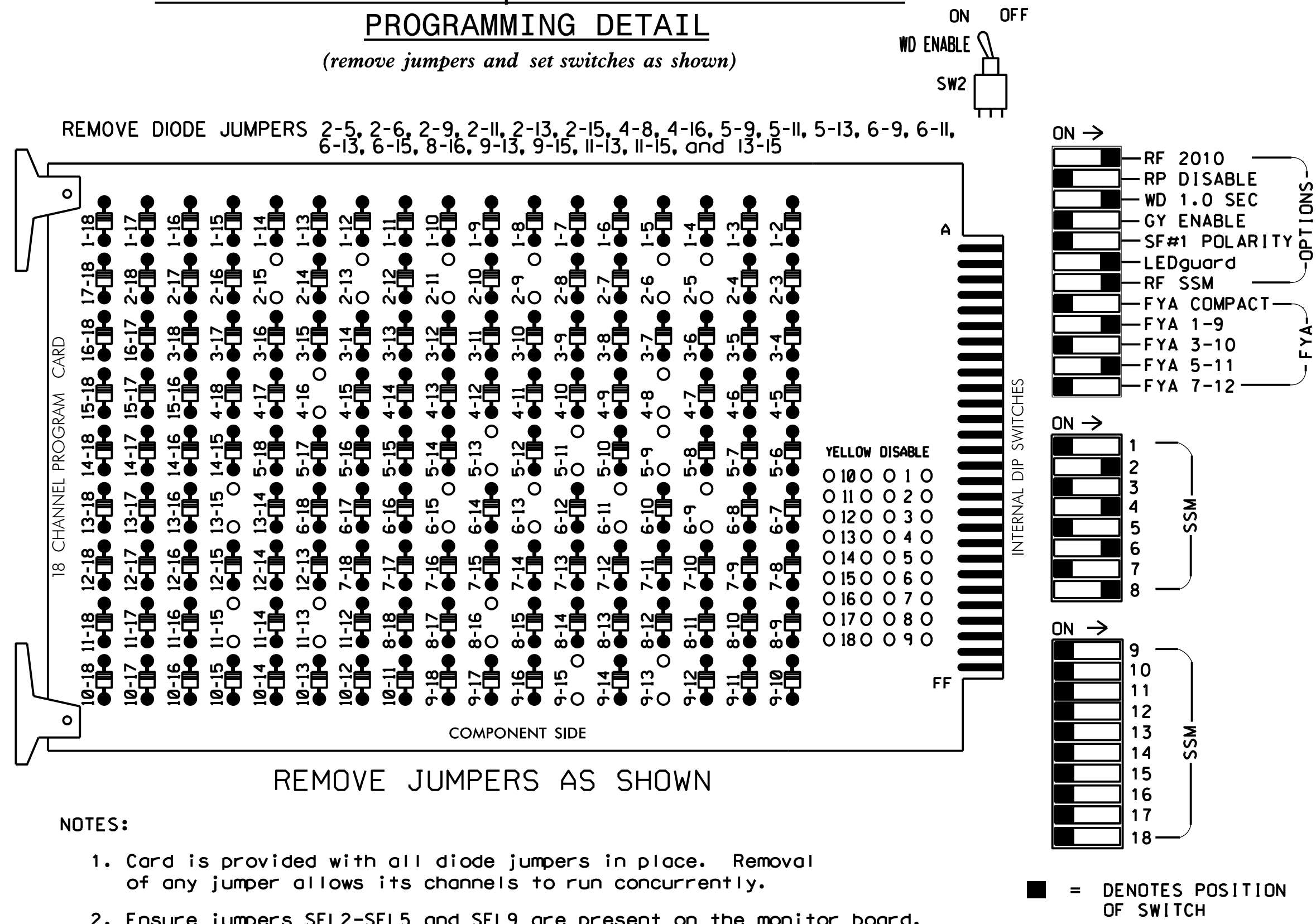


EDI MODEL 2018ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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.
- Program phases 4 and 8 for Dual Entry.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for Start Up In Green.
- Program phases 2, 6, and 8 for 'STARTUP PED CALL'.
- Program phases 2 and 6 for Yellow Flash.
- Polara Engineering pushbutton integrated accessible pedestrian signal equipment (Navigator APS) to be installed and wired per manufacturer's instructions.
- The cabinet and controller are part of the Fayetteville City System.

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,S3,S5,S7,S8,S9,S11,S12,AUX S1,AUX S4
 PHASES USED.....2,4,5,6,8
 OVERLAP "A".....*
 OVERLAP "B".....NOT USED
 OVERLAP "C".....*
 OVERLAP "D".....NOT USED

* See overlap programming detail on sheet 2

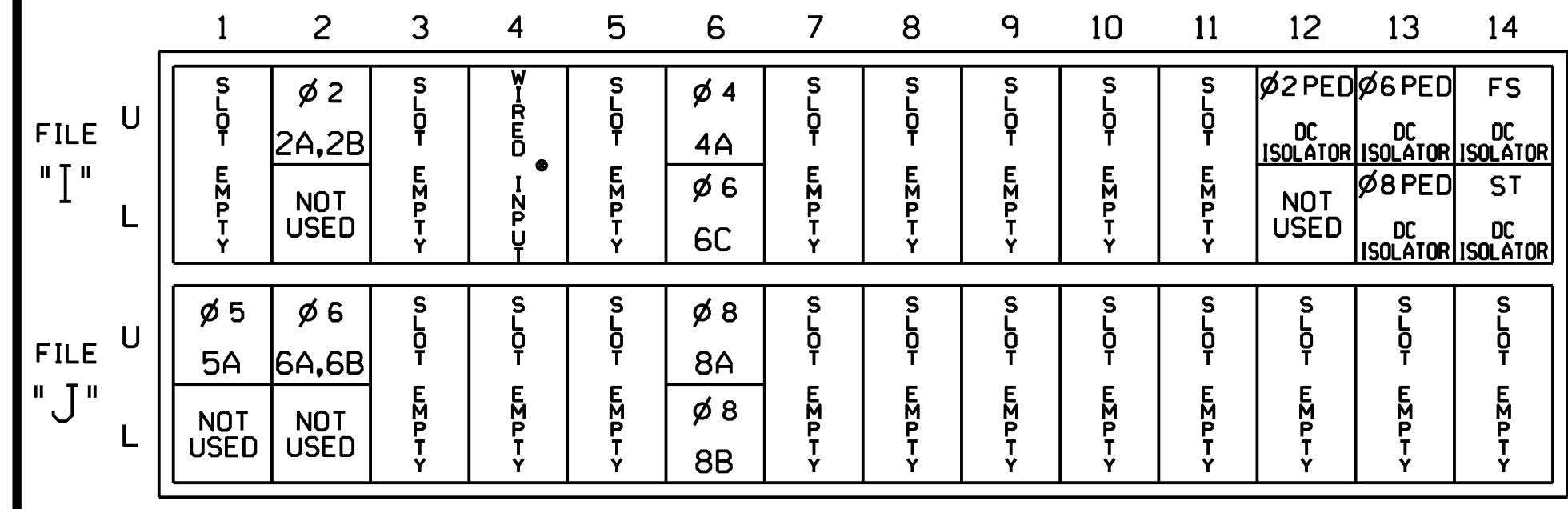
SIGNAL HEAD HOOK-UP CHART

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	P21, P22	NU	41,42	NU	51	62,63	P61, P62	NU	81,82	P81, P82	61	NU	NU	51	NU	NU
RED	128			101				134			107							
YELLOW	129			102		*		135			108							
GREEN	130			103				136			109							
RED ARROW													A121			A114		
YELLOW ARROW													A122			A115		
FLASHING YELLOW ARROW													A123			A116		
GREEN ARROW							133											
Hand			113						119			110						
Walking			115						121			112						

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

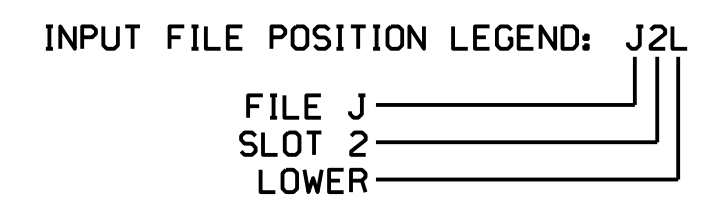
(front view)



INPUT FILE CONNECTION & PROGRAMMING CHART

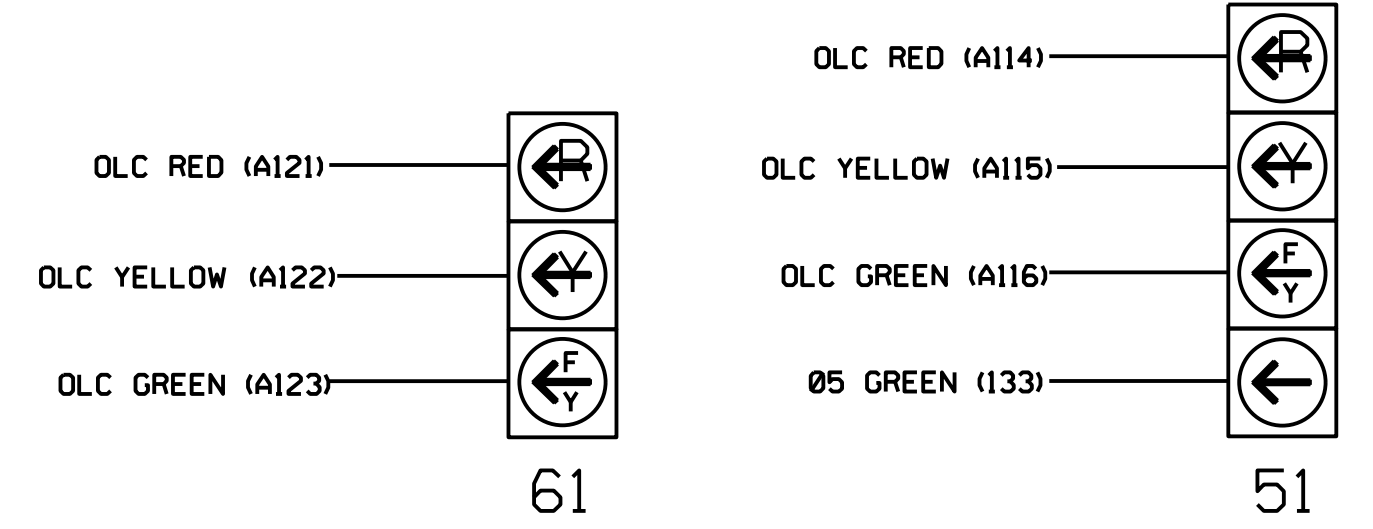
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	EXTEND TIME	DELAY TIME	DETECTOR TYPE
2A,2B	TB2-5,6	I2U	39	2	2			S
4A	TB4-9,10	I6U	41	4	4		3	S
5A	TB3-1,2	J1U	55	5	5		15	S
	TB4-1,2	I4U	47	22	2			G
6A,6B	TB3-5,6	J2U	40	6	6			S
6C	TB4-11,12	I6L	45	14	6			S
8A	TB5-9,10	J6U	42	8	8		3	S
8B	TB5-11,12	J6L	46	18	8		15	S
PED PUSH BUTTONS								
P21, P22	TB8-4,6	I12U	67	PED 2	2 PED			
P61, P62	TB8-7,9	I13U	68	PED 6	6 PED			
P81, P82	TB8-8,9	I13L	70	PED 8	8 PED			

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



FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



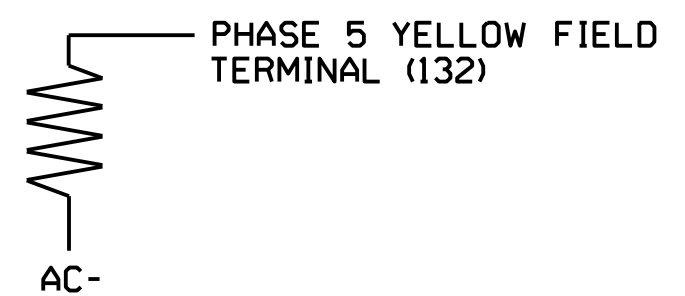
NOTE
 The sequence display for signal head 51 requires special logic programming. See sheet 2 for programming instructions.

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)



Electrical Detail Sheet 1 of 2

Hatch Mott MacDonald

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

HAY STREET AT WOODSIDE AVENUE

DIV 06 CUMBERLAND COUNTY FAYETTEVILLE

PLAN DATE: NOVEMBER 2016 REVIEWED BY: RWT

PREPARED BY: BLR REVIEWED BY:

REVISIONS	INIT.	DATE

DocuSigned by:
Russell W Thompson 11/21/2016

SIG. INVENTORY NO. C010

SEAL

default \\NCF-DATA\Proj\360655_U-5742_Fay-Sig\Project\Sig\Design\100%\FINAL SEALED PLANS\Revised 11/21/2016\Woodside.et_Hey.dgn 11/21/2016