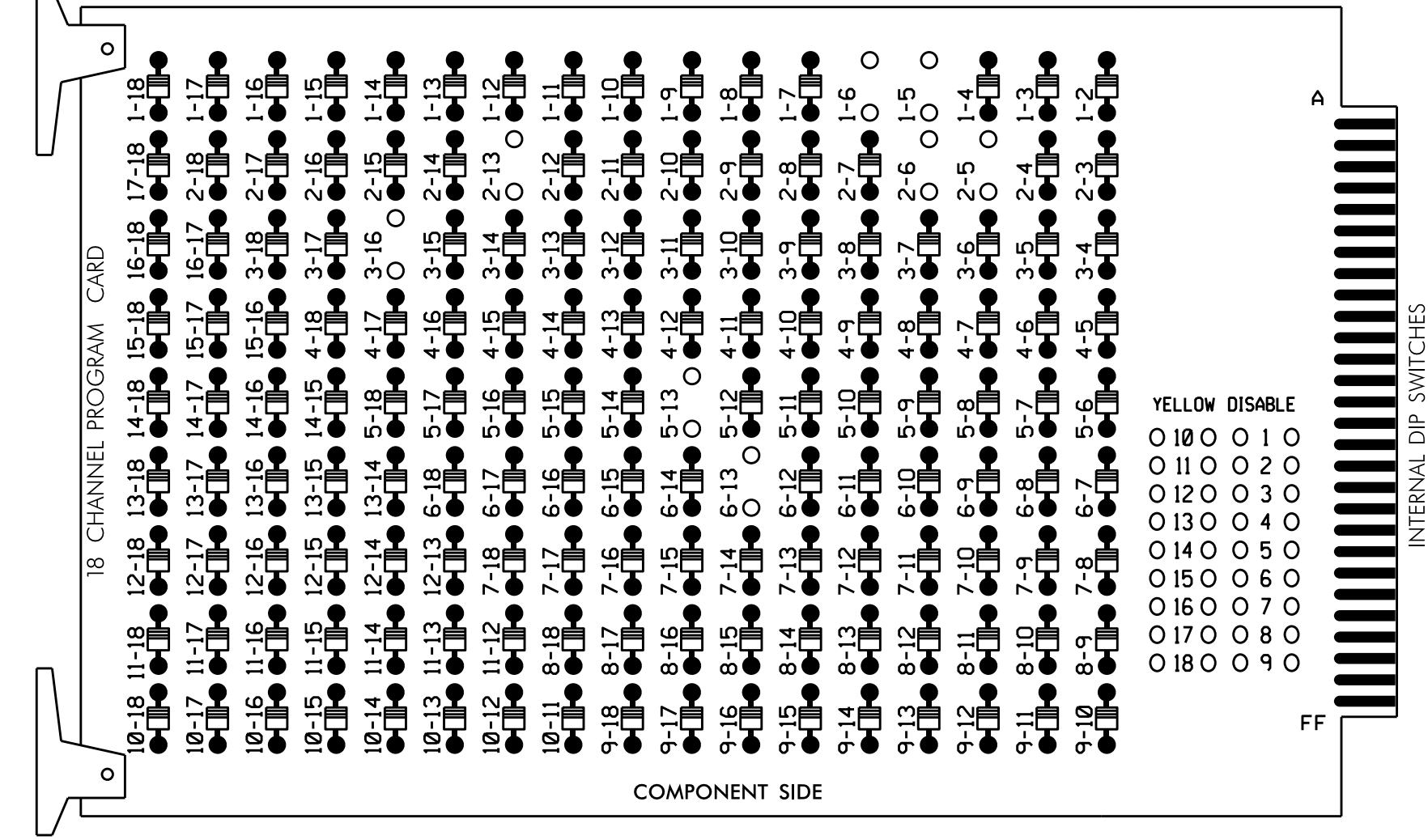


EDI MODEL 2018ECLIP-NC CONFLICT MONITOR

PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 1-5, 1-6, 2-5, 2-6, 2-13, 3-16, 5-13, and 6-13.



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.

■ = DENOTES POSITION OF SWITCH

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 | 3 PED | OLA | OLB | SPARE | OLC | OLD | SPARE |
| SIGNAL HEAD NO. | 11 | 42 | 21,22 | P21, P22 | 31 | 32 | 22 | 41 | 42 | NU | 32 | 51 | 61,62 | NU | NU | NU | NU | NU |
| RED | | | 128 | 116 | 116 | | 101 | 101 | | | | | 134 | | | | | |
| YELLOW | | | 129 | 117 | 117 | | 102 | 102 | | | | | 135 | | | | | |
| GREEN | | | 130 | 118 | 118 | | 103 | 103 | | | | | 136 | | | | | |
| RED ARROW | 125 | | | | | | | | | | | | 131 | | | | | |
| YELLOW ARROW | 126 | 126 | | | | | 102 | | | | | | 132 | 132 | | | | |
| GREEN ARROW | 127 | 127 | | | | | 118 | 103 | 103 | | | | 133 | 133 | | | | |
| Hand | | | | 113 | | | | | | | | | | | | | | 110 |
| Walking | | | | | | | | | | | | | | | | | | 112 |

NU = Not Used

EQUIPMENT INFORMATION

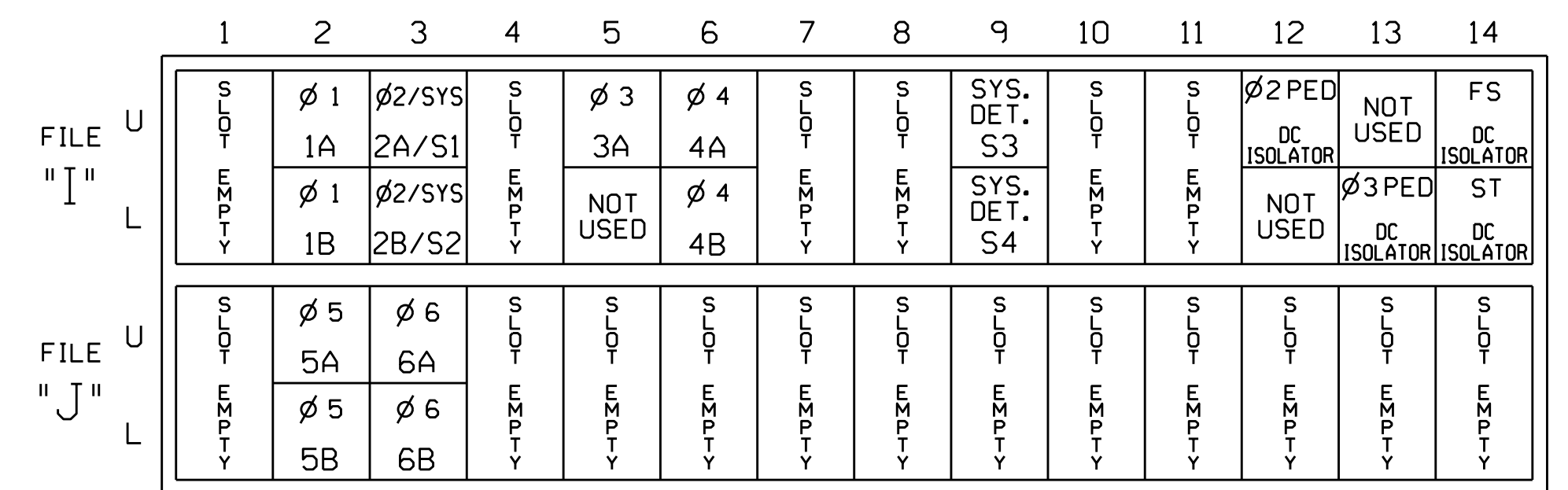
CONTROLLER.....2070E
 CABINET.....332 W/ AUX
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S1,S2,S3,S4,S5,S7,S8,S12
 PHASES USED.....1,2,2PED,3,3PED,4,5,6
 OVERLAPS.....NONE

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. Enable Simultaneous Gap-Out for all phases.
3. Program phases 2 and 6 for Variable Initial and Gap Reduction.
4. Program phases 2 and 6 for Start Up In Green.
5. Program phases 2 and 3 for 'STARTUP PED CALL'.
6. Program phases 2 and 6 for Yellow Flash.
7. The cabinet and controller are part of the Asheville Signal System.

INPUT FILE POSITION LAYOUT

(front view)



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

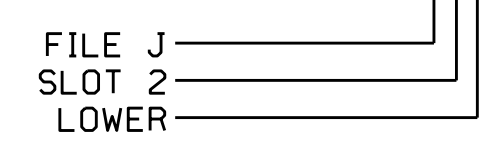
FS = FLASH SENSE
 ST = STOP TIME

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 | TB2-5,6 | I2U | 39 | 1 | 2 | 1 | Y | Y | | | 3 |
| 1B | TB2-7,8 | I2L | 43 | 5 | 12 | 1 | Y | Y | | | 15 |
| 2A/S1 | TB2-9,10 | I3U | 63 | 25 | 32 | 2/SYS | Y | Y | | | |
| 2B/S2 | TB2-11,12 | I3L | 76 | 38 | 42 | 2/SYS | Y | Y | | | |
| 3A | TB4-5,6 | I5U | 58 | 20 | 3 | 3 | Y | Y | | | |
| 4A | TB4-9,10 | I6U | 41 | 3 | 4 | 4 | Y | Y | | | 3 |
| 4B | TB4-11,12 | I6L | 45 | 7 | 14 | 4 | Y | Y | | | |
| 5A | TB3-5,6 | J2U | 40 | 2 | 6 | 5 | Y | Y | | | |
| 5B | TB3-7,8 | J2L | 44 | 6 | 16 | 5 | Y | Y | | | 15 |
| 6A | TB3-9,10 | J3U | 64 | 26 | 36 | 6 | Y | Y | | | |
| 6B | TB3-11,12 | J3L | 77 | 39 | 46 | 6 | Y | Y | | | |
| * S3 | TB6-9,10 | I9U | 60 | 22 | 11 | SYS | | | | | |
| * S4 | TB6-11,12 | I9L | 62 | 24 | 13 | SYS | | | | | |
| PED PUSH BUTTONS | | | | | | | | | | | |
| P21,P22 | TB8-4,6 | I12U | 67 | 29 | PED 2 | 2 PED | | | | | |
| P31,P32 | TB8-8,9 | I13L | 70 | 32 | PED 8 | 3 PED | | | | | |

NOTE:
 INSTALL DC ISOLATORS IN INPUT FILE SLOTS 112 AND 113.

INPUT FILE POSITION LEGEND: J2L



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: 13-0512
 DESIGNED: February 2016
 SEALED: 8/17/2016
 REVISED: N/A

Electrical Detail - Sheet 1 of 2

Electrical and Programming Details for: **US 25 (Hendersonville Road) at Lambeth Dr/Forest Ridge Shopping Center**

Division 13 Buncombe County Asheville

PLAN DATE: July 2016 REVIEWED BY: BAS

PREPARED BY: S. Armstrong REVIEWED BY:

REVISIONS: _____ INIT. DATE

750 N. Greenfield Pkwy, Garner, NC 27529

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER KEITH M. MINES

DocSigned by: Keith M. Mines 9/7/2016

SIG. INVENTORY NO. 13-0512

2018-08-20 16:07:41 S:\IT\ASIS\13-0512\Sig\13-0512_Sig_elec_xxx.dgn sarminstron