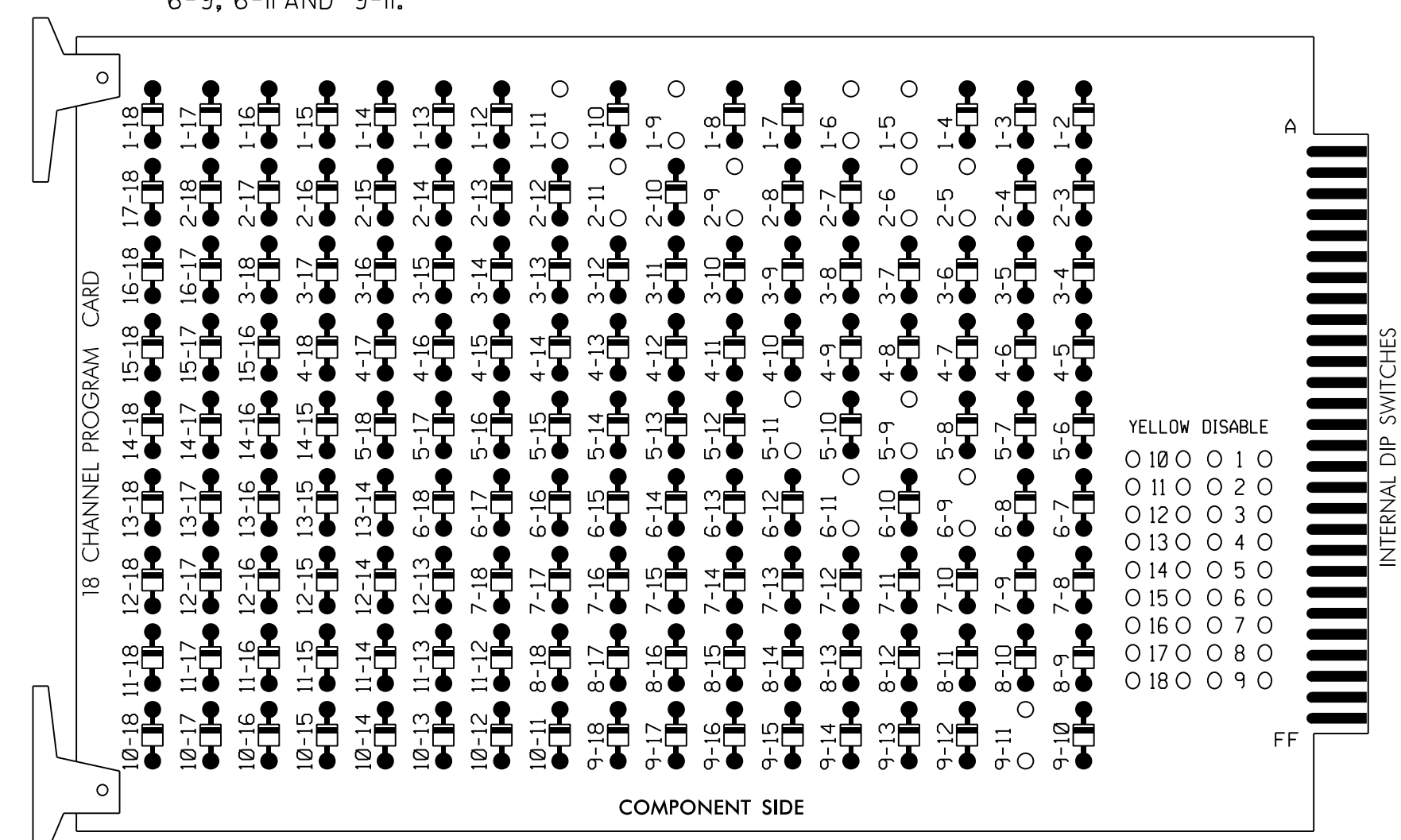


EDI MODEL 2018ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 1-5, 1-6, 1-9, 1-II, 2-5, 2-6, 2-9, 2-II, 5-9, 5-II, 6-9, 6-II AND 9-II.



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.

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 phase 2 Green and 6 Green.
- The cabinet and controller are part of the Elizabeth City Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070LX
 CABINET.....332 W/AUX
 SOFTWARE.....ECONOLITE ASC/3-2070
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S1,S2,S4,S5,S7,S8,AUX S1,
 AUX S4
 PHASES USED.....1,2,3,4,5,6,**10
 OVERLAP "A".....*
 OVERLAP "B".....NOT USED
 OVERLAP "C".....*
 OVERLAP "D".....NOT USED
 OVERLAP "E".....*

* See overlap programming detail on sheet 2
 ** Phase 10 used for timing purposes only

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	OLG	4	4 PED	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	11	21,22	NU	31	32	41	42	51	61,62	NU	NU	NU	11	NU	NU	51	NU	NU
RED		128		116	116	101	101			134								
YELLOW	*	129		117	117	102	102	*	135									
GREEN		130		118	118	103	103		136									
RED ARROW													A121			A114		
YELLOW ARROW													A122			A115		
FLASHING YELLOW ARROW													A123			A116		
GREEN ARROW	127			118		103		133										

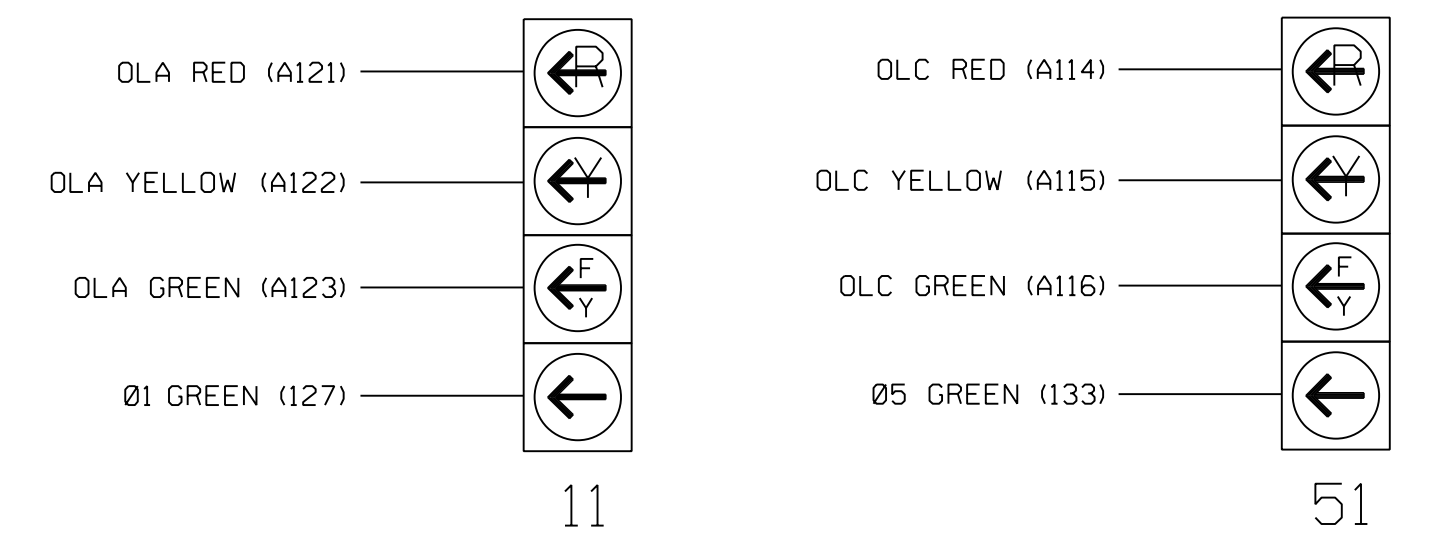
NU = Not Used

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

* See pictorial of head wiring in detail this sheet.

FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



INPUT FILE POSITION LAYOUT

(front view)

FILE	U	1	2	3	4	5	6	7	8	9	10	11	12	13	14
"I"	U	∅ 1 1A	∅2/SYS 2A/S1	TORS	∅ 3 3A	∅ 3 3B	∅ 4 4A	∅ 4 4C	TORS	TORS	TORS	TORS	TORS	TORS	FS DC ISOLATOR
	L	NOT USED	∅2/SYS 2B/S2	TORS	NOT USED	∅ 3 3C	∅ 4 4B	NOT USED	TORS	TORS	TORS	TORS	TORS	TORS	ST DC ISOLATOR
"J"	U	∅ 5 5A	∅6/SYS 6A/S3	TORS	TORS	TORS	TORS	TORS	TORS	TORS	TORS	TORS	TORS	TORS	S T
	L	NOT USED	∅6/SYS 6B/S4	TORS	TORS	TORS	TORS	TORS	TORS	TORS	TORS	TORS	TORS	TORS	T Y

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

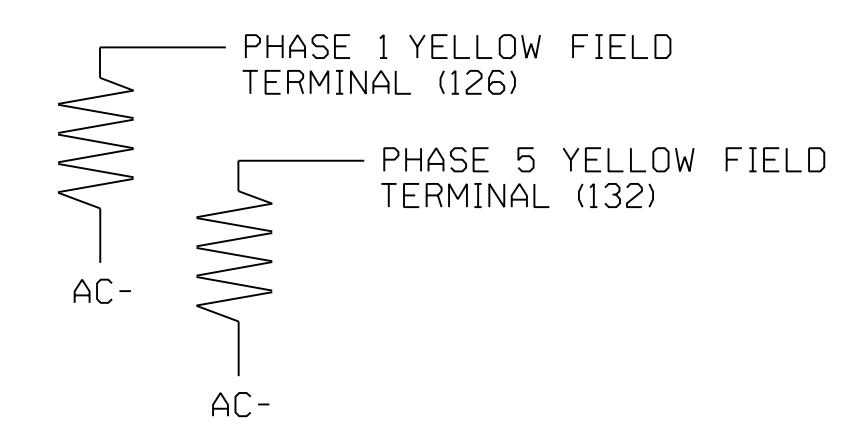
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	ADDED INITIAL	DETECTOR TYPE
1A ¹	TB2-1,2	I1U	56	1	1	YES		15		S
	-	J4U	48	26	6	YES		3		G
2A/S1	TB2-5,6	I2U	39	2	2/SYS	YES			X	N
2B/S2	TB2-7,8	I2L	43	12	2/SYS	YES			X	N
3A	TB4-5,6	I5U	58	3	3/10	NO	3.2			N
3B	TB4-9,10	I6U	41	4	3/10	YES		5		S
3C	TB4-11,12	I6L	45	14	3/10	YES		15		S
4A	TB6-1,2	I7U	65	34	4	NO	4.5			N
4B	TB6-3,4	I7L	78	44	4	YES		5		S
4C	TB6-5,6	I8U	49	24	4	YES		5		S
5A ²	TB3-1,2	J1U	55	5	5	YES		15		S
	-	I4U	47	22	2	YES		3		G
6A/S3	TB3-5,6	J2U	40	6	6/SYS	YES			X	N
6B/S4	TB3-7,8	J2L	44	16	6/SYS	YES			X	N

- ¹Add jumper from I1-W to J4-W, on rear of input file.
²Add jumper from J1-W to I4-W, on rear of input file.

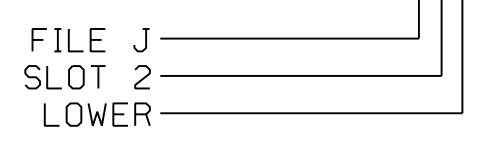
LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown)

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



INPUT FILE POSITION LEGEND: J2L



Signal Upgrade - Electrical Detail - Sheet 1 of 3

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PLANS PREPARED BY :

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ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared for the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

NC 344 (Weeksville Road)
 at
 SR 1164 (River Road) /
 SR 1169 (Pitts Chapel Road)

Division 1 Pasquotank County Elizabeth City

PLAN DATE: September 2018 REVIEWED BY: J O Deaton

PREPARED BY: M W Yalch REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL

DocuSigned by:
 James O. Deaton
 9/21/2018
 DATE
 SIG. INVENTORY NO. 01-0408