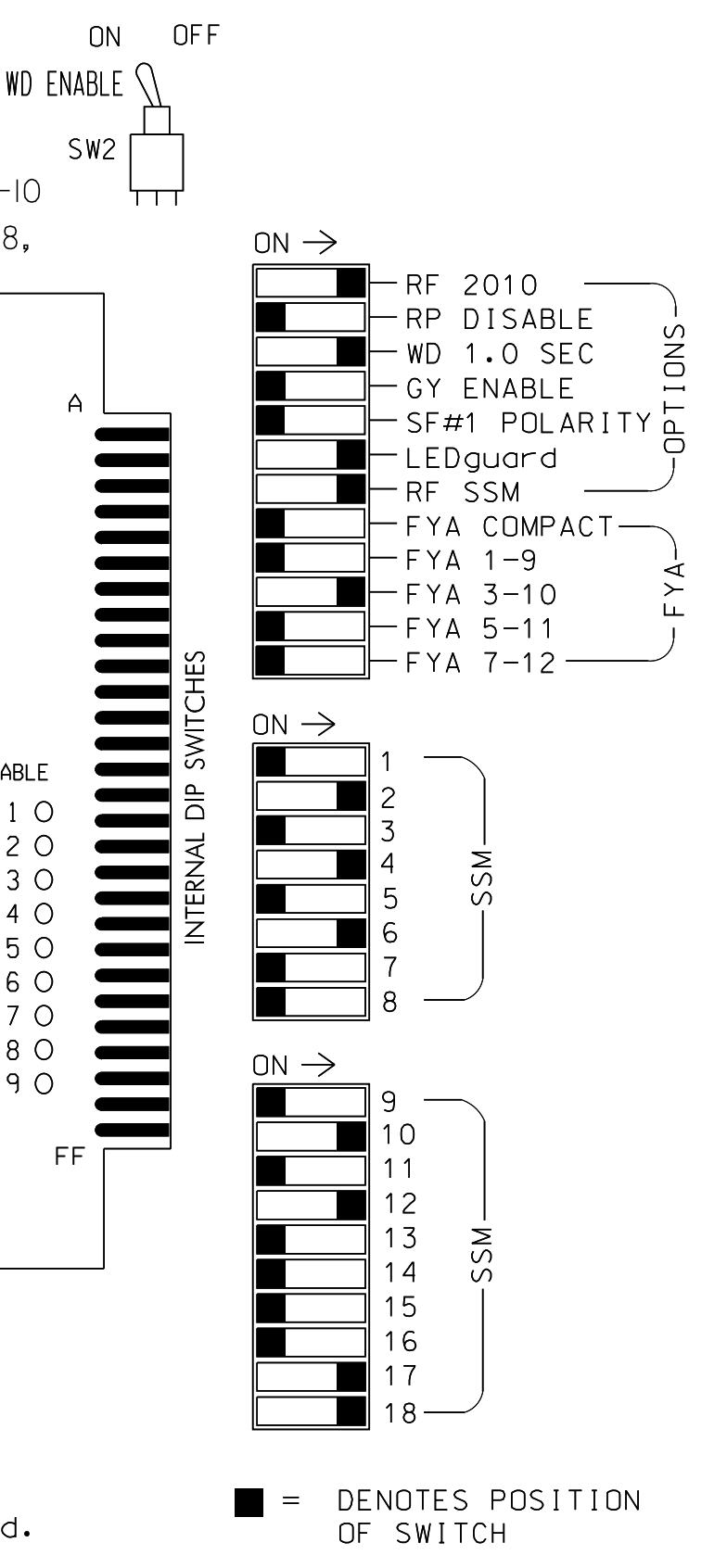
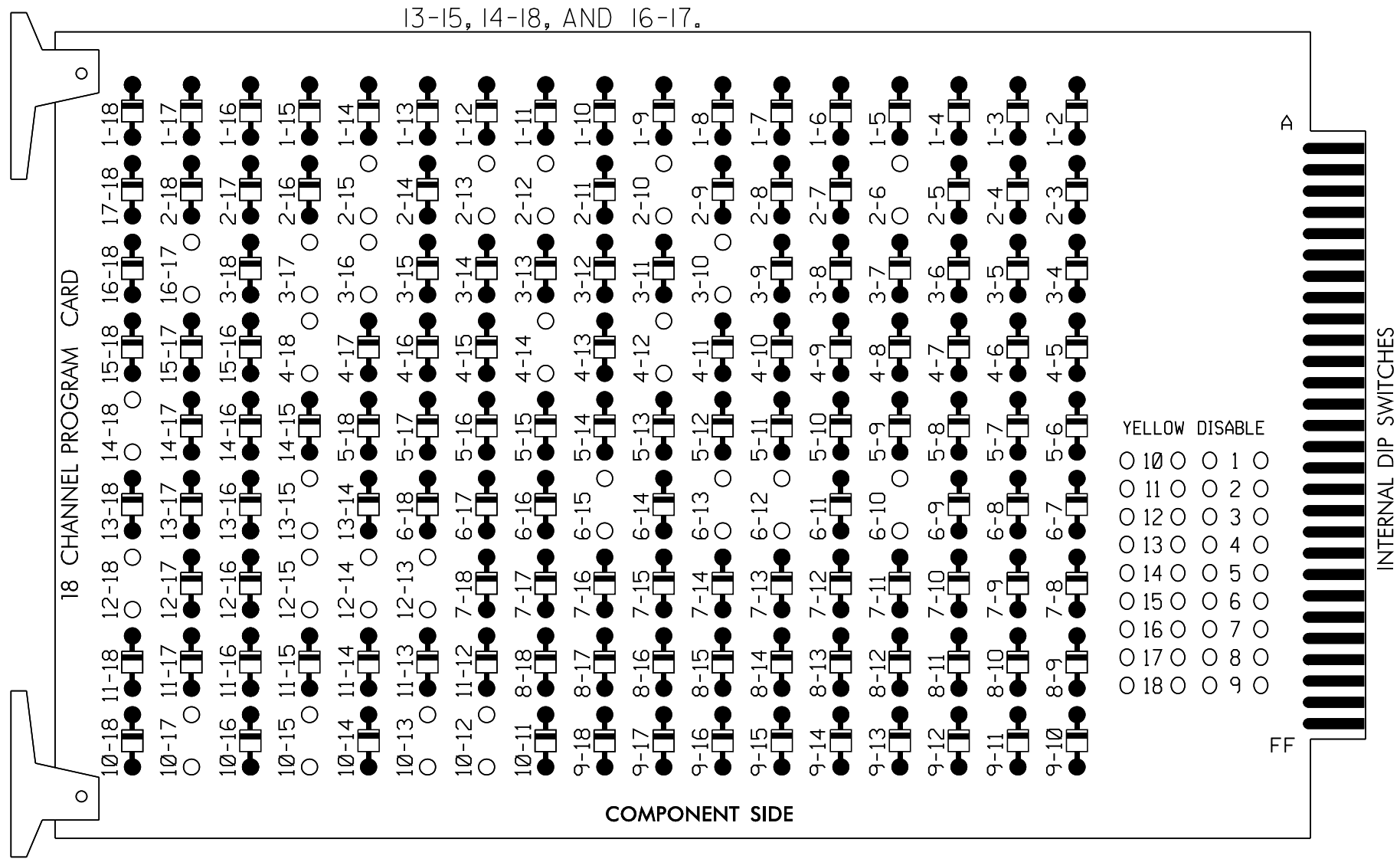


18 CHANNEL CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 2-6, 2-10, 2-12, 2-13, 2-15, 3-10, 3-16, 3-17, 4-12, 4-14, 4-18, 6-10, 6-12, 6-13, 6-15, 10-12, 10-13, 10-15, 10-17, 12-13, 12-14, 12-15, 12-18, 13-15, 14-18, AND 16-17.



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. Integrate monitor with Ethernet network in cabinet.

NOTES

- 1. To prevent "flash-conflict" problems, insert red flash program blocks for all unused vehicle load switches in the output file.
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 11018 Cornelius Signal System.

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.....S2,S3,S4,S5, S6,S8,S9,S12, AUX S2, AUX S3, AUX S5, AUX S6
PHASES USED.....2,2PED,3PED, 4,4PED,6,6PED
OVERLAP "A".....NOT USED
OVERLAP "B".....*
OVERLAP "C".....NOT USED
OVERLAP "D".....*
OVERLAP "E".....*
OVERLAP "F".....*
OVERLAP "G".....*
* See overlap programming detail on sheet 2

SIGNAL HEAD HOOK-UP CHART

Table with columns for Load Switch No., S1-S12, AUX S1-S6, and Signal Head No. with corresponding values for Red, Yellow, Green, and Arrow signals.

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)

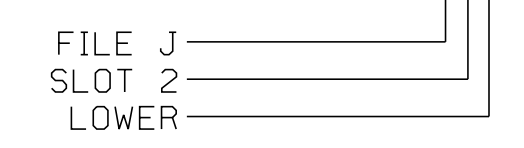
Table showing input file positions 1-14 with loop numbers and file names like 2A, 4A, 6A, etc.

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

INPUT FILE CONNECTION & PROGRAMMING CHART

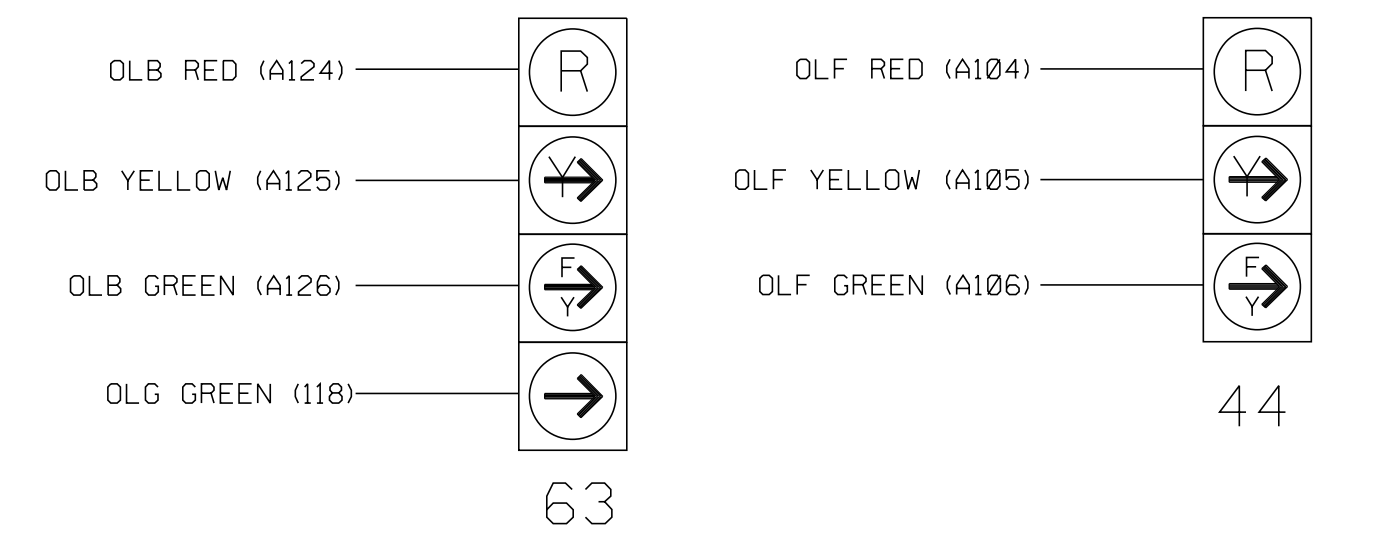
Table with columns for Loop No., Loop Terminal, Input File Pos., Pin No., Detector No., NEMA Phase, Call, Extend Time, Delay Time, Added Initial, and Detector Type.

INPUT FILE POSITION LEGEND:



FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



FLASHER CIRCUIT MODIFICATION DETAIL

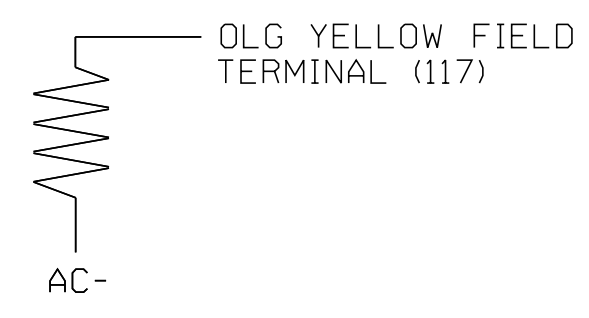
IN ORDER TO ENSURE THAT SIGNALS FLASH CONCURRENTLY ON THE SAME APPROACH, MAKE THE FOLLOWING FLASHER CIRCUIT CHANGES:

- 1. ON REAR OF PDA - REMOVE WIRE FROM TERM. T2-4 AND TERMINATE ON T2-2.
2. ON REAR OF PDA - REMOVE WIRE FROM TERM. T2-5 AND TERMINATE ON T2-3.
3. REMOVE FLASHER UNIT 2.
THE CHANGES LISTED ABOVE TIES ALL PHASES AND OVERLAPS TO FLASHER UNIT 1.

LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown)

Table with columns for Value (ohms) and Wattage, showing acceptable values like 1.5K - 1.9K at 25W.



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.

This plan supersedes the signal plan signed and sealed by Steven G. Haynie, PE on 05/31/2022.



Professional seal area for Steven G. Haynie, PE, including project details, dates, and signatures.

11/8/2023 8:41:07 AM C:\Users\sgaynie\OneDrive\Documents\100885_sml\10-0885.dgn