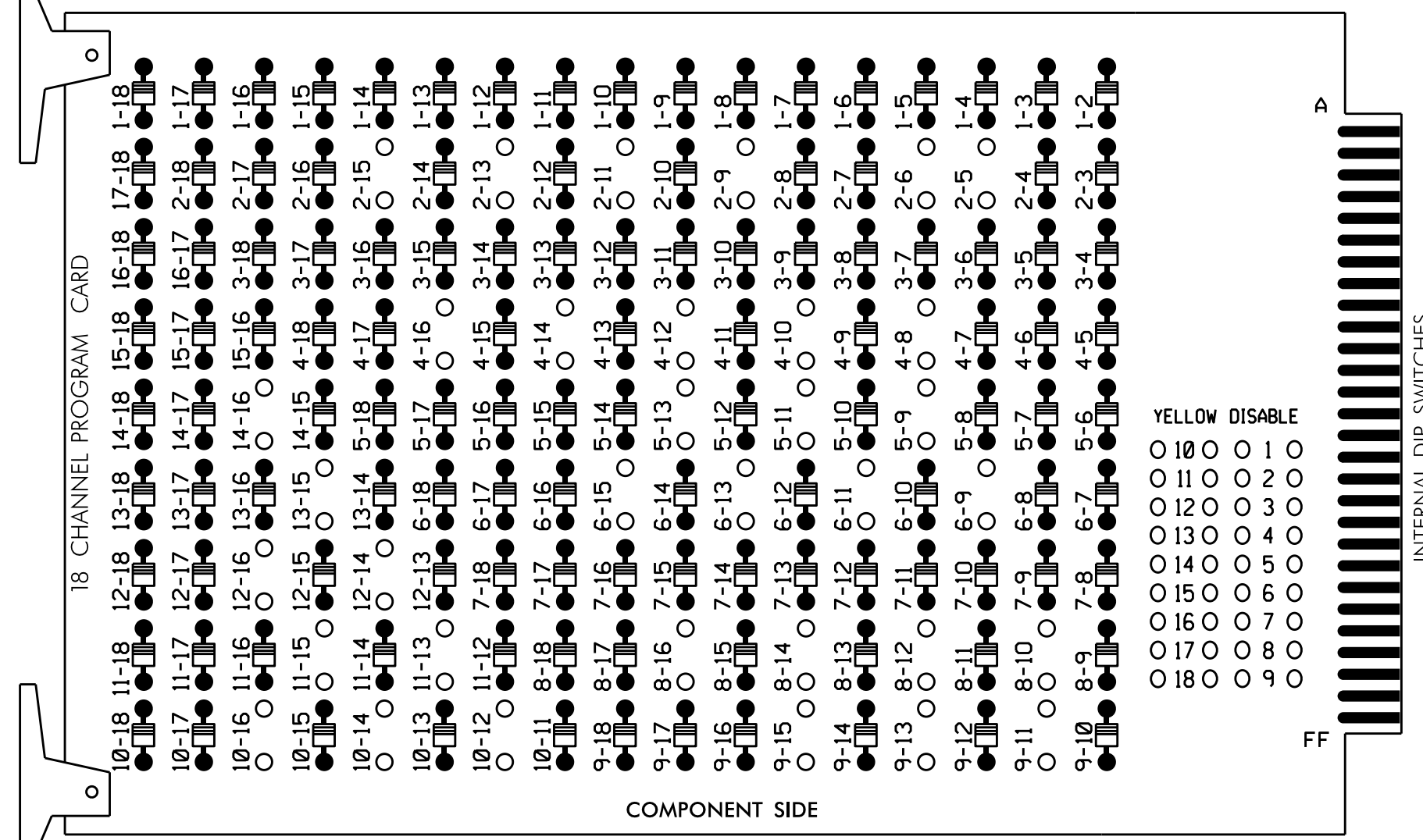


**EDI MODEL 2018ECLIP-NC CONFLICT MONITOR**  
**PROGRAMMING DETAIL**

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 2-5, 2-6, 2-9, 2-11, 2-13, 2-15, 4-8, 4-10, 4-12, 4-14, 4-16, 5-9, 5-11, 5-13, 6-9, 6-11, 6-13, 6-15, 8-10, 8-12, 8-14, 8-16, 9-11, 9-13, 9-15, 10-12, 10-14, 10-16, 11-13, 11-15, 12-14, 12-16, 13-15 and 14-16.



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.

■ = DENOTES POSITION OF SWITCH

**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 phases 4 and 8 for Dual Entry.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for Start Up In Green.
- Program phases 2, 4, 6 and 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 High Point 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.....S2,S3,S5,S6,S7,S8,S9,S11,S12,  
 AUX S1,AUX S2,AUX S4,AUX S5  
 PHASES USED.....2,4,5,6,8  
 OVERLAP "A".....2  
 OVERLAP "B".....8  
 OVERLAP "C".....5+6  
 OVERLAP "D".....4

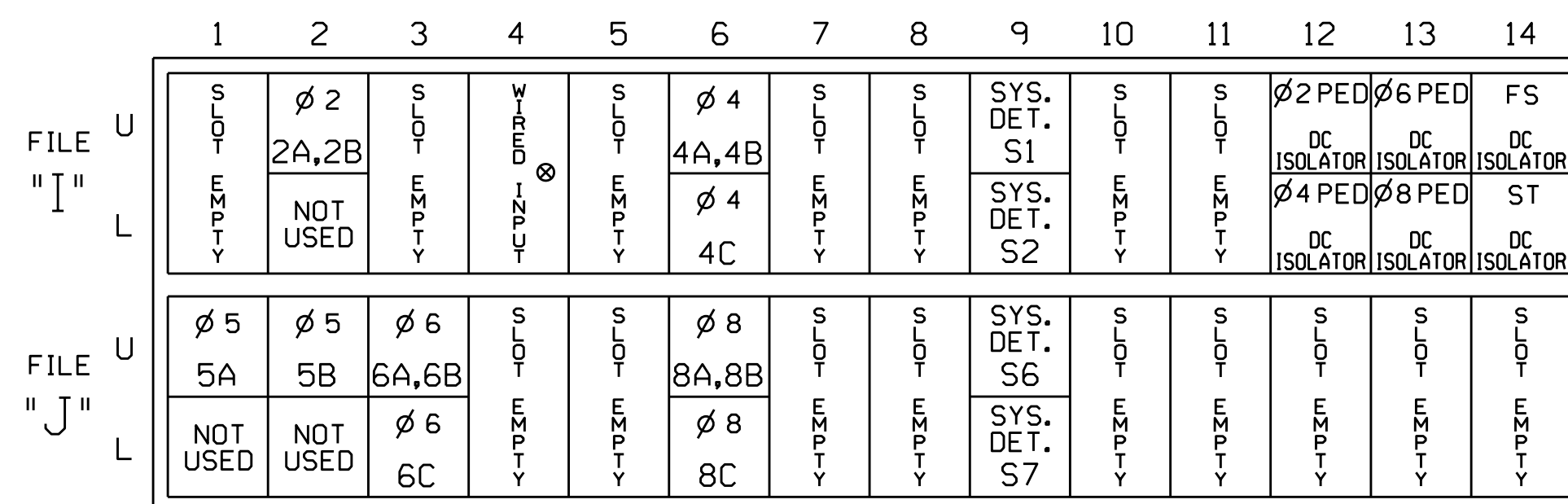
**SIGNAL HEAD HOOK-UP CHART**

| 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.       | NU | 21,22 | P21, P22 | NU  | 42,43 | P41, P42 | 43  | 51 | 62,63 | P61, P62 | NU  | 82,83 | P81, P82 | 61     | 81     | NU     | 51     | 41     | NU   |  |
| RED                   |    | 128   |          |     | 101   |          | *   |    | 134   |          | 107 |       |          |        |        |        |        |        |      |  |
| YELLOW                |    | 129   |          |     | 102   |          |     |    | 135   |          | 108 |       |          |        |        |        |        |        |      |  |
| GREEN                 |    | 130   |          |     | 103   |          |     |    | 136   |          | 109 |       |          |        |        |        |        |        |      |  |
| RED ARROW             |    |       |          |     |       |          |     |    |       |          |     |       |          |        |        | A121   | A124   | A114   | A101 |  |
| YELLOW ARROW          |    |       |          |     |       |          |     |    | 132   |          |     |       |          |        |        | A122   | A125   | A115   | A102 |  |
| FLASHING YELLOW ARROW |    |       |          |     |       |          |     |    |       |          |     |       |          |        |        | A123   | A126   | A116   | A103 |  |
| GREEN ARROW           |    |       |          |     |       |          |     |    | 133   | 133      |     |       |          |        |        |        |        |        |      |  |
| Hand icon             |    |       |          | 113 |       |          | 104 |    |       |          | 119 |       | 110      |        |        |        |        |        |      |  |
| Person icon           |    |       |          |     |       |          |     |    |       |          |     |       |          |        |        |        |        |        |      |  |

NU = Not Used  
 \* Denotes install load resistor. See load resistor installation detail this sheet.  
 ★ See pictorial of head wiring in detail below.

**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**

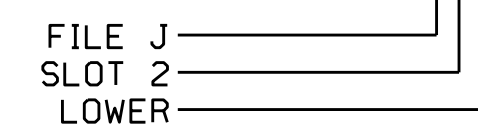
| LOOP NO.         | LOOP TERMINAL | INPUT FILE POS. | PIN NO. | INPUT ASSIGNMENT NO. | DETECTOR NO. | NEMA PHASE | CALL | EXTEND | FULL TIME DELAY | STRETCH TIME | DELAY TIME |
|------------------|---------------|-----------------|---------|----------------------|--------------|------------|------|--------|-----------------|--------------|------------|
| 2A,2B            | TB2-5,6       | I2U             | 39      | 1                    | 2            | 2          | Y    | Y      |                 |              |            |
| 4A,4B            | TB4-9,10      | I6U             | 41      | 3                    | 4            | 4          | Y    | Y      |                 |              |            |
| 4C               | TB4-11,12     | I6L             | 45      | 7                    | 14           | 4          | Y    | Y      |                 |              | 3          |
| 5A               | TB3-1,2       | J1U             | 55      | 17                   | 5            | 5          | Y    | Y      |                 |              | 15         |
| 5B               | TB3-5,6       | J2U             | 40      | 2                    | 6            | 5          | Y    | Y      |                 |              | 15         |
| 6A,6B            | TB3-9,10      | J3U             | 64      | 26                   | 36           | 6          | Y    | Y      |                 |              |            |
| 6C               | TB3-11,12     | J3L             | 77      | 39                   | 46           | 6          | Y    | Y      |                 |              |            |
| 8A,8B            | TB5-9,10      | J6U             | 42      | 4                    | 8            | 8          | Y    | Y      |                 |              |            |
| 8C               | TB5-11,12     | J6L             | 46      | 8                    | 18           | 8          | Y    | Y      |                 |              | 3          |
| * S1             | TB6-9,10      | I9U             | 60      | 22                   | 11           | SYS        |      |        |                 |              |            |
| * S2             | TB6-11,12     | I9L             | 62      | 24                   | 13           | SYS        |      |        |                 |              |            |
| * S6             | TB7-9,10      | J9U             | 59      | 21                   | 15           | SYS        |      |        |                 |              |            |
| * S7             | TB7-11,12     | J9L             | 61      | 23                   | 17           | SYS        |      |        |                 |              |            |
| PED PUSH BUTTONS |               |                 |         |                      |              |            |      |        |                 |              |            |
| P21,P22          | TB8-4,6       | I12U            | 67      | 29                   | PED 2        | 2 PED      |      |        |                 |              |            |
| P41,P42          | TB8-5,6       | I12L            | 69      | 31                   | PED 4        | 4 PED      |      |        |                 |              |            |
| P61,P62          | TB8-7,9       | I13U            | 68      | 30                   | PED 6        | 6 PED      |      |        |                 |              |            |
| P81,P82          | TB8-8,9       | I13L            | 70      | 32                   | PED 8        | 8 PED      |      |        |                 |              |            |

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

† Add jumper from J1-W to I4-W, on rear of input file.

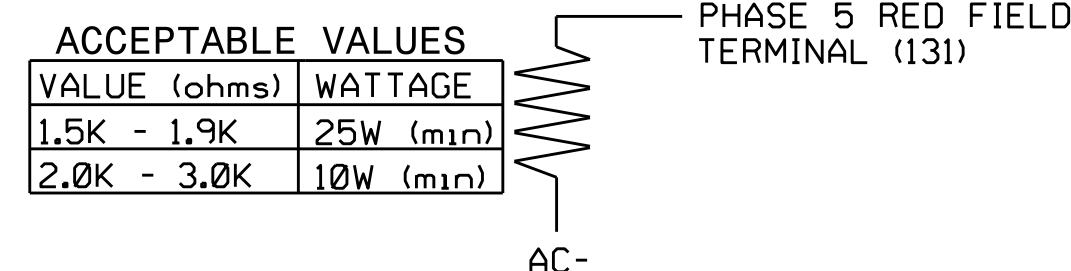
\* System detector only. Remove the vehicle phase assigned to this detector in the default programming.

INPUT FILE POSITION LEGEND: J2L



**LOAD RESISTOR INSTALLATION DETAIL**

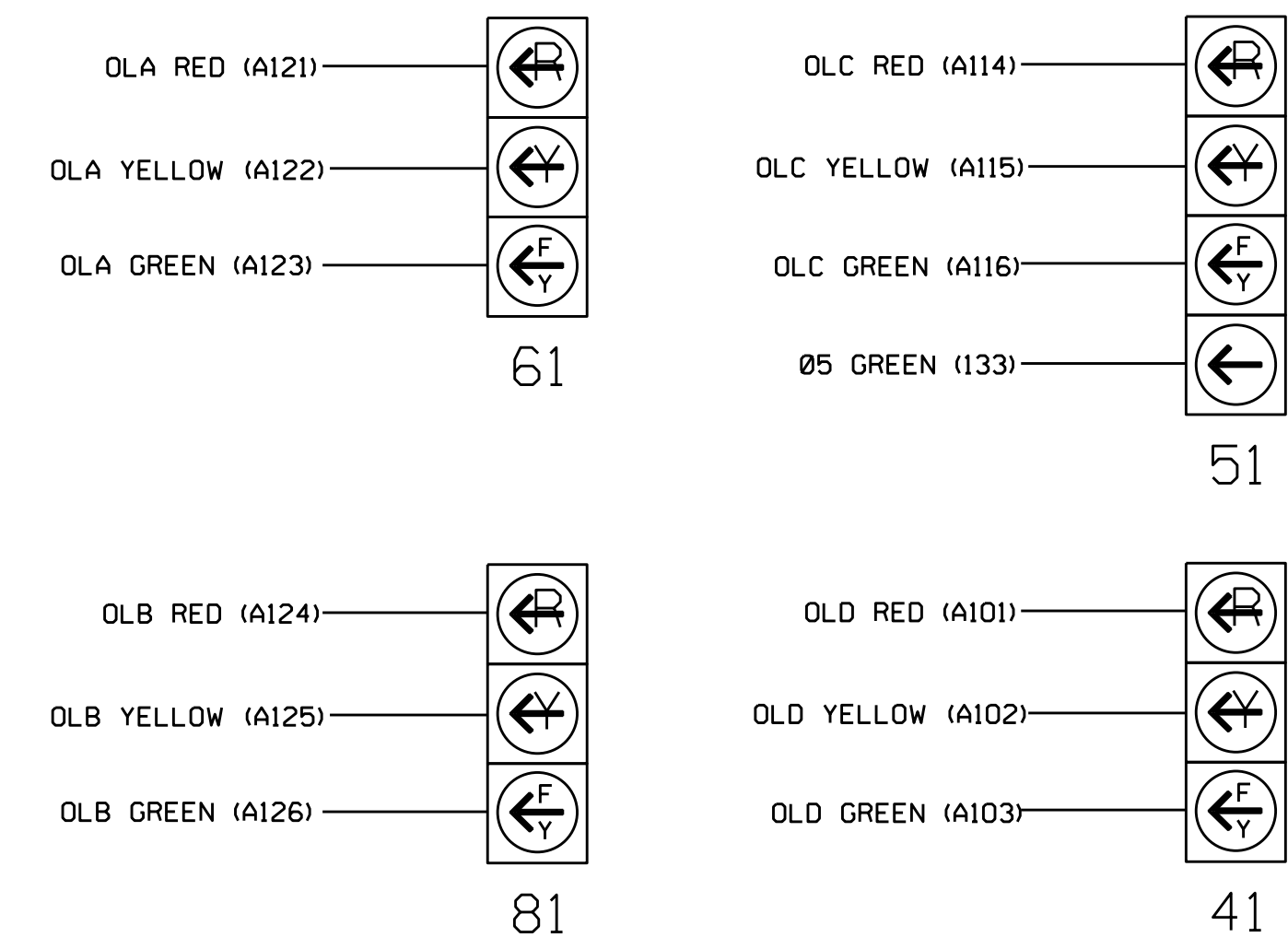
(install resistor as shown below)



NOTE: The purpose of this resistor is to load the channel red monitor input in order for the Signal Sequence Monitor to use the full signal sequence monitoring capability on channels that do not use the red display in the field.

**FYA SIGNAL WIRING DETAIL**

(wire signal heads as shown)



NOTE

- The sequence display for signal head 51 requires special logic programming. See sheet 2 for programming instructions.

**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.

Electrical Detail - Sheet 1 of 2

Electrical and Programming Details For: SR 1113 (E. Kivett Dr.) at Centennial Street

Division 7 Guilford County High Point

PLAN DATE: January 2015 REVIEWED BY: T. Joyce

PREPARED BY: C. Strickland REVIEWED BY:

REVISIONS INIT. DATE

DocuSigned by: George C. Brown 4/29/2015

750 N. Greenfield Pkwy, Garner, NC 27529

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 07-0783  
 DESIGNED: January 2015  
 SEALED: 4/21/2015  
 REVISED: N/A

SEAL PROFESSIONAL ENGINEER GEORGE C. BROWN

SIG. INVENTORY NO. 07-0783