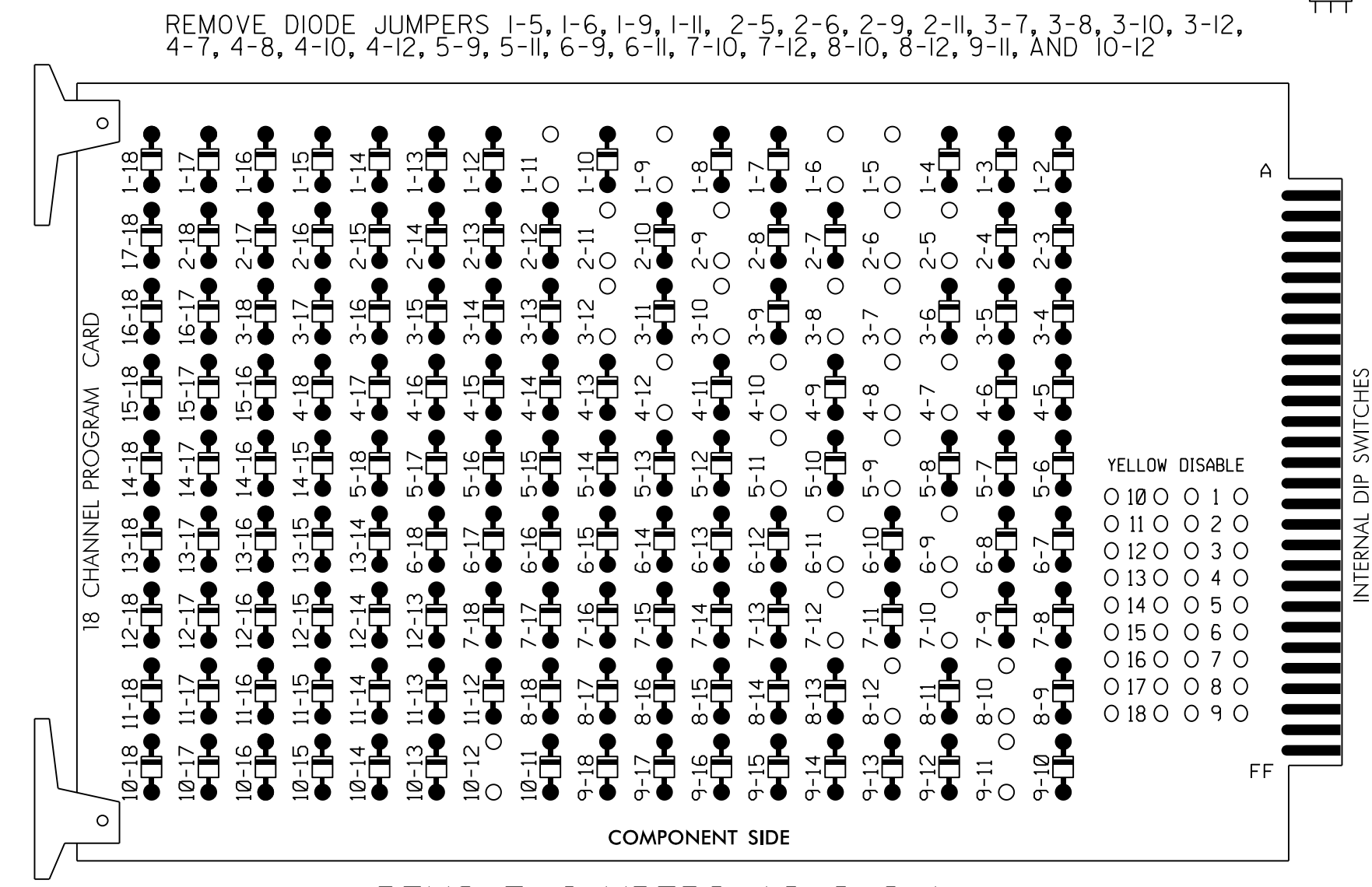


EDI MODEL 2018ECLip-NC CONFLICT MONITOR
PROGRAMMING DETAIL
(remove jumpers and set switches as shown)



REMOVE DIODE JUMPERS 1-5, 1-6, 1-9, 1-11, 2-5, 2-6, 2-9, 2-11, 3-7, 3-8, 3-10, 3-12, 4-7, 4-8, 4-10, 4-12, 5-9, 5-11, 6-9, 6-11, 7-10, 7-12, 8-10, 8-12, 9-11, AND 10-12

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

NOTES

- 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.
- Program phases 4 and 8 for Dual Entry.
- Program controller to start up in phase 2 Green and 6 Green.
- The cabinet and controller are part of Signal System # 10605.

EQUIPMENT INFORMATION

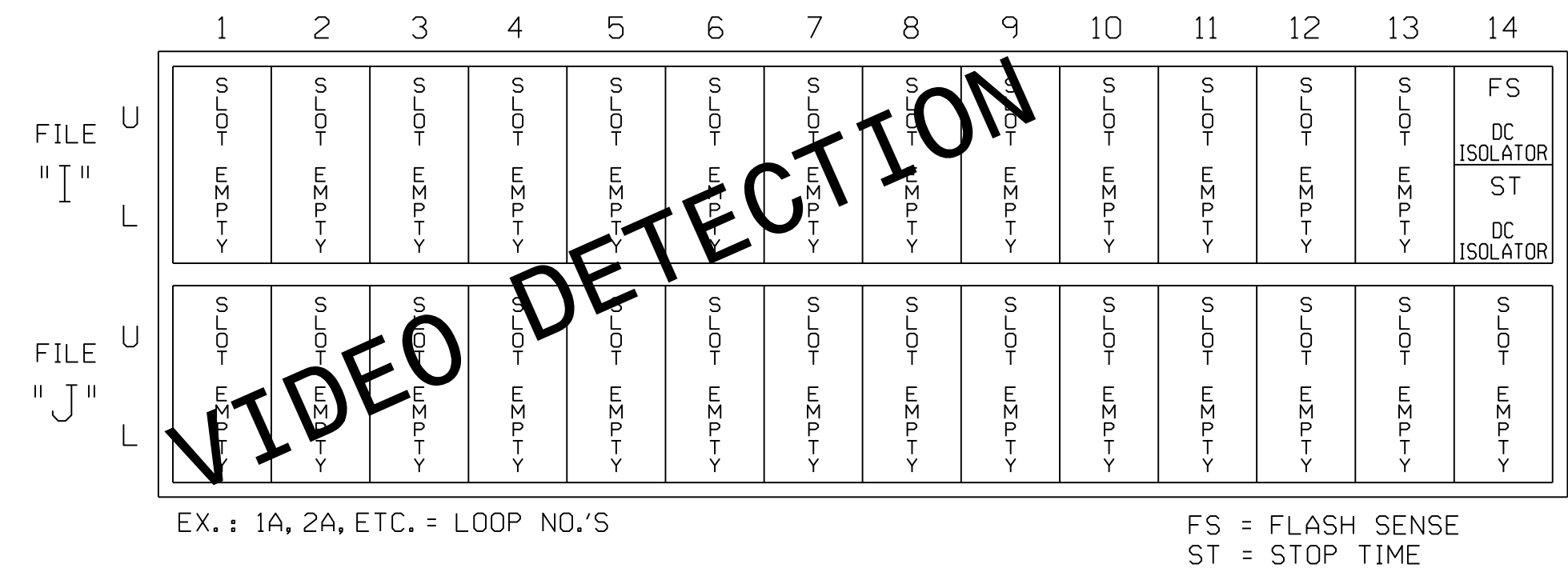
CONTROLLER.....2070LX
 CABINET.....332 W/AUX
 SOFTWARE.....ECONOLITE ASC/3-2070
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S1,S2,S4,S5,S7,S8,S10,S11
 AUX S1,AUX S2,AUX S4,AUX S5
 PHASES USED.....1,2,3,4,5,6,7,8
 OVERLAP "A".....*
 OVERLAP "B".....*
 OVERLAP "C".....*
 OVERLAP "D".....*
 * See overlap programming detail on sheet 2

SIGNAL HEAD HOOK-UP CHART

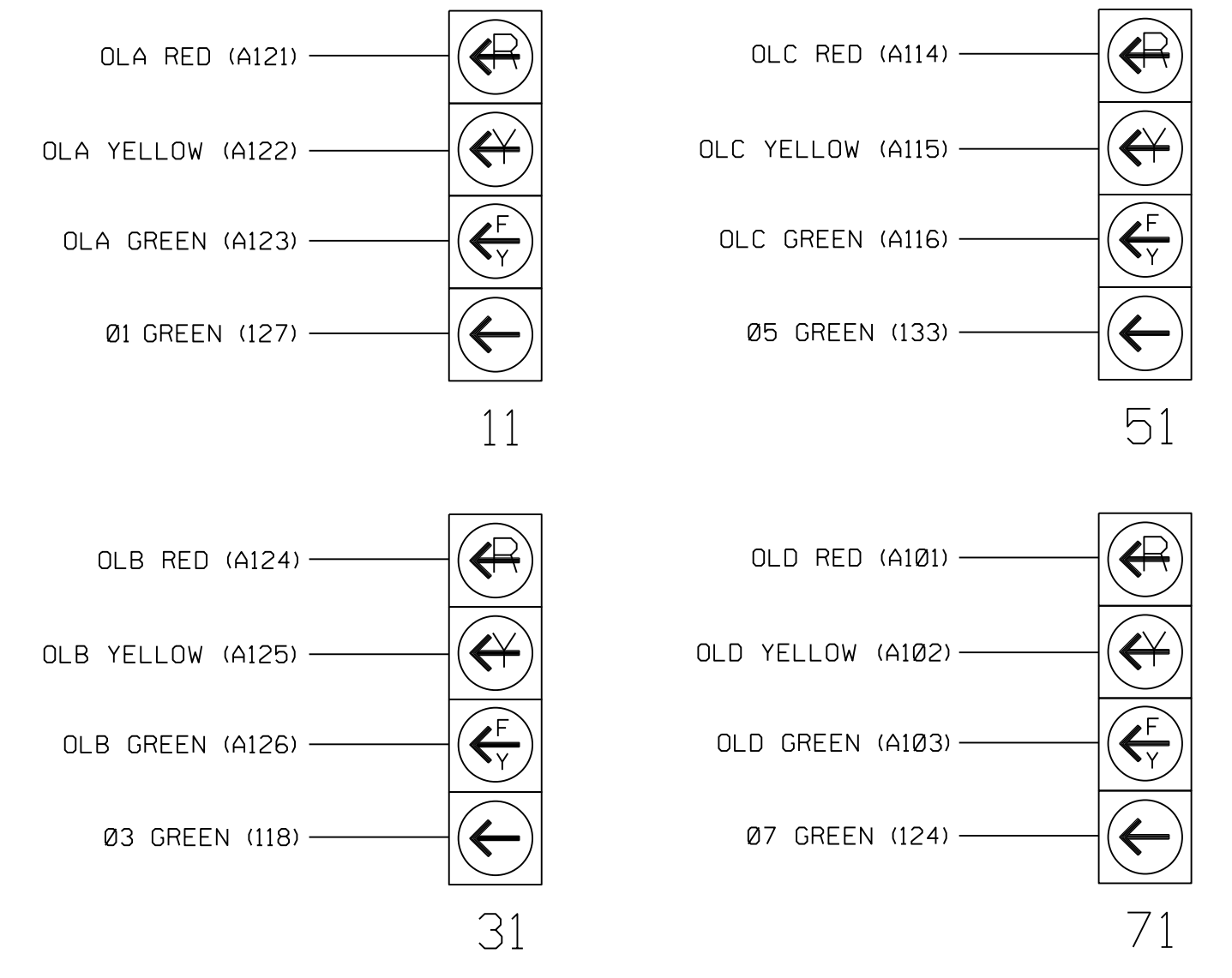
| LOAD SWITCH NO. | S1 | S2 | S3 | S4 | S5 | S6 | S7 | S8 | S9 | S10 | S11 | S12 | AUX S1 | AUX S2 | AUX S3 | AUX S4 | AUX S5 | AUX S6 | |
|-----------------------|-----|-------|----|-----|-------|----|-----|-----|-------|-----|-----|-----|--------|--------|--------|--------|--------|--------|----|
| 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 | 3 | 4 | 4 | 5 | 6 | 6 | 7 | 8 | 8 | OLA | OLB | SPARE | OLC | OLD | SPARE | |
| SIGNAL HEAD NO. | 11 | 21,22 | NU | 31 | 41,42 | NU | 42 | 51 | 61,62 | NU | 62 | 71 | 81,82 | NU | 31 | NU | 51 | 71 | NU |
| RED | | 128 | | | 101 | | * | | 134 | | * | | 107 | | | | | | |
| YELLOW | * | 129 | | * | 102 | | | | 135 | | | | 108 | | | | | | |
| GREEN | | 130 | | | 103 | | | | 136 | | | | 109 | | | | | | |
| RED ARROW | | | | | | | | | | | | | A121 | A124 | | A114 | A101 | | |
| YELLOW ARROW | | | | | | | | 132 | | | 123 | | A122 | A125 | | A115 | A102 | | |
| FLASHING YELLOW ARROW | | | | | | | | | | | | | A123 | A126 | | A116 | A103 | | |
| GREEN ARROW | 127 | | | 118 | | | 133 | 133 | | 124 | 124 | | | | | | | | |

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)



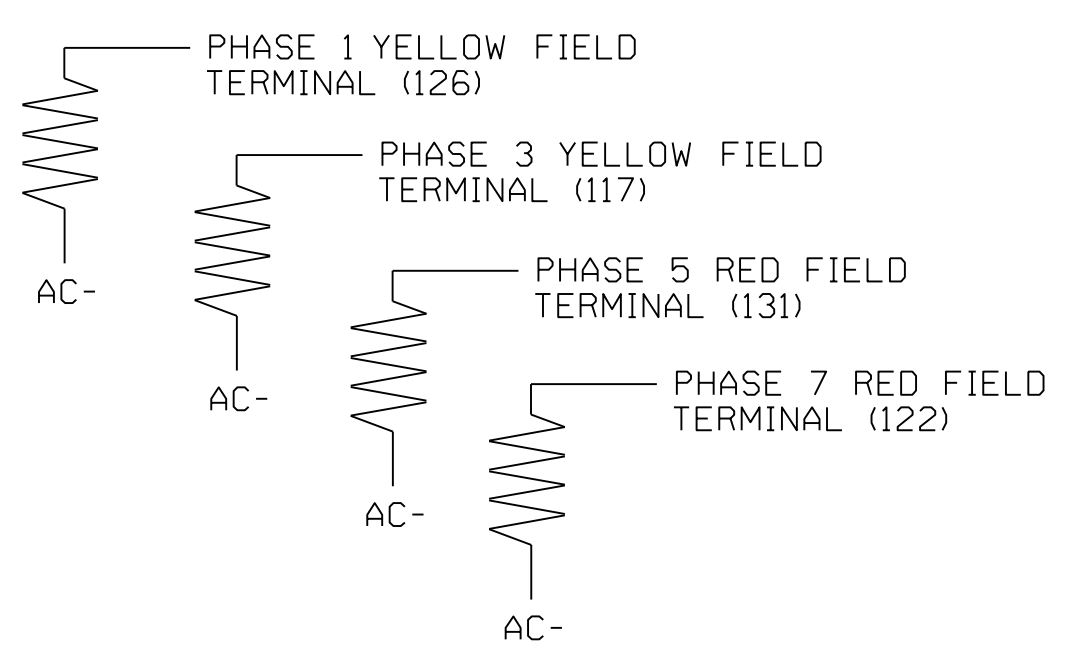
FYA SIGNAL WIRING DETAIL
(wire signal heads as shown)



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) |



SPECIAL DETECTOR NOTE:
 Note: Install a video detection system for vehicle detection. Perform installation in accordance with manufacturer's directions and NCDOT engineer approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans for the following video zones: 1A, 2A, 2B, 3A, 4A, 5A, 5B, 6A, 7A, AND 8A.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0109T1
 DESIGNED: November 2019
 SEALED: 05/15/2020
 REVISED: N/A

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 License: C-2197

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

ELECTRICAL AND PROGRAMMING DETAILS FOR:
 US 701 Bypass/NC 130 (N. J.K. Powell Blvd) at US 74-76 BUS/NC 130 (Washington Street)
 Division 06 Columbus County Whiteville
 PLAN DATE: November 2019 REVIEWED BY:
 PREPARED BY: M.B. Copple REVIEWED BY: G.G. Murr, Jr.
 REVISIONS INIT. DATE
 750 N. Greenfield Pkwy, Garner, NC 27529

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 MATTHEW B. COPPLE
 27771
 Matthew Copple
 27771
 DATE
 SIG. INVENTORY NO. 06-0109T1

5/15/2020
 R-50208-11g.dsn, 06-0109T1e, -0gn
 USER: M.Copple