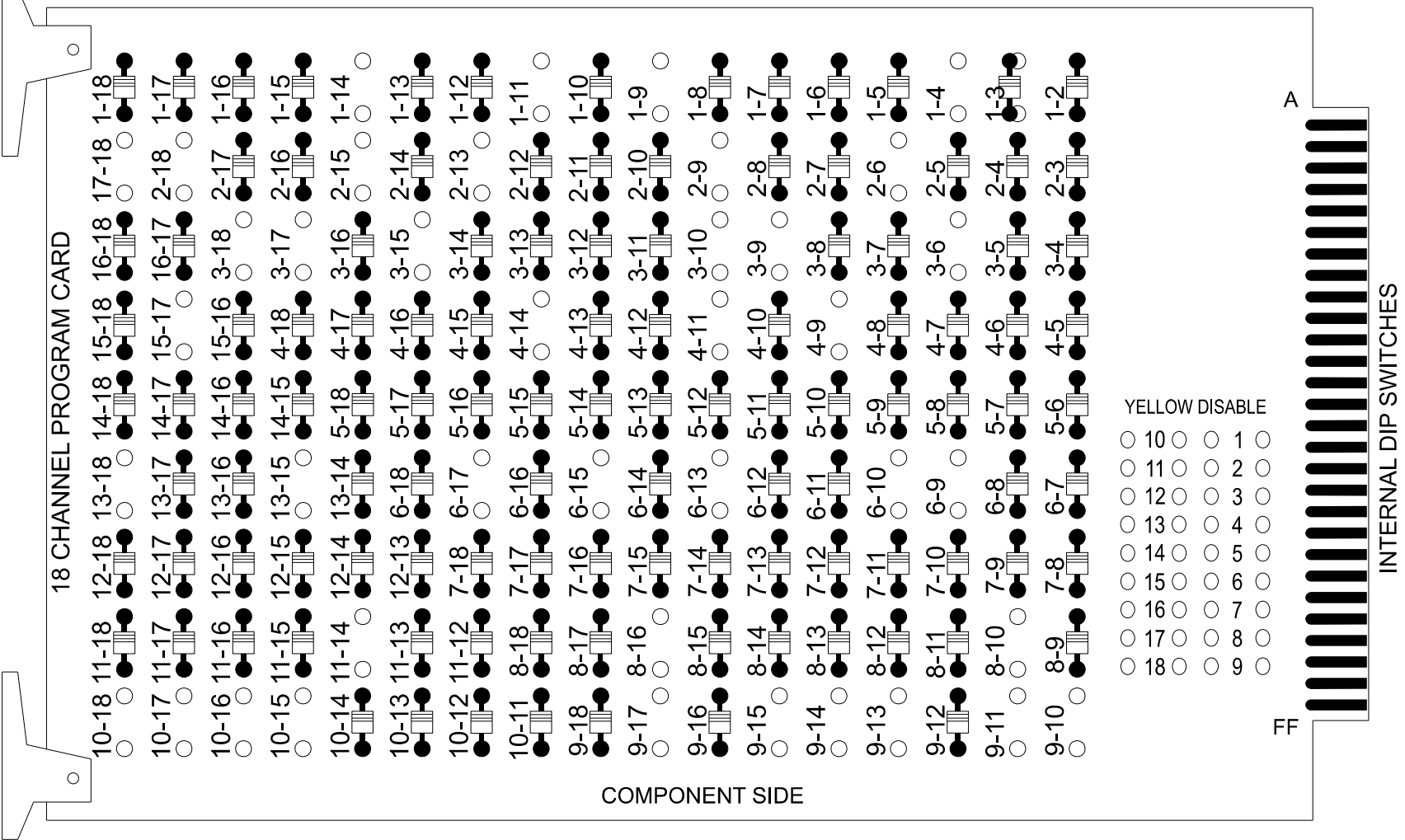


18 CHANNEL IP CONFLICT MONITOR
PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS:1-4, 1-9, 1-11, 1-14, 2-6, 2-9, 2-13, 2-15, 2-18, 3-6, 3-9, 3-10, 3-15, 3-17, 3-18, 4-9, 4-11, 4-14, 6-9, 6-10, 6-13, 6-15, 6-17, 8-10, 8-16, 9-10, 9-11, 9-13, 9-14, 9-15, 9-17, 10-15, 10-16, 10-17, 10-18, 11-14, 13-15, 13-18, 15-17 AND 17-18.



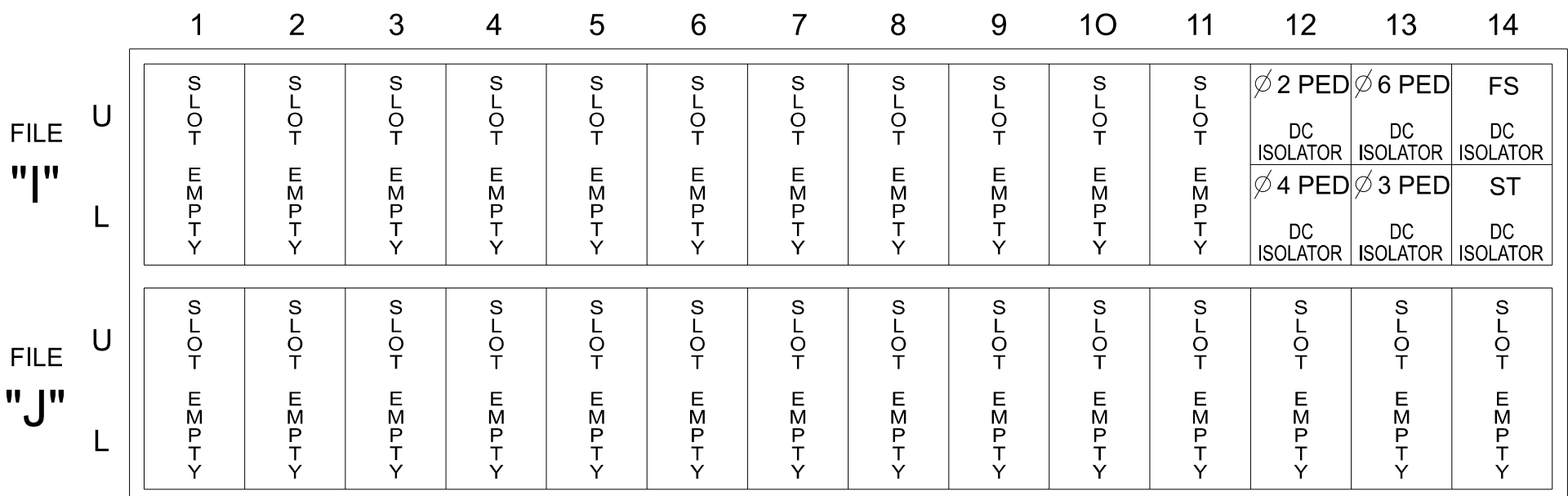
REMOVE JUMPERS AS SHOWN

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 the Red Enable is active at all times during normal operation.
- Integrate monitor with Ethernet network in cabinet.

INPUT FILE POSITION LAYOUT

(front view)



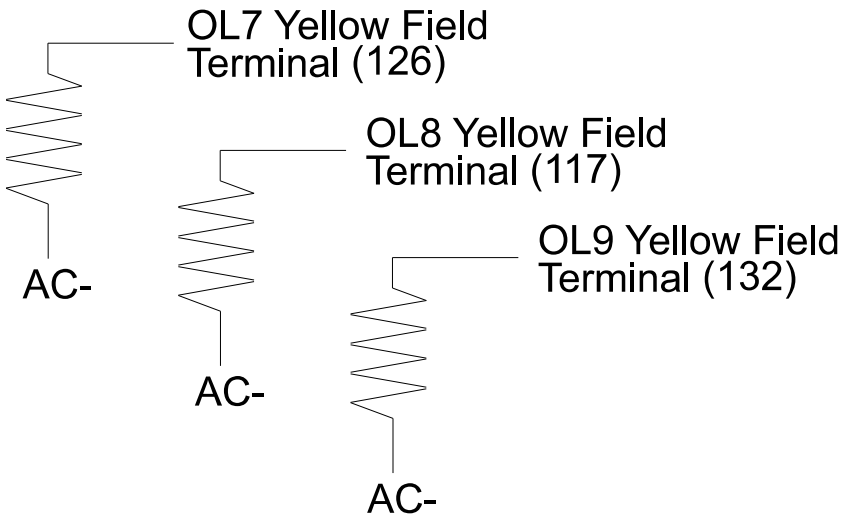
EX. : 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
ST = STOP TIME

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)



NOTES

- To prevent "flash-conflict" problems, insert red flash program blocks for all vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the signal plan.
- Program controller to start up in phase 2 Green No Walk and phase 6 Green No Walk.
- If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.
- The cabinet and controller are part of the NC 107 Time Based System.

EQUIPMENT INFORMATION

Controller.....2070LX
Cabinet.....332 w/ Aux
Software.....Q-Free MAXTIME
Cabinet Mount.....Base
Output File Positions.....18 With Aux. Output File
Load Switches Used.....S1, S2, S3, S4, S5, S6, S7, S8, S9, S11,S12, AUXS1, AUXS2, AUXS3, AUXS4, AUXS6
Phases Used.....1, 2, 2PED, 3, 3PED, 4, 4PED, 5, 6, 6PED

Overlap "1".....*
Overlap "2".....*
Overlap "3".....*
Overlap "4".....NOT USED
Overlap "5".....NOT USED
Overlap "6".....NOT USED
Overlap "7".....*
Overlap "8".....*
Overlap "9".....*

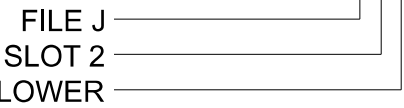
*See overlap programming detail on sheet 2

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT POINT	DETECTOR NO.	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN
PED PUSH BUTTONS												
P21,P22	TB8-4,6	I12U	67	33	2	PED 2						
P31,P32	TB8-8,9	I13L	70	36	8	PED 3						
P41,P42	TB8-5,6	I12L	69	35	4	PED 4						
P61,P62	TB8-7,9	I13U	68	34	6	PED 6						

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

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.

SPECIAL DETECTOR NOTE

Install a multi-zone 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.



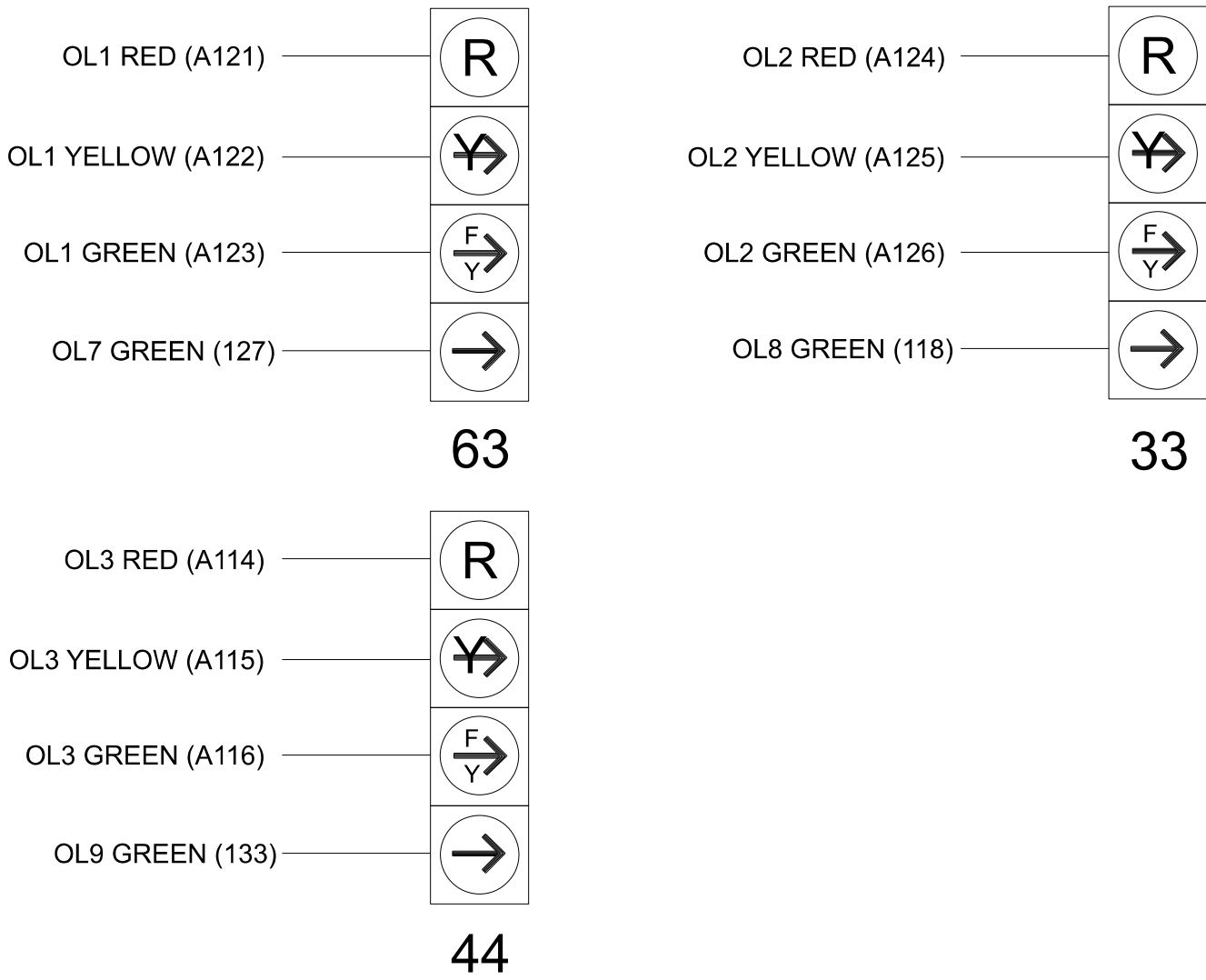
SIGNAL HEAD HOOK-UP CHART

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	OL7	2	2 PED	OL8	4			4 PED	OL9	6	6 PED	7	3	3 PED	OL1	OL2	1	OL3	OL4	5	
SIGNAL HEAD NO.	63★	21,22	P21 P22	33★	41	42	43	P41 P42	44★	61,62	P61 P62	NU	31	32	P31 P32	63★	33★	11	44★	NU	51,52
RED		128				101	101			134			107	107		A121	A124		A114		
YELLOW	★	129		★		102	102		★	135			108	108							
GREEN		130				103	103			136			109	109							
RED ARROW					101													A111			A104
YELLOW ARROW					102											A122	A125	A112	A115		A105
FLASHING YELLOW ARROW																A123	A126		A116		
GREEN ARROW	127			118	103	103			133				109					A113			A106
			113					104			119				110						
			115					106			121				112						

NU = Not Used NC = Not Connected
* 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)



THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 14-1022T5
DESIGNED: Aug 2025
SEALED: 8/26/2025
REVISED: N/A

Electrical Detail - Sheet 1 of 2
Temporary Design 5 - TMP Ph3, S1



ELECTRICAL AND PROGRAMMING DETAILS FOR:	
NC 107 (E. Main St) at Walmart Driveway / Commerical Driveway	
Division 14	Jackson County
PLAN DATE: August 2025	REVIEWED BY: ZM Esposito
PREPARED BY: KA Jones	REVIEWED BY: BN Groome
REVISIONS	INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
SEAL	SEAL
SEAL 052936	SEAL 052936
ENGINEER	ENGINEER
BRITTANY N GROOME	BRITTANY N GROOME
Signed by: Brittany Groome	8/26/2025
DATE	DATE
SIG. INVENTORY NO.	14-1022T5