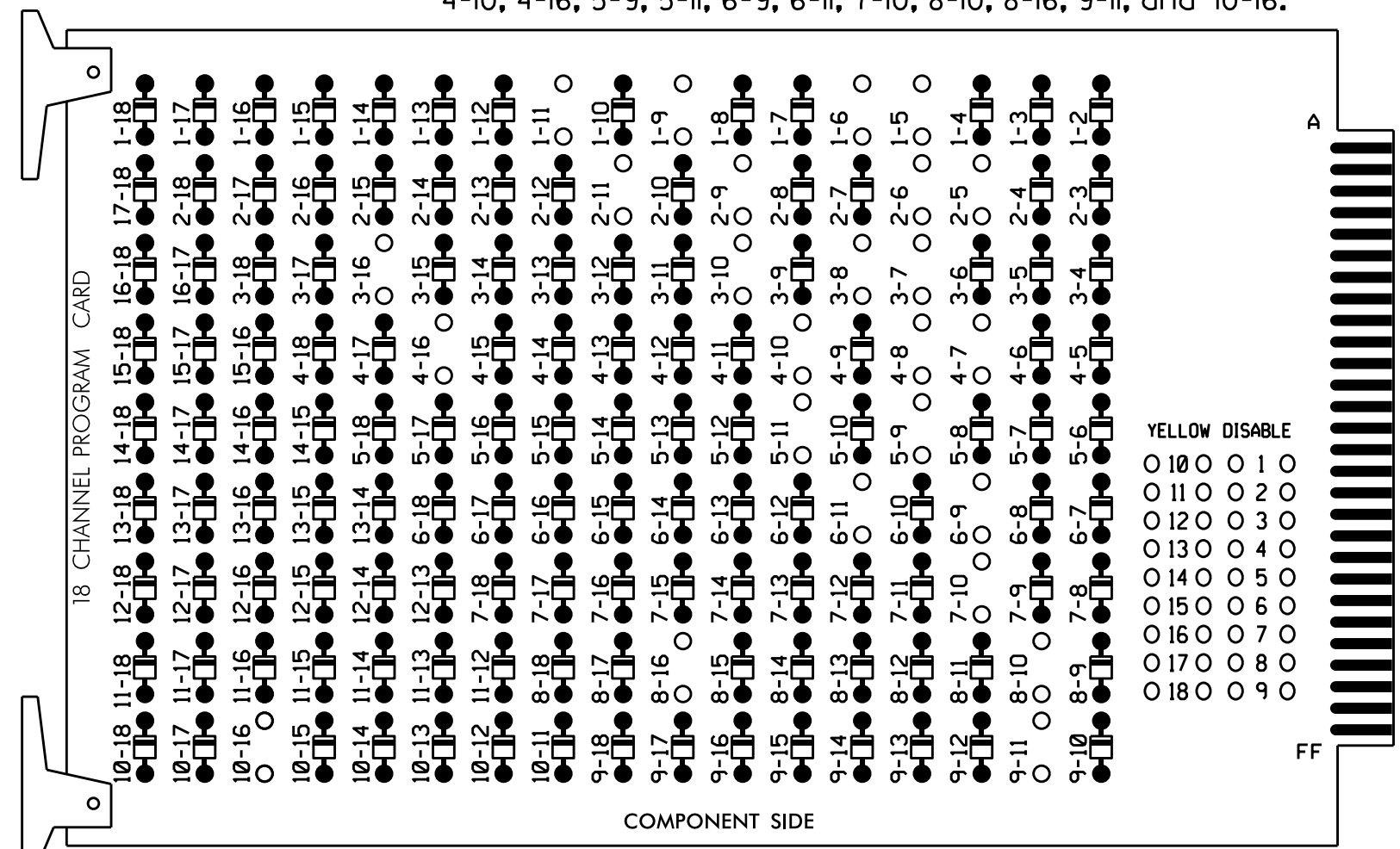


EDI MODEL 2018ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

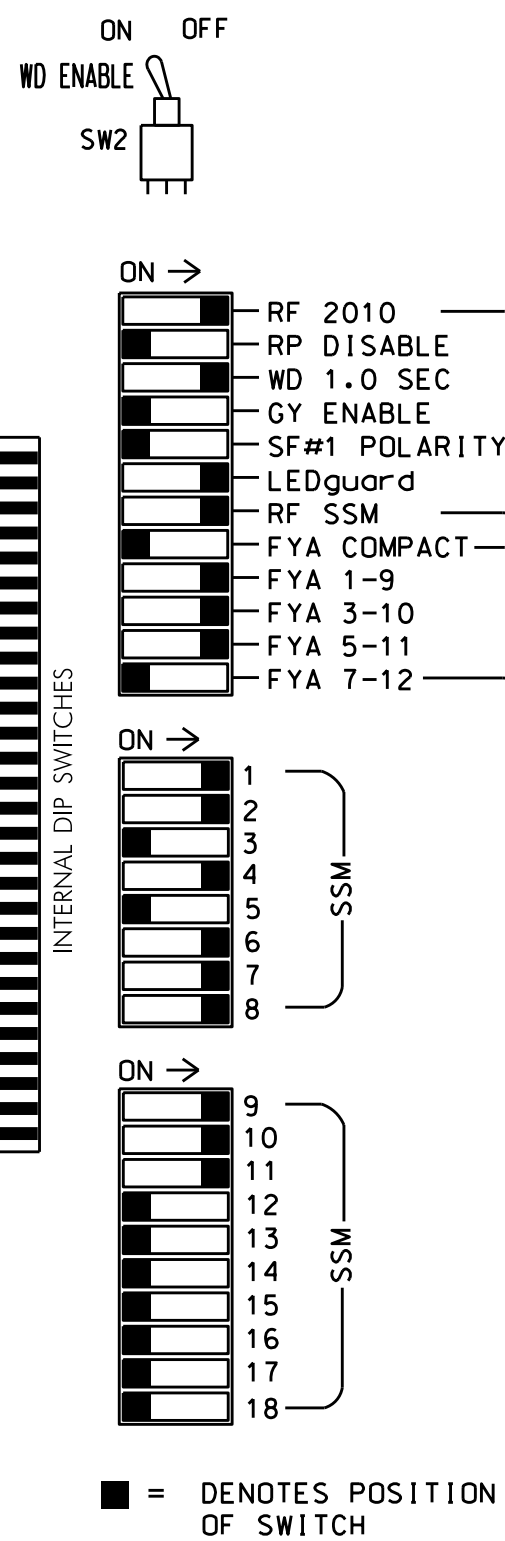
REMOVE DIODE JUMPERS 1-5, 1-6, 1-9, 1-11, 2-5, 2-6, 2-9, 2-11, 3-7, 3-8, 3-10, 3-16, 4-7, 4-8, 4-10, 4-16, 5-9, 5-11, 6-9, 6-11, 7-10, 8-10, 8-16, 9-11, and 10-16.



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 phase 4 for Dual Entry.
- Enable Simultaneous Gap-Out for all Phases.
- Program phases 2 and 6 for Variable Initial and Gap Reduction.
- Program phases 2 and 6 for Startup In Green.
- Program phase 8 for Startup Ped Call.
- Program phases 2 and 6 for Yellow Flash, and overlaps 1 and 2 as Wag Overlaps.
- The cabinet and controller are part of the Winston-Salem Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070
 CABINET.....332 W/ AUX
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S1,S2,S4,S5,S7,S8,S10,S11,S12.
 AUX S1,AUX S2,AUX S4
 PHASES USED.....1,2,3,4,5,6,7,8,8PED
 OVERLAP "A".....1+2
 OVERLAP "B".....3+4
 OVERLAP "C".....5+6
 OVERLAP "D".....NOT USED

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 PED | 3 | 4 | 4 PED | 5 | 6 | 6 PED | 7 | 8 | 8 PED | OLA | OLB | SPARE | OLC | OLD | SPARE | |
| SIGNAL HEAD NO. | 11 | 82 | 21,22 | NU | 31 | 41,42 | NU | 51 | 61,62 | NU | 62 | 71,72 | 81,82 | P81, P82 | 11 | 31 | NU | 51 | NU |
| RED | * | 128 | | | 101 | | | 134 | | | | 107 | | | | | | | |
| YELLOW | | 129 | | * | 102 | | * | 135 | | | | 108 | | | | | | | |
| GREEN | | 130 | | | 103 | | | 136 | | | | 109 | | | | | | | |
| RED ARROW | | | | | | | | | | | | | 122 | | A121 | A124 | | A114 | |
| YELLOW ARROW | 126 | | | | | | | | | | | | | | A122 | A125 | | A115 | |
| FLASHING YELLOW ARROW | | | | | | | | | | | | | | | A123 | A126 | | A116 | |
| GREEN ARROW | 127 | 127 | | 118 | | | 133 | | | 124 | 124 | | | | | | | | |
| Hand icon | | | | | | | | | | | | | 110 | | | | | | |
| Person icon | | | | | | | | | | | | | | | | | | | 112 |

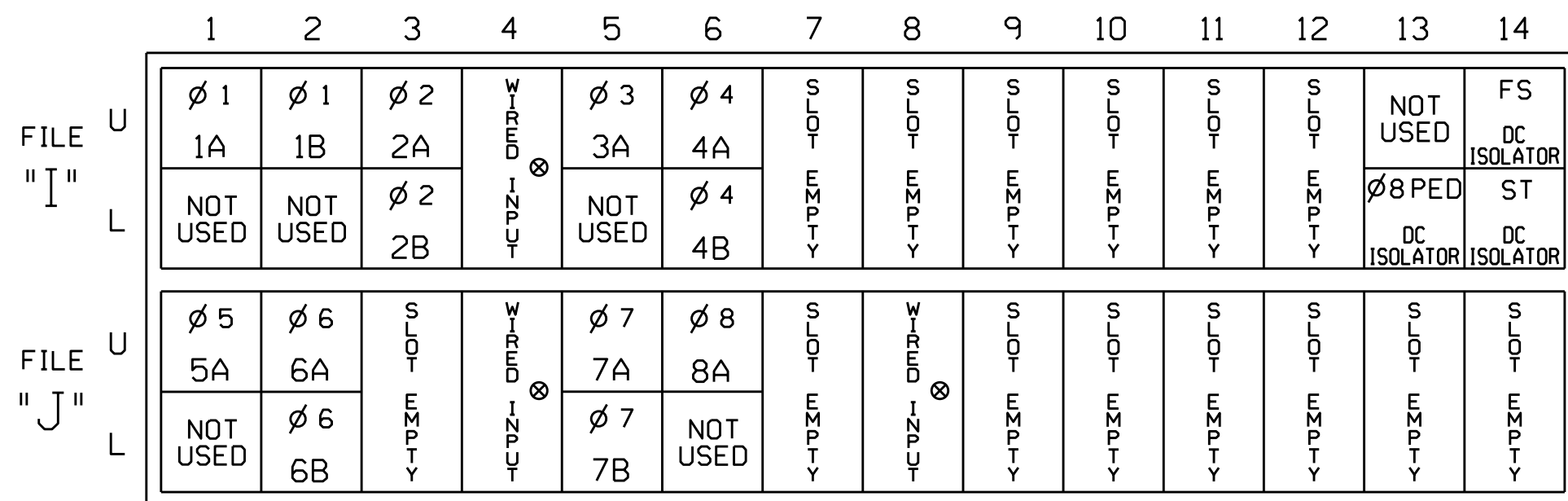
NU = Not Used

* 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

⊗ Wired Input - Do not populate slot with detector card

INPUT FILE CONNECTION & PROGRAMMING CHART

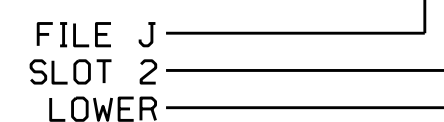
| LOOP NO. | LOOP TERMINAL | INPUT FILE POS. | PIN NO. | INPUT ASSIGNMENT NO. | DETECTOR NO. | NEMA PHASE | CALL | EXTEND | FULL TIME DELAY | STRETCH TIME | DELAY TIME |
|------------------|---------------|-----------------|---------|----------------------|--------------|------------|------|--------|-----------------|--------------|------------|
| 1A ¹ | TB2-1,2 | I1U | 56 | 18 | 1 | 1 | Y | Y | | | 15 |
| | - | J4U | 48 | 10★ | 26 | 6 | Y | Y | Y | | 3 |
| 1B | TB2-5,6 | I2U | 39 | 1 | 2 | 1 | Y | Y | | | 15 |
| | 2A | TB2-9,10 | I3U | 63 | 25 | 32 | 2 | Y | Y | | |
| 2B | TB2-11,12 | I3L | 76 | 38 | 42 | 2 | Y | Y | | | |
| | TB4-5,6 | I5U | 58 | 20 | 3 | 3 | Y | Y | | | 15 |
| 3A ² | - | J8U | 50 | 12★ | 28 | 8 | Y | Y | | | 3 |
| | - | I5U | 58 | 20★ | 53 | 3 | Y | Y | | | 3 |
| 4A | TB4-9,10 | I6U | 41 | 3 | 4 | 4 | Y | Y | | | 10 |
| | 4B | TB4-11,12 | I6L | 45 | 7 | 14 | 4 | Y | Y | | 15 |
| 5A ³ | TB3-1,2 | J1U | 55 | 17 | 5 | 5 | Y | Y | Y | | 15 |
| | - | I4U | 47 | 9★ | 22 | 2 | Y | Y | Y | | 3 |
| 6A | TB3-5,6 | J2U | 40 | 2 | 6 | 6 | Y | Y | | | |
| | 6B | TB3-7,8 | J2L | 44 | 6 | 16 | 6 | Y | Y | | |
| 7A | TB5-5,6 | J5U | 57 | 19 | 7 | 7 | Y | Y | | | |
| | 7B | TB5-7,8 | J5L | 57 | 19 | 7 | 7 | Y | Y | | |
| 8A | TB5-9,10 | J6U | 42 | 4 | 8 | 8 | Y | Y | | | |
| PED PUSH BUTTONS | | | | | | | | | | | |
| P81,P82 | TB8-8,9 | I13L | 70 | 32 | PED 8 | 8 PED | | | | | |

NOTE:
 INSTALL DC ISOLATOR IN INPUT FILE SLOT I13.

- Add jumper from I1-W to J4-W, on rear of input file.
- Add jumper from I5-W to J8-W, on rear of input file.
- Add jumper from J1-W to I4-W, on rear of input file.

★ See Input Page Assignment programming details on sheets 3, 4, and 5.

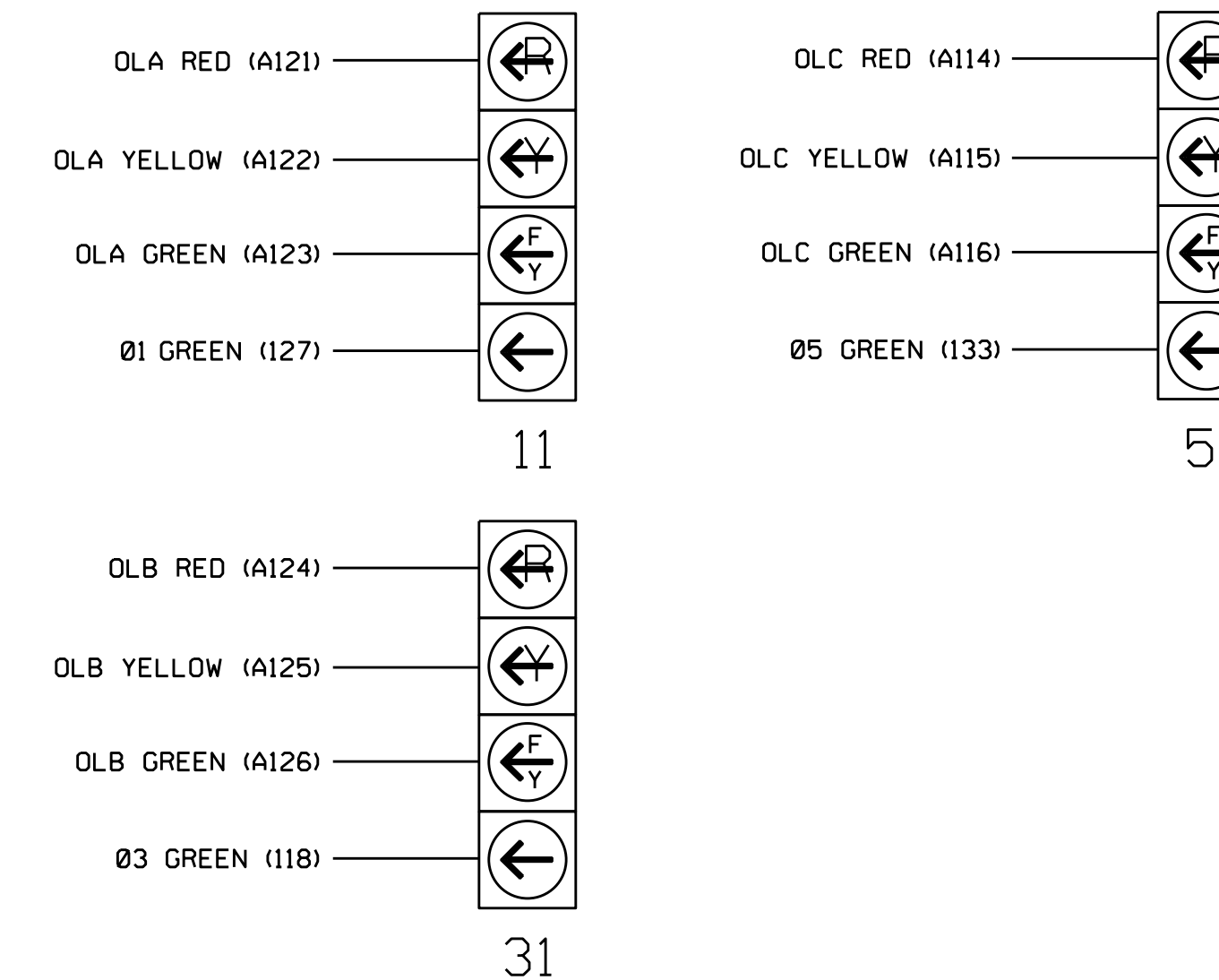
INPUT FILE POSITION LEGEND: J2L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 09-0660
 DESIGNED: May 2021
 SEALED: 7/9/2021
 REVISED: N/A

FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



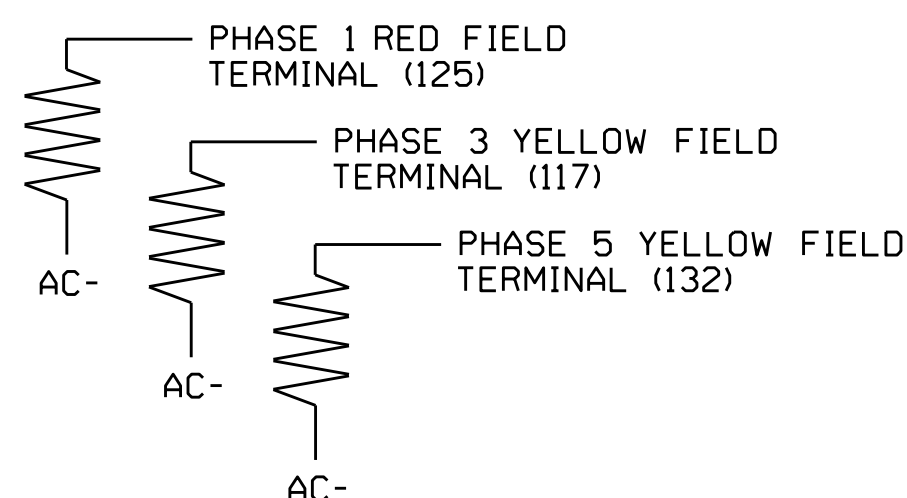
NOTE

The sequence display for signal heads 11, 31, and 51 requires special logic programming. See sheet 2 for programming instructions.

LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown below)

| VALUE (ohms) | WATTAGE |
|--------------|-----------|
| 1.5K - 1.9K | 25W (min) |
| 2.0K - 3.0K | 10W (min) |



IMPORTANT! Remove resistors from phase 3 and phase 7 RED field terminals.

Electrical Detail - Final Design - Sheet 1 of 6

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

Division 9 Forsyth County Winston-Salem

PLAN DATE: June 2021 REVIEWED BY:

PREPARED BY: S. Armstrong REVIEWED BY:

REVISIONS INIT. DATE

DocuSigned by: Ryan W. Hough 7/12/2021

SIG. INVENTORY NO. 09-0660

750 N. Greenfield Pkwy, Garner, NC 27529