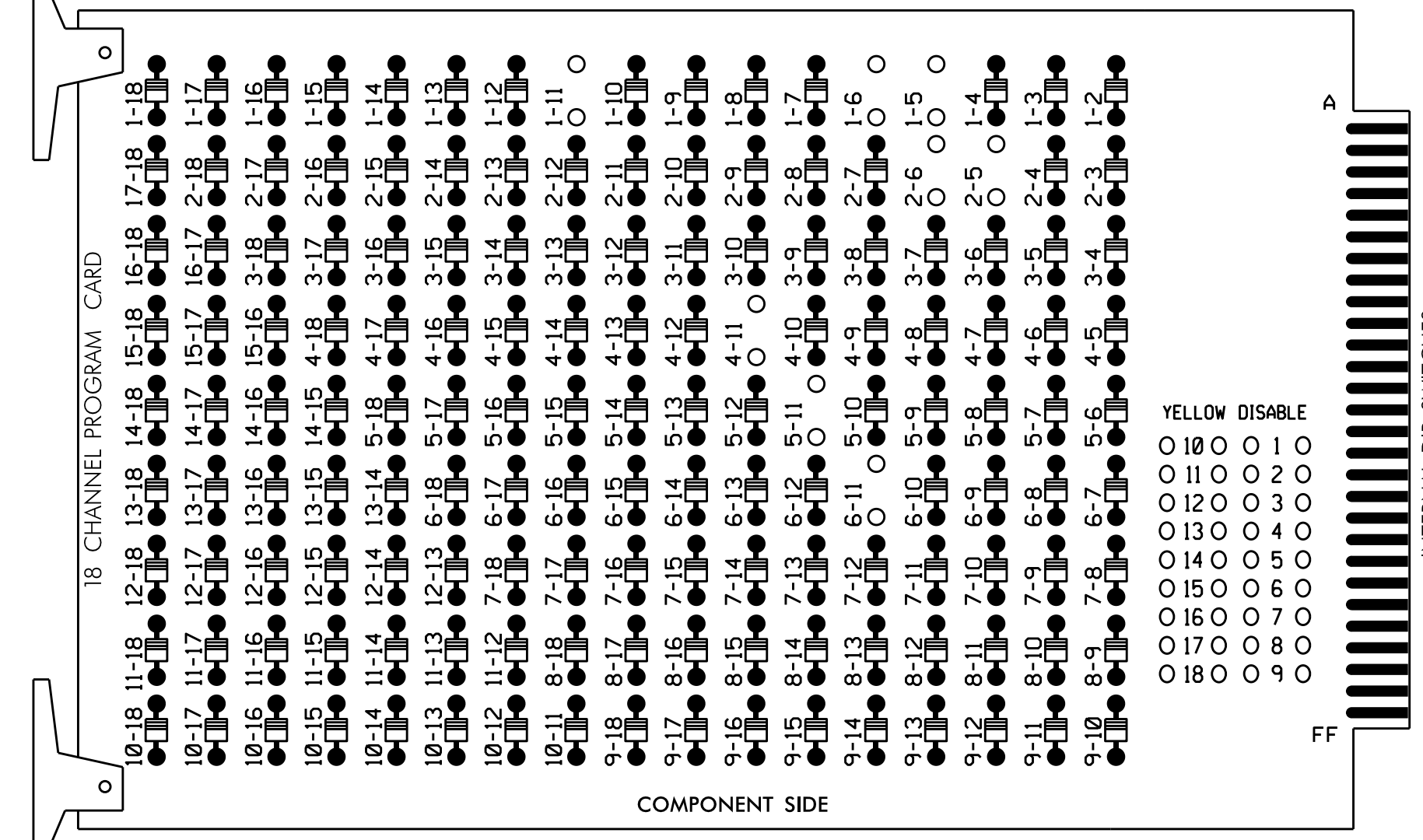


EDI MODEL 2018EClip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

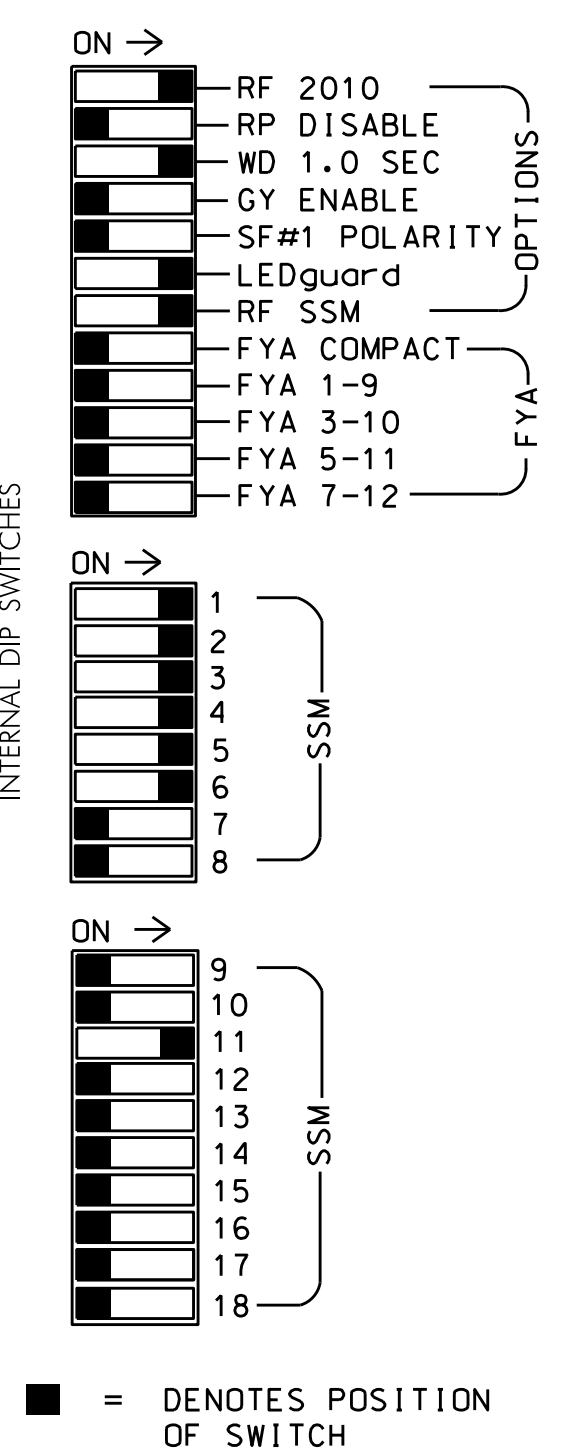
REMOVE DIODE JUMPERS 1-5, 1-6, 1-11, 2-5, 2-6, 4-11, 5-11, and 6-11.



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.



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.	11,12	21,22	NU	31	32	22	41	42	NU	32	51	61,62	NU	NU	NU	43,44	NU	NU
RED		128		116	116		101	101				134						A114
YELLOW		129		117	117		102	102				135						
GREEN		130		118	118		103	103				136						
RED ARROW	125										131							
YELLOW ARROW	126						102			132	132							A115
GREEN ARROW	127			118			103	103		133	133							A116

NU = Not Used

EQUIPMENT INFORMATION

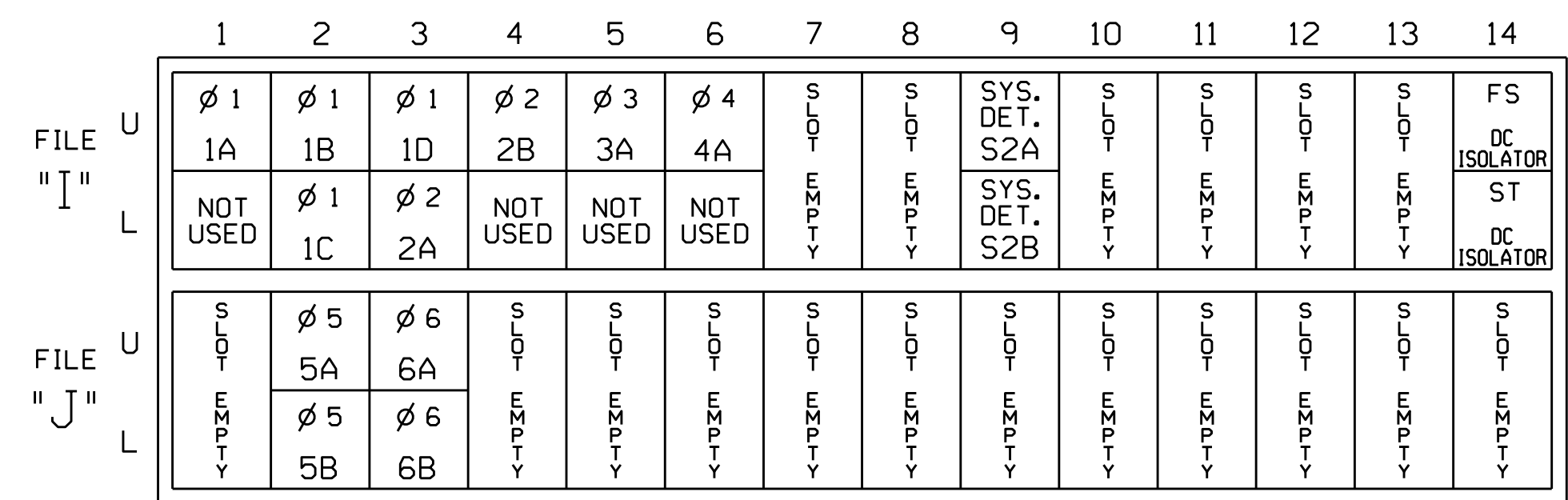
CONTROLLER.....2070E
 CABINET.....332 W/AUX
 SOFTWARE.....ECONOLITE ASC/3-2070
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S1,S2,S4,S5,S7,S8,AUX S4
 PHASES USED.....1,2,3,4,5,6
 OVERLAP "A".....NOT USED
 OVERLAP "B".....NOT USED
 OVERLAP "C".....1+4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

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.
- 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.

INPUT FILE POSITION LAYOUT

(front view)



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

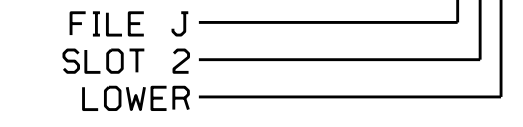
FS = FLASH SENSE
 ST = STOP TIME

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	11U	56	1	1	YES		2	S
1B	TB2-5,6	12U	39	2	1	YES			S
★ 1C	TB2-7,8	12L	43	12	1	YES		15	N
★ 1D	TB2-9,10	13U	63	32	1	YES		15	N
2A	TB2-11,12	13L	76	42	2	YES			N
2B	TB4-1,2	14U	47	22	2	YES			N
3A	TB4-5,6	15U	58	3	3	YES			S
4A	TB4-9,10	16U	41	4	4	YES			S
5A	TB3-5,6	J2U	40	6	5	YES			S
5B	TB3-7,8	J2L	44	16	5	YES	1.0	15	S
6A	TB3-9,10	J3U	64	36	6	YES			N
6B	TB3-11,12	J3L	77	46	6	YES			N
* S2A	TB6-9,10	19U	60	11	SYS	NO			N
* S2B	TB6-11,12	19L	62	13	SYS	NO			N

- * System detector only. Remove any assigned vehicle phase.
- ★ Enable detectors 12 and 32 as Cross Switch detectors and program their cross switch phase as phase 4 per the Vehicle Detector Setup Programming Detail shown on sheet 2.

INPUT FILE POSITION LEGEND: J2L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0575
 DESIGNED: June 2016
 SEALED: 8/3/2016
 REVISED: N/A

Electrical Detail - Sheet 1 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared In the Offices of:

 750 N. Greenfield Pkwy, Garner, NC 27529

NC 162 (Bingham Drive) / NC 162 (George Owen Drive) at SR 1107 (Fisher Rd) / Gas Station

Division 6 Cumberland County Hope Mills

PLAN DATE: July 2016 REVIEWED BY: BAS

PREPARED BY: S. Armstrong REVIEWED BY:

REVISIONS INIT. DATE

DocuSigned by:

 Keith M. Mins 9/1/2016

SIG. INVENTORY NO. 06-0575