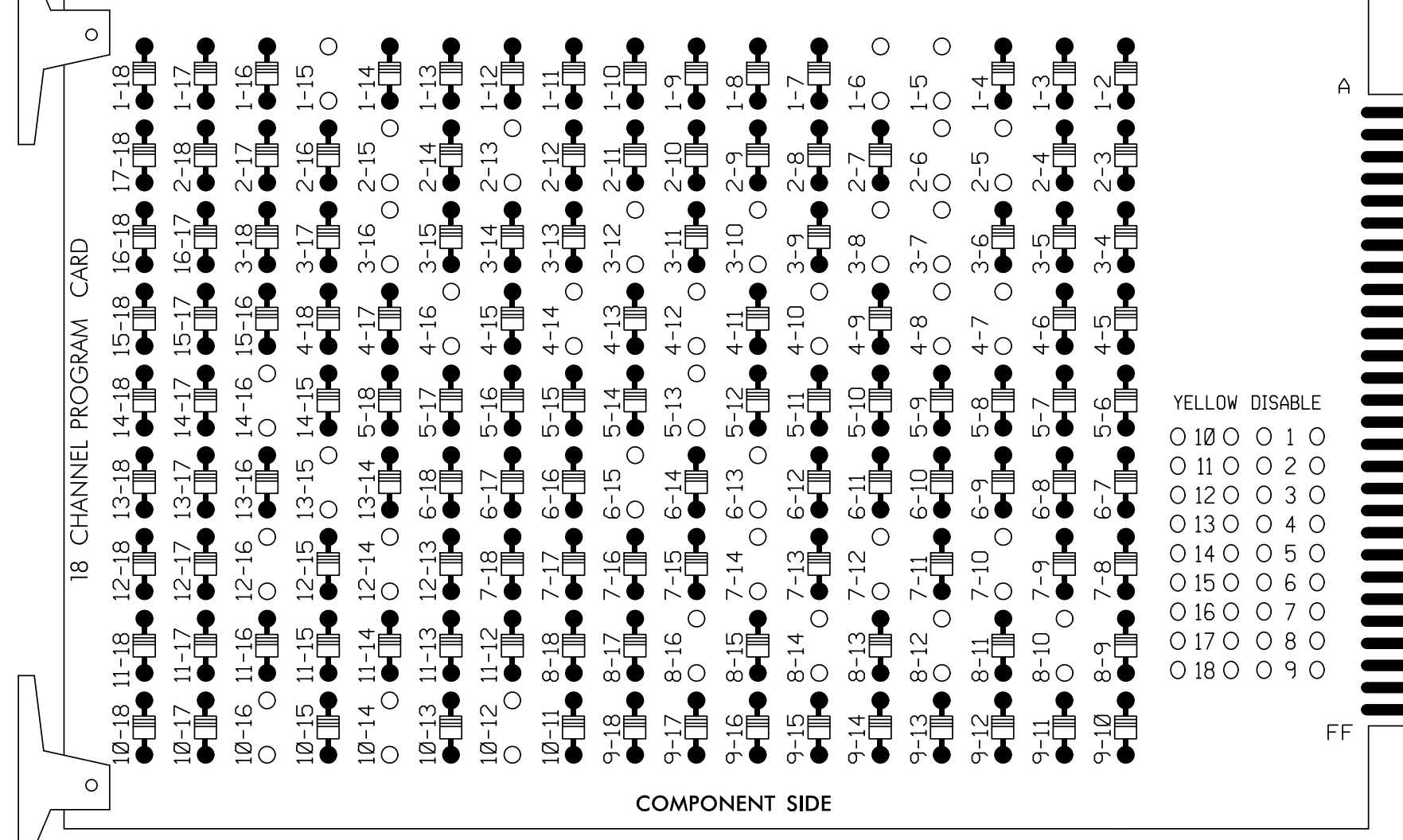


EDI MODEL 2018ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL

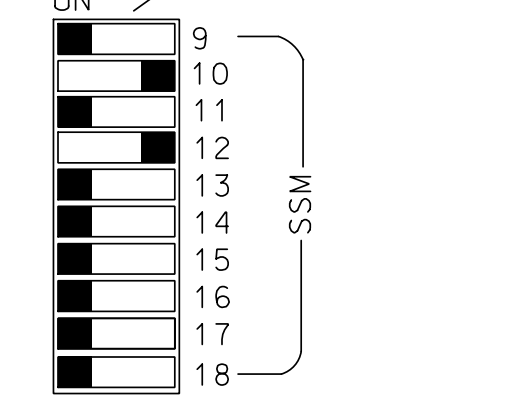
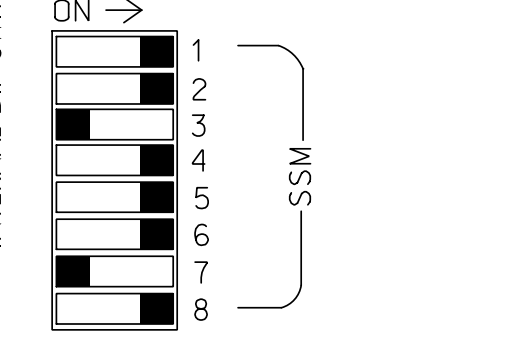
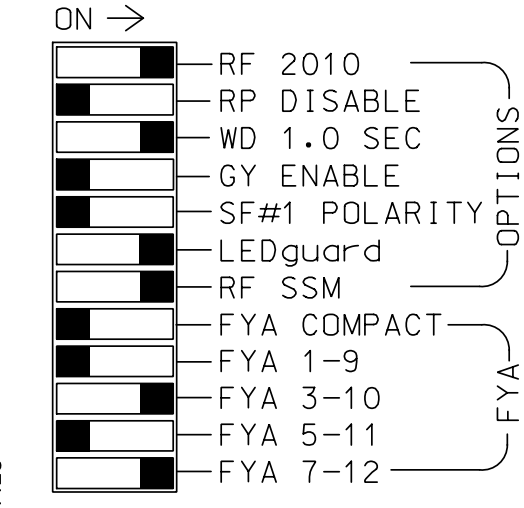
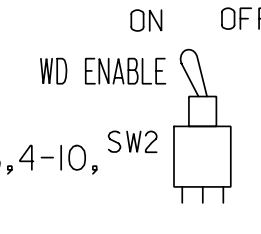
(remove jumpers and set switches as shown)
 REMOVE DIODE JUMPERS 1-5,1-6,1-15,2-5,2-6,2-13,2-15,3-7,3-8,3-10,3-12,3-16,4-7,4-8,4-10,4-12,4-14,4-16,5-13,6-13,6-15,7-10,7-12,7-14,8-10,8-12,8-14,8-16,10-12,10-14,10-16,12-14,12-16,13-15 and 14-16



REMOVE JUMPERS AS SHOWN

NOTES:

- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
- Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
- Ensure that Red Enable is active at all times during normal operation.
- Integrate monitor with Ethernet network in cabinet.



■ = DENOTES POSITION OF SWITCH

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 controller to start up in phase 2 Walk and 6 Walk.
- 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,S3,S4,S5,S6,S7,S8,S9,S10,S11,S12,AUX S2,AUX S5
 PHASES USED.....1,2,2PED,3,4,4PED,5,6,6PED,7,8,8PED
 OVERLAP "A".....NOT USED
 OVERLAP "B".....*
 OVERLAP "C".....NOT USED
 OVERLAP "D".....*
 * See overlap programming detail on sheet 2

SIGNAL HEAD HOOK-UP CHART

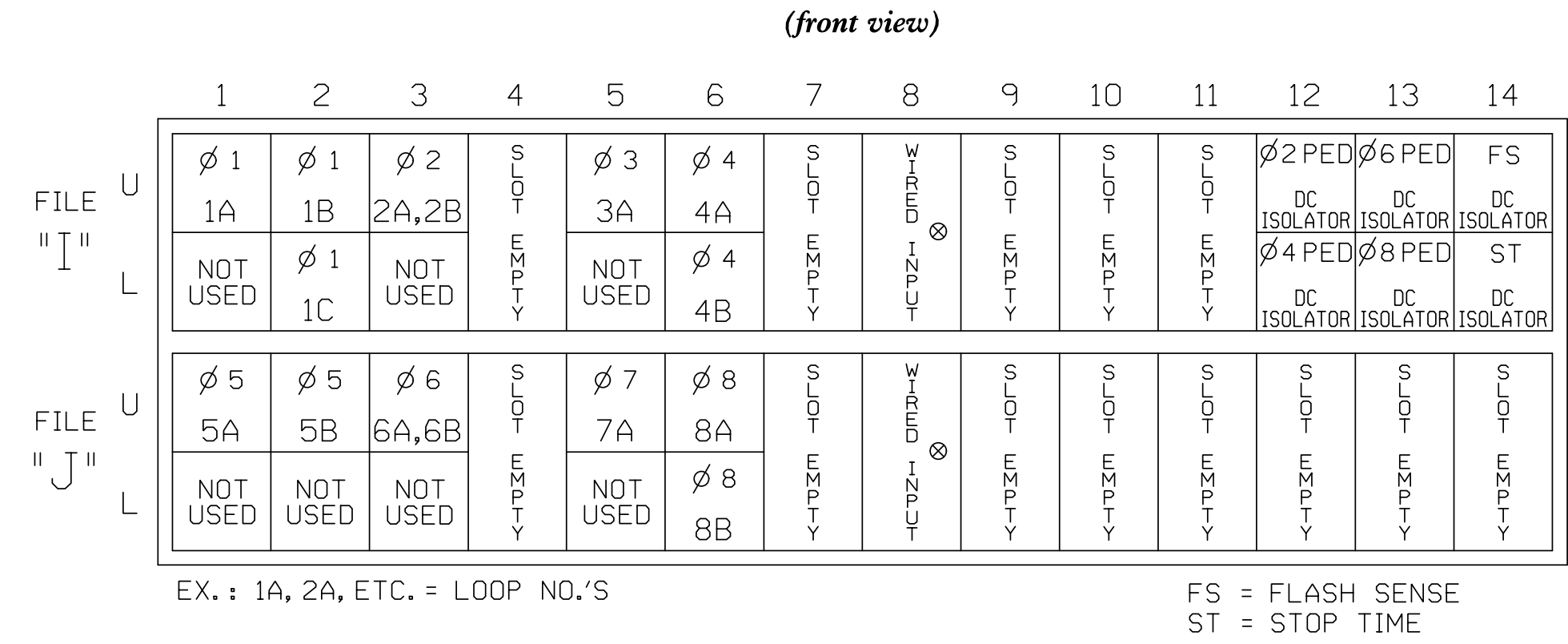
LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
EDU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	11,12	82	21,22	P21, P22	31	41,42	P41, P42	51,52	61,62	P61, P62	71	81,82	P81, P82	NU	31	NU	NU	71
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					A125				A102	
FLASHING YELLOW ARROW													A126				A103	
GREEN ARROW	127	127		118				133		124								
				113				104		119			110					
				115				106		121			112					

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



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

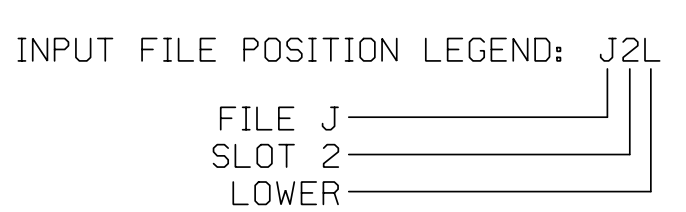
FS = FLASH SENSE
 ST = STOP TIME

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		3	S
1B	TB2-5,6	I2U	39	2	1	YES			S
1C	TB2-7,8	I2L	43	12	1	YES		15	S
2A, 2B	TB2-9,10	I3U	63	32	2	YES			S
3A ¹	TB4-5,6	I5U	58	3	3	YES		15	S
	-	J8U	50	28	8	YES		3	S
4A	TB4-9,10	I6U	41	4	4	YES			S
4B	TB4-11,12	I6L	45	14	4	YES		10	S
5A	TB3-1,2	J1U	55	5	5	YES		3	S
5B	TB3-5,6	J2U	40	6	5	YES			S
6A, 6B	TB3-9,10	J3U	64	36	6	YES			S
7A ²	TB5-5,6	J5U	57	7	7	YES		15	S
	-	I8U	49	24	4	YES		3	S
8A	TB5-9,10	J6U	42	8	8	YES			S
8B	TB5-11,12	J6L	46	18	8	YES			S
PED PUSH BUTTONS									
P21,P22	TB8-4,6	I12U	67	PED 2	2	PED			
P41,P42	TB8-5,6	I12L	69	PED 4	4	PED			
P61,P62	TB8-7,9	I13U	68	PED 6	6	PED			
P81,P82	TB8-8,9	I13L	70	PED 8	8	PED			

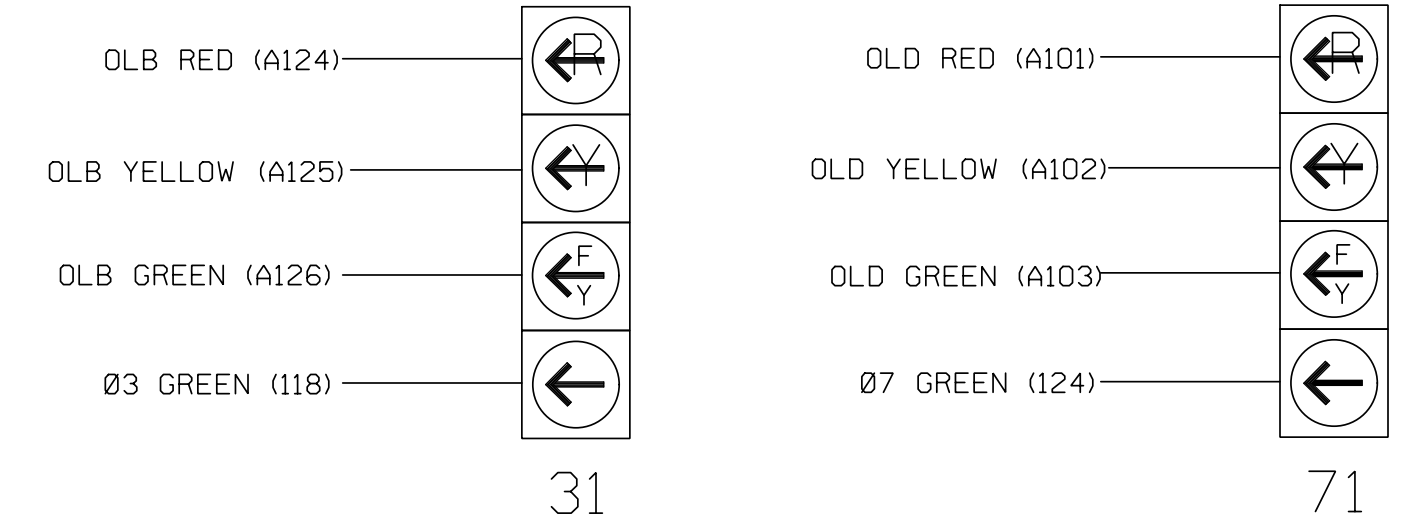
NOTE:
 INSTALL DC ISOLATORS IN INPUT FILE SLOTS 112 AND 113.

- Add jumper from I5-W to J8-W, on rear of input file.
- Add jumper from J5-W to I8-W, on rear of input file.



FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)

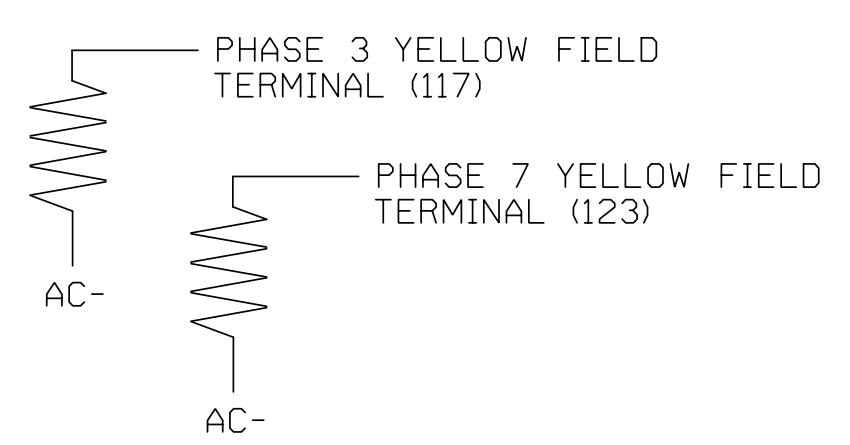


LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown)

ACCEPTABLE VALUES

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



Electrical Detail Sheet 1 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Electrical and Programming Details For: **SR 3828 (Robeson St/Bragg Blvd) at Hay Street**

Division 6 Cumberland County Fayetteville

PLAN DATE: June 2016 REVIEWED BY: KP Baumann

PREPARED BY: SP Pennington REVIEWED BY: SL Phillips

REVISIONS: _____ INIT. DATE

7/13/2016
 K:\MAIL_TPT\K-SIGNALS\4011036345 Fayetteville Electrical\Coals\654 - Signal Design\6181- Submit\11 6-17-16\121 06-0018_2016el1.dgn
 Susan Pennington

PLANS PREPARED IN THE OFFICE OF:
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 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 032607
 STACIE L. PHILLIPS

DocuSign
 7/14/2016
 DATE

SIG. INVENTORY NO. 06-0018