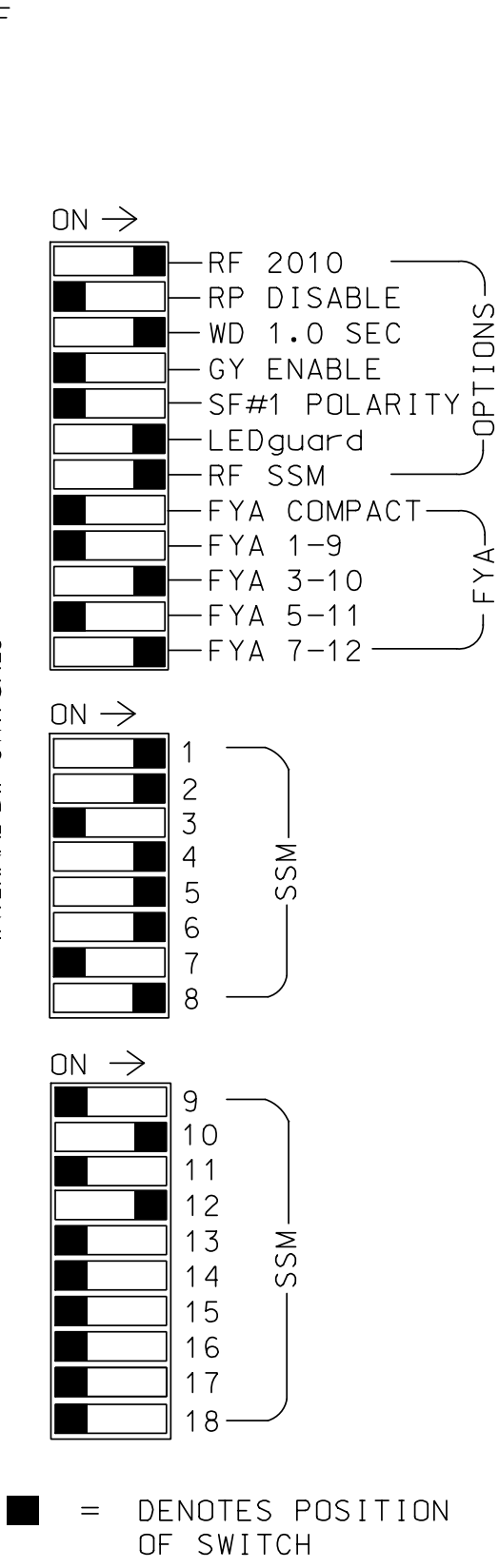
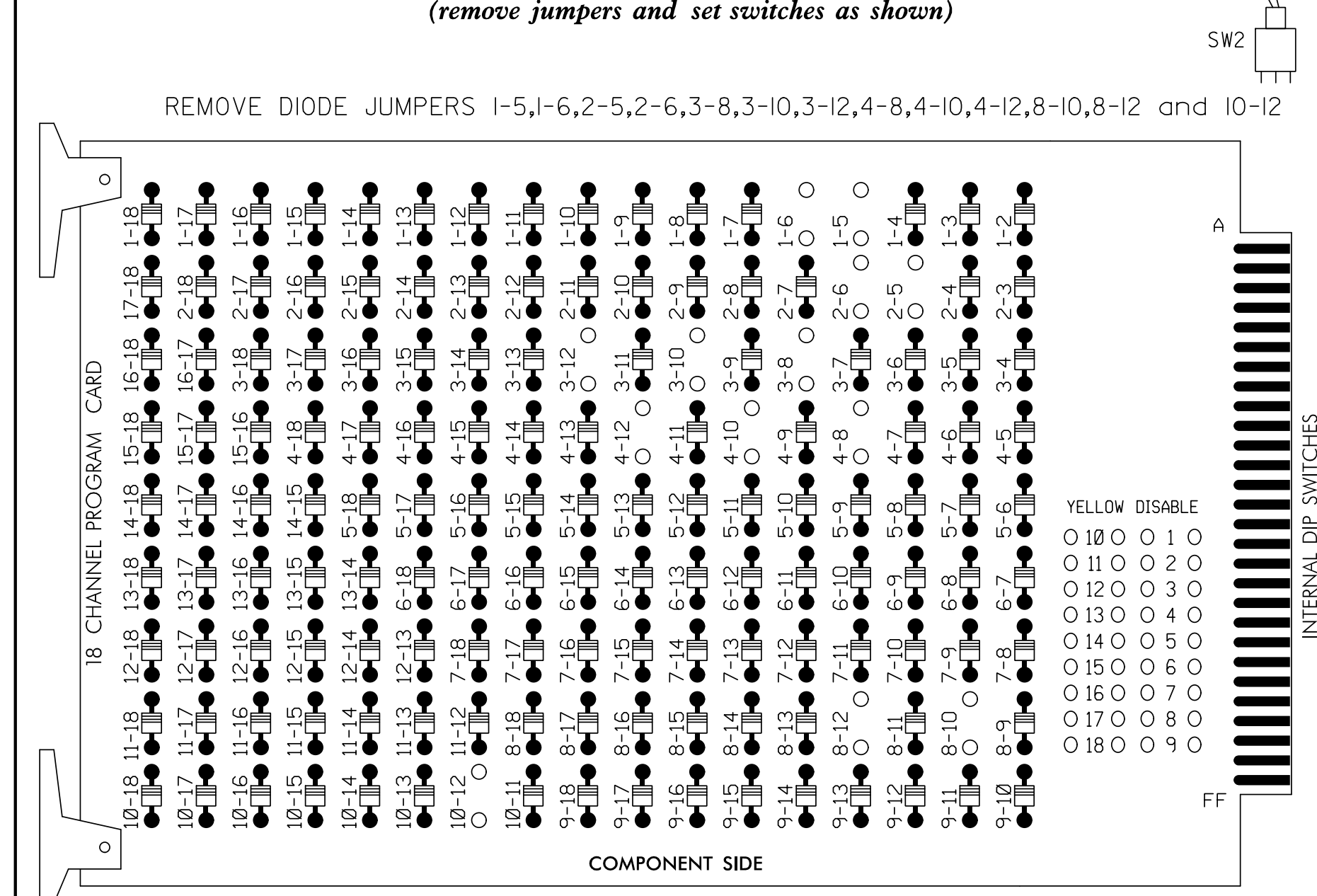


EDI MODEL 2018EClip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



NOTES

- To prevent "flash-conflict" problems, insert red flash program blocks for all unused vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the Signal Plans.
- Program phases 4 and 8 for Dual Entry.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for volume density operation.
- Program controller to start up in phase 2 Green and 6 Green.
- The cabinet and controller are part of the Fayetteville Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070E
 CABINET.....332 W/AUX
 SOFTWARE.....ECONOLITE ASC/3-2070
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S1,S2,S4,S5,S7,S8,S11,
 AUX S2,AUX S5
 PHASES USED.....1,2,3,4,5,6,8
 OVERLAP "A".....NOT USED
 OVERLAP "B".....*
 OVERLAP "C".....NOT USED
 OVERLAP "D".....*
 * See overlap programming detail on sheet 2

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	11	82	21,22,23	31	42,43	NU	43	51	61,62	NU	81,82	NU	31	NU	41	NU	41	NU
RED		128			101				134		107							
YELLOW		129		*	102				135		108							
GREEN		130			103				136		109							
RED ARROW	125								131					A124				A101
YELLOW ARROW	126	126						132	132					A125				A102
FLASHING YELLOW ARROW														A126				A103
GREEN ARROW	127	127			118			133	133									

NU = Not Used
 * Denotes install load resistor. See load resistor installation detail this sheet.
 * See pictorial of head wiring in detail this sheet.

INPUT FILE POSITION LAYOUT

(front view)

FILE	U	1	2	3	4	5	6	7	8	9	10	11	12	13	14
FILE "I"	U	∅ 1	∅ 1	∅ 2/SYS	∅ 3	∅ 4									FS
		1A	1B	2A/S2A	3A	4A,4B									
FILE "J"	L	NOT USED	NOT USED	∅ 2/SYS	NOT USED	NOT USED									ST
				2B/S2B											
FILE "J"	U	∅ 5	∅ 5	∅ 6/SYS	∅ 8										
		5A	5B	6A/S6A	8A										
FILE "J"	L	NOT USED	NOT USED	∅ 6/SYS	NOT USED										
				6B/S6B											

EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
 ST = STOP TIME

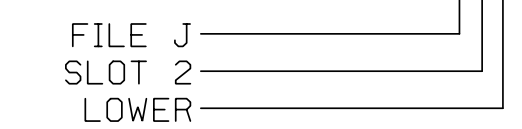
⊗ Wired Input - Do not populate slot with detector card

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	DETECTOR TYPE
1A	TB2-1,2	I1U	56	1	1	YES			S
1B	TB2-5,6	I2U	39	2	1	YES		15	S
2A/S2A	TB2-9,10	I3U	63	32	2/SYS	YES			N
2B/S2B	TB2-11,12	I3L	76	42	2/SYS	YES			N
3A ¹	TB4-5,6	I5U	58	3	3	YES		15	S
		J8U	50	28	8	YES		3	S
4A,4B	TB4-9,10	I6U	41	4	4	YES		3	S
5A	TB3-1,2	J1U	55	5	5	YES			S
5B	TB3-5,6	J2U	40	6	5	YES		15	S
6A/S6A	TB3-9,10	J3U	64	36	6/SYS	YES			N
6B/S6B	TB3-11,12	J3L	77	46	6/SYS	YES			N
8A	TB5-9,10	J6U	42	8	8	YES			S

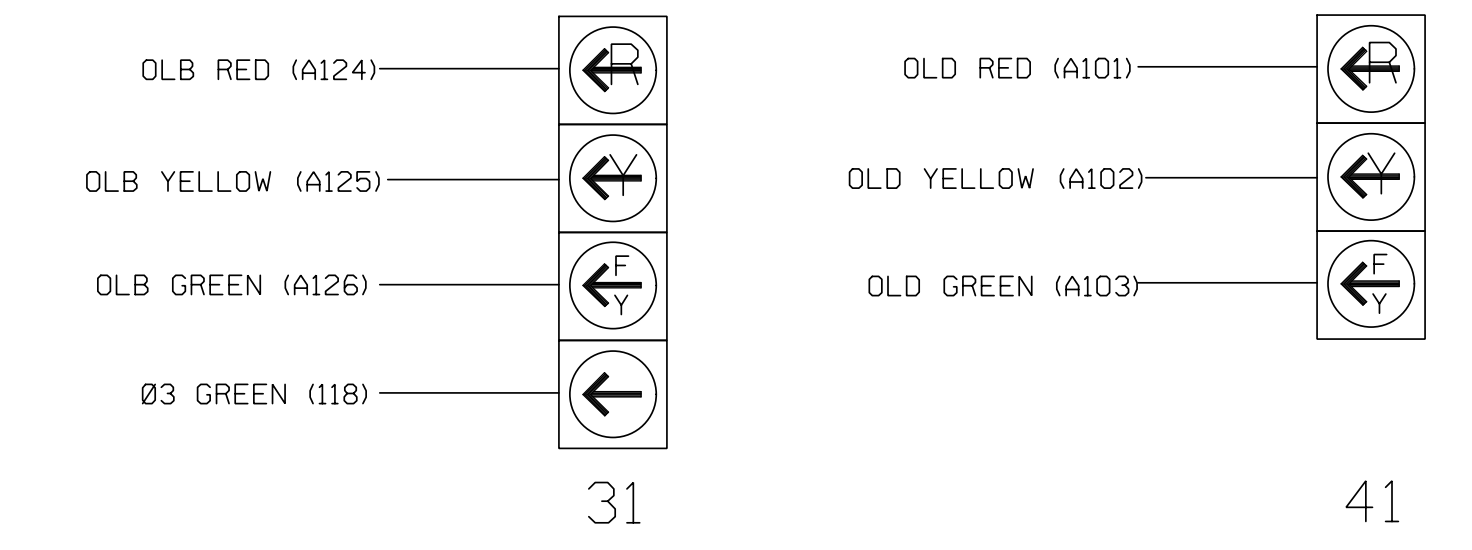
¹ Add jumper from I5-W to J8-W, on rear of input file.

INPUT FILE POSITION LEGEND: J2L



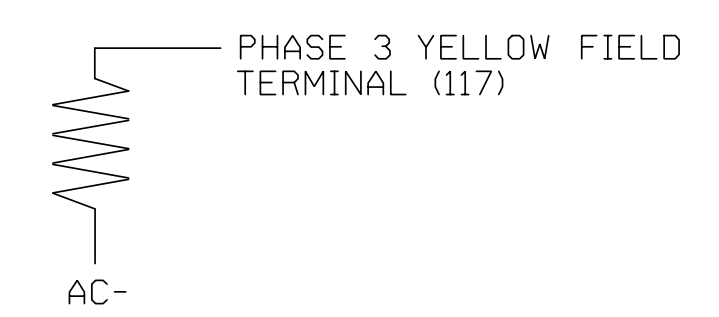
FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown)



ACCEPTABLE VALUES

VALUE (ohms)	WATTAGE
1.5K - 1.9K	25W (min)
2.0K - 3.0K	10W (min)

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0910
 DESIGNED: May 2016
 SEALED: 7/20/2016
 REVISED:

Electrical Detail Sheet 1 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared For:

PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn
 NC License #F-0102
 421 Fayetteville Street, Suite 600
 Raleigh, NC 27601
 (919) 677-2000

I-95 Business - US 301 (S. Eastern Boulevard) at Old Wilmington Road

Division 6 Cumberland County Fayetteville

PLAN DATE: August 2016 REVIEWED BY: KP Baumann
 PREPARED BY: SP Pennington REVIEWED BY: SL Phillips

REVISIONS	INIT.	DATE

Seal: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 032607
 Documented by:
 9/22/2016
 DATE: 9/22/2016
 SIG. INVENTORY NO. 06-0910

9/21/2016 K:\REAL_T\10K-SIGNALS\4011036345_Foyet\Hv\11e\Electr\Coals\654 - Signal Design\5th_Submit\Final\1841_060910-2016e1.dgn Susan Pennington