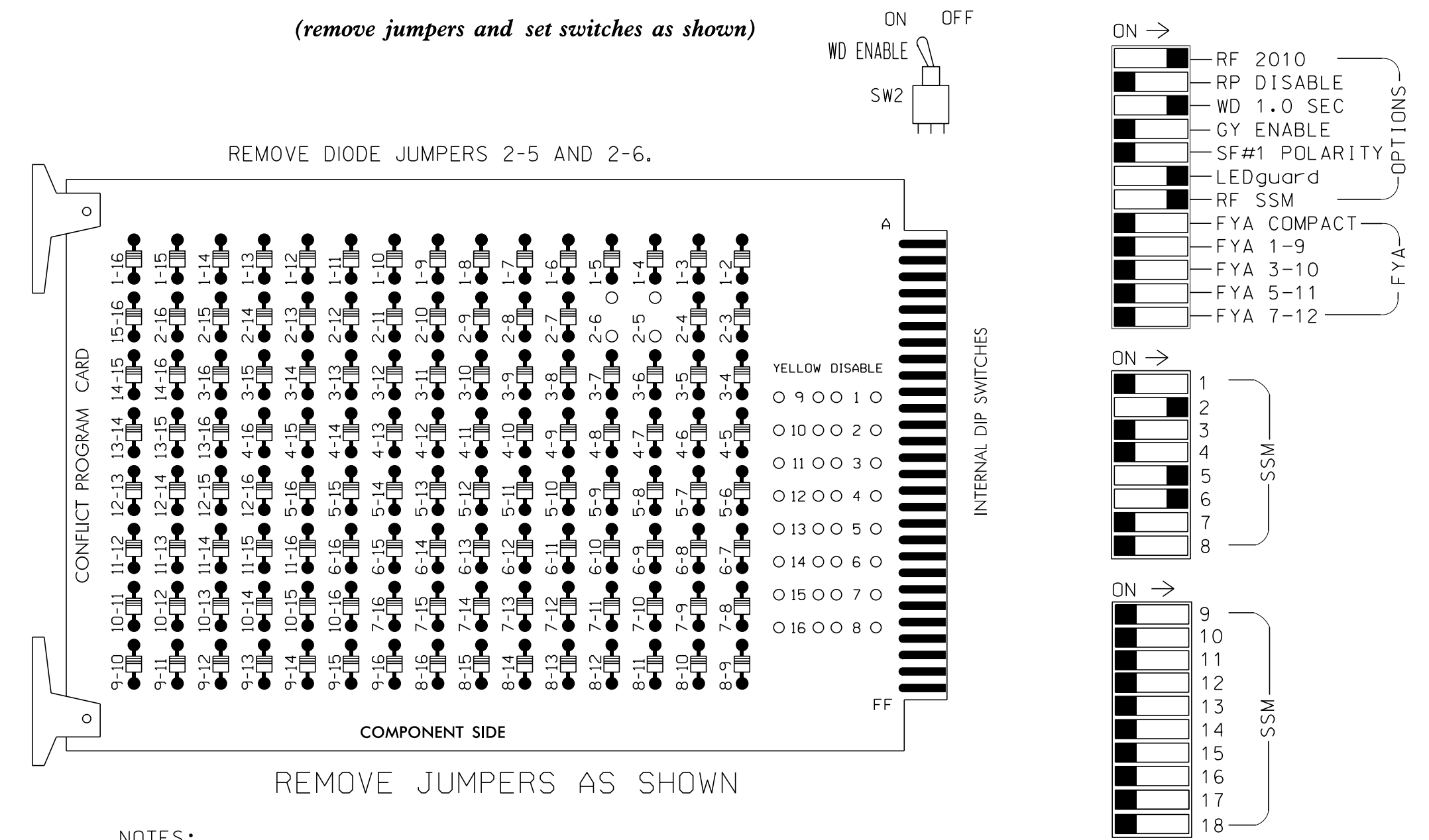


EDI MODEL 2010ECL CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



NOTES:

1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
2. Make sure jumpers SEL2-SEL5 are present on the monitor board.

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 Green and 6 Green.
3. If this signal will be managed by an ATMS software, enable controller and detector logging for all enabled detectors.
4. The cabinet and controller are part of Signal System #D04-20 Benson.

EQUIPMENT INFORMATION

CONTROLLER.....2070LX
 CABINET.....332
 SOFTWARE.....ECONOLITE ASC3-2070
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...12
 LOAD SWITCHES USED.....S2,S5,S6
 PHASES USED.....2,5,6
 OVERLAPS.....NONE

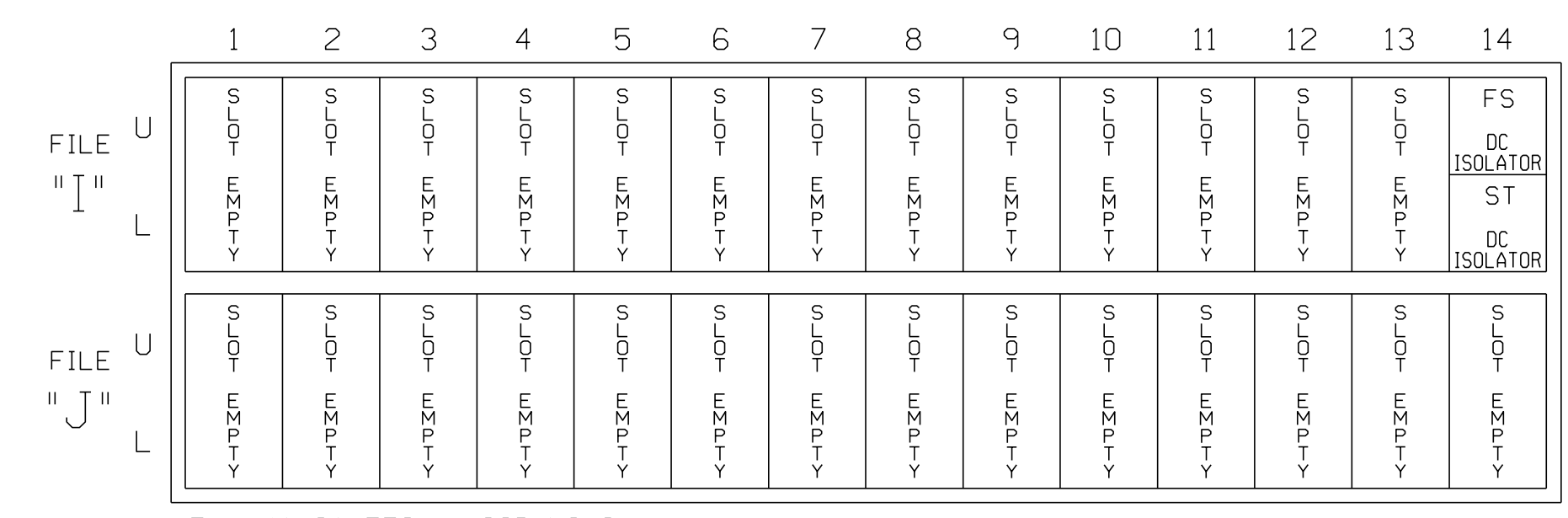
SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED
SIGNAL HEAD NO.	NU	21,22	NU	NU	NU	NU	21	61,62	NU	NU	NU	NU
RED		128					*	134				
YELLOW		129						135				
GREEN		130						136				
RED ARROW												
YELLOW ARROW								132				
GREEN ARROW								133				

NU = Not Used
 * Denotes install load resistor. See load resistor installation detail this sheet.

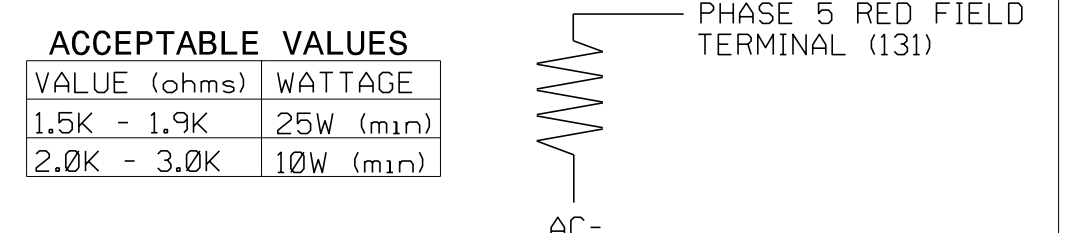
INPUT FILE POSITION LAYOUT

(front view)



EX.: 1A, 2A, ETC. = LOOP NO.'S
 FS = FLASH SENSE
 ST = STOP TIME

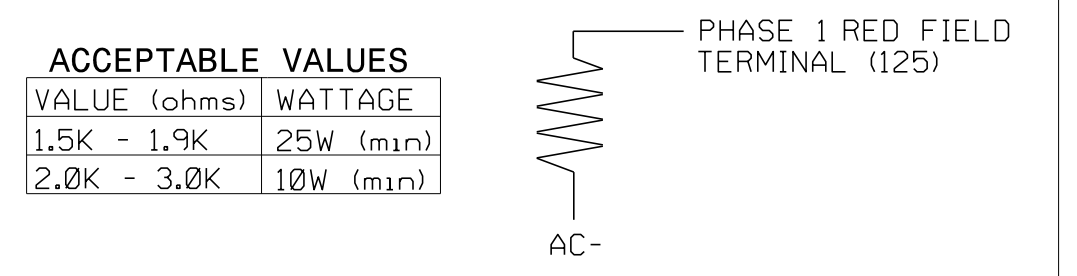
LOAD RESISTOR INSTALLATION DETAIL



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

NOTE: The purpose of this resistor is to load the channel red monitor input 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.

LOAD RESISTOR REMOVAL DETAIL



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

NOTE: Remove this resistor, which was installed in Temp 1, as this phase has now been removed from the signal design.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 04-0209T2
 DESIGNED: March 2021
 SEALED: 04/26/2021
 REVISED: N/A

SPECIAL DETECTOR NOTE

Install a multizone microwave detection system for vehicle detection for zone 5A and 6A. Perform installation according to manufacturer's directions and NCDOT engineer-approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans.

Electrical Detail - Sheet 1 of 2 - Temp 2

Prepared for:

 750 N. Greenfield Pkwy, Garner, NC 27529

NC 50-242 (Main St)
 at
 I-95 NB On-Ramp
 Division 4 Johnston County Benson
 PLAN DATE: March 2021 REVIEWED BY: W M Yalch
 PREPARED BY: K M Cory REVIEWED BY:
 REVISIONS: _____ INIT. DATE _____

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

 Kelly M Cory
 4/26/2021
 SIGNATURE DATE
 SIG. INVENTORY NO. 04-0209T2

Michael Baker INTERNATIONAL
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 NC License No.: F-1084

*****ACTUAL TIME*****

