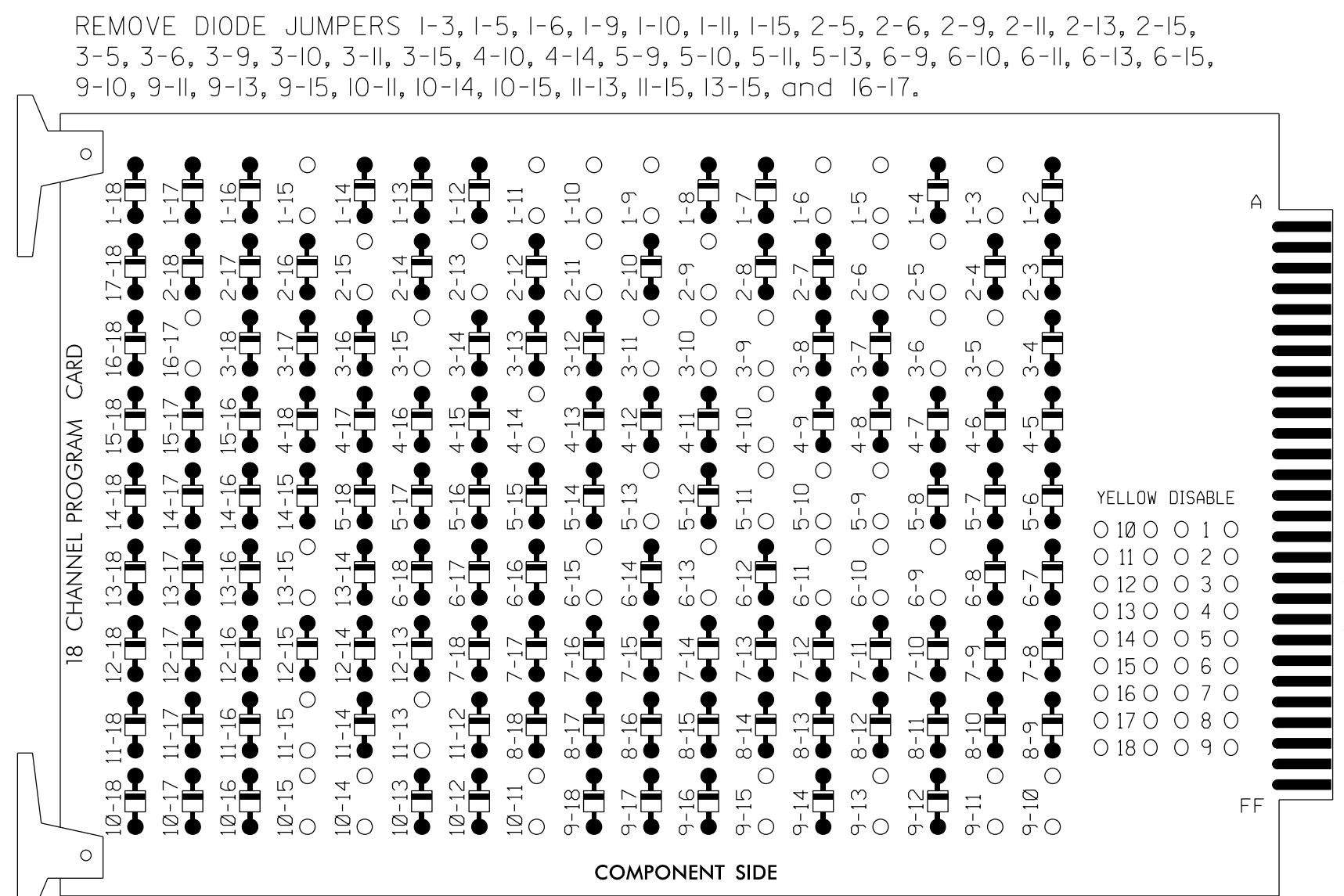


### EDI MODEL 2018ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

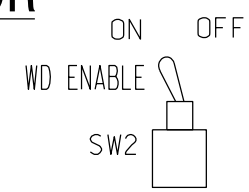
(remove jumpers and set switches as shown)



REMOVE JUMPERS AS SHOWN

#### NOTES:

1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
2. Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
3. Ensure that Red Enable is active at all times during normal operation.
4. Connect serial cable from conflict monitor to comm. part 1 of 2070 controller. Ensure conflict monitor communicates with 2070.



#### NOTES

1. 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.
2. Program controller to start up in phase 2 Walk and 6 Walk.
3. If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.

#### 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,S3,S4,S5,S6,S7,S8,S9,S12,  
 AUX S1,AUX S2,AUX S3,AUX S4  
 PHASES USED.....1,2,2 PED,3,3 PED,4,4 PED,5,6,  
 6 PED  
 OVERLAP "A".....\*  
 OVERLAP "B".....\*  
 OVERLAP "C".....\*  
 OVERLAP "D".....\*  
 OVERLAP "E".....\*  
 OVERLAP "G".....\*

\* 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	OLG	4	4 PED	5	6	6 PED	7	8	3 PED	OLA	OLB	OLE	OLC	OLD	SPARE		
SIGNAL HEAD NO.	11	21,22	P21, P22	43	41	42	P41, P42	51	61,62	P61, P62	NU	NU	P31, P32	11	43	31	32	51	NU	NU
RED		128			101	101				134					A124	A111	A111			
YELLOW	*	129		*	102	102		*	135						A112	A112				
GREEN		130			103	103			136						A113	A113				
RED ARROW													A121						A114	
YELLOW ARROW													A122	A125					A115	
FLASHING YELLOW ARROW													A123	A126					A116	
GREEN ARROW	127			118	103			133							A113					
Hand			113				104		119			110								
Walking			115				106		121			112								

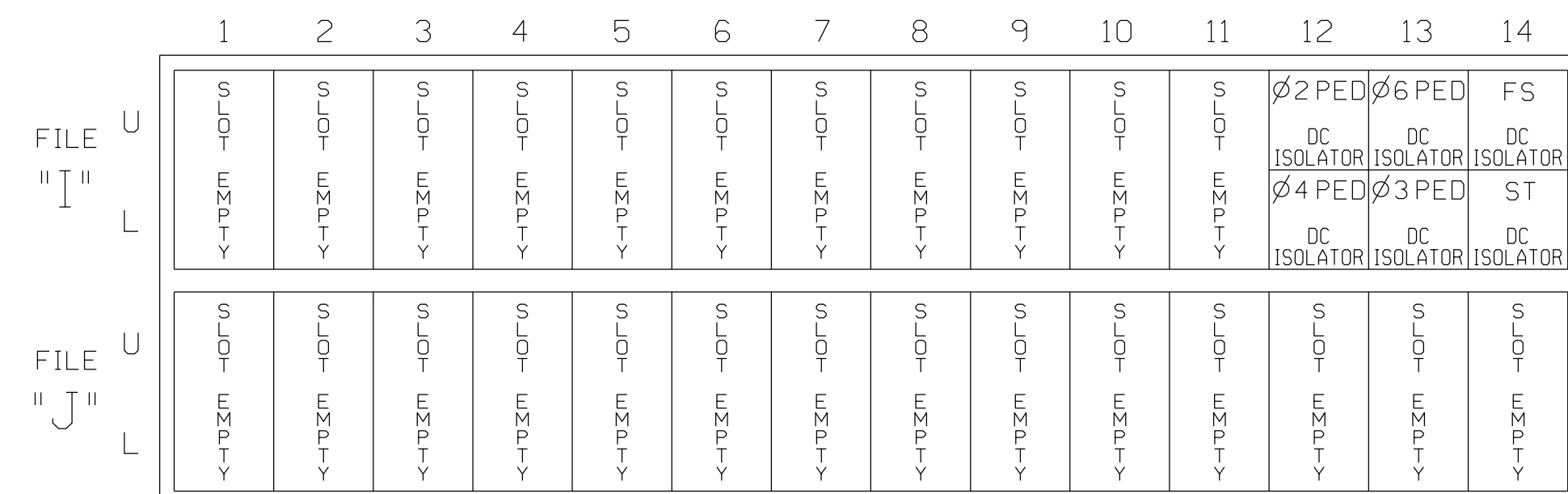
NU = Not Used

\* 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)



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

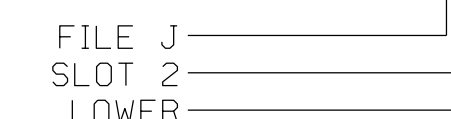
FS = FLASH SENSE  
ST = STOP TIME

#### INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	ADDED INITIAL	DETECTOR TYPE
PED PUSH BUTTONS										
P21,P22	TB8-4,6	I12U	67	PED 2	2 PED					
P31,P32	TB8-8,9	I13L	70	PED 8	3 PED					
P41,P42	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 I12 AND I13.

INPUT FILE POSITION LEGEND: J2L



#### SPECIAL DETECTOR NOTE

Install a multizone microwave detection system for vehicle detection. Perform installation according to manufacturer's directions and NCDOT engineer-approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans.

#### COUNTDOWN PEDESTRIAN SIGNAL OPERATION

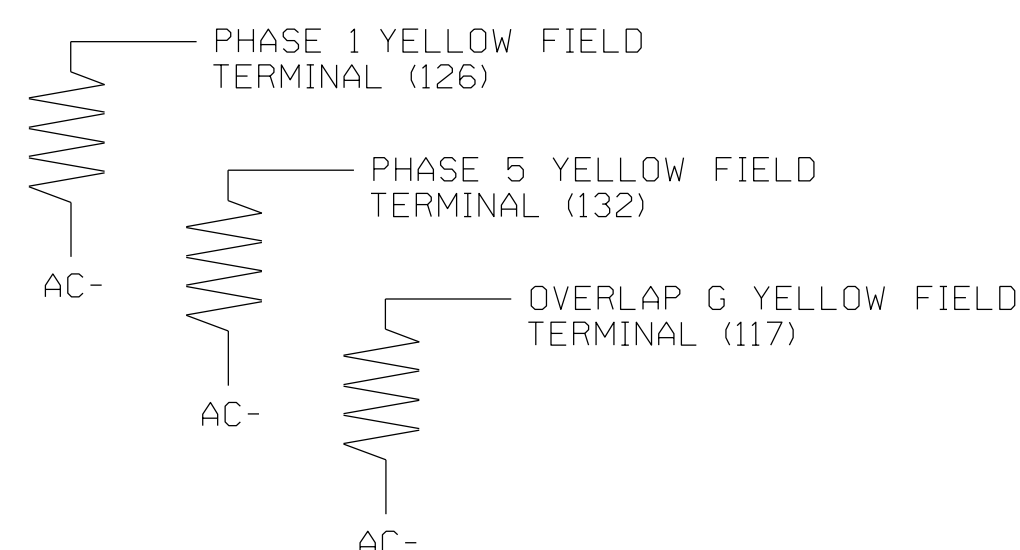
Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 14-0750T1  
DESIGNED: May 2022  
SEALED: 05/10/2022  
REVISED: N/A

#### LOAD RESISTOR INSTALLATION DETAIL

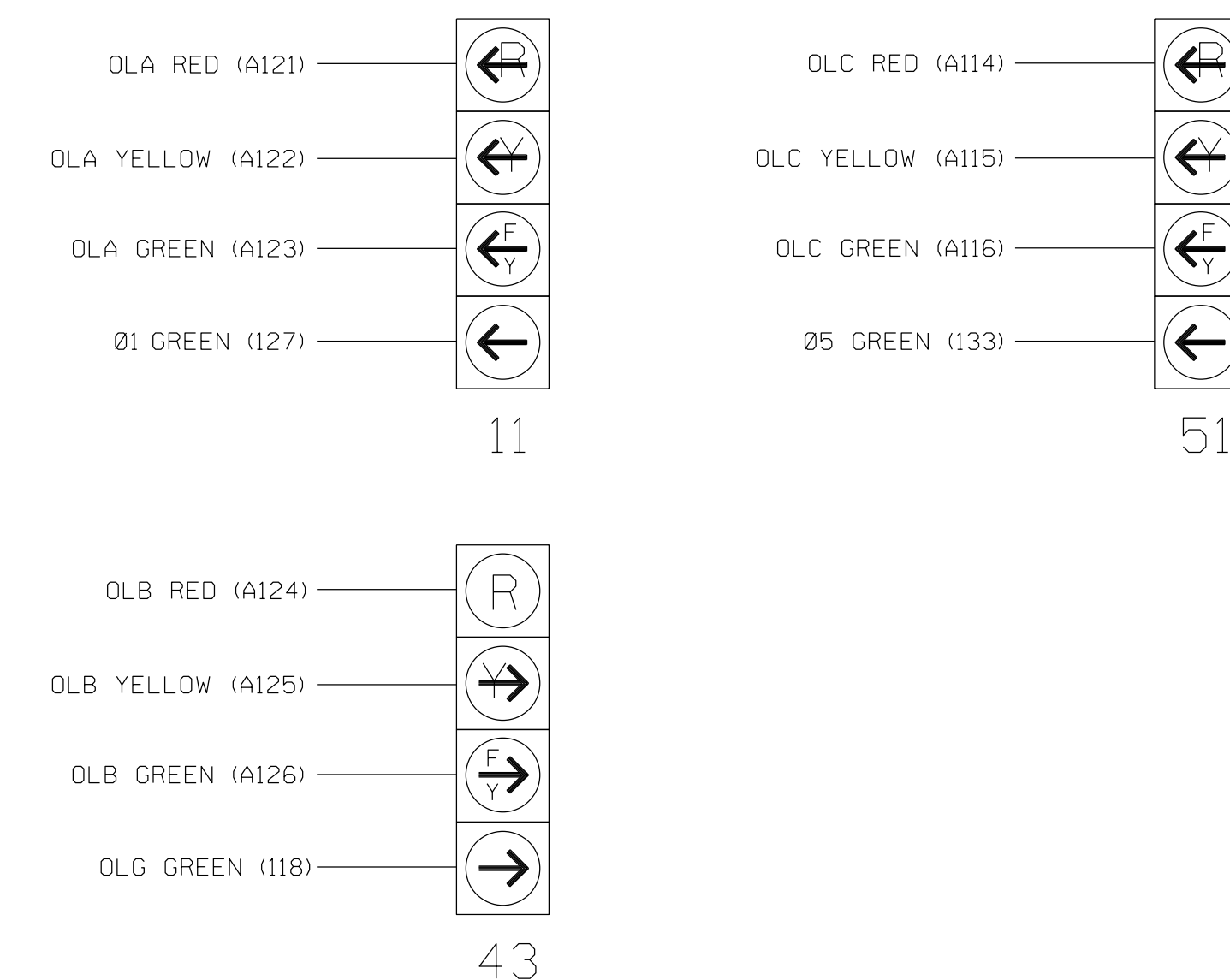
(install resistors as shown)

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



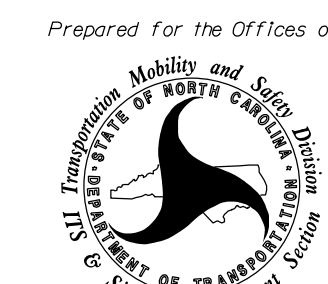
#### FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



Electrical Detail - Sheet 1 of 2 - Temporary Design 1

#### ELECTRICAL AND PROGRAMMING DETAILS FOR:



750 N. Greenfield Pkwy, Garner, NC 27529

US 129		at	
NC 143 (Sweetwater Road) / Kerr Drug Entrance			
Division 14	Graham County	Robbinsville	
PLAN DATE: May 2022	REVIEWED BY: J. Ma		
PREPARED BY: M.L. Stygles	REVIEWED BY:		
REVISIONS	INIT.	DATE	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEERS & SURVEYORS

SEAL 033108

JIANXIN MA

DocuSigned by: Jianxin Ma

5/10/2022

827E1953D81444F

DATE

SIG. INVENTORY NO. 14-0750T1