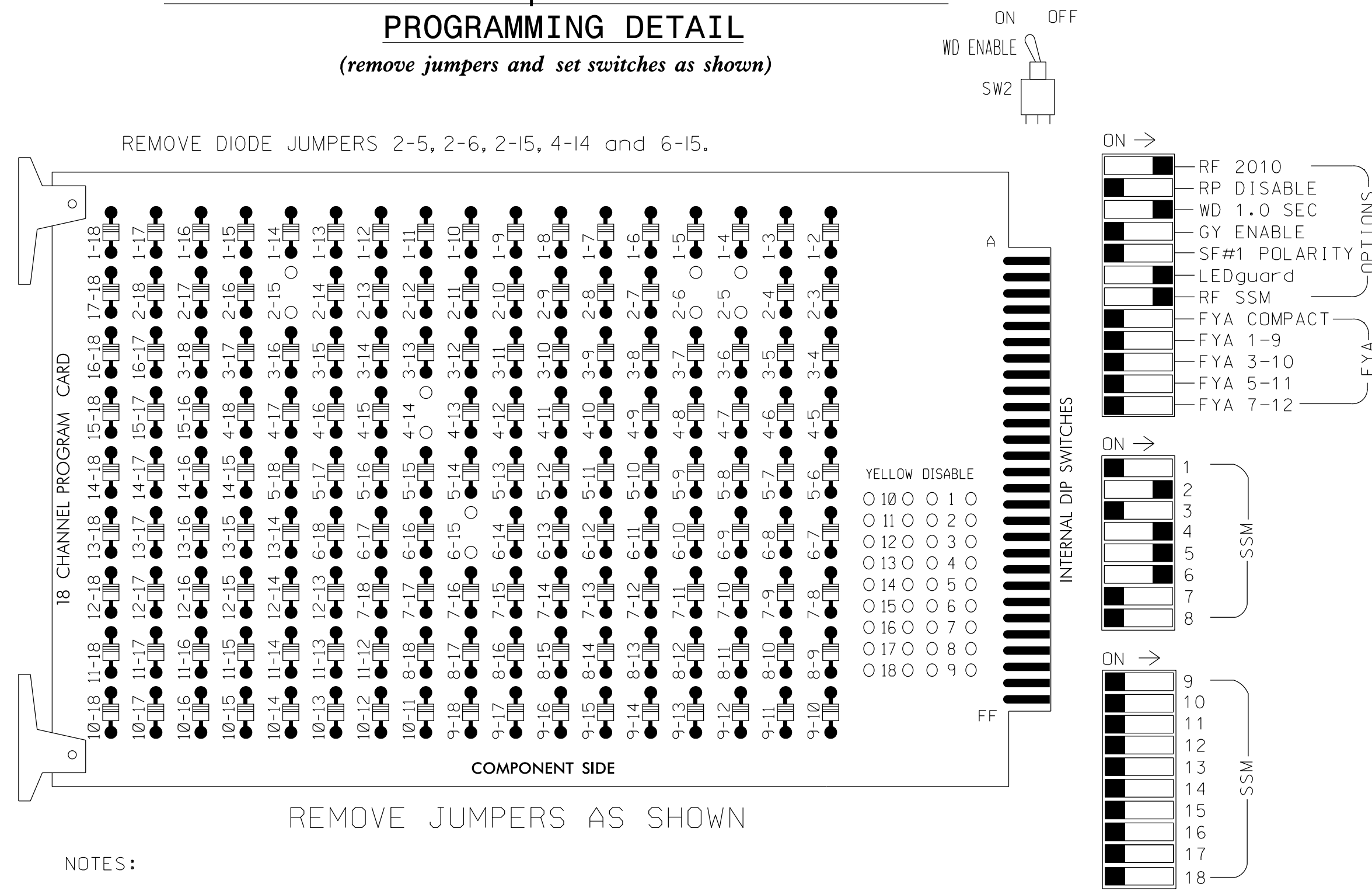


**EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL**

(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 Fayetteville City System.
- Program phases 2 and 6 for 'STARTUP PED CALL'.

**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	7	8	8 PED
SIGNAL HEAD NO.	NU	21,22	NU	NU	41,42	P41,P42 P43,P44	21	61,62	P61 P62	NU	NU	NU
RED		128			101		*	134				
YELLOW		129			102			135				
GREEN		130			103			136				
RED ARROW												
YELLOW ARROW								132				
GREEN ARROW								133				
Hand								104		119		
Person								106		121		

NU = Not Used

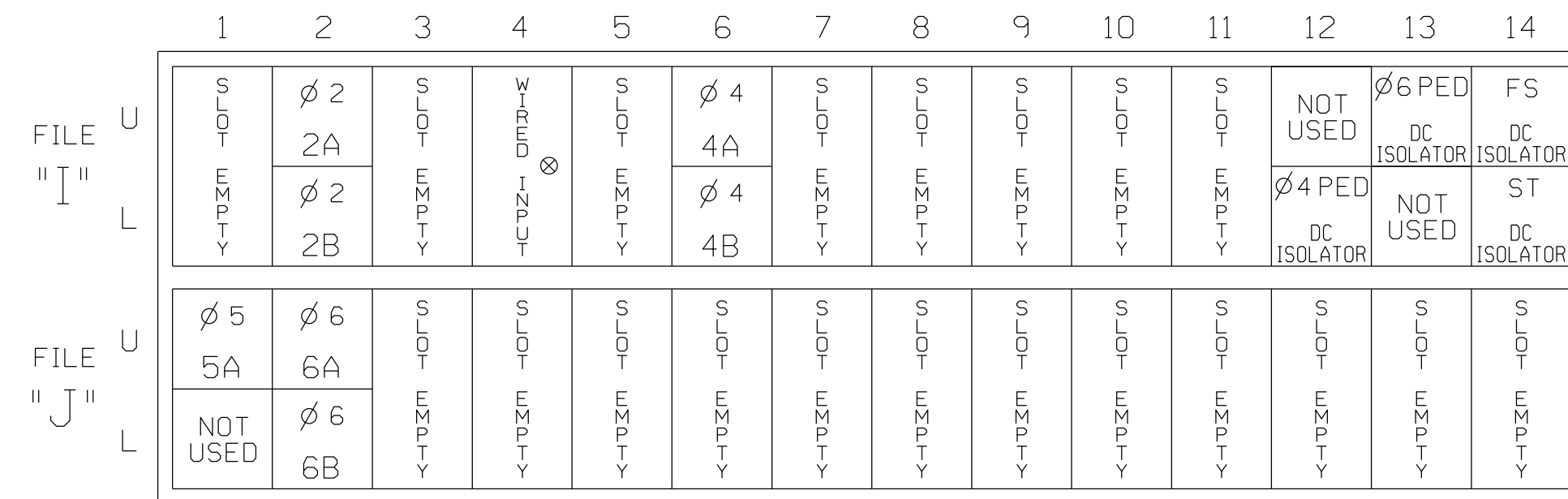
\* Denotes install load resistor. See load resistor installation detail this sheet.

**EQUIPMENT INFORMATION**

CONTROLLER.....2070E  
 CABINET.....332  
 SOFTWARE.....ECONOLITE ASC/3-2070  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...12  
 LOAD SWITCHES USED.....S2,S3,S5,S6,S7,S8  
 PHASES USED.....2,4,5,6,4PED,6PED  
 OVERLAPS.....NONE

**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

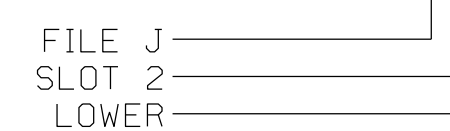
**INPUT FILE CONNECTION & PROGRAMMING CHART**

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	DETECTOR TYPE
2A	TB2-5,6	I2U	39	2	2	YES			S
2B	TB2-7,8	I2L	43	12	2	YES			S
4A	TB4-9,10	I6U	41	4	4	YES			S
4B	TB4-11,12	I6L	45	14	4	YES			S
5A*	TB3-1,2	J1U	55	5	5	YES			S
		I4U	47	22	2	YES			S
6A	TB3-5,6	J2U	40	6	6	YES			S
6B	TB3-7,8	J2L	44	16	6	YES			S
PED PUSH BUTTONS									
P41,P42 P43,P44	TB8-5,6	I12L	69	PED 4	4	PED			
P61,P62	TB8-7,9	I13U	68	PED 6	6	PED			

NOTE:  
 INSTALL DC ISOLATORS IN INPUT FILE SLOTS 112 AND 113.

\* Add jumper from J1-F to I4-F

**INPUT FILE POSITION LEGEND: J2L**



**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.

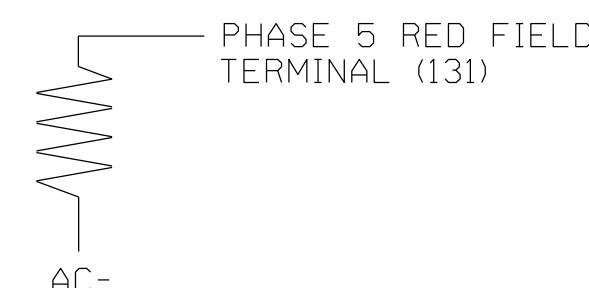
THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: C020  
 DESIGNED: NOVEMBER 2016  
 SEALED: 11/18/2016  
 REVISED:

**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**

Prepared In the Offices of:  
  
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 www.hatchmott.com  
 HATCH MOTT MACDONALD & E, LLC  
 LICENSE NO. F4669



ROSEHILL ROAD AT CHADWICK ROAD

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  
 DATE  
 SIG. INVENTORY NO. C020

default \\NCF-DATA\Project\360655\_U-5742\_Fay-Sig\Project\Sig\Design\FINAL SEALED PLANS\Revised 11/20/16\Rosehill.at.Chadwick.dgn  
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