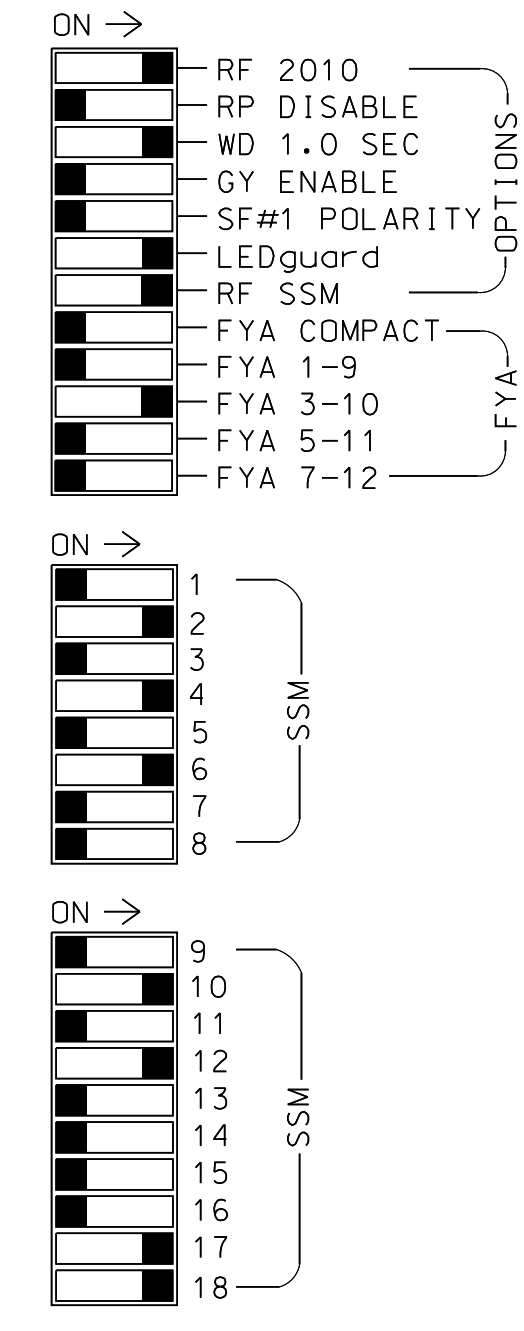
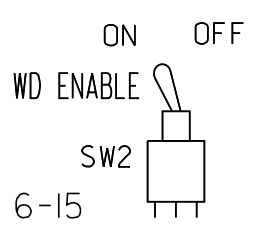
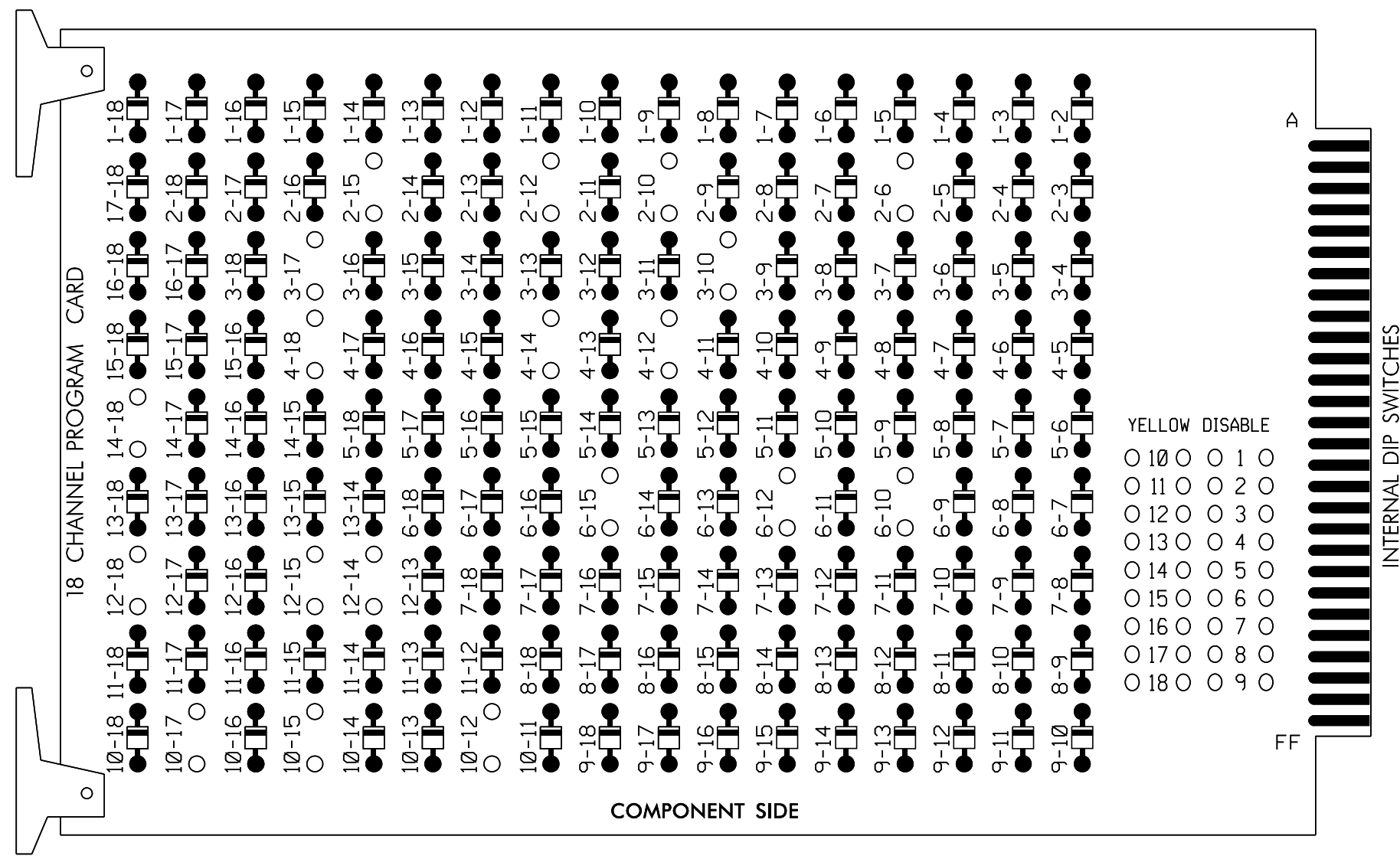


### 18 CHANNEL CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 2-6, 2-10, 2-12, 2-15, 3-10, 3-17, 4-12, 4-14, 4-18, 6-10, 6-12, 6-15, 10-12, 10-15, 10-17, 12-14, 12-15, 12-18, and 14-18



#### 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 phase 6 Walk.
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,S4,S5,S6,S8, S9,AUX S2,AUX S3
PHASES USED.....2,4,4PED, 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

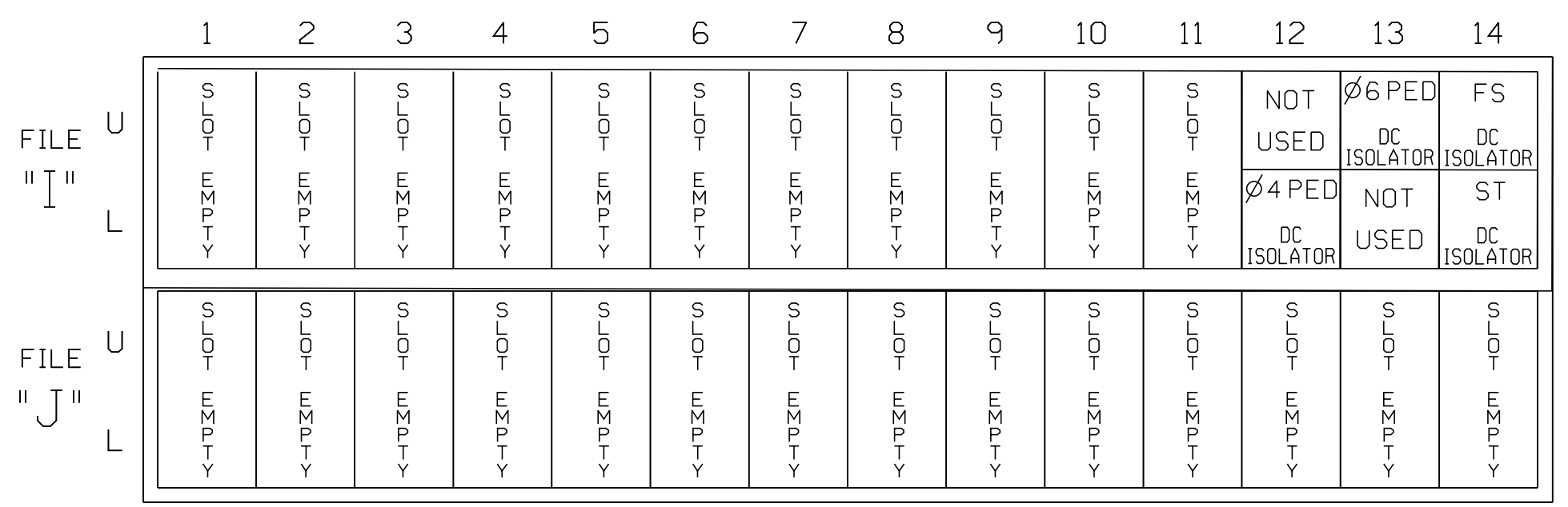
Table with columns for Load Switch No., S1-S6, S9-S12, AUX S1-S6, and Signal Head No. (RED, YELLOW, GREEN, RED ARROW, YELLOW ARROW, FLASHING YELLOW ARROW, GREEN ARROW). Includes pedestrian and wheelchair symbols.

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)



EX.: 1A, 2A, ETC. = LOOP NO.'S

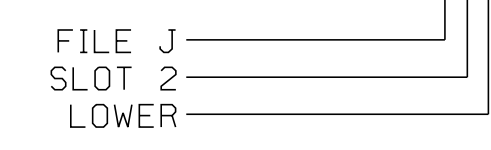
FS = FLASH SENSE
ST = STOP TIME

### INPUT FILE CONNECTION & PROGRAMMING CHART

Table with columns: LOOP NO., LOOP TERMINAL, INPUT FILE POS., PIN NO., INPUT ASSIGNMENT NO., DETECTOR NO., NEMA PHASE, CALL, EXTEND, FULL TIME DELAY, STRETCH TIME, DELAY TIME. Includes rows for PED PUSH BUTTONS, P41,P42, and P61,P62.

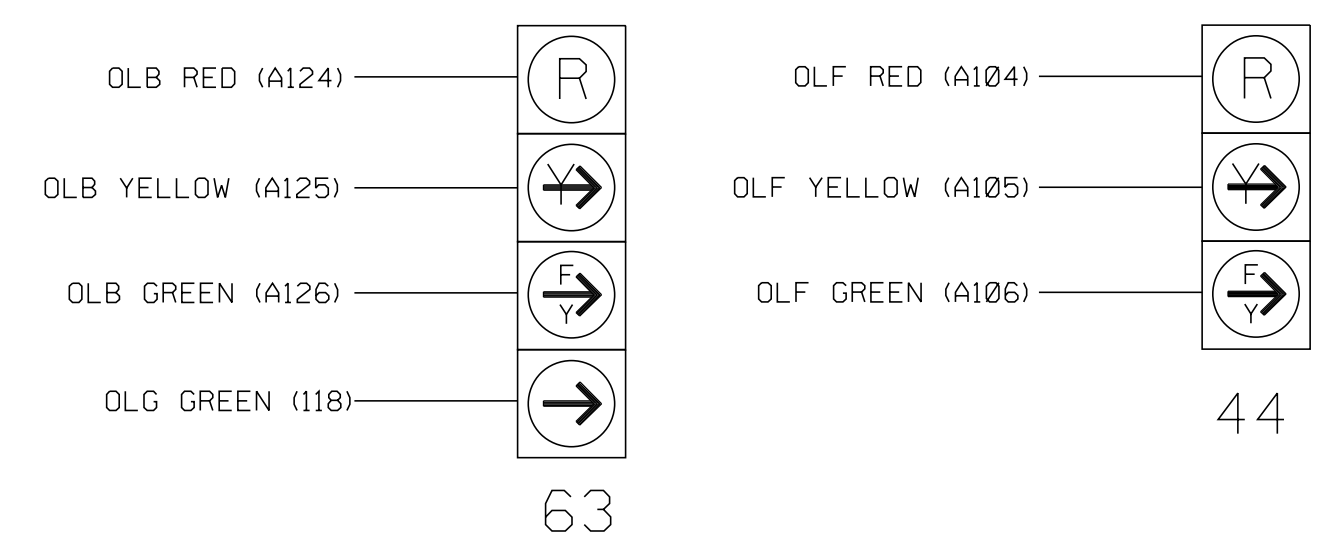
NOTE: INSTALL DC ISOLATORS IN INPUT FILE SLOTS I12 AND I13.

INPUT FILE POSITION LEGEND: J2L



### FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



### 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 ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 10-0885T4
DESIGNED: February 2023
SEALED: February 21, 2023
REVISED: N/A

Temporary Signal 4 - TCP Phases 3B, 4
Electrical Detail - Sheet 1 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Professional seal area for Steven G. Haynie, PE, including project details, date (3/8/2023), and company information (RS&H).

### SPECIAL DETECTOR NOTE

Install a video 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.

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

