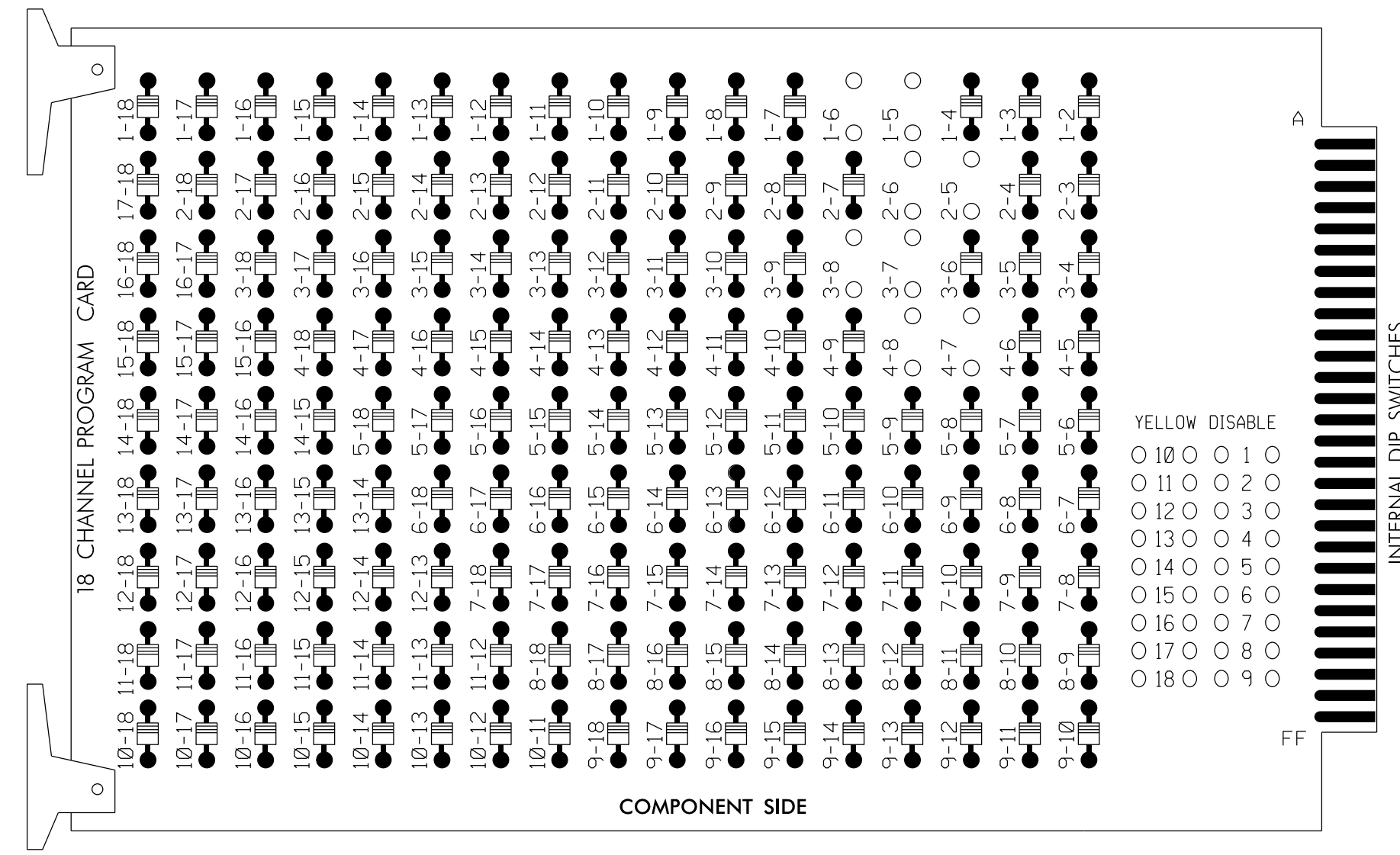


EDI MODEL 2018EClip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

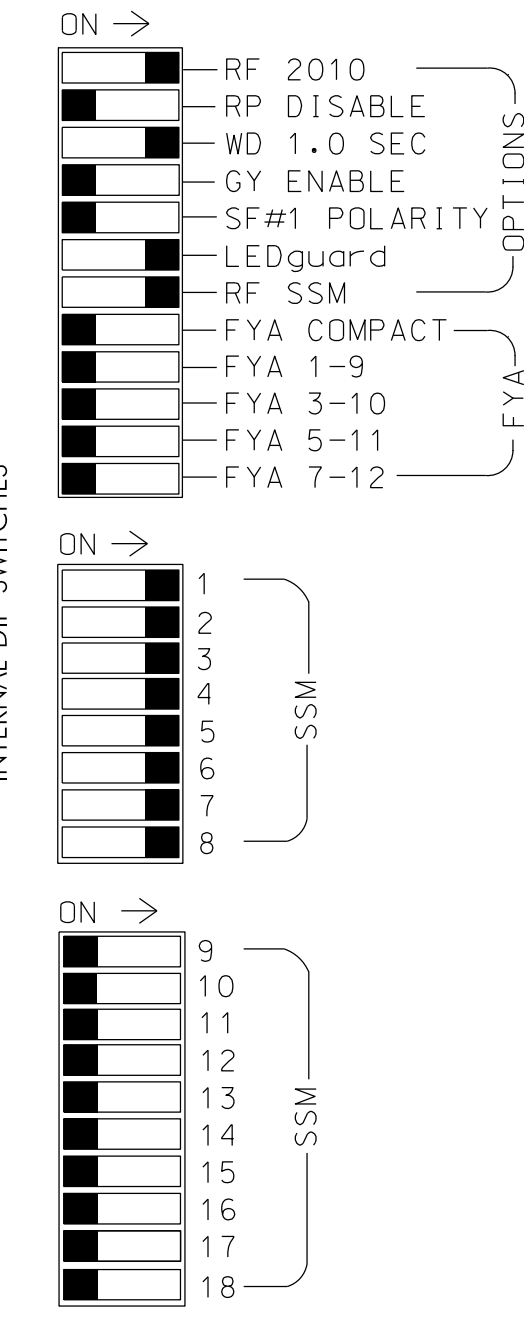
REMOVE DIODE JUMPERS 1-5, 1-6, 2-5, 2-6, 3-7, 3-8, 4-7 and 4-8.



REMOVE JUMPERS 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.



■ = DENOTES POSITION OF SWITCH

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 2 and 6 for Start Up In Green.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 4 and 8 for Dual Entry.
- The cabinet and controller are part of the Fayetteville Signal System.
- Program phases 2 and 6 for Yellow Flash.

EQUIPMENT INFORMATION

CONTROLLER.....2070E
 CABINET.....332
 SOFTWARE.....ECONOLITE ASC/3-2070
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...12
 LOAD SWITCHES USED.....S1,S2,S4,S5,S7,S8,S10,S11
 PHASES USED.....1,2,3,4,5,6,7,8
 OVERLAPS.....NONE

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.	61	21,22	NU	81	41,42	NU	21	61,62	NU	41	81,82	NU
RED	*	128		*	101		*	134		*	107	
YELLOW		129			102			135			108	
GREEN		130			103			136			109	
RED ARROW												
YELLOW ARROW	126			117			132			123		
GREEN ARROW	127			118			133			124		
Hand icon												
Person icon												

NU = Not Used

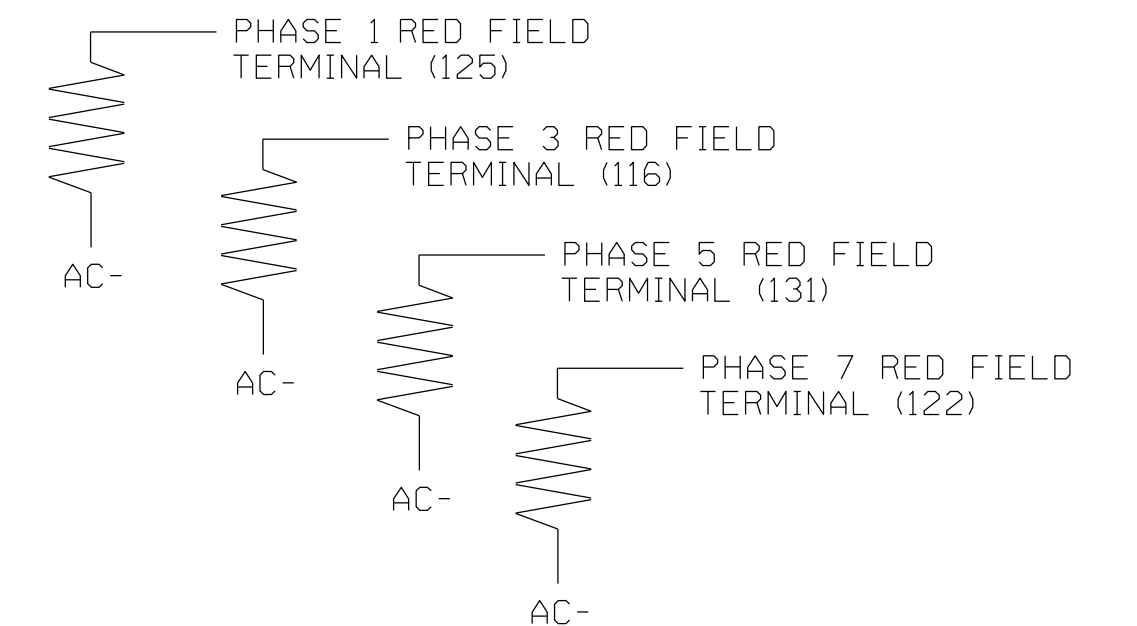
* Denotes install load resistor. See load resistor installation detail this sheet.

LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown)

ACCEPTABLE VALUES

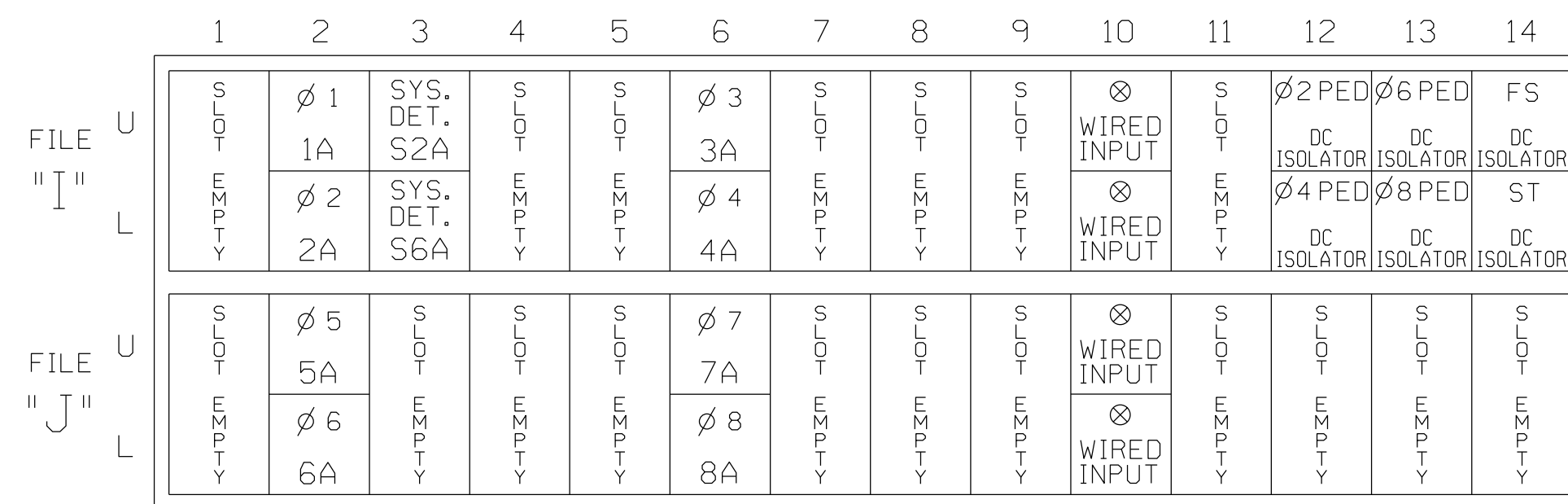
VALUE (ohms)	WATTAGE
1.5K - 1.9K	25W (min)
2.0K - 3.0K	10W (min)



NOTE: The purpose of these resistors is to load the channel red monitor inputs in order for the Signal Sequence Monitor to use the full signal sequence monitoring capability on channels that do not use the red display in the field.

INPUT FILE POSITION LAYOUT

(front view)



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

FS = FLASH SENSE
 ST = STOP TIME

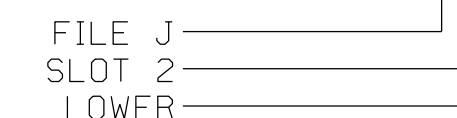
INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	DETECTOR TYPE
1A ¹	TB2-5,6	I2U	39	2	1	YES		15	S
	TB6-9,10	I9U	60	11	6	YES		3	S
2A	TB2-7,8	I2L	43	12	2	YES			S
* S2A	TB2-9,10	I3U	63	32	SYS	NO			N
* S6A	TB2-11,12	I3L	76	42	SYS	NO			N
3A ²	TB4-9,10	I6U	41	4	3	YES		15	S
	TB4-11,12	I9L	60	13	8	YES		3	S
4A	TB4-11,12	I6L	45	14	4	YES			S
5A ³	TB3-5,6	J2U	40	6	5	YES			S
	TB7-9,10	J9U	59	15	2	YES			S
6A	TB3-7,8	J2L	44	16	6	YES			S
7A ⁴	TB5-9,10	J6U	41	8	7	YES		15	S
	TB7-11,12	J9L	61	17	4	YES		3	S
8A	TB5-11,12	J6L	46	18	8	YES			S

* System detector only. Remove any assigned vehicle phase.

- Add jumper from I2-F to I9-F, on rear of input file.
- Add jumper from I6-F to I9-W, on rear of input file.
- Add jumper from J2-F to I9-F, on rear of input file.
- Add jumper from J6-F to I9-W, on rear of input file.

INPUT FILE POSITION LEGEND: J2L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: C005
 DESIGNED: NOVEMBER 2016
 SEALED: 11/17/2016
 REVISED:

Electrical Detail



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 LICENSE NO. F4669

FT BRAGG ROAD AT DEVERS STREET/BARRINGTON CROSS	
DIV 06	CUMBERLAND COUNTY FAYETTEVILLE
PLAN DATE: NOVEMBER 2016	REVIEWED BY: RWT
PREPARED BY: RTP	REVIEWED BY:
REVISIONS	INIT. DATE

SEAL

Declassified by: Richard T. Pate
 DATE: 11/21/2016
 SIG. INVENTORY NO. C005

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