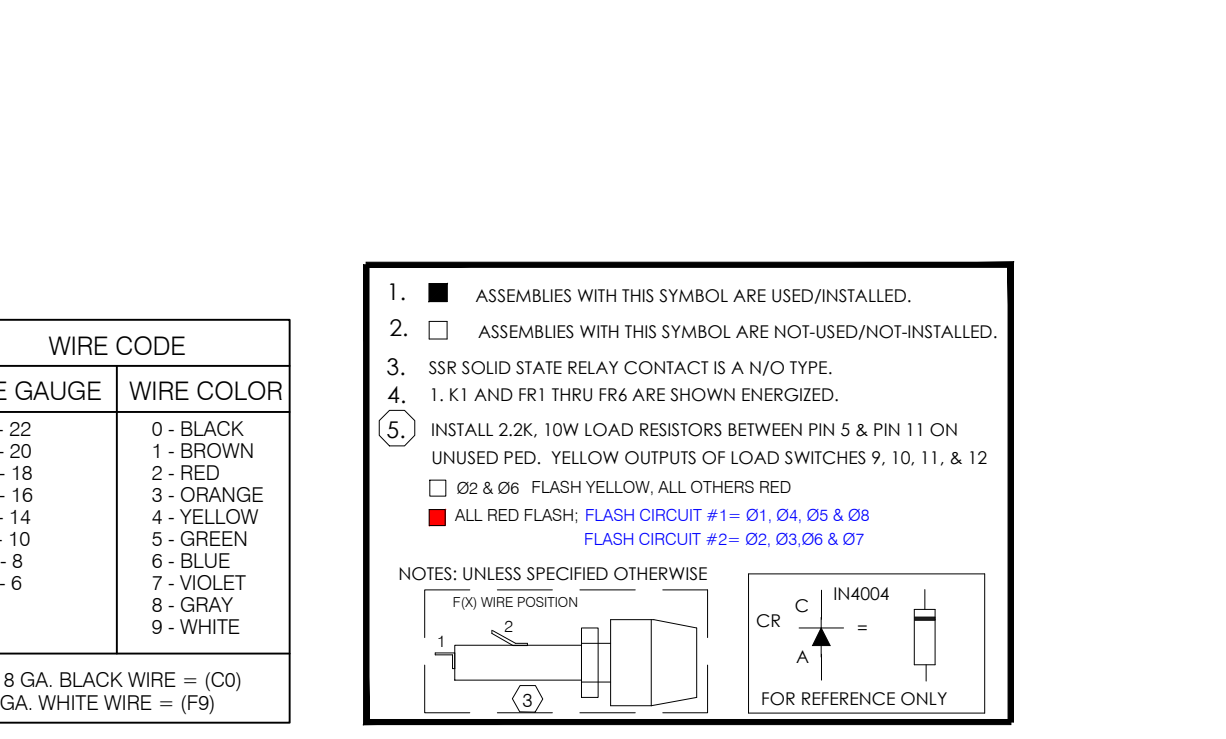
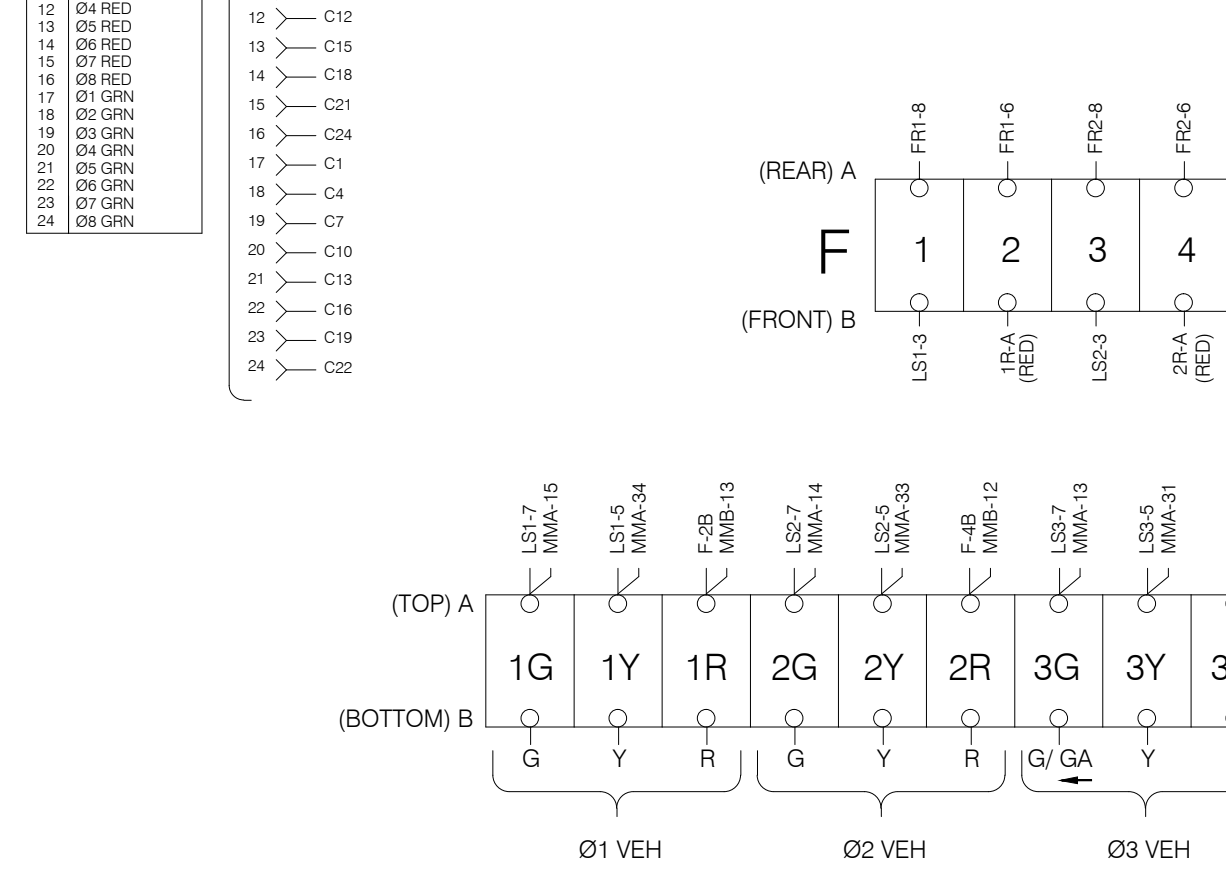
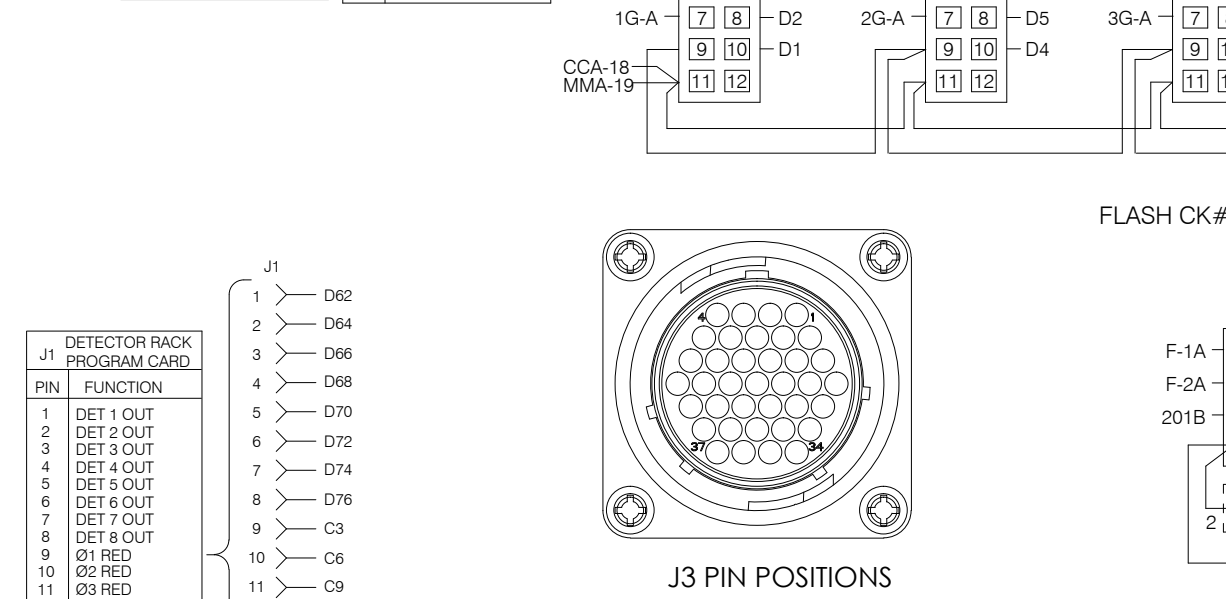
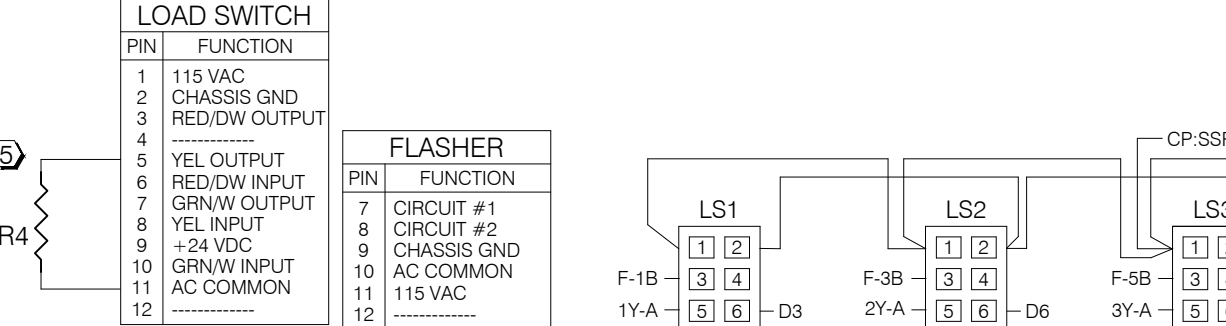


MAIN PANEL

ASSY: 171-1679-503

WIRE LIST FOR ASC/2-2100 CONTROLLER			
CONNECTOR 'A' (CCA)	FUNCTION	TO	FUNCTION
PIN WIRE		PIN WIRE	
A-1	FAULT MONITOR	A79	01 NEXT
A-2	+24VDC EXTERNAL	A79	02 PREEMPT DET 2
A-3	VOLTAGE MONITOR	C3	03 GREEN
A-4	01 RED	C3	04 RED
A-5	01 DONT WALK	C27	05 YELLOW
A-6	02 RED	C27	06 RED
A-7	02 DONT WALK	C30	07 RED
A-8	02 PED CLEAR	C30	08 PED CLEAR
A-9	02 WALK	C28	09 YELLOW
A-10	VEH. DETECTOR 2	D63	10 CHECK
A-11	PED. DETECTOR 2	C81	11 VEH. DETECTOR 4
A-12	02 HOLD	B18	12 PED. DETECTOR 4
A-13	STOP TIME (1)	B13	13 VEH. DETECTOR 3
A-14	INH. MAX. TERM. (1)	A27	14 PED. DETECTOR 3
A-15	EXTERNAL START	A71	15 03 PHASE OMIT
A-16	INTERNAL ADVANCE	B79	16 03 PHASE OMIT
A-17	INT. LAMP CONT.	A35	17 05 PED OMIT
A-18	03 NEUTRAL (AC)	LS1-11	18 01 PHASE OMIT
A-19	EARTH GROUND	EDB3	19 01 PHASE OMIT
A-20	LOGIC GROUND	LS1	20 01 PHASE OMIT
A-21	FL. LOGIC OUT	B57	21 01 PHASE OMIT
A-22	STATUS BIT C (1)	C34	22 01 PHASE OMIT
A-23	01 YELLOW	C34	23 01 PHASE OMIT
A-24	01 PED CLEAR	C36	24 01 PHASE OMIT
A-25	02 YELLOW	C5	25 02 GREEN
A-26	02 GREEN	C10	26 02 GREEN
A-27	02 CHECK	C4	27 02 CHECK
A-28	02 ON	C10	28 02 ON
A-29	VEH. DETECTOR 1	D61	29 02 ON
A-30	PED. DETECTOR 1	C99	30 02 ON
A-31	01 HOLD	B17	31 01 HOLD
A-32	FORCE OFF (1)	A26	32 01 HOLD
A-33	EXT. MIN. RECALL	B30	33 01 HOLD
A-34	MAN. CONT. ENABLE	B30	34 01 HOLD
A-35	CALL NONVOLT	A38	35 01 HOLD
A-36	TEST INPUT A	B38	36 01 HOLD
A-37	AC LINE (AC-1)	K2-6	37 01 HOLD
A-38	I/O MODE BIT A	A38	38 01 HOLD
A-39	STATUS BIT B (1)	C25	39 01 HOLD
A-40	01 GREEN	C25	40 01 GREEN
A-41	01 WALK	A11	41 01 WALK
A-42	01 CHECK	A11	42 01 CHECK
A-43	02 PED OMIT	D80	43 02 PED OMIT
A-44	02 PED CLR. (1)	C58	44 02 PED CLR. (1)
A-45	RED REST (1)	A45	45 02 PED CLR. (1)
A-46	I/O MODE BIT B	A39	46 02 PED CLR. (1)
A-47	CALL NONVOLT	B38	47 02 PED CLR. (1)
A-48	TEST INPUT B	B38	48 02 PED CLR. (1)
A-49	WALK REST MOD.	C58	49 02 PED CLR. (1)
A-50	STATUS BIT A (1)	A38	50 02 PED CLR. (1)
A-51	01 ON	A17	51 01 ON
A-52	01 PED OMIT	A17	52 01 PED OMIT
A-53	PED RECYLE (1)	A29	53 01 PED RECYLE (1)
A-54	MAX. 1 SELECT (1)	B38	54 01 MAX. 1 SELECT (1)
A-55	I/O MODE BIT C	HH	55 01 I/O MODE BIT C
A-56	SHELL-CHASSIS GND	EDB3	56 01 SHELL-CHASSIS GND

NOTE: WIRE INPUT/OUTPUT FUNCTIONS ARE DEPENDENT ON THE I/O MODE BIT INPUTS. REFER TO NEMA 17-1992 SECTION 3.4.2 FOR THE DEFINED FUNCTIONS.



NOTES: UNLESS OTHERWISE SPECIFIED

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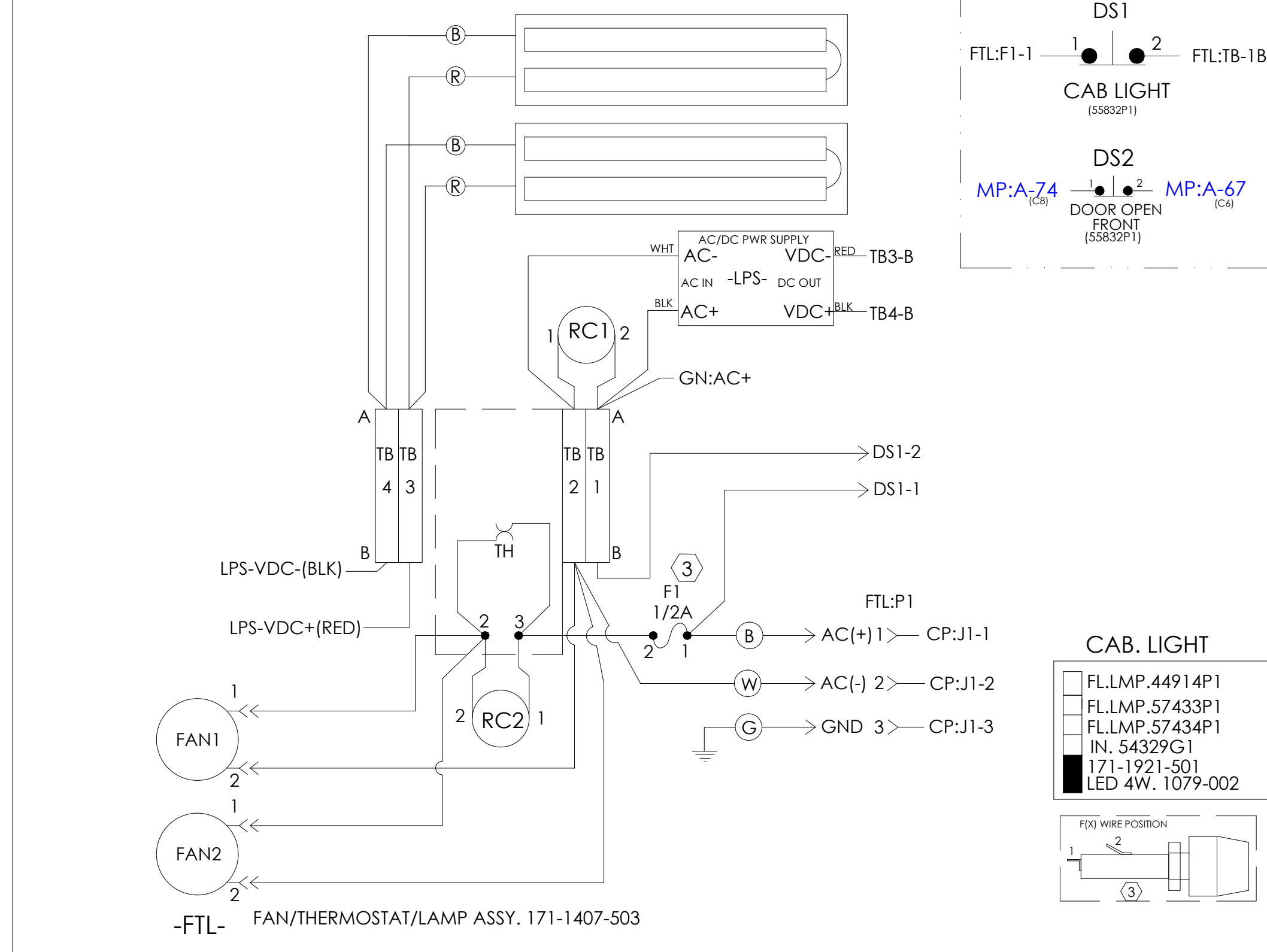
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CABINET CENTER



-DR1- DETECTOR RACK 34030G2

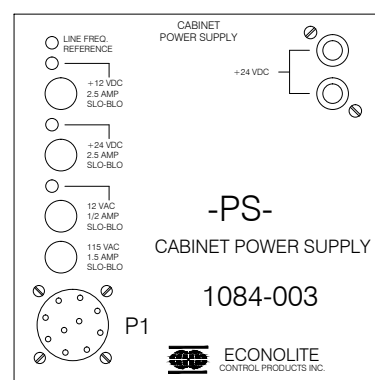
DEFLECTION YAW										DEFLECTION PITCH										DEFLECTION ROLL									
				L3		L1				L7		L5		L11		L9		L15		L13								NOT USED	
☐ PWR. SUP. ☐ B.I.U.				☐ 2CH ☐ 4CH ☐ MAG				☐ 2CH ☐ 4CH ☐ MAG				☐ 2CH ☐ 4CH ☐ MAG				☐ 2CH ☐ 4CH ☐ MAG				☐ 2CH ☐ 4CH ☐ MAG				☐ 2CH ☐ OPTICOM EVP #3		☐ 2CH ☐ OPTICOM EVP #5		☐ PGM. CARD	
				L4		L2				L8		L6		L12		L10		L16		L14				EVP #4		EVP #6			
☒ J13 171-1676-505 (P1)DC POWER				☒ J16 C/C 33284G8 EXP. OUTPUTS				☒ J14 C/C 33284G2 LOOPS 1-8				☐ J18 C/C 33284G9 SYS. OUTPUTS				☒ J15 C/C 33284G3 LOOPS 9+16				☒ J17 171-1676-505 (P2)AC POWER				☐ J19 C/C 33284G17 PGM. CARD					

-DR1-		DETECTOR SCHEDULE & ASSIGNMENT								
RACK POSITION	SENSOR UNIT		LOOP INTERFACE	LOOP ID (FROM ID'S)	DETECTOR LOCATION	RACK OUTPUT	CONF. DET. INPUT	ASSIGN TO Ø (KB ENT)	DETECTOR OPERATION (1)	CABINET DESIG.
	4 CH.	2 CH.								
1		3		1	L-03		3	DET. 3		
		4	2	1	L-04		4	DET. 4		
2	1	1		1	L-01		1	DET. 1		
		2	1	2	L-02		2	DET. 2		
3		3		1	L-07		7	DET. 7		
		4	2	1	L-08		8	DET. 8		
4	2	1		1	L-05		5	DET. 5		
		3	2	2	L-06		6	DET. 6		
5		3		1	L-11		11	DET. 11		
		4	2	1	L-12		12	DET. 12		
6	3	1		1	L-09		9	DET. 9		
		2	2	2	L-10		10	DET. 10		
7		3		1	L-15		15	DET. 15		
		4	2	2	L-16		16	DET. 16		
8	4	1		1	L-13		13	DET. 13		
		2	7	2	L-14		14	DET. 14		
9	PRE-EMPTION	1	A				PMT. A	PMT. 3		
			B					PMT. B	PMT. 4	
10		1	A				PMT. C	PMT. 5		
		2	B					PMT. D	PMT. 6	

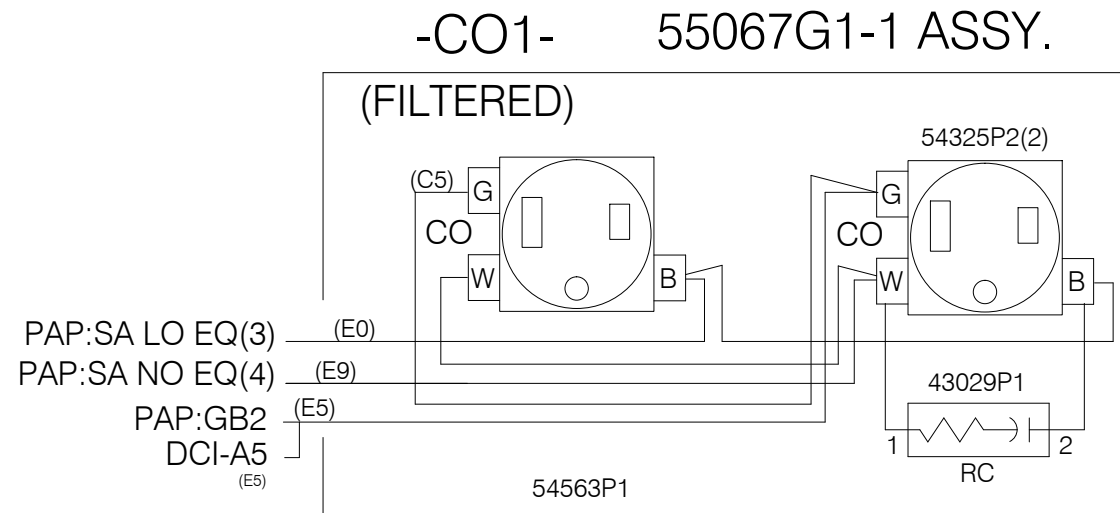
[illegible]

- ① INSTALL JUMPERS ON JP31 THRU JP34 AS A SHELF MOUNT POWER SUPPLY IS USED. WARNING - DO NOT INSTALL JUMPERS WHEN A PLUG-IN POWER SUPPLY IS USED.
- ② INSTALL JUMPERS ON JP38 - JP55 WHEN PROGRAM CARD IS NOT USED.
- ③ PROGRAM CARD AND PLUG-IN POWER SUPPLY ARE FOR TS-1 APPLICATIONS ONLY. REMOVE FOR TS-2 APPLICATIONS.
- ④ PROGRAM JUMPERS USING CONFIGURATION NUMBER AS SHOWN BY ASTERISK.

DETECTOR RACK ADDRESS			
	JP37	JP36	JP35
DR1			
DR2			
DR3			
DR4			
DR5			
DR6			
DR7			

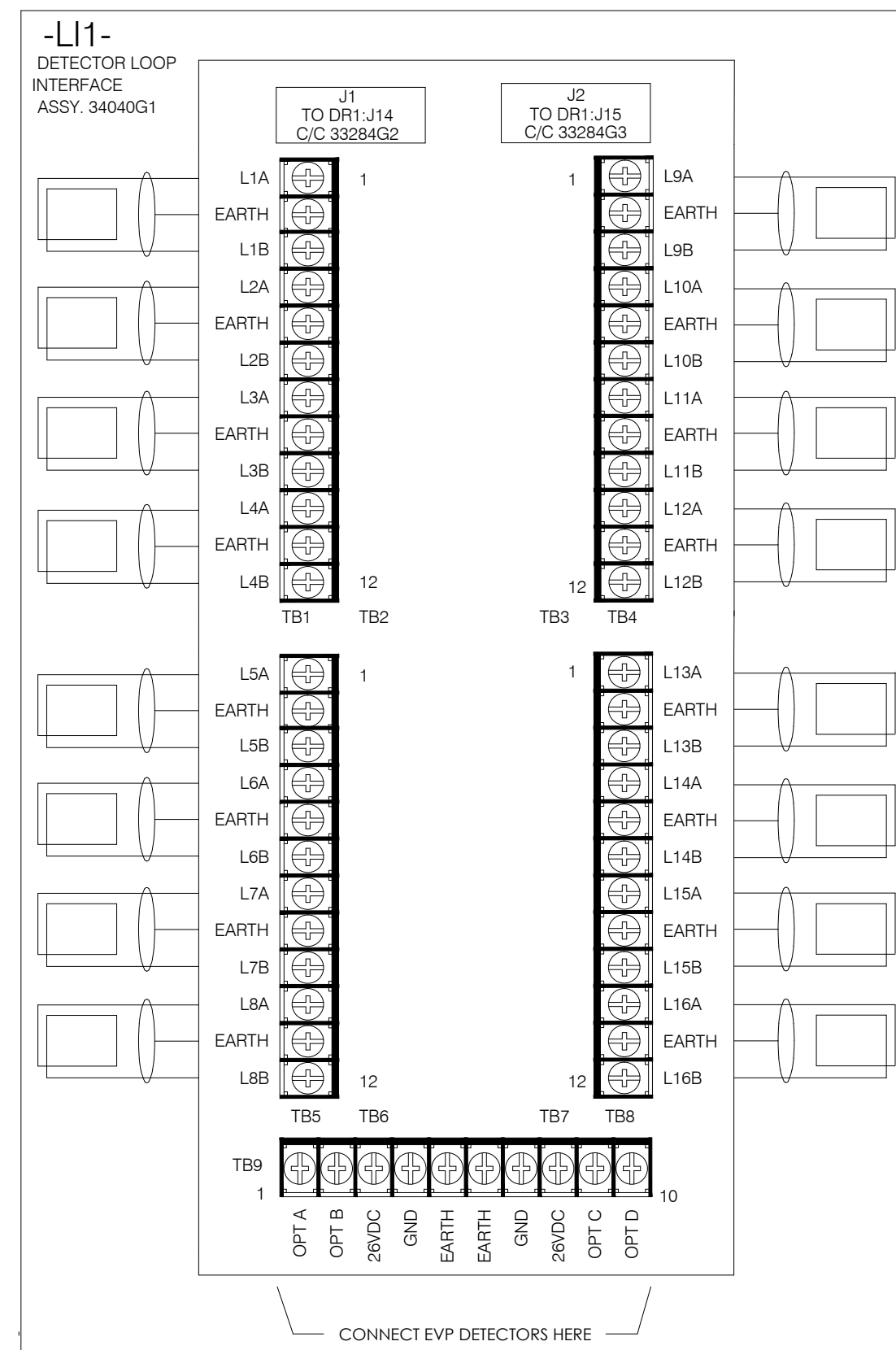
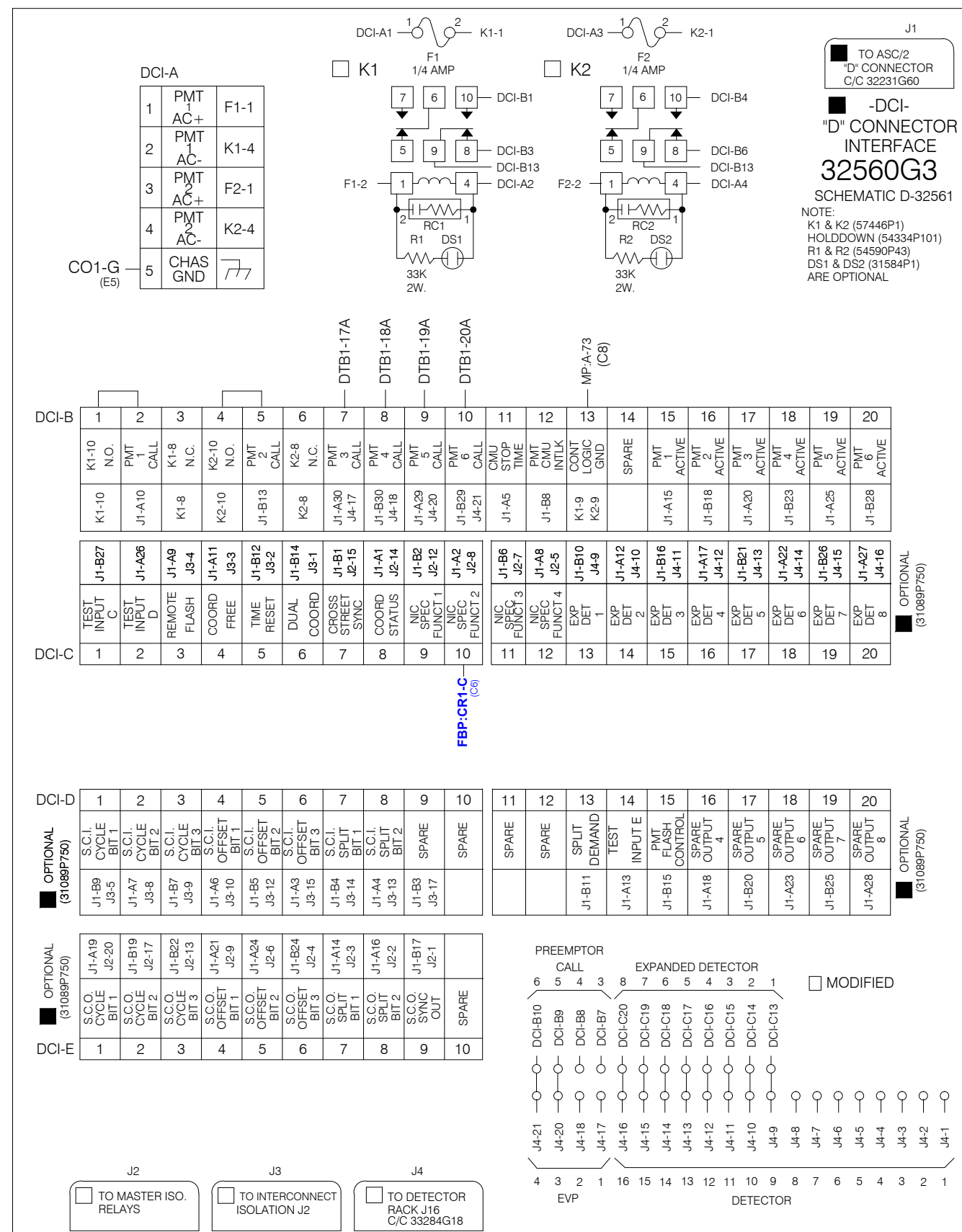
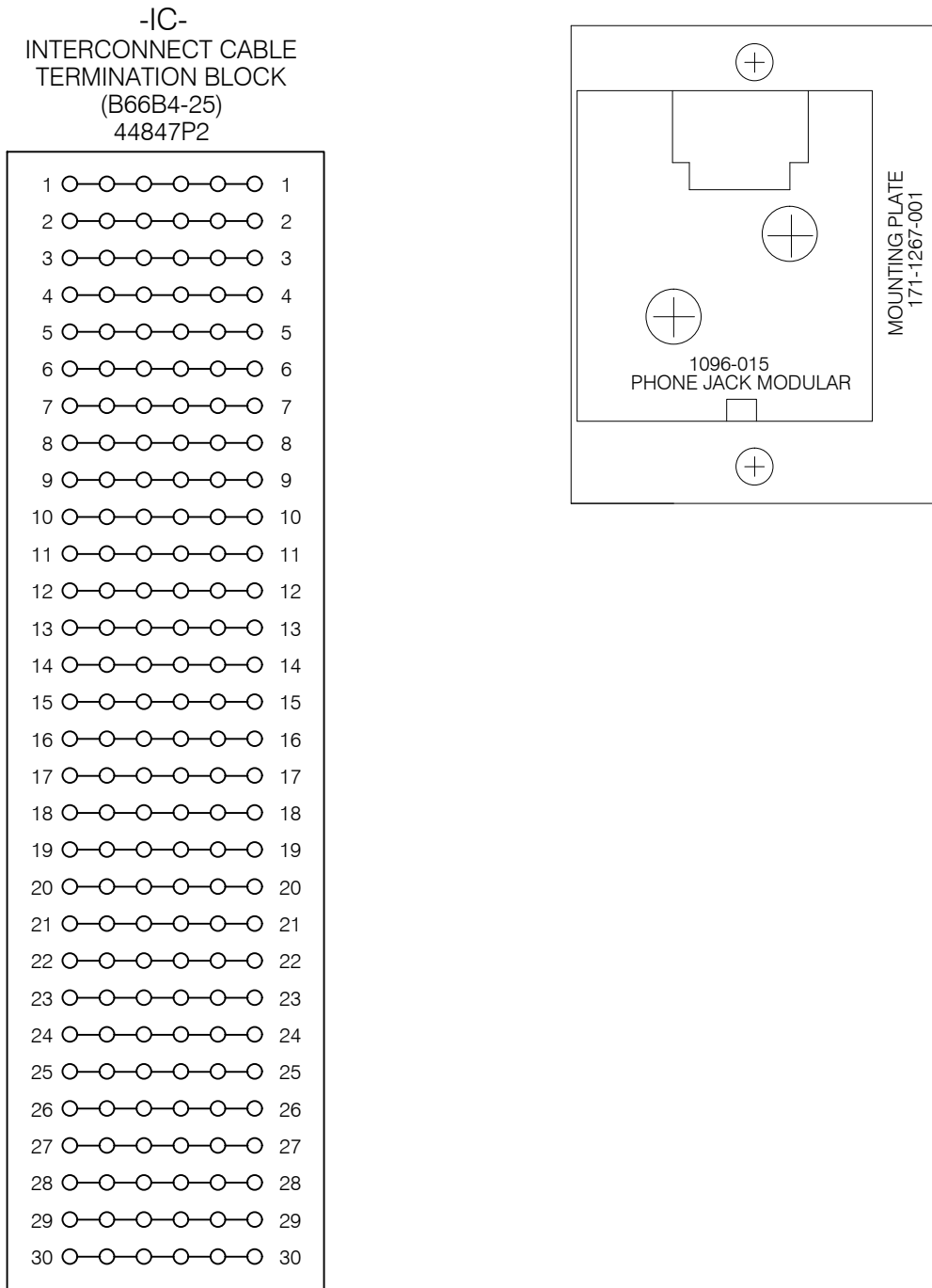


CABINET LEFT SIDE



WIRE CODE	
WIRE GAUGE	WIRE COLOR
A - 22	0 - BLACK
B - 20	1 - BROWN
C - 18	2 - RED
D - 16	3 - ORANGE
E - 14	4 - YELLOW
F - 10	5 - GREEN
G - 8	6 - BLUE
H - 6	7 - VIOLET
	8 - GRAY
	9 - WHITE

EX: 18 GA. BLACK WIRE = (C0)
 10 GA. WHITE WIRE = (F9)



DETECTOR LOOP 1-8 + PREEMPT C/C 33284G2		
(P14) PIN	SIGNAL**	(P1) TO:11/12 J
1	LOOP 1-/17+	TB1-1
2	LOOP 1-/17-	TB1-3
3	LOOP 2-/18+	TB1-4
4	LOOP 2-/18-	TB1-6
5	LOOP 3-/19+	TB1-7
6	LOOP 3-/19-	TB1-8
7	LOOP 4-/20+	TB1-10
8	LOOP 4-/20-	TB1-12
9	LOOP 5-/21+	TB5-1
10	LOOP 5-/21-	TB5-3
11	LOOP 6-/22+	TB5-6
12	LOOP 6-/22-	TB5-8
13	LOOP 7-/23+	TB5-7
14	LOOP 7-/23-	TB5-9
15	LOOP 8-/24+	TB5-10
16	LOOP 8-/24-	TB5-12
17	PMT. DET. CH. A	TB9-1
18	PMT. DET. CH. B	TB9-2
19	(KEY PIN)	
20	PMT. CH. A/B +26 VDC	TB9-3
21	PMT. C GROUND	TB9-4&7
22	PMT. CH. C/D +26 VDC	TB9-6
23	PMT. DET. CH. C	TB9-9
24	PMT. DET. CH. D	TB9-10
25	-----	
26	-----	

DETECTOR LOOP 9 - 16 C/C 33284AG3			
(P15) PIN		SIGNAL**	(P2) TO:U12.J2
1	LOOP 9+/25+		TB4-1
2	LOOP 9-/25-		TB4-3
3	LOOP 10+/26+		TB4-4
4	LOOP 10-/26-		TB4-6
5	LOOP 11+/27+		TB4-7
6	LOOP 11-/27-		TB4-9
7	LOOP 12+/28+		TB4-10
8	LOOP 12-/28-		TB4-12
9	LOOP 13+/29+		TB8-1
10	LOOP 13-/29-		TB8-3
11	LOOP 14+/30+		TB8-4
12	LOOP 14-/30-		TB8-6
13	LOOP 15+/31+		TB8-7
14	LOOP 15-/31-		TB8-9
15	LOOP 16+/32+		TB8-10
16	LOOP 16-/32-		TB8-12

**NOTE LEFT SIDE OF "/" REPRESENTS LI #1
RIGHT SIDE REPRESENTS LI #2 (IF APPLICABLE)

