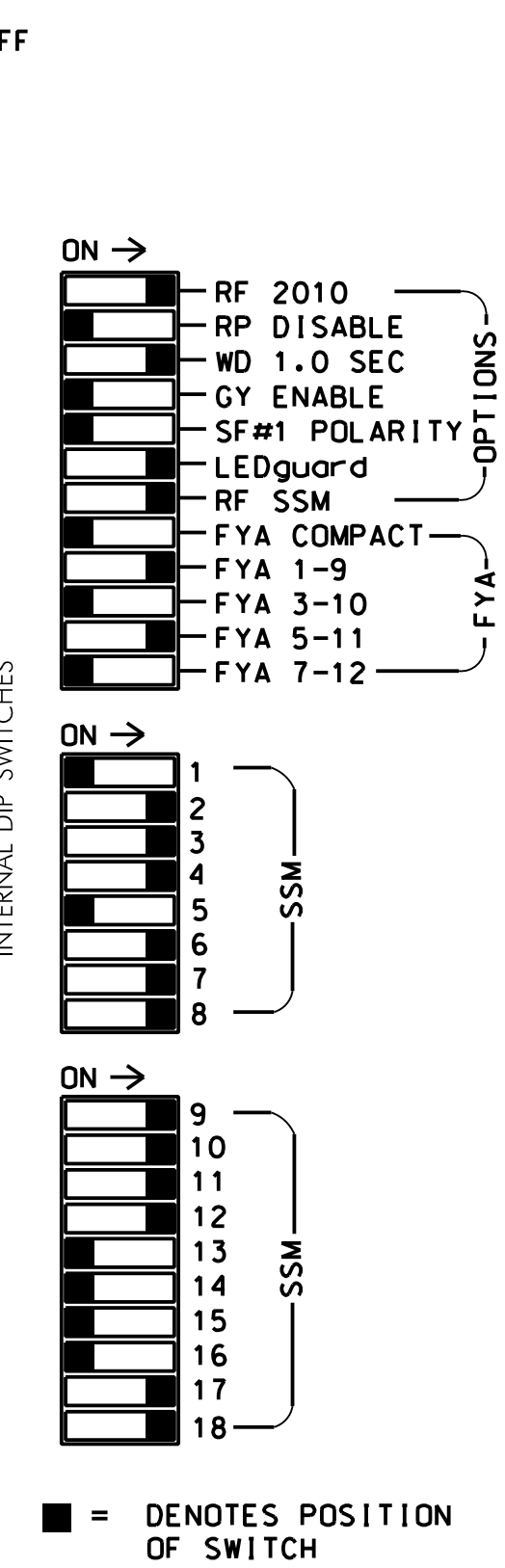
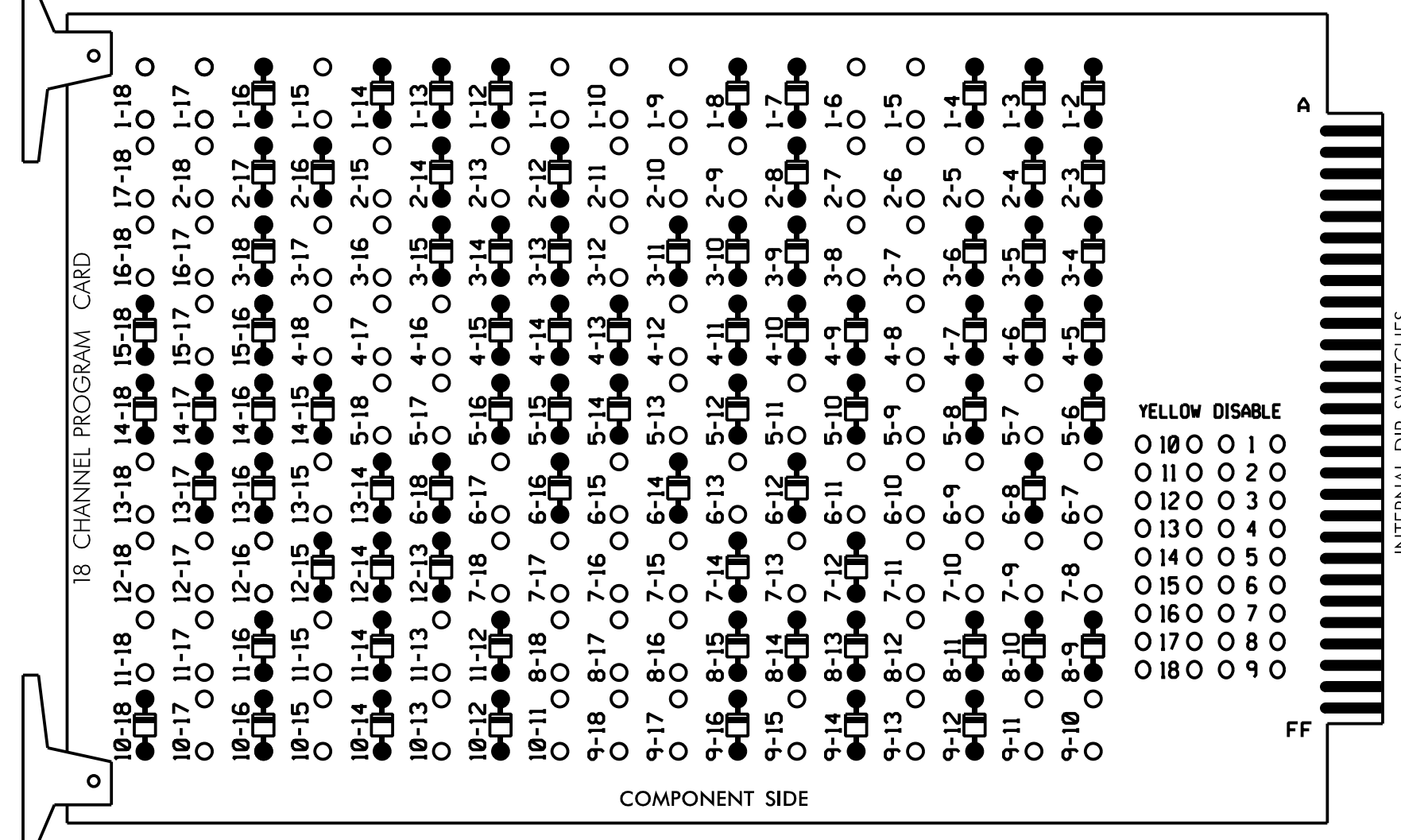


EDI MODEL 2018EClip-NC CONFLICT MONITOR PROGRAMMING DETAIL

REMOVE DIODE JUMPERS 1-5, 1-6, 1-9, 1-10, 1-11, 1-15, 1-17, 1-18, 2-5, 2-6, 2-7, 2-9, 2-10, 2-11, 2-13, 2-15, 2-18, 3-7, 3-8, 3-12, 3-16, 3-17, 4-8, 4-12, 4-16, 4-17, 4-18, 5-7, 5-9, 5-11, 5-13, 5-17, 5-18, 6-7, 6-9, 6-10, 6-11, 6-13, 6-15, 6-17, 7-8, 7-9, 7-10, 7-11, 7-13, 7-15, 7-16, 7-17, 7-18, 8-12, 8-16, 8-17, 8-18, 9-10, 9-11, 9-13, 9-15, 9-17, 9-18, 10-11, 10-13, 10-15, 10-17, 11-13, 11-15, 11-17, 11-18, 12-16, 12-17, 12-18, 13-15, 13-18, 15-17, 16-17, 16-18, and 17-18.



REMOVE JUMPERS 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. 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. The installer shall verify that signal heads flash in accordance with the Signal Plans. 2. Program phase 8 for Dual Entry. 3. Enable Simultaneous Gap-Out for all Phases. 4. Program phases 2 and 6 for Variable Initial and Gap Reduction. 5. Program phases 2 and 6 for Startup In Green. 6. Program Phases 2, 6, and 8 for Startup Ped Call. 7. Program phases 2 and 6 for Yellow Flash, and overlaps 1 and 5 as Wag Overlaps. 8. The cabinet and controller are part of the Wilmington Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070E CABINET.....332 W/ AUX SOFTWARE.....ECONOLITE OASIS CABINET MOUNT.....BASE OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE LOAD SWITCHES USED.....S1,S2,S3,S4,S5,S7,S8,S9,S10,S11,S12,AUX S1,AUX S2,AUX S3,AUX S4,AUX S5,AUX S6

PHASES USED.....1,2,2 PED,3,4,5,6,6 PED,8,8 PED OVERLAP "A".....1+2 OVERLAP "B".....6 OVERLAP "C".....5+6 OVERLAP "D".....8 OVERLAP "E".....1+8 OVERLAP "F".....4+5 OVERLAP "G".....2+3

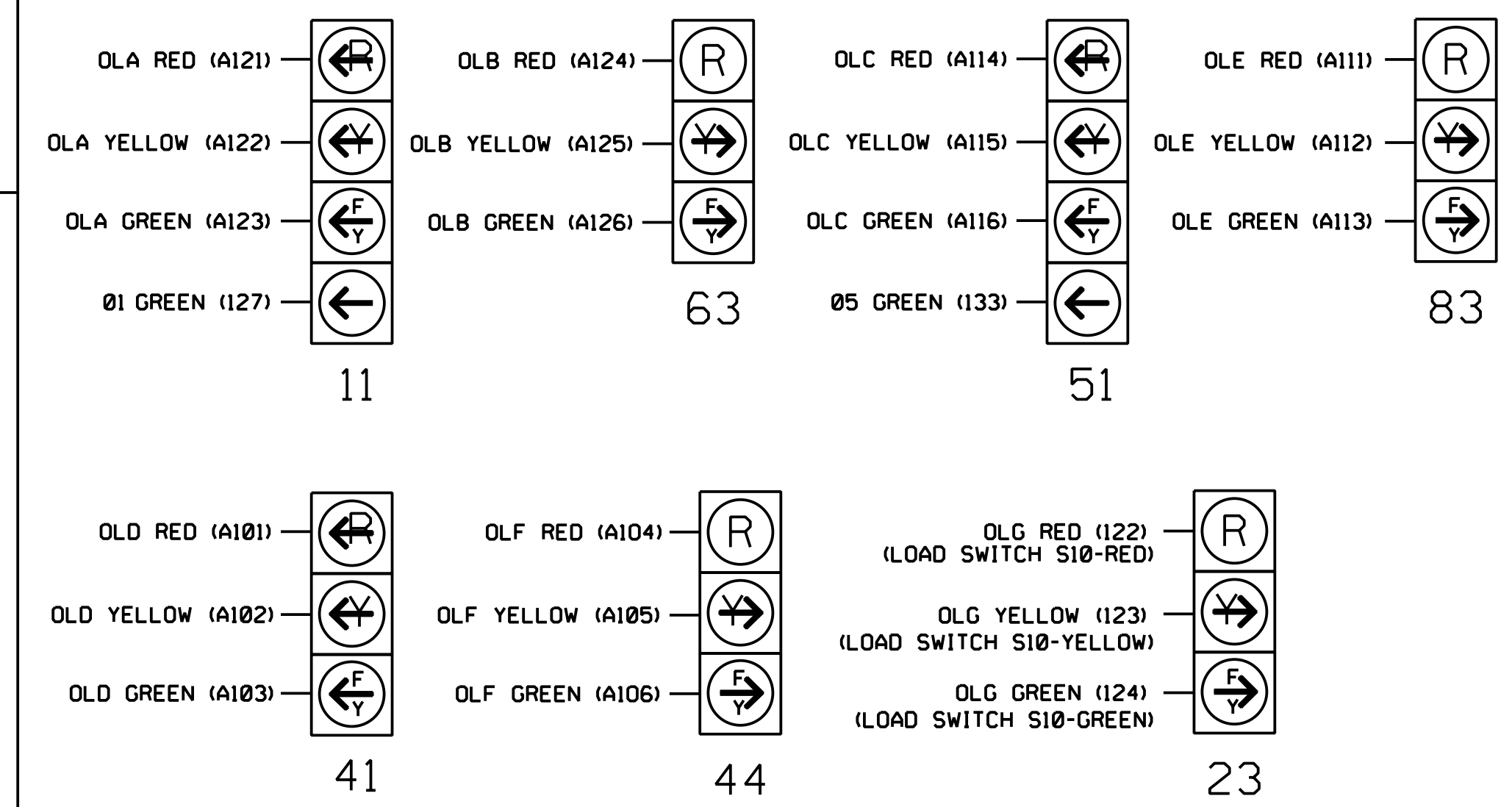
SIGNAL HEAD HOOK-UP CHART

Table with columns for LOAD SWITCH NO., S1-S12, AUX S1-S6, and signal head types (RED, YELLOW, GREEN, RED ARROW, YELLOW ARROW, FLASHING YELLOW ARROW, GREEN ARROW) with corresponding hook-up values.

NU = Not Used * Denotes install load resistor. See load resistor installation detail this sheet. * See pictorial of head wiring in detail this sheet. NOTE: Load switches S10,AUX S3,and AUX S6 require output remapping. See Sheets 7,8,and 9 of this electrical detail for instructions.

FYA SIGNAL WIRING DETAIL

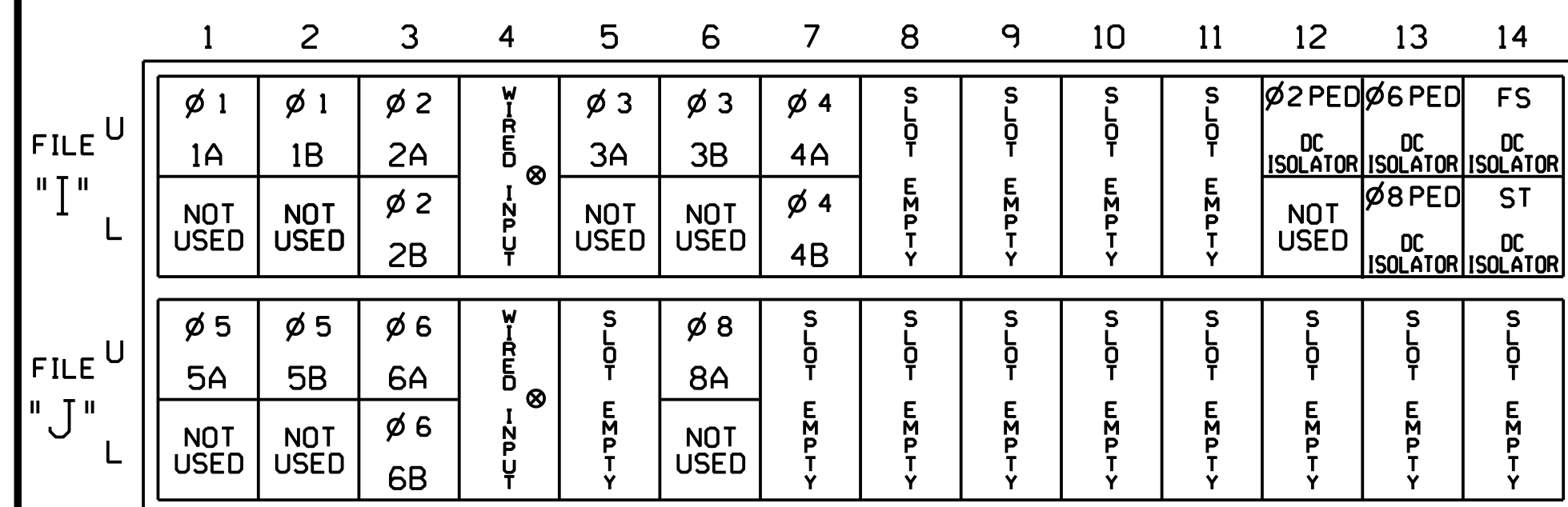
(wire signal heads as shown)



NOTE The sequence display for signal heads 11 and 51 requires special logic programming. See sheet 2 for programming instructions.

INPUT FILE POSITION LAYOUT

(front view)



EX.: 1A, 2A, ETC. = LOOP NO.'S FS = FLASH SENSE ST = STOP TIME * Wired Input - Do not populate slot with detector card

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 PED PUSH BUTTONS and a note to install DC isolators.

LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown below)

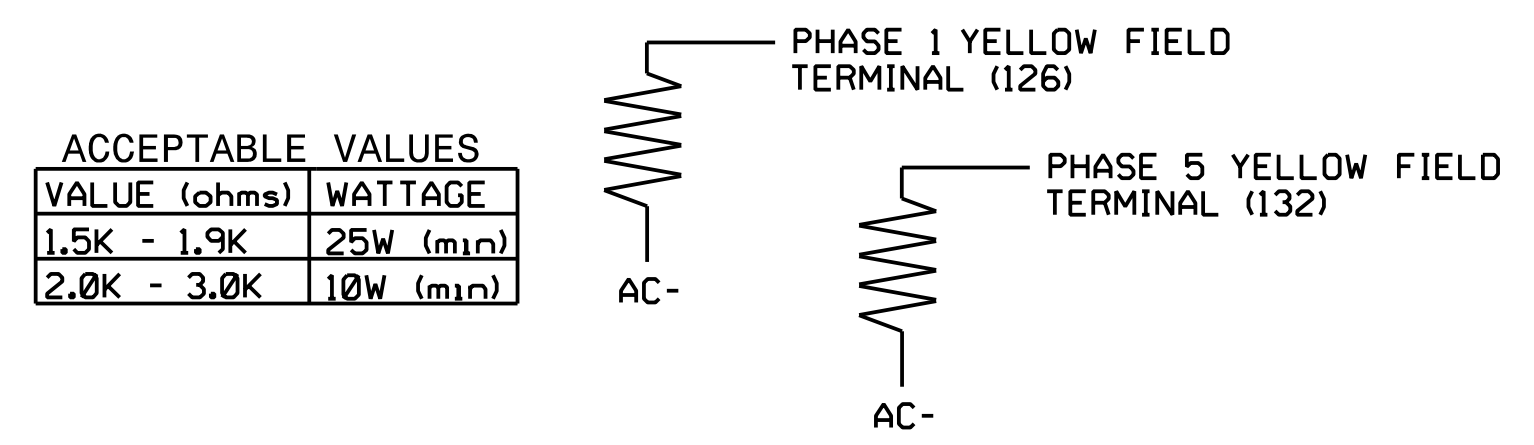
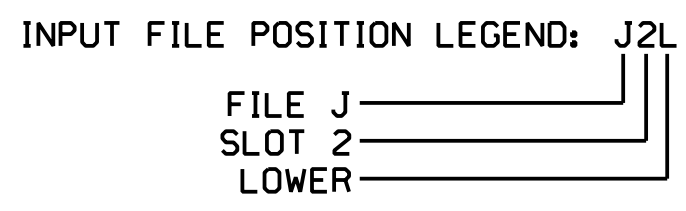


Table with columns: VALUE (ohms), WATTAGE. Values: 1.5K - 1.9K, 25W (min); 2.0K - 3.0K, 10W (min).

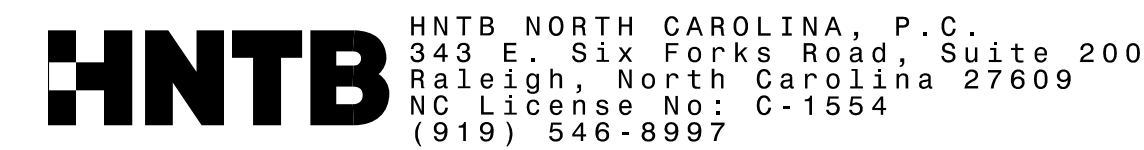
Electrical Detail - Sheet 1 of 9 Signal Upgrade Final Design

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

- 1 Add jumper from I1-W to J4-W. on rear of input file. 2 Add jumper from J1-W to I4-W. on rear of input file. * See Input Page Assignment programming details on sheets 4 and 5.



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-0369 DESIGNED: February 2018 SEALED: 11/04/2020 REVISED: N/A



Professional Engineer seal for Natasha R. Simmons, North Carolina License No. 031464. Includes project details for US 17 signal upgrade and a signature line.