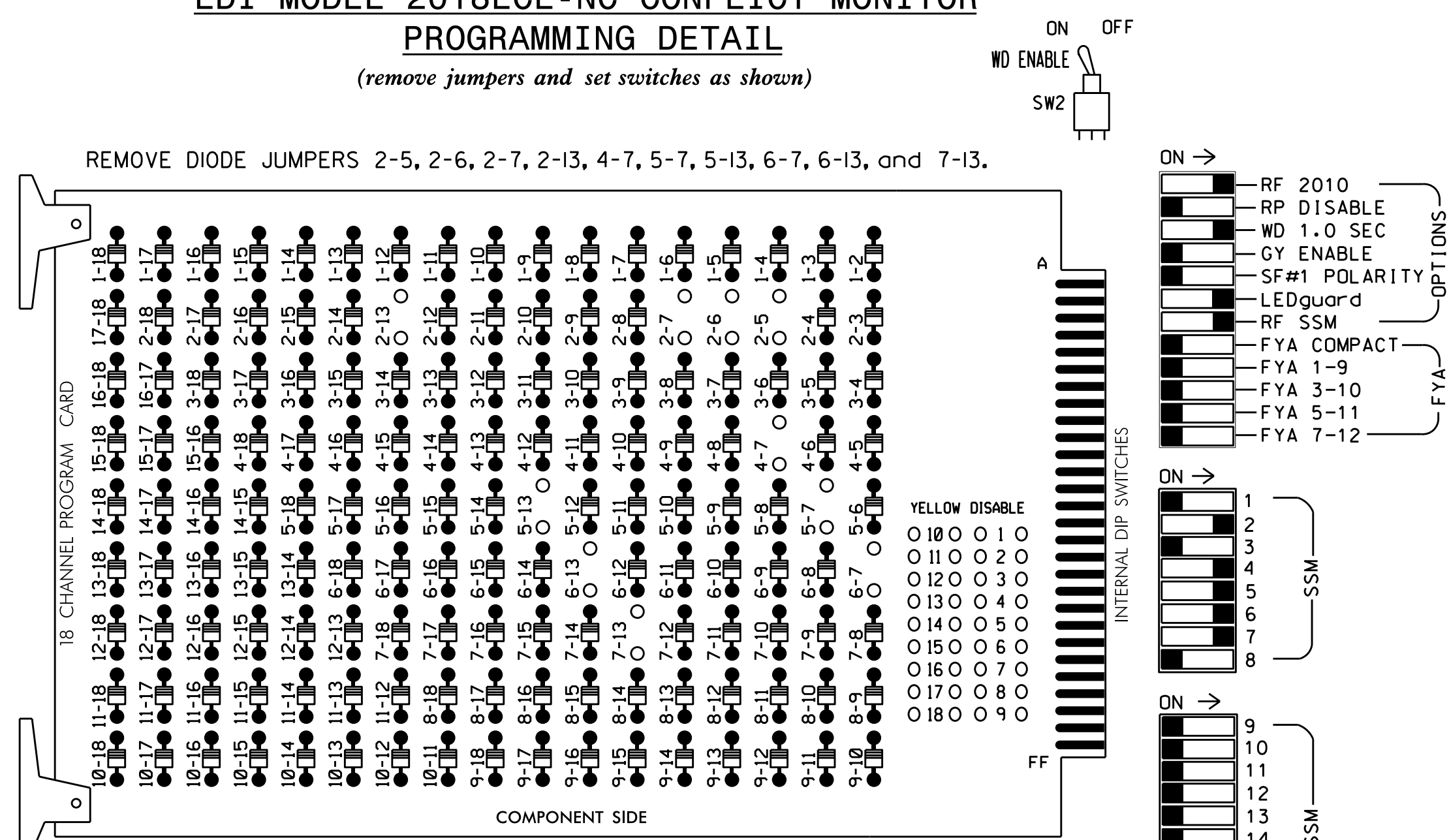


EDI MODEL 2018ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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.
- Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.

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 controller to start up in phases 2 and 6 green.
- Enable simultaneous gap-out feature, on controller unit, for all phases.
- The cabinet and controller are part of the Raleigh Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070
 CABINET.....332
 SOFTWARE.....SE-PAC2070
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...12
 LOAD SWITCHES USED.....S2,S3,S5,S7,S8,S10,S12*
 PHASES USED.....2,2PED,4,5,6
 OVERLAP "F".....2+4+5+6
 OVERLAP "G".....2

* Used for Advance Beacons. See sheet 3 for details.

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	3	4	4 PED	5	6	6 PED	OLF	8	OLG
SIGNAL HEAD NO.	NU	21,22 25	P21, P22	NU	41,42	NU	51	61,62 63,64	NU	51,52	NU	ADVANCE BEACON
RED		128			101		*	134		122		
YELLOW		129			102			135		123		
GREEN		130			103			136		124		
RED ARROW												
YELLOW ARROW							132					
GREEN ARROW							133					
Hand icon			113								**	110
PED YELLOW											**	111
Person icon			115								*	

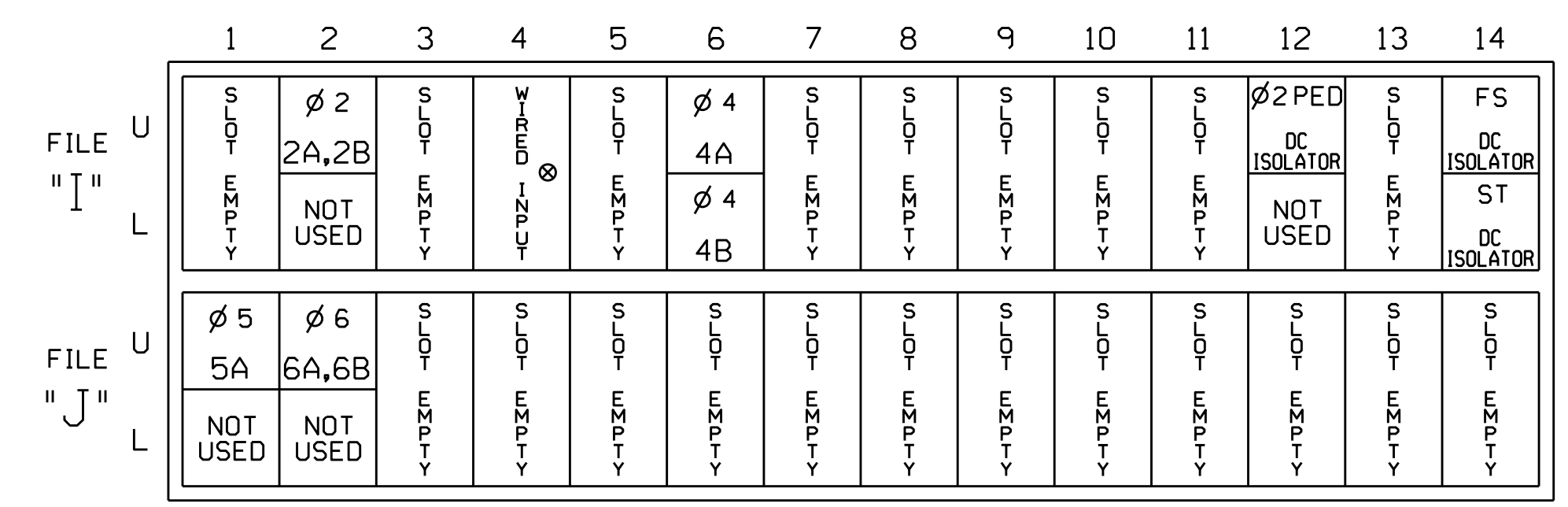
NU = Not Used

* Denotes install load resistor. See load resistor installation detail this sheet.

** Used for Advance Beacon control. See sheet 3 for Advance Beacon Relay Control and Sign Wiring Detail.

INPUT FILE POSITION LAYOUT

(front view)



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

FS = FLASH SENSE
ST = STOP TIME

Wired Input - Do not populate slot with detector card

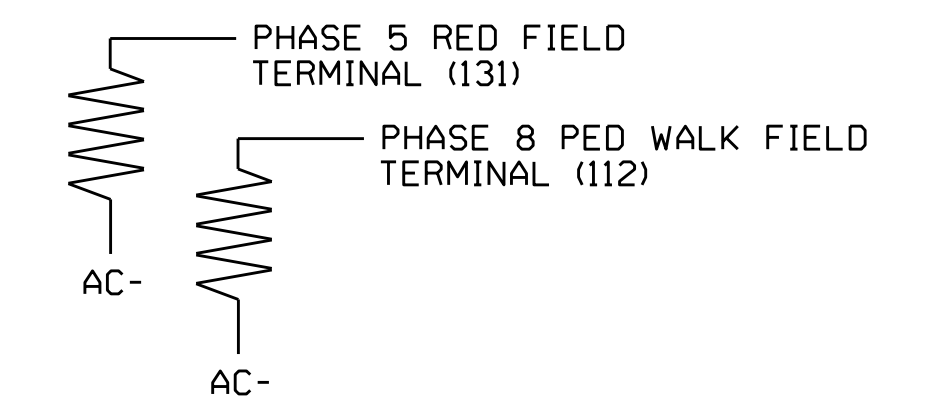
COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown below)

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



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 05-1642T3
 DESIGNED: December 2015
 SEALED: 2/1/2016
 REVISED: N/A

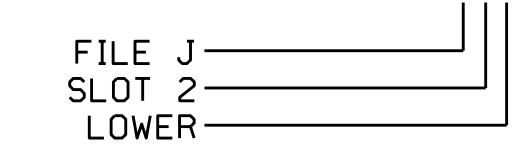
INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	DELAY TIME	EXTEND (STRETCH) TIME
2A,2B	TB2-5,6	I2U	39	3	2		
4A	TB4-9,10	I6U	41	11	4		
4B	TB4-11,12	I6L	45	12	4	15	
5A ¹	TB3-1,2	J1U	55	19	5	15	
	-	I4U	47	7	2		
6A,6B	TB3-5,6	J2U	40	21	6		
PED PUSH BUTTONS							
P21,P22	TB8-4,6	I12U	67	PED 2	2 PED		

NOTE:
INSTALL DC ISOLATOR IN INPUT FILE SLOT I12.

¹Add jumper from J1-W to I4-W, on rear of input file.

INPUT FILE POSITION LEGEND: J2L



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Electrical Detail - Temp Design 3 (TMP Area II Phase III-IV) - Sheet 1 of 3

Prepared in the Offices of: 750 Greenfield Parkway, Garner, NC 27529	W. Peace Street at US 70 WB-401/NC 50 NB (Capital Blvd.) Ramps		SEAL KEITH M. MIMS
	Division 5 Wake County Raleigh	PLAN DATE: January 2016 REVIEWED BY: T. Joyce PREPARED BY: S. Armstrong REVIEWED BY:	
REVISIONS		INIT. DATE	DocuSigned by: Keith M. Mims 2/2/2016 DATE

SIG. INVENTORY NO. 05-1642T3

05-1642-2016_10236
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