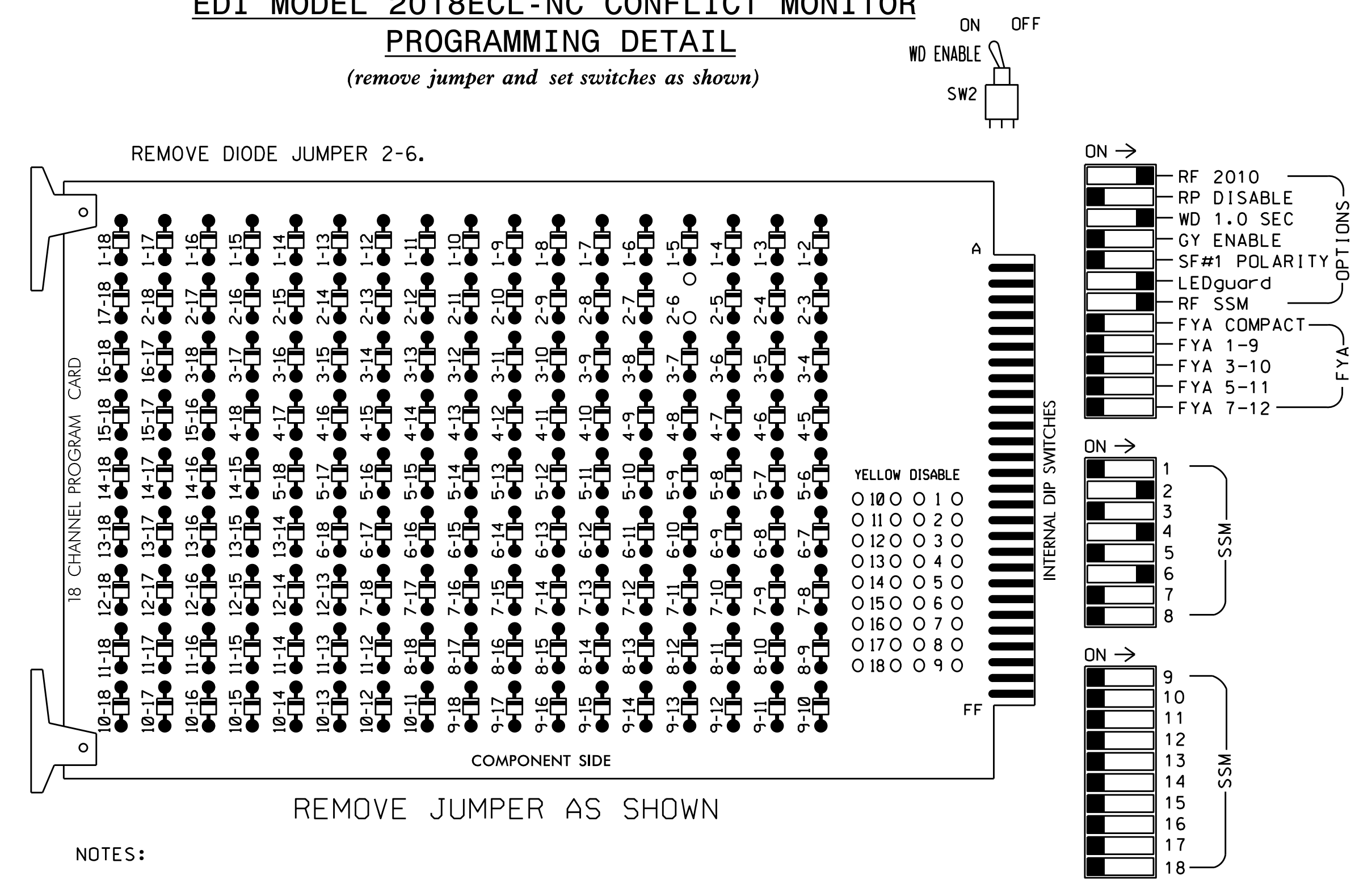


EDI MODEL 2018ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumper and set switches as shown)



NOTES:

1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
2. Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
3. Ensure that Red Enable is active at all times during normal operation.
4. Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.

NOTES

1. 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.
2. Enable Simultaneous Gap-Out for all phases.
3. Program phases 2 and 6 for Variable Initial and Gap Reduction.
4. Program phases 2 and 6 for Start Up In Green.
5. Program phases 2 and 6 for Yellow Flash.
6. The cabinet and controller are part of the US 70 (Havelock) Closed Loop System.

EQUIPMENT INFORMATION

CONTROLLER.....2070
 CABINET.....336
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....POLE
 OUTPUT FILE POSITIONS...12
 LOAD SWITCHES USED.....S2,S3*,S5,S8,S9*
 PHASES USED.....2,4,6
 OVERLAPS.....NONE
 * Used for Advance Beacon only.

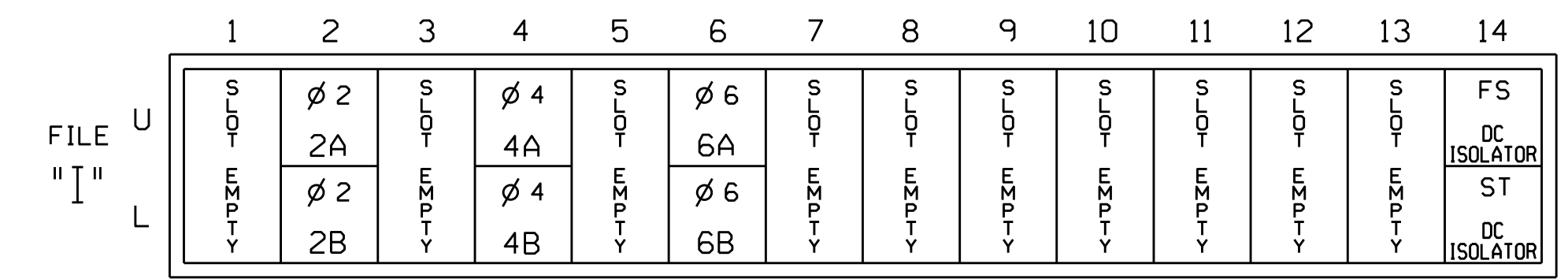
SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16
PHASE	1	2	2 PED ADVANCE BEACON	3	4	4 PED	5	6	6 PED ADVANCE BEACON	7	8	8 PED
SIGNAL HEAD NO.	NU	21,22 23	NU	24,26	NU	41,42 43,44	NU	NU	61,62	NU	25,27	NU
RED		128							134			
YELLOW		129							135			
GREEN		130							136			
RED ARROW					101							
YELLOW ARROW					102							
GREEN ARROW					103							
PED YELLOW					** 114				** 120			

NU = Not Used
 * Denotes install load resistor. See load resistor installation detail on sheet 2.
 ** Special advance beacons will be wired to S3-Y S9-Y. See wiring and programming details on sheet 2 of this electrical detail.

INPUT FILE POSITION LAYOUT

(front view)



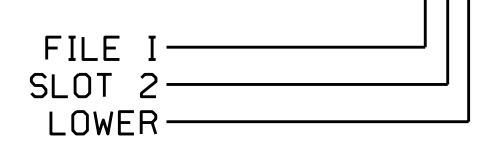
EX. : 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
 ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
2A	TB21-3,4	I2U	39	1	2	2	Y	Y			
2B	TB23-3,4	I2L	43	5	12	2	Y	Y			
4A	TB21-7,8	I4U	41	3	4	4	Y	Y			
4B	TB23-7,8	I4L	45	7	14	4	Y	Y			
6A	TB21-11,12	I6U	40	2	6	6	Y	Y			
6B	TB23-11,12	I6L	44	6	16	6	Y	Y			

INPUT FILE POSITION LEGEND: I2L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 02-0672
 DESIGNED: October 2016
 SEALED: 2/2/2017
 REVISED: N/A

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Electrical Detail - Final - Sheet 1 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared In the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

US 70 at Slocum Road

Division 2 Craven County Havelock

PLAN DATE: January 2017 REVIEWED BY: BAS

PREPARED BY: S. Armstrong REVIEWED BY:

SEAL

2/28/2017 DATE

SIG. INVENTORY NO. 02-0672