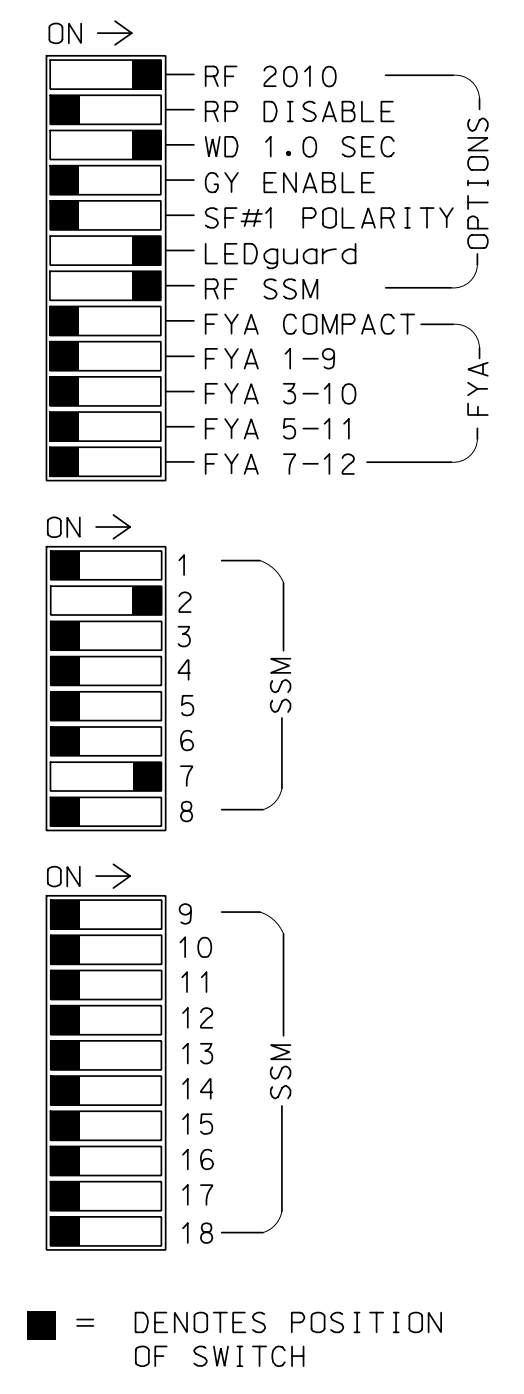
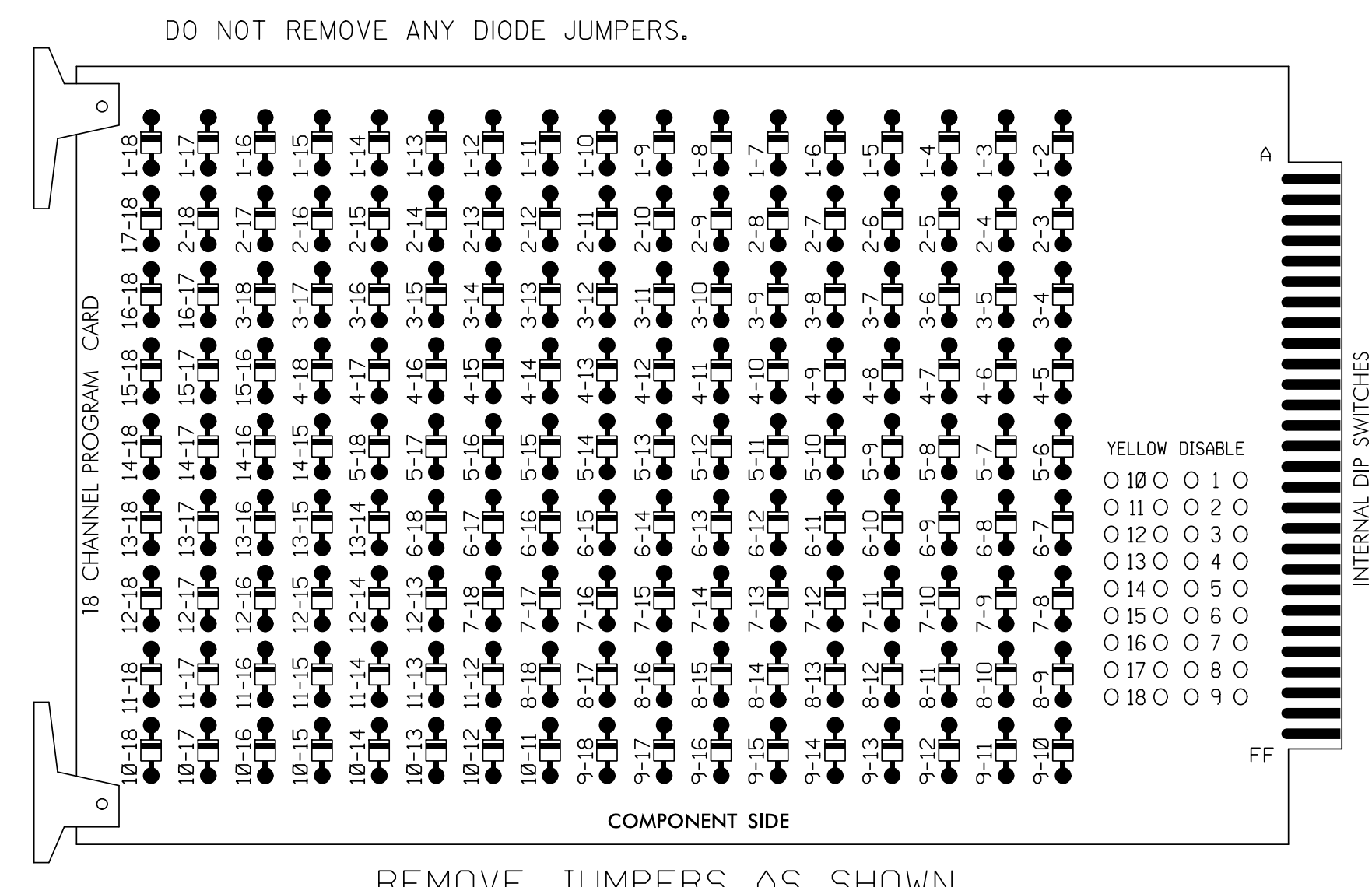


18 CHANNEL CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches 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 plan.
- Program controller to start up in phase 2 Green No Walk.
- If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.
- The cabinet and controller are part of the NC 55 Bypass Closed Loop System.

EQUIPMENT INFORMATION

CONTROLLER.....2070LX
 CABINET.....332 W/AUX
 SOFTWARE.....Q-Free MAXTIME
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S2,S10
 PHASES USED.....2,7
 OVERLAP "1".....NOT USED
 OVERLAP "2".....NOT USED
 OVERLAP "3".....NOT USED
 OVERLAP "4".....NOT USED

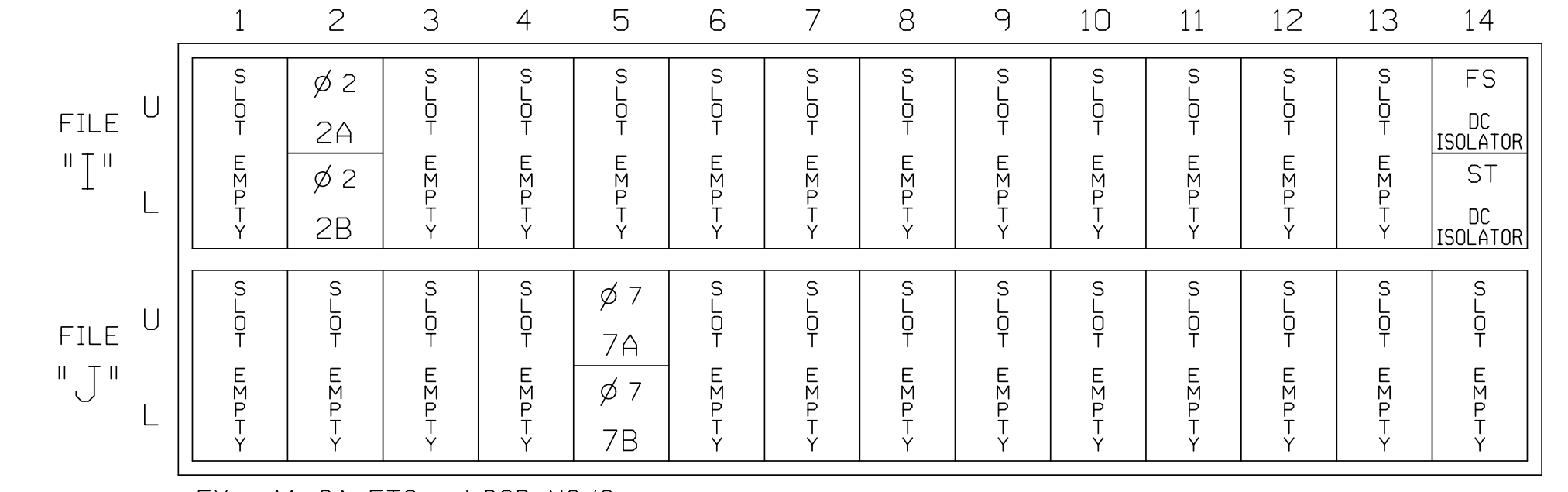
SIGNAL HEAD HOOK-UP CHART

| 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 | OL1 | OL2 | SPARE | OL3 | OL4 | SPARE |
| SIGNAL HEAD NO. | NU | 21,22 | NU | NU | NU | NU | NU | NU | NU | 71,72 | NU | NU | NU | NU | NU | NU | NU | NU |
| RED | | 128 | | | | | | | | | | | | | | | | |
| YELLOW | | 129 | | | | | | | | | | | | | | | | |
| GREEN | | | | | | | | | | | | | | | | | | |
| RED ARROW | | | | | | | | | | | 122 | | | | | | | |
| YELLOW ARROW | | | | | | | | | | | 123 | | | | | | | |
| FLASHING YELLOW ARROW | | | | | | | | | | | | | | | | | | |
| GREEN ARROW | | 130 | | | | | | | | 124 | | | | | | | | |

NU = Not Used

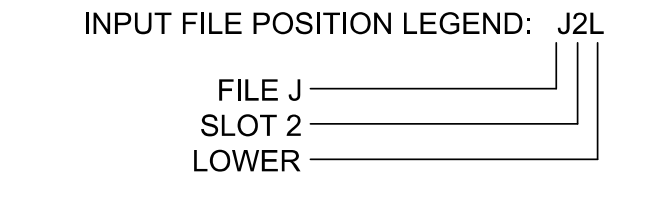
INPUT FILE POSITION LAYOUT

(front view)



INPUT FILE CONNECTION & PROGRAMMING CHART

| LOOP NO. | LOOP TERMINAL | INPUT FILE POS. | PIN NO. | INPUT POINT | DETECTOR NO. | CALL PHASE | DELAY TIME | EXTEND TIME | EXTEND | ADDED INITIAL | CALL | DELAY DURING GREEN |
|----------|---------------|-----------------|---------|-------------|--------------|------------|------------|-------------|--------|---------------|------|--------------------|
| 2A | TB2-5,6 | I2U | 39 | 1 | 2 | 2 | | | X | X | X | |
| 2B | TB2-7,8 | I2L | 43 | 5 | 3 | 2 | | | X | X | X | |
| 7A | TB5-5,6 | J5U | 57 | 19 | 21 | 7 | | | X | | X | |
| 7B | TB5-7,8 | J5L | 57 | 19 | 21 | 7 | | | X | | X | |



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-1404
 DESIGNED: August 2022
 SEALED: 06/22/2023
 REVISED: N/A

Electrical Detail

ELECTRICAL AND PROGRAMMING DETAILS FOR:

PLANS PREPARED IN THE OFFICE OF:
Kimley»Horn
 NC License #F-0102
 421 Fayetteville Street, Suite 600
 Raleigh, NC 27601
 (919) 677-2000



| | |
|---|-------------------------|
| NC 55 Bypass Northbound at U-Turn South of NC 210 | |
| Division 6 | Harnett County Angier |
| PLAN DATE: August 2022 | REVIEWED BY: KP Baumann |
| PREPARED BY: CF Davis | REVIEWED BY: |
| REVISIONS | INIT. DATE |
| | |
| | |

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

6/22/2023

SIG. INVENTORY NO. 06-1404