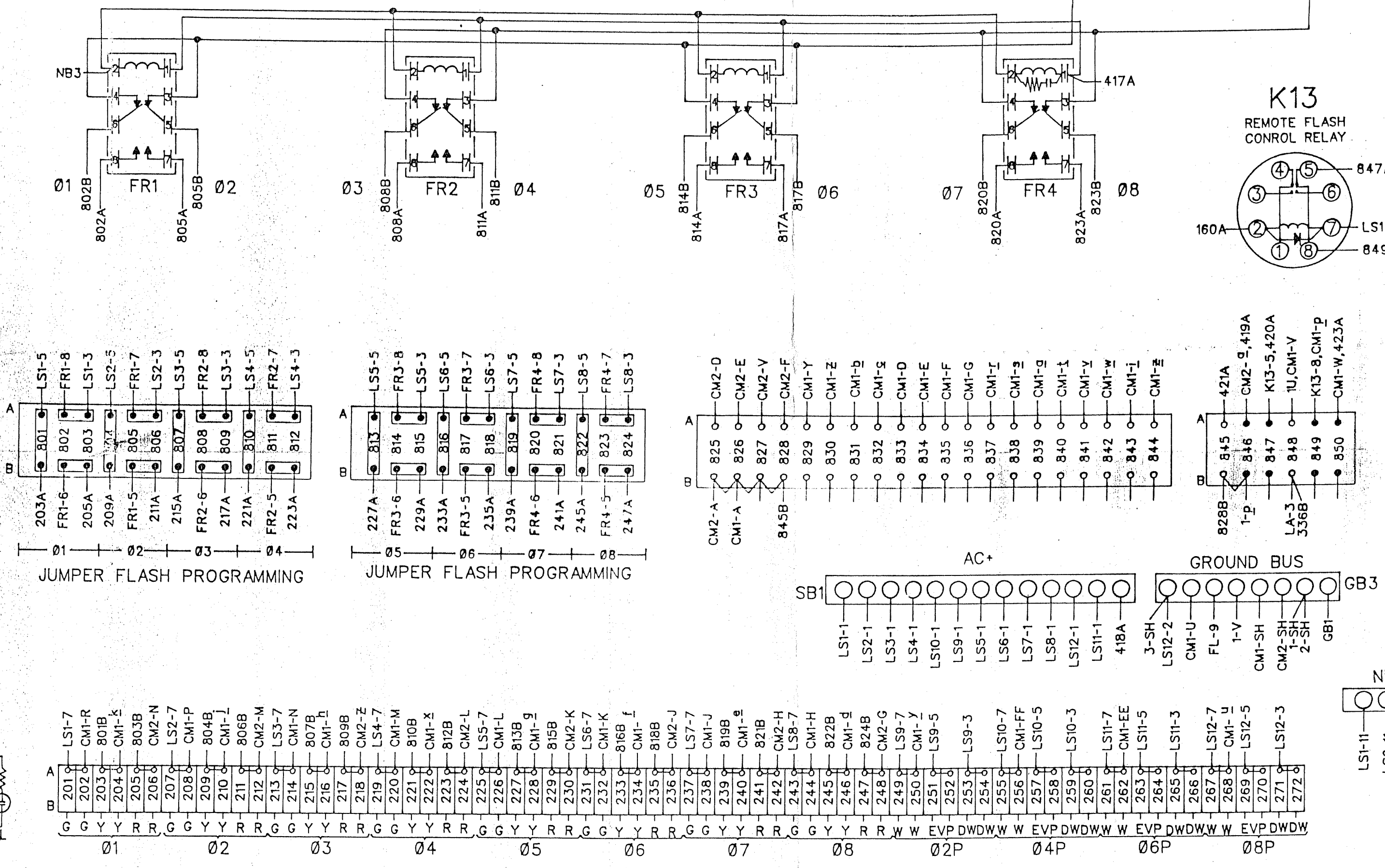


		LS	1	2	3	4	5	6	7	8	9	10	11	12
		CONT 0	1	2	3	4	5	6	7	8	2P	4P	6P	8P
		PLAN 0												
IN	GREEN / WALK	10	62A	69A	76A	82A	102A	109A	116A	122A	72A	85A	112A	125A
	YELLOW/PED CLR	8	63A	70A	77A	83A	103A	110A	117A	123A	142B	144B	146B	148B
	RED/DON'T WALK	6	64A	71A	78A	84A	104A	111A	118A	124A	73A	86A	113A	126A
OUT	GREEN / WALK	7	201A	207A	213A	219A	225A	231A	237A	243A	249A	255A	261A	267A
	YELLOW	5	801A	804A	807A	810A	813A	816A	819A	822A	251A	257A	263A	269A
	RED/DON'T WALK	3	803A	806A	809A	812A	815A	818A	821A	824A	253A	259A	265A	271A
POWER	+24 VDC	9	LS2-9	LS1-9 LS3-9	LS2-9 LS4-9	LS3-9 LS5-9	LS4-9 LS6-9	LS5-9 LS7-9	LS6-9 LS8-9	LS7-9 LS9-9	LS8-9 LS10-9	LS9-9 LS11-9	LS10-9 LS12-9	LS11-9 60B 617
	CHASSIS GROUND	2	LS2-2	LS1-2 LS3-2	LS2-2 LS4-2	LS3-2 LS5-2	LS4-2 LS6-2	LS5-2 LS7-2	LS6-2 LS8-2	LS7-2 LS9-2	LS8-2 LS10-2	LS9-2 LS11-2	LS10-2 LS12-2	LS11-2 6B3
	AC COMMON	11	NB3	NB3	NB3	NB3	NB3	NB3	NB3	NB3	NB3	NB3	NB3	NB3
	115 VAC	1	SB1	SB1	SB1	SB1	SB1	SB1	SB1	SB1	SB1	SB1	SB1	SB1



VEHICLE SIGNALS				
SIGNAL	B	Y	R	W
2-1	201	203	205	
2-2	202	204	206	
4-1	219	221	223	
4-2	220	222	224	
6-1	231	233	235	
6-2	232	234	236	
8-1	243	245	247	
8-2	244	246	248	
1-1	203	205	201	
5-1		227	229	225

VEH DETECTORS				
DET	TERMINAL			
D1-1	301	302		
D2-1	313	314		
D2-2	316	317		
D4-1	325	326		
D4-2	327	328		
D5-1	337	338		
D5-2	339	340		
D8-1	328	329		
D8-2	340	341		
D6-1	318	319		
D6-2	321	322		

PED SIGNALS				
SIGNAL	WK	DW		
P2-1	249	253		
P2-2	250	254		
P4-1	253	257		
P4-2	256	260		
P6-1	261	265		
P6-2	262	266		

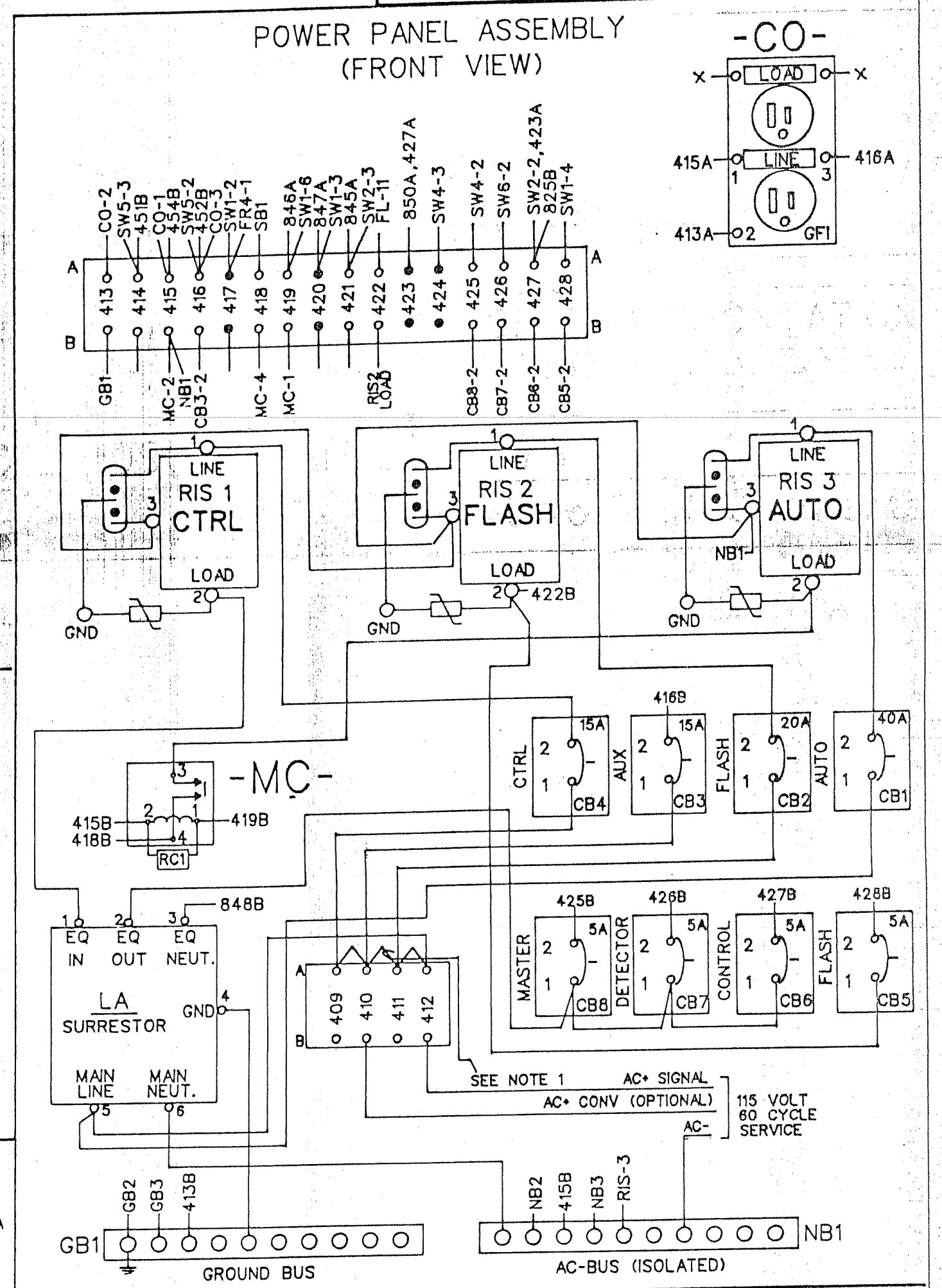
PED PUSHBUTTONS				
PPB	TERMINAL			
PB2-1,2	311			
PB4-1,2	312			
PB6-1,2	323			

EVP SENSORS				
CONTR. CHAN.	PHASES	POLE#	SIGNAL	DC(+)
1	1-6		373	374
2	2-5		376	377
3	4-8		378	379

NEMA 12CH CONFLICT MONITOR	
CM1	
SHL SHELL GROUND	GB3
AC 1	826D
RELAY 1 NO	156A
RELAY 2 NC	149A
CH 12 GRN	833A
CH 11 GRN	834A
CH 9 GRN	835A
CH 8 GRN 08	836A
CH 7 GRN 07	244A
CH 6 GRN 06	238A
CH 5 GRN 05	232A
CH 4 GRN 04	226A
CH 3 GRN 03	220A
CH 2 GRN 02	214A
CH 1 GRN 01	208A
24 MONITOR	202A
LOGIC GROUND	55B
CHASSIS GROUND	55B
AC	848A
RELAY 1 COMMON (AC)	850A
RELAY 2 COMMON (LG)	56B
CH 12 YEL	829A
CH 11 YEL	830A
CH 10 YEL	839A
CH 9 YEL	831A
CH 8 YEL 08	832A
CH 7 YEL 07	246A
CH 6 YEL 06	240A
CH 5 YEL 05	234A
CH 4 YEL 04	228A
CH 3 YEL 03	216A
CH 2 YEL 02	843A
CH 1 YEL 01	210A
CONT. VOLT. MON.	204A
24V MONITOR INHIBIT	54B
RELAY 1 NO	149B
RELAY 2 NC	849A
CH 12 WK	157A
CH 9 WK	837A
CH 8 WK 08	838A
CH 7 WK	840A
CH 6 WK 06	268A
CH 5 WK	841A
CH 4 WK 04	842A
CH 3 WK 03	222A
CH 2 WK 02	250A
CH 1 WK	844A
SPARE 1	150A
RESET	152B
CAB INTERLOCK A	151B
CAB INTERLOCK B	156B
CH 6 WK 06	268A
CH 4 WK 04	258A
SPARE 2	151A
SPARE 3	152A

CM2	
SHL SHELL GROUND	GB3
AC 11	825B
RELAY RELAY COMM	57B
RELAY RELAY NO	6A
CH 12 RED	825A
CH 11 RED	826A
CH 9 RED	828A
CH 8 RED 08	248A
CH 7 RED 07	242A
CH 6 RED 06	236A
CH 5 RED 05	230A
CH 4 RED 04	224A
CH 3 RED 03	218A
CH 2 RED 02	212A
CH 1 RED 01	206A
SPARE 1	153A
24 V MONITOR 11	59B
SPARE 2	154A
SPARE 3	155A
RELAY RELAY NC	153B
CH 10 RED	827A
SPARE 4	154B
SPARE 5	155B
SPARE 6	156B
CH 3 RED 03	218A
RED ENABLE	846A
SPARE 7	157B
SPARE 8	158B

CONFLICT MONITOR MATRIX PROGRAMMING INSTRUCTIONS											
1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	
1-3	2-4	3-5	4-6	5-7	6-8	7-9	8-10	9-11	10-12		
1-4	2-5	3-6	4-7	5-8	6-9	7-10	8-11	9-12			
1-5	2-6	3-7	4-8	5-9	6-10	7-11	8-12				
1-6	2-7	3-8	4-9	5-10	6-11	7-12					
1-7	2-8	3-9	4-10	5-11	6-12						
1-8	2-9	3-10	4-11	5-12							
1-9	2-10	3-11	4-12								
1-10	2-11	3-12									
1-11	2-12										
1-12											
CH1-0.1											
CH2-0.2											
CH3-0.3											
CH4-0.4											



NOTES

- 1) IF A SIGNAL SERVICE CABINET IS USED REMOVE JUMPER 410A-411A FOR CONV AC.
- 2) IF EVP HEADS ARE INSTALLED JUMPER 363A TO 365A AND 1 OR 375A TO 377A.

EVP VERIFY LIGHTS

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

REV. STATUS OF SHEETS

SHEET	1	2	3
REV	0	0	0
DRAWN BY-	ESU-	REV-	
5/11/92	DRAWING NO. S92-BROWNXXX8R-		

CONTROLLER INTERFACE PANEL

1

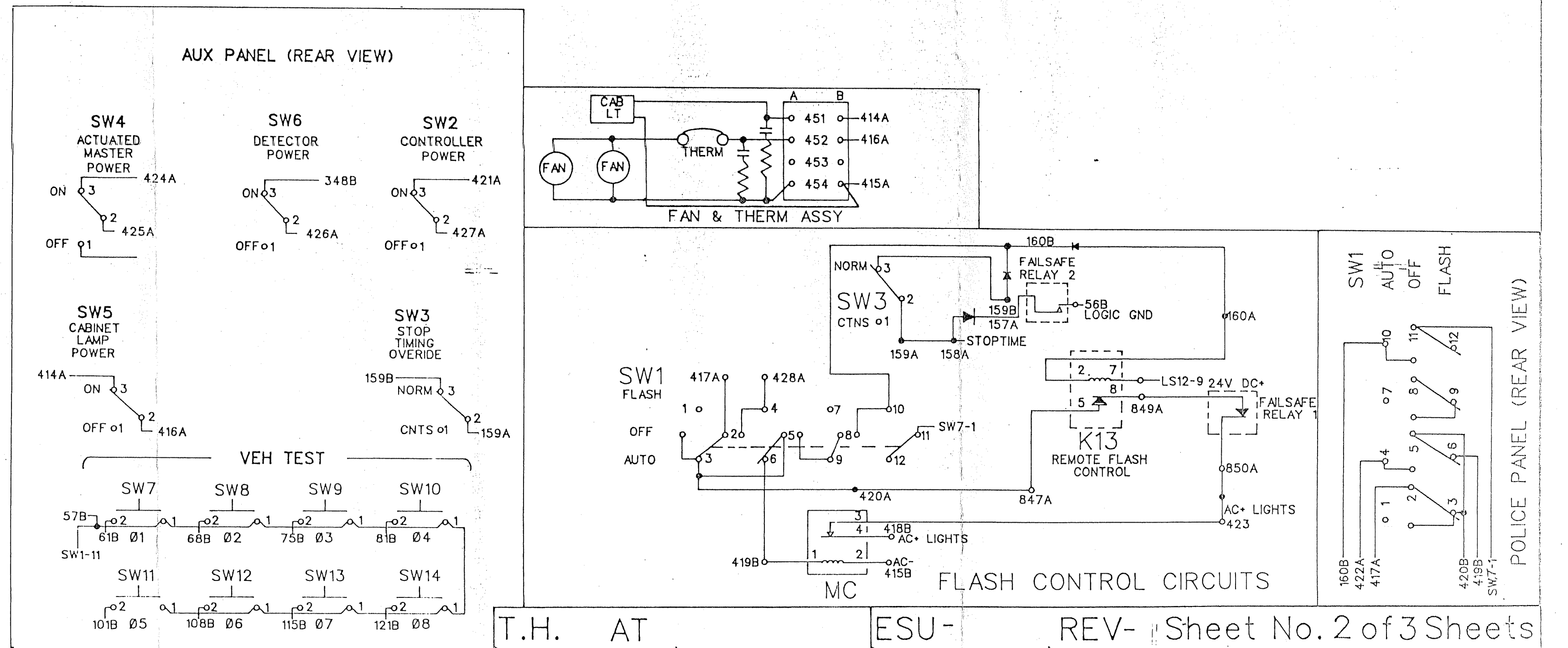
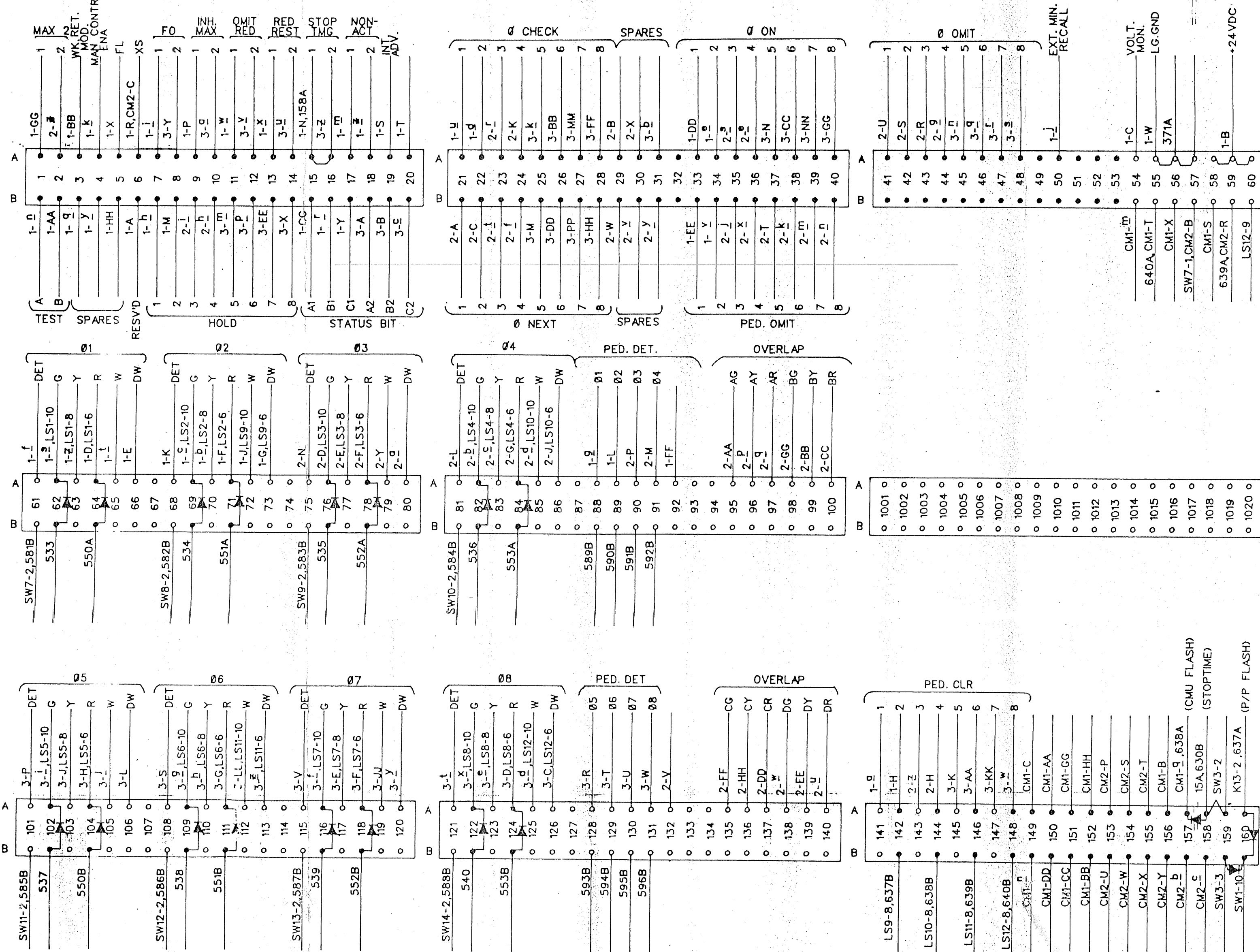
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3

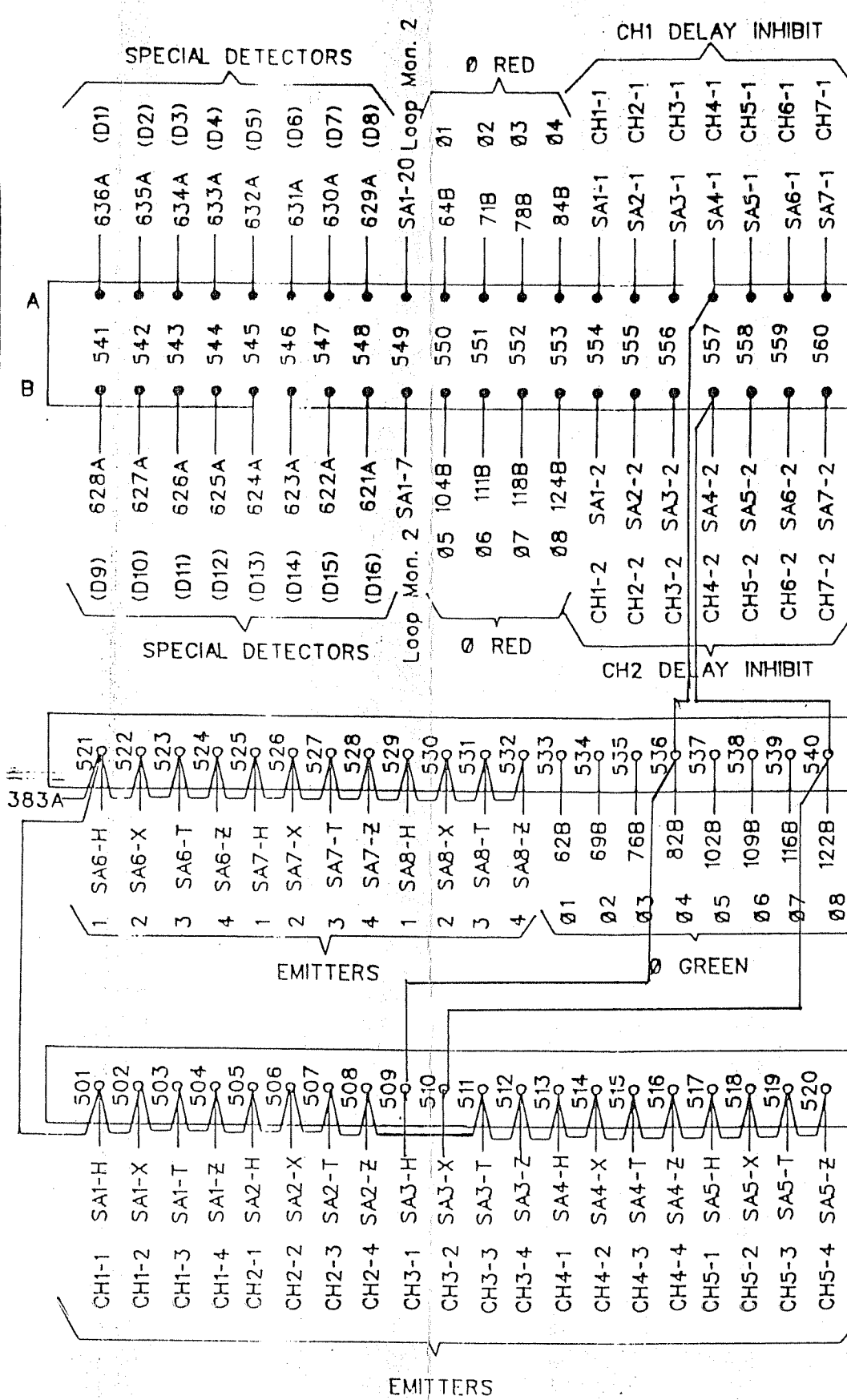
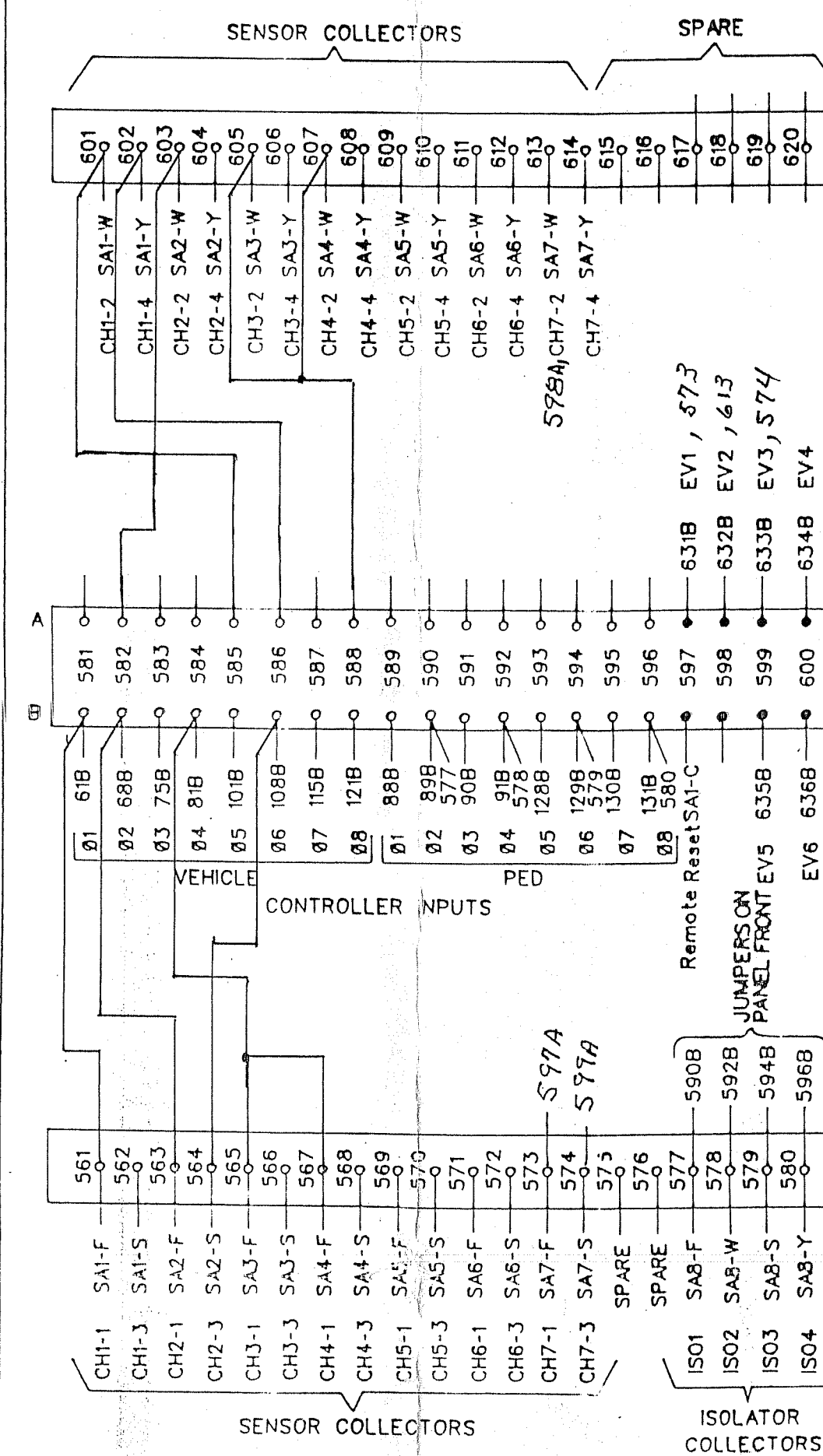
SHL SHELL GROUND GB3
 AL RESV. 6B
 BL 24VDC 59A
 CL VOLTAGE MONITOR 54A
 DL 01 RED 64A
 EL 01 DWK 66A
 FL 02 RED 71A
 GL 02 DWK 73A
 HL 02 PCL 142A
 JL 02 WK 72A
 KL 02 VEH DET 68A
 LL 02 PED DET 89A
 ML 02 HOLD 88A
 NI STOP TIMING 1 8B
 PI INHIBIT MAX TERM 1 9A
 RI EXTERNAL START 6A
 SI INTERVAL ADVANCE 19A
 T INDICATOR LAMP CONT 20A
 UI AC+ COMMON 848A
 V CHASSIS GROUND GB3
 W LOGIC GROUND 55A
 X FLASH LOGIC OUT 5A
 Y STATUS BIT C1 17B
 Z 01 YEL 63A
 0 01 PCL 141A
 1 02 YEL 70A
 2 02 GRN 69A
 3 02 CHECK 22A
 4 02 PHASE ON 34A
 5 01 VEH DET 61A
 6 01 PED DET 88A
 7 01 HOLD 7B
 8 FORCE OFF 1 7A
 9 EXT MIN RECALL ALL 0 7A
 0 MAN. CONTROL ENABLE 50A
 1 CALL TO NON-ACT 1 4A
 2 TEST INPUT A 17A
 3 AC+ CONTROL 848B
 4 SPARE 1 3B
 5 STATUS BIT B1 16B
 6 01 GRN 62A
 7 01 WK 65A
 8 01 CHECK 21A
 9 OMIT RED CLR 34B
 0 RED REST MODE 1 11A
 1 SPARE 2 4B
 2 CALL TO NON-ACT II 18A
 3 TEST INPUT B 2B
 4 WALK REST MODIFIER 2B
 5 STATUS BIT A1 15B
 6 01 PHASE ON 33A
 7 01 PED OMIT 33B
 8 PED RECYCLE 1 92A
 9 MAX 2 SELECT 1A
 0 SPARE 3 5B

SHL SHELL GROUND GB3
 AL 01 PHASE NEXT 21B
 BL SPARE 1 29A
 CL 02 PHASE NEXT 22B
 DL 03 GRN 76A
 EL 03 YEL 77A
 FL 03 RED 78A
 GL 04 RED 84A
 HL 04 PCL 144A
 JL 04 DWK 86A
 KL 04 CHECK 24A
 LL 04 VEH DET 81A
 ML 04 PED DET 91A
 NL 03 VEH DET 75A
 PL 03 PED DET 90A
 RL 03 PHASE OMIT 43A
 SL 02 PHASE OMIT 42A
 TL 05 PED OMIT 37B
 UL 01 PHASE OMIT 41A
 VL PED RECYCLE 2 132A
 WL SPARE 2 29B
 XL SPARE 3 30A
 YL 03 WK 79A
 ZL 03 PCL 143A
 0L 03 DWK 80A
 1L 04 GRN 82A
 2L 04 YEL 83A
 3L 04 WALK 85A
 4L 04 PHASE ON 36A
 5L 04 PHASE NEXT 24B
 6L 04 PHASE OMIT 44A
 7L 04 HOLD 10B
 8L 03 HOLD 9B
 9L 03 PED OMIT 35B
 0L 06 PED OMIT 38B
 1L 07 PED OMIT 39B
 2L 08 PED OMIT 40B
 3L 04 A YEL 96A
 4L A RED 97A
 5L 03 CHECK 23A
 6L 03 PHASE ON 35A
 7L 03 PHASE NEXT 23B
 8L 04 D RED 140A
 9L SPARE 4 30B
 0L D GRN 138A
 1L 04 PED OMIT 36B
 2L SPARE 5 31B
 3L MAX 2 SELECT 2A
 4L 04 A GRN 95A
 5L 06 B YEL 99A
 6L 06 B RED 100A
 7L 04 C RED 137A
 8L 04 D YEL 139A
 9L 04 C GRN 135A
 0L B GRN 98A
 1L 04 C YEL 136A

SHL SHELL GROUND GB3
 AL STATUS BIT A2 18B
 BL STATUS BIT B2 19B
 CL 08 DWK 126A
 DL 08 RED 124A
 EL 07 YEL 117A
 FL 06 RED 118A
 GL 05 RED 111A
 HL 05 YEL 104A
 JL 05 PCL 103A
 KL 05 DWK 145A
 LL 05 PHASE NEXT 106A
 NL 05 PHASE ON 25B
 PL 05 VEH DET 37A
 RL 05 PED DET 101A
 SL 06 VEH DET 128A
 TL 06 PED DET 108A
 UL 07 PED DET 129A
 VL 07 VEH DET 130A
 WL 08 PED DET 115A
 XL 08 HOLD 131A
 YL FORCE OFF 2 14B
 ZL STOP TIME 2 8A
 0 INHIBIT MAX TERM 2 16A
 1 SPARE 1 10A
 2 STATUS BIT C2 31A
 3 08 WK 20B
 4 08 YEL 125A
 5 07 GRN 123A
 6 06 GRN 116A
 7 06 YEL 109A
 8 05 GRN 101A
 9 05 WK 102A
 0 05 CHECK 105A
 1 05 HOLD 11B
 2 05 PHASE OMIT 45A
 3 06 HOLD 12B
 4 06 PHASE OMIT 46A
 5 07 PHASE OMIT 47A
 6 08 PHASE OMIT 48A
 7 08 VEH DET 121A
 8 RED REST MODE 2 14A
 9 OMIT RED CLR 2 12A
 0 08 PCL 12A
 1 08 GRN 148A
 2 07 DWK 122A
 3 06 DWK 120A
 4 06 PCL 113A
 5 06 CHECK 146A
 6 06 PHASE ON 26A
 7 06 PHASE NEXT 38A
 8 07 HOLD 26B
 9 06 CHECK 13B
 0 08 PHASE ON 28A
 1 08 PHASE NEXT 40A
 2 07 WK 28B
 3L 07 PCL 119A
 4L 06 WK 147A
 5L 07 CHECK 112A
 6L 07 PHASE ON 27A
 7L 07 PHASE NEXT 27B



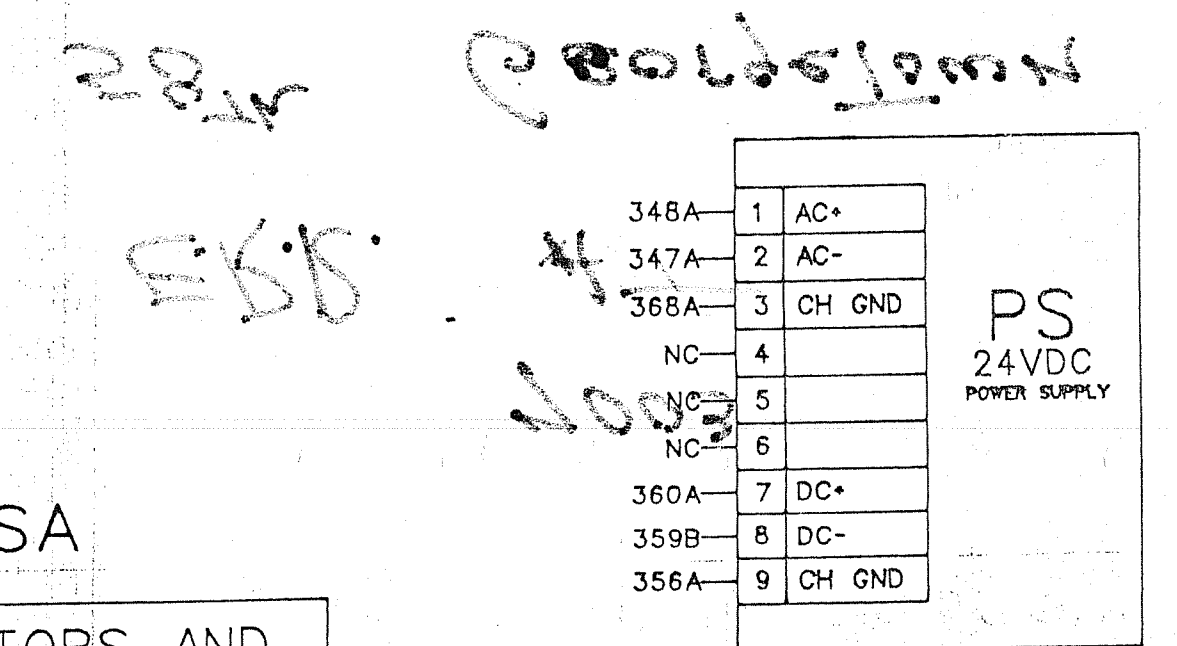
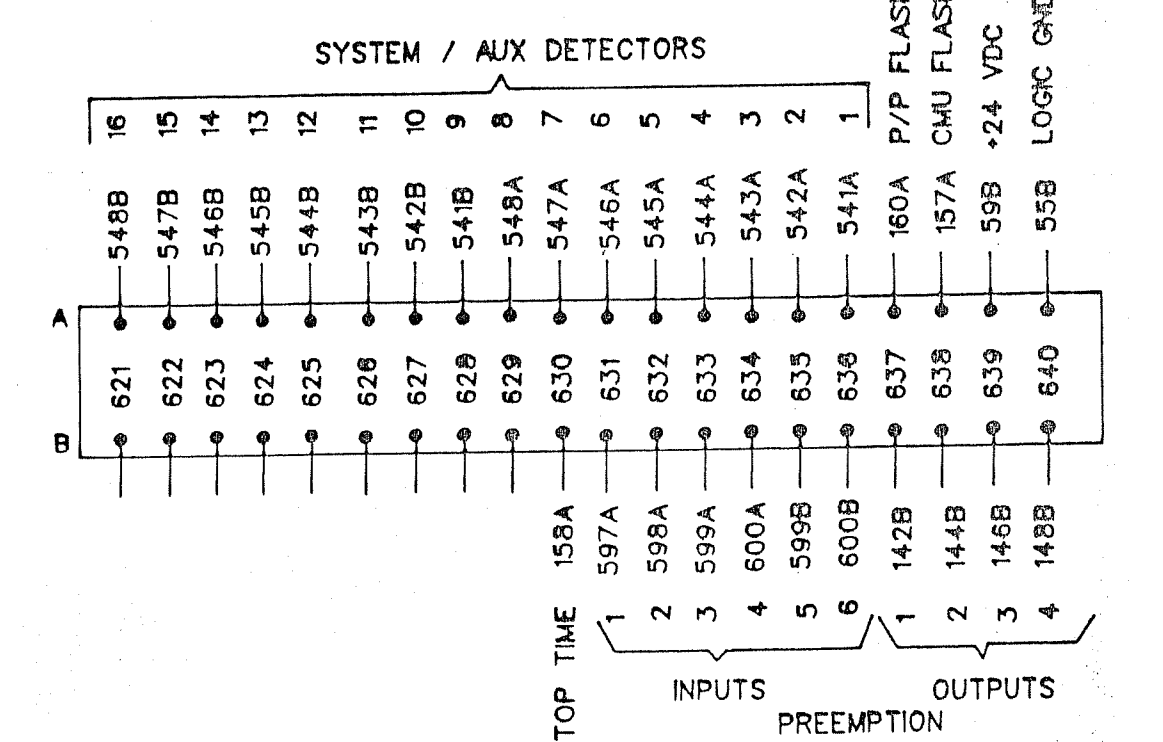
SENSOR COLLECTORS		SPARE
1	2	3
4	5	6
7	8	9
10	11	12
13	14	15
16	17	18
19	20	21
22	23	24
25	26	27
28	29	30
31	32	33
34	35	36
37	38	39
40	41	42
43	44	45
46	47	48
49	50	51
52	53	54
55	56	57
58	59	60
61	62	63
64	65	66
67	68	69
70	71	72
73	74	75
76	77	78
79	80	81
82	83	84
85	86	87
88	89	90
91	92	93
94	95	96
97	98	99
100	101	102
103	104	105
106	107	108
109	110	111
112	113	114
115	116	117
118	119	120
121	122	123
124	125	126
127	128	129
130	131	132
133	134	135
136	137	138
139	140	141
142	143	144
145	146	147
148	149	150
151	152	153
154	155	156
157	158	159
160	161	162
163	164	165
166	167	168
169	170	171
172	173	174
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184	185	186
187	188	189
190	191	192
193	194	195
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205	206	207
208	209	210
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214	215	216
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220	221	222
223	224	225
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229	230	231
232	233	234
235	236	237
238	239	240
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244	245	246
247	248	249
250	251	252
253	254	255
256	257	258
259	260	261
262	263	264
265	266	267
268	269	270
271	272	273
274	275	276
277	278	279
280	281	282
283	284	285
286	287	288
289	290	291
292	293	294
295	296	297
298	299	300
301	302	303
304	305	306
307	308	309
310	311	312
313	314	315
316	317	318
319	320	321
322	323	324
325	326	327
328	329	330
331	332	333
334	335	336
337	338	339
340	341	342
343	344	345
346	347	348
349	350	351
352	353	354
355	356	357
358	359	360
361	362	363
364	365	366
367		



CONN.	FUNCTION	TE
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CONN.	FUNCTION	TE
PIN 1/0		
1	0 EMERG. PR. 4 OUT	64
2	1 OFFSET 3 OUT	
3	1 OFFSET 4 (ADD BIT 3)	
4	1 ON LINE	
5	0 SPARE	
6	1 DIAL 4	
7	1 DIAL 6	
8	1 SPECIAL FUNCTION 2 OUT	
9	1 SPLIT 2	
10	1 OFFSET 2 (ADD BIT 1)	
11	0 FLASH OUT	
12	1 OFFSET 1 (ADD BIT 0)	
13	1 SYSTEM DET. 8 —	
14	1 DIAL 5	
15	0 SPECIAL FUNCTION 3 OUT	
16	1 SPLIT 2	
17	1 SYSTEM DET. 1 (SEQ. #1) —	
18	1 SYSTEM DET. 4 (SEQ. #4) —	
19	1 SYSTEM ENABLE	
20	1 DIMMING ENABLE	
21	0 SPLIT 2 OUT	
22	0 EMERG. PR. 2 OUT	65
23	0 RAILROAD PR. OUT	
24	0 SPARE	
25	1 DIAL 2 (SPECIAL FUNCTION 2)	
26	1 FREE/CORDS (SPECIAL FUNCTION 1)	
27	0 SPECIAL FUNCTION 2 OUT	
28	0 SPECIAL FUNCTION 1 OUT	
29	0 DIAL 4 OUT	
30	1 SYSTEM DET. 5	
31	1 SYSTEM DET. 3 (SEQ. #3) —	
32	0 EMERG. PR. 1 OUT	66
33	0 OFFSET 1 OUT	
34	0 EMERG. PR. 3 OUT	63
35	1 DIAL 3 (SPECIAL FUNCTION 3)	
36	1 OFFSET 3 (ADD BIT 2)	
37	1 FLASH STATUS	
38	1 OFFSET 5 (ADD BIT 4)	
39	1 SYSTEM DET. 6 —	
40	1 SYSTEM DET. 1	
41	0 OFFSET 4 OUT	
42	0 OFFSET 2 OUT	
43	0 DIAL 2 OUT	
44	0 DIAL 3 OUT	
45	0 OFFSET 5 OUT	
46	0 SPLIT 3 OUT	
47	1 SYSTEM DET. 2 (SEQ. #2) —	64
48	1 LOGIC GND	63
49	1 EMERG. PREEMPT 1	63
50	1 EMERG. PREEMPT 2	
51	1 DIAL 5 OUT	
52	1 DIAL 6 OUT	
53	1 LOGIC GND.	
54	1 LOGIC GND	
55	1 EMERG. PREEMPT 3	63
56	1 EMERG. PREEMPT 4	63
57	1 RAILROAD PREEMPT	
58	1 CONFLICT STATUS	
59	1 RESERVED	
60	1 FLASH COMMAND	
61	1 RESERVED	
62	1 RESERVED	
63	1 ANALYSIS GND.	61

H H O



SA4	SA5	⊕SA6
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PIN		RACK HARNESS		SA-PIN		SA6 AND SA7 ARE WIRED TO ACCEPT VEH DET. OR EVP DISCRIMINATOR.												FUNCTIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
						SA1			SA2			SA3			SA4			SA5			⊕SA6			⊕SA7			SA8			1-CALL EXTEND 2-CALL ONLY 3-EXTEND ONLY 4-CALL ONLY DENS 5-DLY CALL ONLY 6-DLY CALL ONLY 7-DLY CALL 8-CARRY OVER 9-ADVISORY 10-SAMPLING 11-SPECIAL -SEE NOTE-																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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