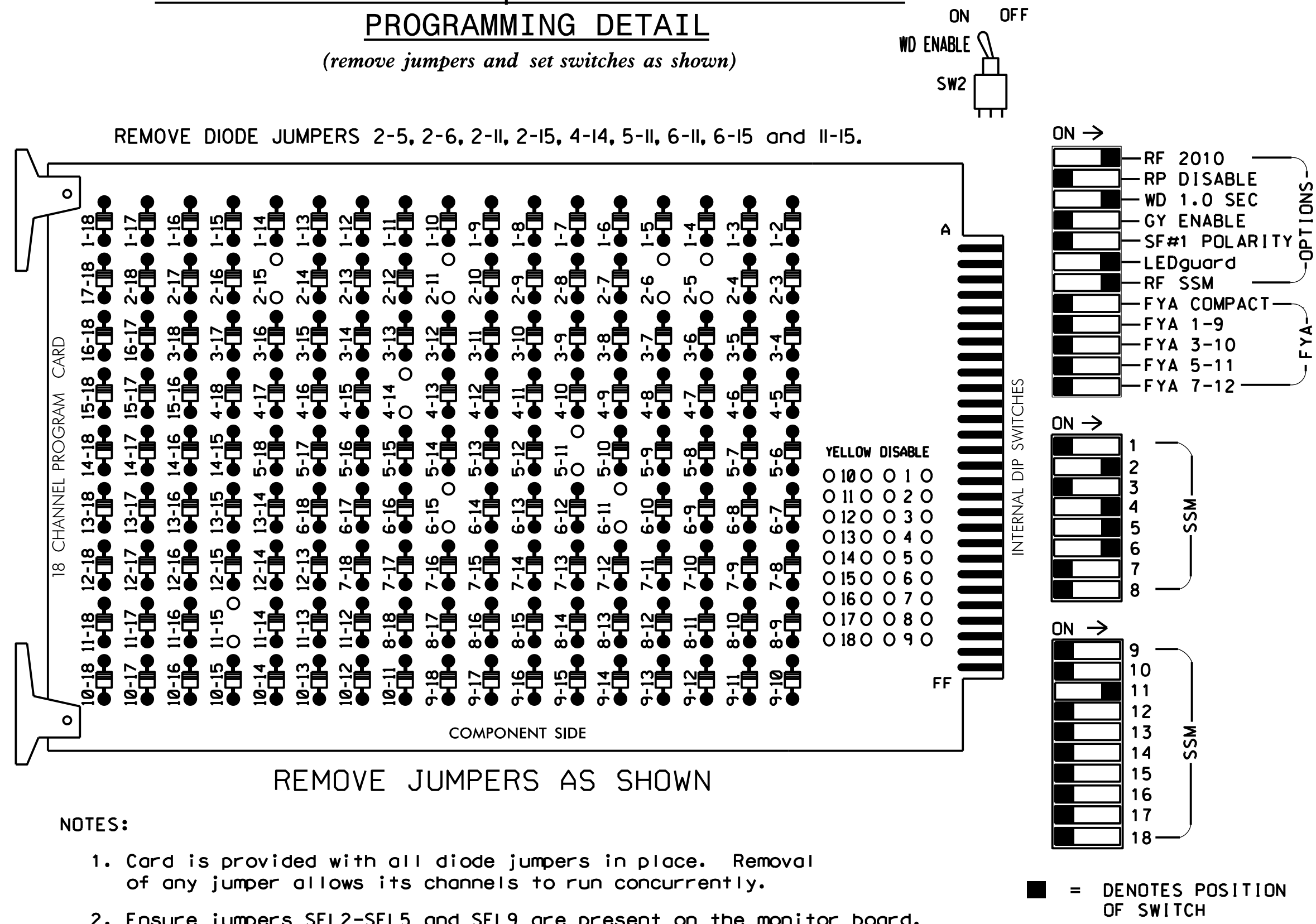


EDI MODEL 2018EClip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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.
- 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.
- Program phases 4 and 6 for 'STARTUP PED CALL'.
- Program phases 2 and 6 for Yellow Flash.

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.....S2,S5,S6,S7,S8,S9,AUX S4
 PHASES USED.....2,4,5,6
 OVERLAP "A".....NOT USED
 OVERLAP "B".....NOT USED
 OVERLAP "C".....*
 OVERLAP "D".....NOT USED
 * 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.	NU	21,22	NU	NU	41,42	62	P41 P42	42	51*	61,62	P61 P62	NU	NU	NU	NU	51*	NU	NU	
RED		128			101	*		*		134									
YELLOW		129			102					135									
GREEN		130			103					136									
RED ARROW																		A114	
YELLOW ARROW						102	132												A115
FLASHING YELLOW ARROW																			A116
GREEN ARROW						103	133	133											
Hand						104				119									
Person						106				121									

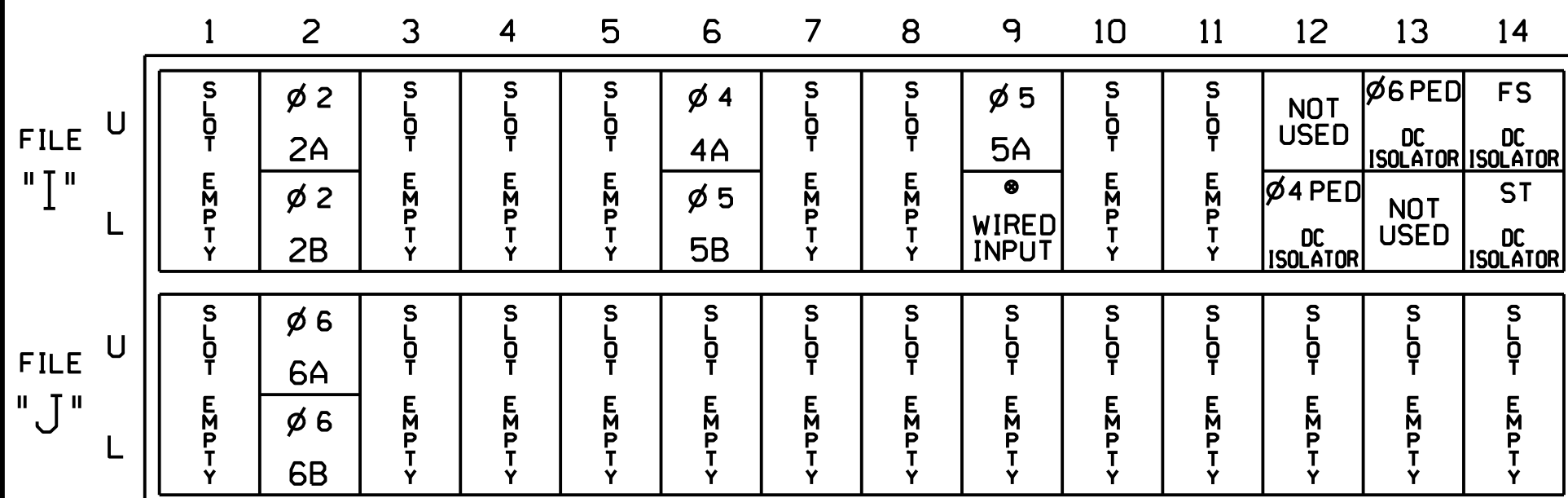
NU = Not Used

* 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)

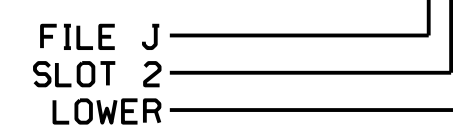


INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	EXTEND TIME	DELAY TIME	DETECTOR TYPE
2A	TB2-5,6	I2U	39	2	2			S
2B	TB2-7,8	I2L	43	12	2			S
4A	TB4-9,10	I6U	41	4	4			S
5A	TB6-9,10	I9U	60	11	5		15	S
	TB6-11,12	I9L	62	13	2		3	G
5B	TB4-11,12	I6L	45	14	5		15	S
6A	TB3-5,6	J2U	40	6	6			S
6B	TB3-7,8	J2L	44	16	6			S
PED PUSH BUTTONS								
P41, P42	TB8-5,6	I12L	69	PED 4	4	PED		
P61, P62	TB8-7,9	I13U	68	PED 6	6	PED		

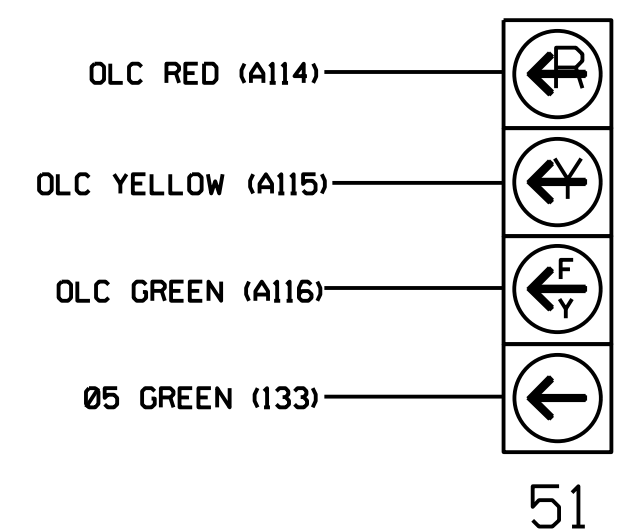
* Add jumper from I9-F to I9-W, on rear of input file.

INPUT FILE POSITION LEGEND: J2L



FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)

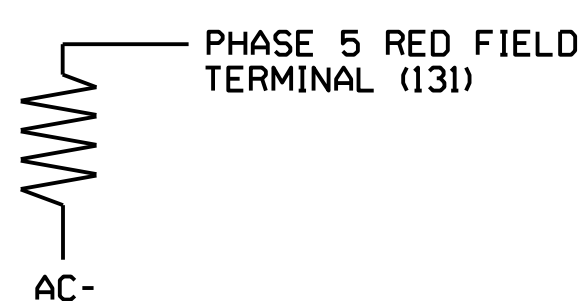


LOAD RESISTOR INSTALLATION DETAIL

(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: C026
 DESIGNED: NOVEMBER 2016
 SEALED: 11/18/2016
 REVISED:

Electrical Detail Sheet 1 of 2

Hatch Mott MacDonald

PO Box 700
Fayetteville, NC 27526
www.hatchmott.com

HATCH MOTT MACDONALD & E, LLC
LICENSE NO. P4669

VILLAGE DRIVE AT METRO MEDICAL DRIVE

DIV 06 CUMBERLAND COUNTY FAYETTEVILLE

PLAN DATE: NOVEMBER 2016 REVIEWED BY: RWT

PREPARED BY: BLR REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL

DocuSigned by:
Russell W. Thompson
11/21/2016

SIG. INVENTORY NO. C026

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