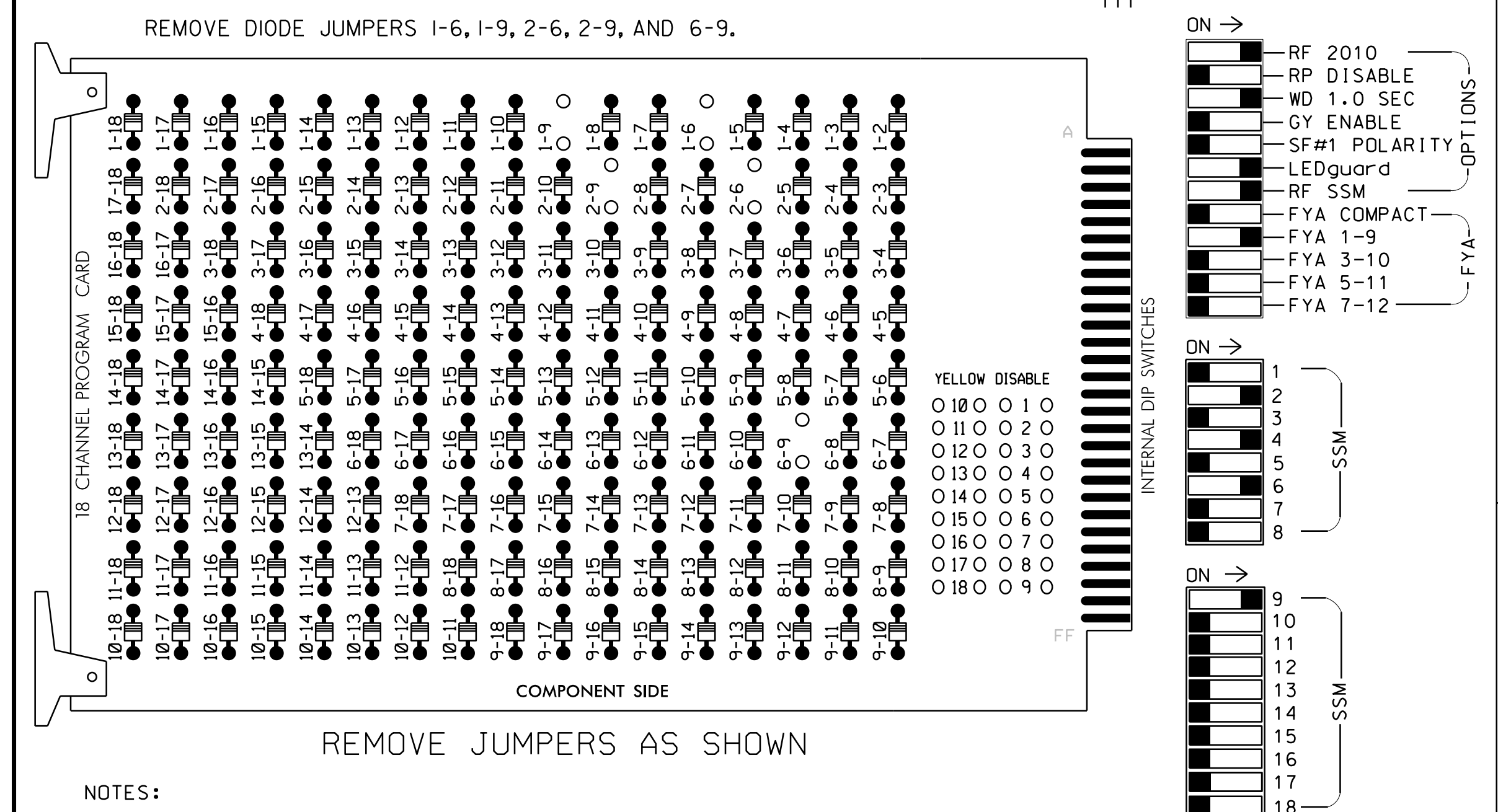


EDI MODEL 2018ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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. 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 communicated 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 Green and 6 Green. 3. If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location. 4. The cabinet and controller are part of the D06-21 St. Pauls System.

SIGNAL HEAD HOOK-UP CHART table with columns for LOAD SWITCH NO., S1-S12, AUX S1-S6, and rows for PHASE, SIGNAL HEAD NO., RED, YELLOW, GREEN, RED ARROW, YELLOW ARROW, FLASHING YELLOW ARROW, GREEN ARROW.

NU = Not Used \* Denotes install load resistor. See load resistor installation detail this sheet. ★ See pictorial of head wiring in detail this sheet.

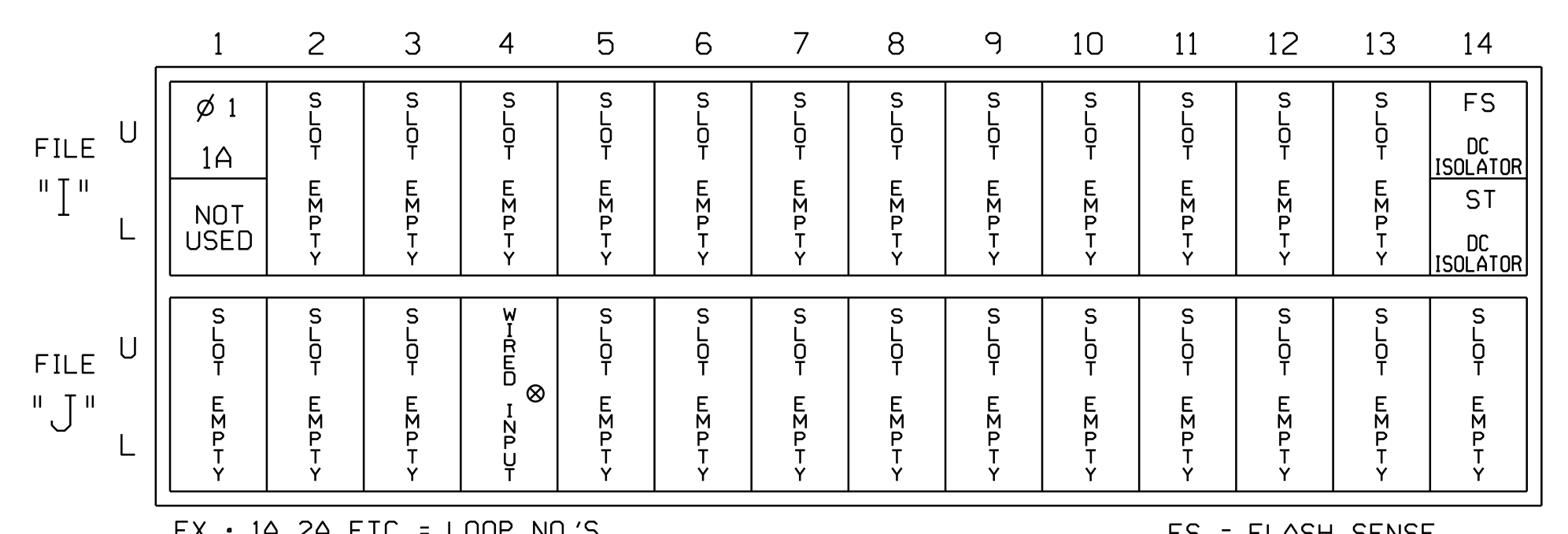
EQUIPMENT INFORMATION

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,S5,S8,AUX S1 PHASES USED.....1,2,4,6 OVERLAP "A".....\* OVERLAP "B".....NOT USED OVERLAP "C".....NOT USED OVERLAP "D".....NOT USED

\* See overlap programming detail on sheet 2

INPUT FILE POSITION LAYOUT

(front view)

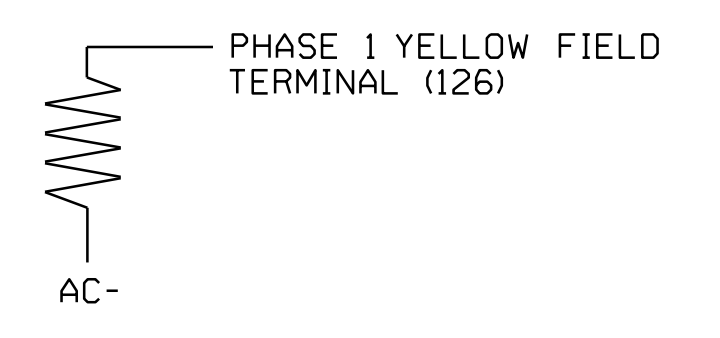


EX.: 1A, 2A, ETC. = LOOP NO.'S FS = FLASH SENSE ST = STOP TIME

LOAD RESISTOR INSTALLATION DETAIL

(install resistor as shown)

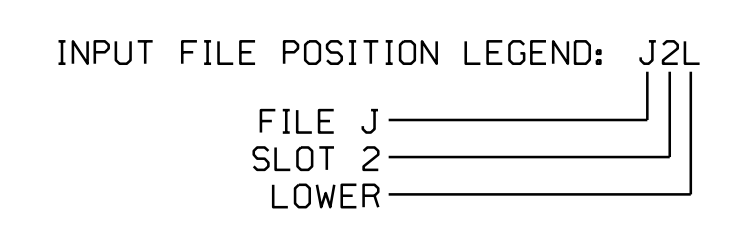
ACCEPTABLE VALUES table with columns for VALUE (ohms) and WATTAGE, listing ranges like 1.5K - 1.9K and 25W (min).



INPUT FILE CONNECTION & PROGRAMMING CHART

Table with columns: LOOP NO., LOOP TERMINAL, INPUT FILE POS., PIN NO., DETECTOR NO., NEMA PHASE, CALL, EXTEND TIME, DELAY TIME, ADDED INITIAL, DETECTOR TYPE. Includes entry for loop 1A.

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



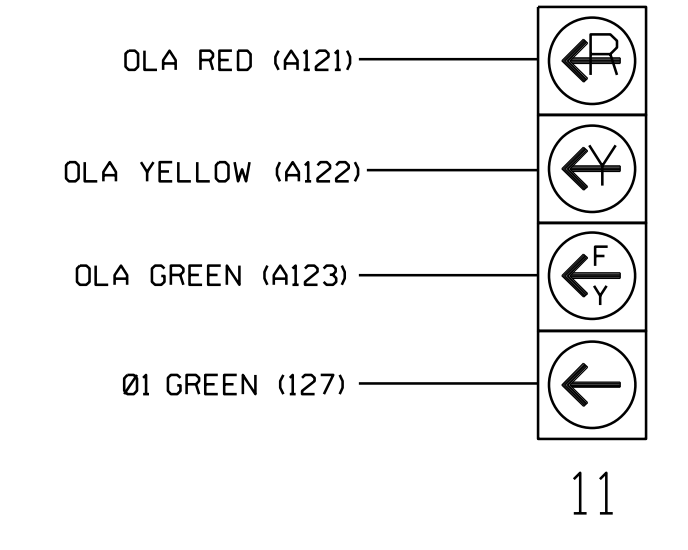
SPECIAL DETECTOR NOTE

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

For Detection Zone 1A the equipment and slots reserved for wired inputs are typical for a NCDOT installation.

FYA SIGNAL WIRING DETAIL

(wire signal head as shown)



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-1365T3 DESIGNED: Feb 2022 SEALED: 02/25/2022 REVISED: N/A

Electrical Detail Sheet 1 of 2 Temporary Design 3 - (TMP Phase 2.2)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Project information block including location (NC 20 (W. Broad St.) at I-95 SB Ramps), division (Robeson County), dates, signatures, and seals.

