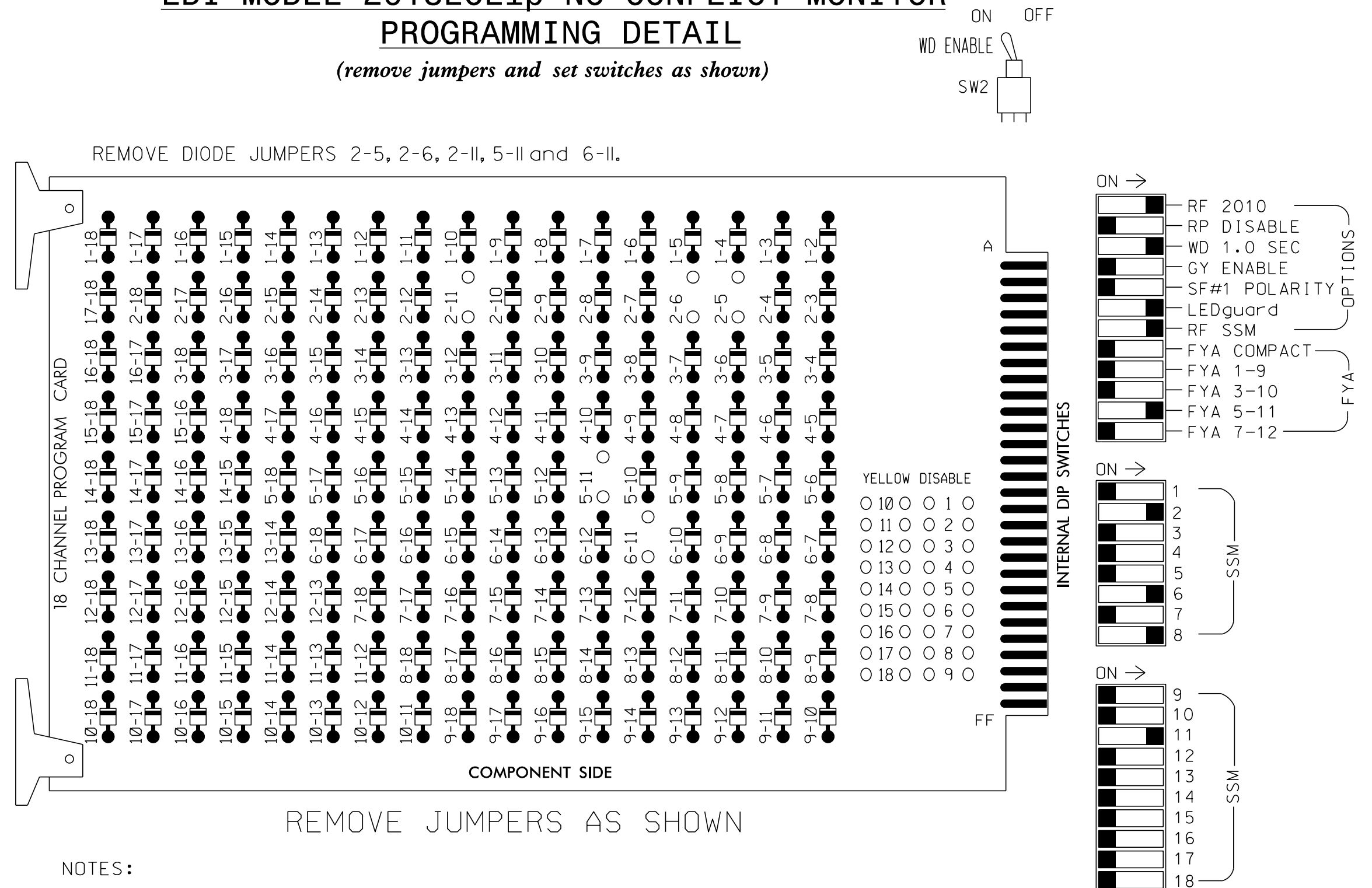


EDI MODEL 2018EClip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches 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.

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 Start Up In Green.
- Program phases 2 and 6 for Yellow Flash.
- The cabinet and controller are part of the High Point Signal System.

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	NU	NU	51*	61,62,63	NU	NU	81,82	NU	NU	NU	NU	51*	NU	NU	
RED		128						134			107								
YELLOW		129					*	135			108								
GREEN		130						136			109								
RED ARROW																		A114	
YELLOW ARROW																			A115
FLASHING YELLOW ARROW																			A116
GREEN ARROW								133											

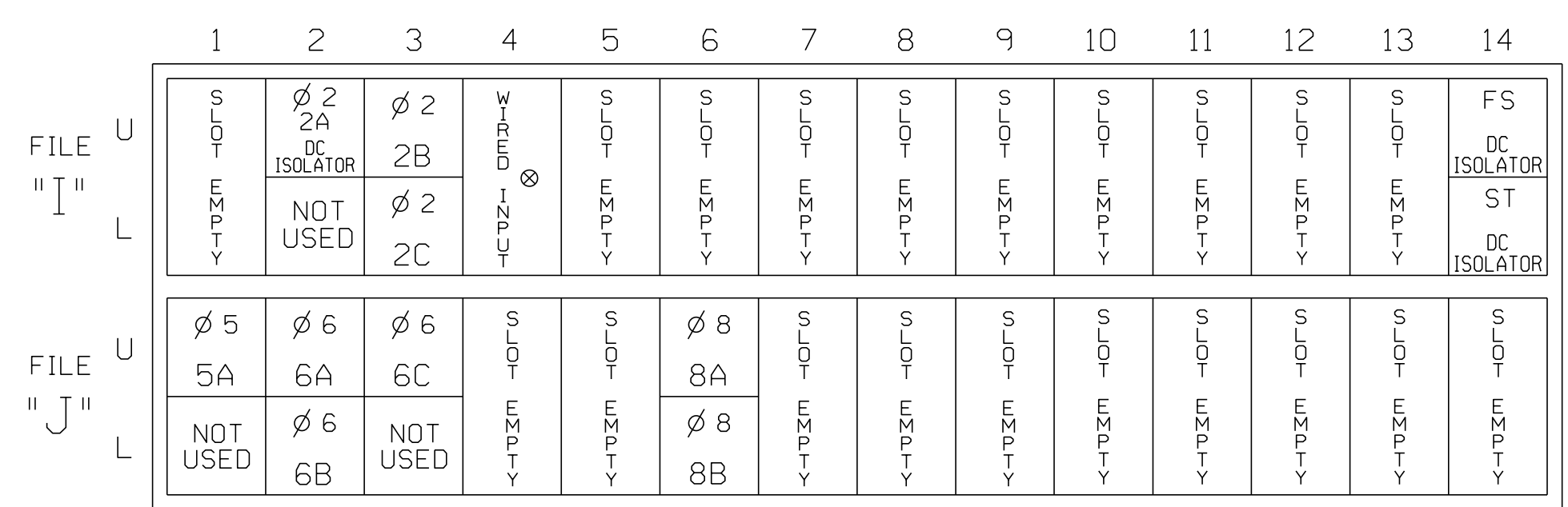
NU = Not Used
 * Denotes install load resistor. See load resistor installation detail this sheet.
 * See pictorial of head wiring in detail this sheet.

EQUIPMENT INFORMATION

CONTROLLER.....2070E
 CABINET.....332 W/ AUX
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S2,S7,S8,S11,AUX S4
 PHASES USED.....2,5,6,8
 OVERLAP "A".....NOT USED
 OVERLAP "B".....NOT USED
 OVERLAP "C".....5+6
 OVERLAP "D".....NOT USED

INPUT FILE POSITION LAYOUT

(front view)

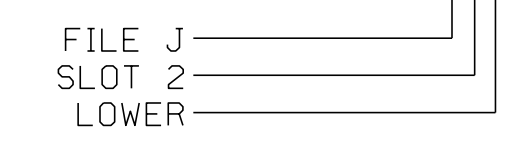


INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
★ 2A	TB2-5,6	I2U	39	1	2	2	Y	Y	-	1.0	---
2B	TB2-9,10	I3U	63	25	32	2	Y	Y	-	---	---
2C	TB2-11,12	I3L	76	38	42	2	Y	Y	-	---	---
5A ¹	TB3-1,2	J1U	55	17	5	5	Y	Y	-	---	15
		I4U	47	9	22	2	Y	Y	-	---	---
6A	TB3-5,6	J2U	40	2	6	6	Y	Y	-	---	---
6B	TB3-7,8	J2L	44	6	16	6	Y	Y	-	---	---
6C	TB3-9,10	J3U	64	26	36	6	Y	Y	-	---	---
8A	TB5-9,10	J6U	42	4	8	8	Y	Y	-	---	---
8B	TB5-11,12	J6L	46	8	18	8	Y	Y	-	---	---

¹Add jumper from J1-W to I4-W, on rear of input file.
 ★ Microwave pulse detector. See wiring and programming detail on sheet 3.

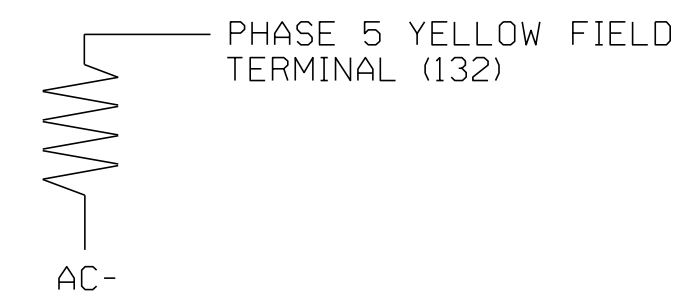
INPUT FILE POSITION LEGEND: J2L



LOAD RESISTOR INSTALLATION DETAIL

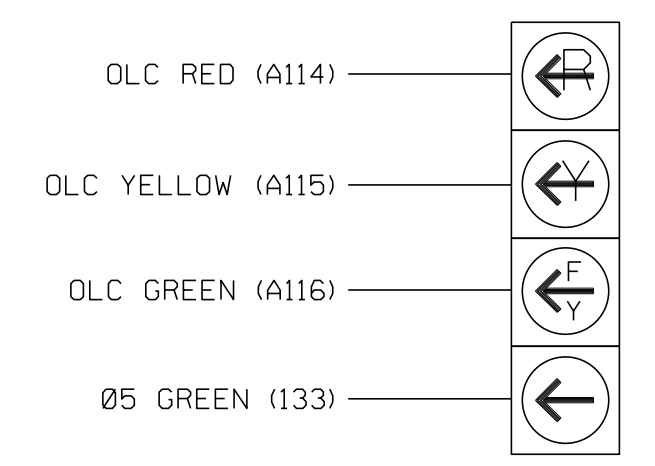
(install resistors as shown below)

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



FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



51

NOTE

The sequence display for signal head 51 requires special logic programming. See sheet 2 for programming instructions.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 07-1592
 DESIGNED: February 2018
 SEALED:
 REVISED: _____

Electrical Detail - Sheet 1 of 3

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

M M
MOTT MACDONALD
 PO Box 700
 Fuquay-Varina, NC 27526
 www.mottmac.com
 License No. F-0663

ELECTRICAL AND PROGRAMMING DETAILS FOR:
 Prepared for the Offices of:

 750 N. Greenfield Pkwy, Garner, NC 27529

SR 1486 (Greensboro Road)
 at
 I-74 WB/US 311 NB Ramps
 Division 7 Guilford County High Point
 PLAN DATE: February 2018 REVIEWED BY: T. PATE
 PREPARED BY: B. LEHAN REVIEWED BY: R. THOMPSON

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 BRENDAN A. LEHAN
 SEAL 045256
 DocuSigned by:
 Brendan Lehan 3/20/2018
 DATE
 SIG. INVENTORY NO. 07-1592

\$\$\$\$\$SYTIME\$\$\$\$\$
 \$\$\$\$\$\$DOCSIGN\$\$\$\$\$
 \$\$\$\$\$\$FILENAME\$\$\$\$\$