

(remove jumpers and set switches as shown)

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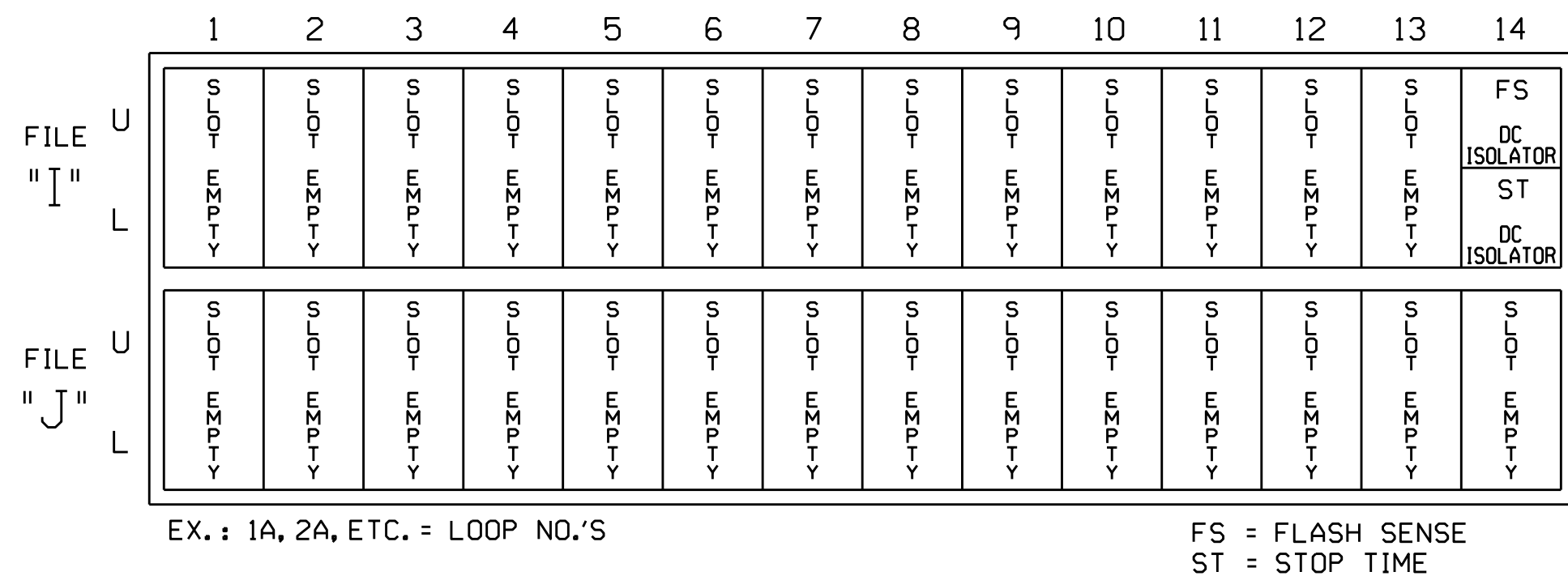


REMOVE JUMPERS AS SHOWN

NOTES:

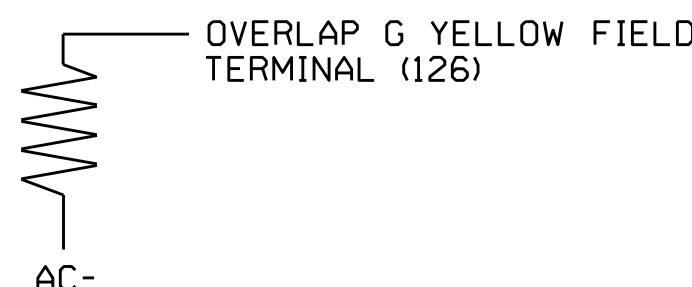
1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
2. Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
3. Ensure that Red Enable is active at all times during normal operation.
4. Connect serial cable from conflict monitor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

(front view)



(install resistors as shown below)

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



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. Enable Simultaneous Gap-Out for all phases.
3. Program phase 2 for Variable Initial and Gap Reduction.
4. Disable all phases for Start Up In Green.
5. Program phase 2 for First Phases.
6. Disable all phases for Yellow Flash.
7. Program overlaps 1 and 2 as Wag Overlaps.
8. The cabinet and controller are part of the Winston-Salem Signal System.

EQUIPMENT INFORMATION

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CONTROLLER.....2070
CABINET.....332 W/ AUX
SOFTWARE.....ECONOLITE OASIS
CABINET MOUNT.....BASE
OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
LOAD SWITCHES USED.....S1,S2,AUX S1,AUX S2
PHASES USED.....2,7
OVERLAP "A".....2+7
OVERLAP "B".....2+7
OVERLAP "C".....NOT USED
OVERLAP "D".....NOT USED
OVERLAP "G".....7

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SPECIAL DETECTOR NOTE

Install a non-intrusive 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.

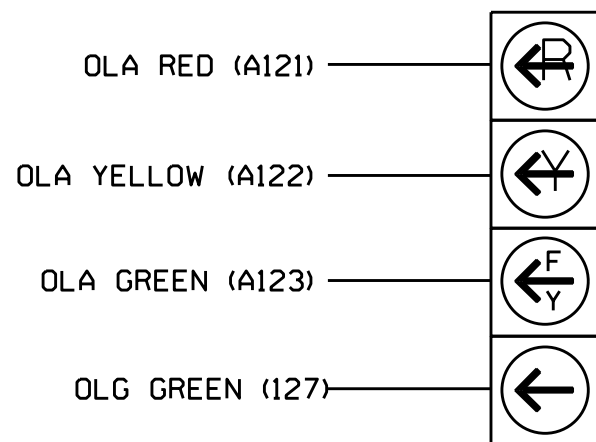
LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	OLG	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	11★	21	22	NU	NU	NU	NU	NU	NU	NU	NU	NU	11★	61	62	NU	NU	NU
RED		128	128											A124	A124			
YELLOW	*	129	129											A125	A125			
GREEN			130											A126				
RED ARROW													A121					
YELLOW ARROW													A122					
FLASHING YELLOW ARROW													A123					
GREEN ARROW	127	130												A126				

NU = Not Used

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

★ See pictorial of head wiring in detail below.

(wire signal head as shown)



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NOTE

The sequence display for signal heads 11 requires special logic programming. See sheet 2 for programming instructions.

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 09-0600T2
DESIGNED: September 2024
SEALED: 01-02-25
REVISED: N/A

Electrical Design - Sheet 1 of 3 - Temporary Design 2

NC 109/SR 4325 (Thomasville Road)
at
I-40 EB Ramp

Division 9 Forsyth County Winston-Salem

PREPARED BY: James Peterson	REVIEWED BY:
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REVISIONS	INIT.	DATE
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**DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED**

SEAL



Signed by: _____

Ryan W. Hough 01/13/2025

430320FAA2654C3... DATE

SIG. INVENTORY NO. 09-0600T2