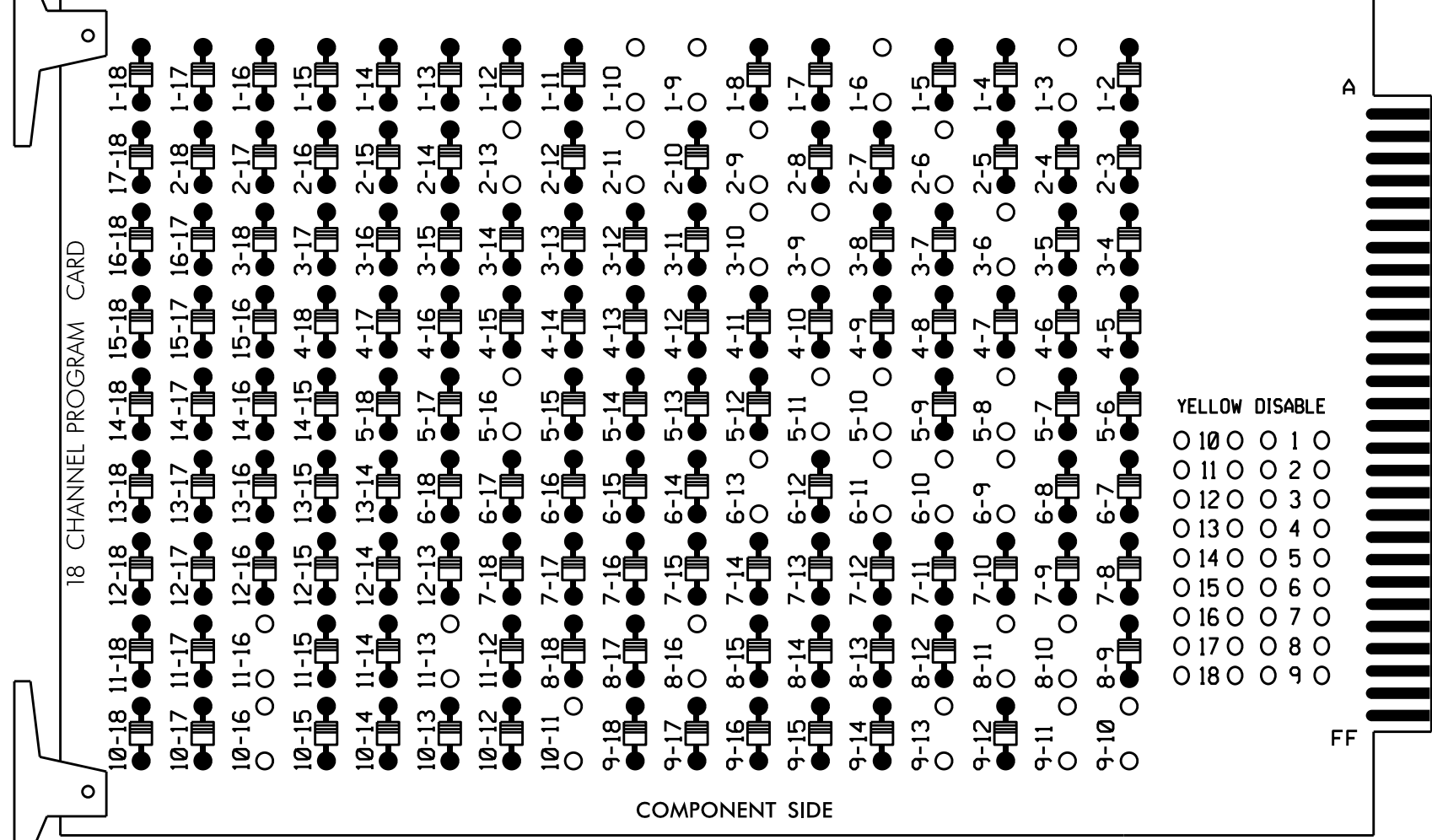


EDI MODEL 2018ECL-NC CONFLICT MONITOR

PROGRAMMING DETAIL
(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 1-3, 1-6, 1-9, 1-10, 2-6, 2-9, 2-11, 2-13, 3-6, 3-9, 3-10, 5-8, 5-10, 5-11, 5-16, 6-9, 6-10, 6-11, 6-13, 8-10, 8-11, 8-16, 9-10, 9-11, 9-13, 10-11, 10-16, 11-13 and 11-16.



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.
 - Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.

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 controller to start up in phases 2 and 6 green.
- Enable simultaneous gap-out feature for all phases.
- Program phase 4 for dual entry.
- Program phases 2 and 6 for volume density operation.
- The cabinet and controller are part of the Raleigh Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070LX
 CABINET.....332 W/ AUX
 SOFTWARE.....SE-PAC2070
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S1,S2,S3,S4,S7,S8,S11,S12,AUX S1
 AUX S2,AUX S4
 PHASES USED.....1,2,2 PED,**4,6,8 PED
 OVERLAP "A".....*
 OVERLAP "B".....*
 OVERLAP "C".....*
 OVERLAP "D".....NOT USED
 OVERLAP "G".....*
 OVERLAP "H".....*

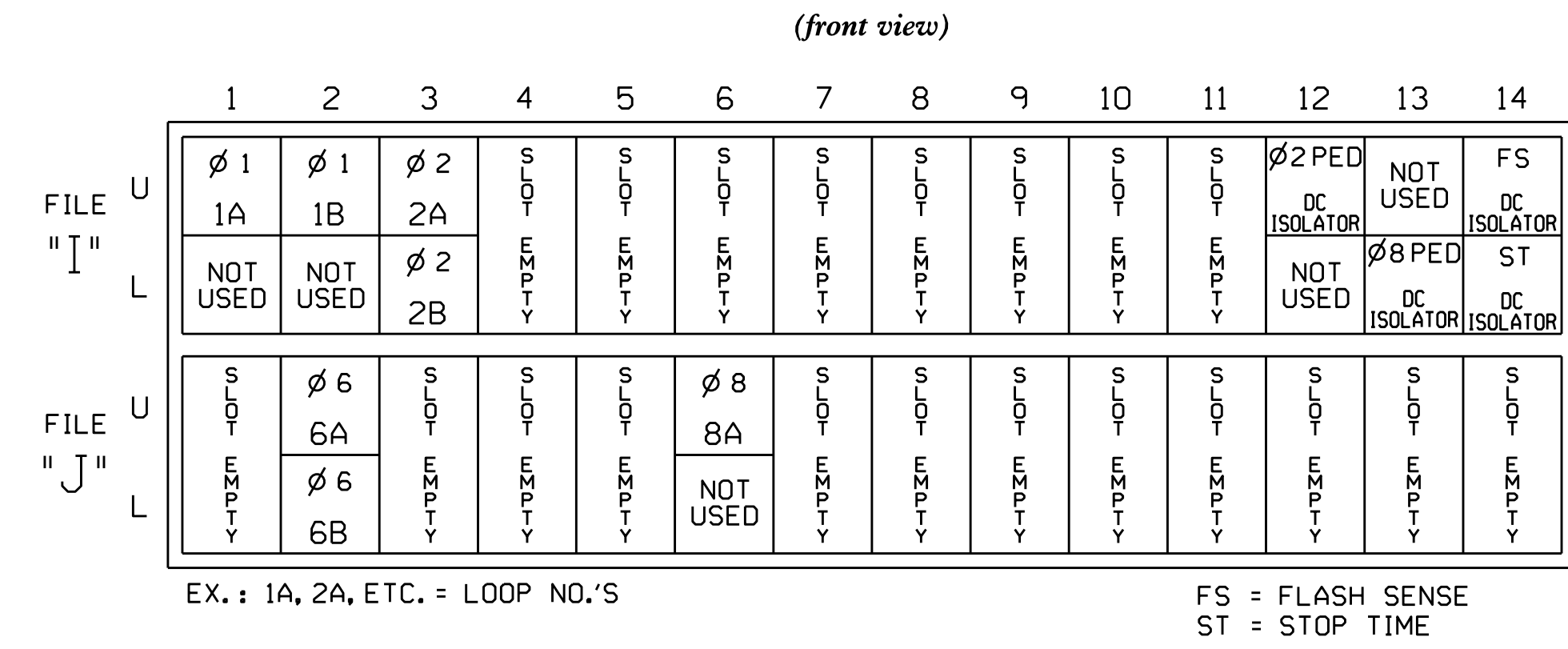
*See sheet 2 for Overlap Programming.
 **Phase used for timing purposes only.

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 | OLG | 4 | 4 PED | OLH | 6 | 6 PED | 7 | 8 | 8 PED | OLA | OLB | SPARE | OLC | OLD | SPARE | |
| SIGNAL HEAD NO. | 11 | 21,22 | P21, P22 | 82 | NC | NU | 23 | 61,62 | NU | NU | 81,83 | P81, P82 | 11 | 82 | NU | 23 | NU | NU | |
| RED | | 128 | | | | | | 134 | | | 107 | | | | A124 | | A114 | | |
| YELLOW | * | 129 | | * | | | | 135 | | | | | | | | | | | |
| GREEN | | 130 | | | | | | 136 | | | | | | | | | | | |
| RED ARROW | | | | | | | | | | | | | | | A121 | | | | |
| YELLOW ARROW | | | | | | | | | | | 108 | | | A122 | A125 | | A115 | | |
| FLASHING YELLOW ARROW | | | | | | | | | | | | | | A123 | A126 | | A116 | | |
| GREEN ARROW | 127 | | | 118 | | | 133 | | | 109 | | | | | | | | | |
| Hand | | | | 113 | | | | | | | | | 110 | | | | | | |
| Person | | | | | | | | | | | | | | 112 | | | | | |

NC = No Connection
 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



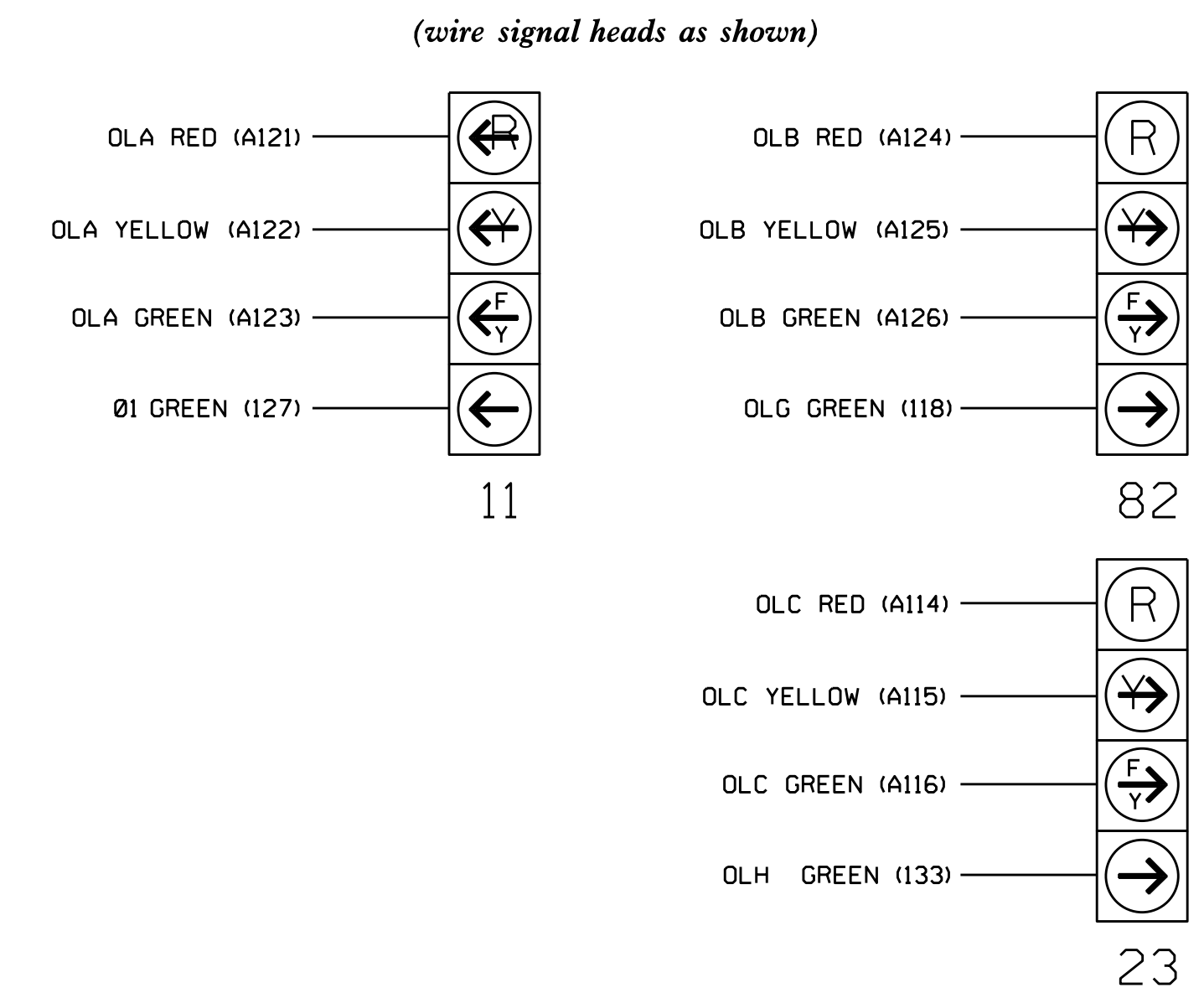
EX.: 1A, 2A, ETC. = LOOP NO.'S
 FS = FLASH SENSE
 ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

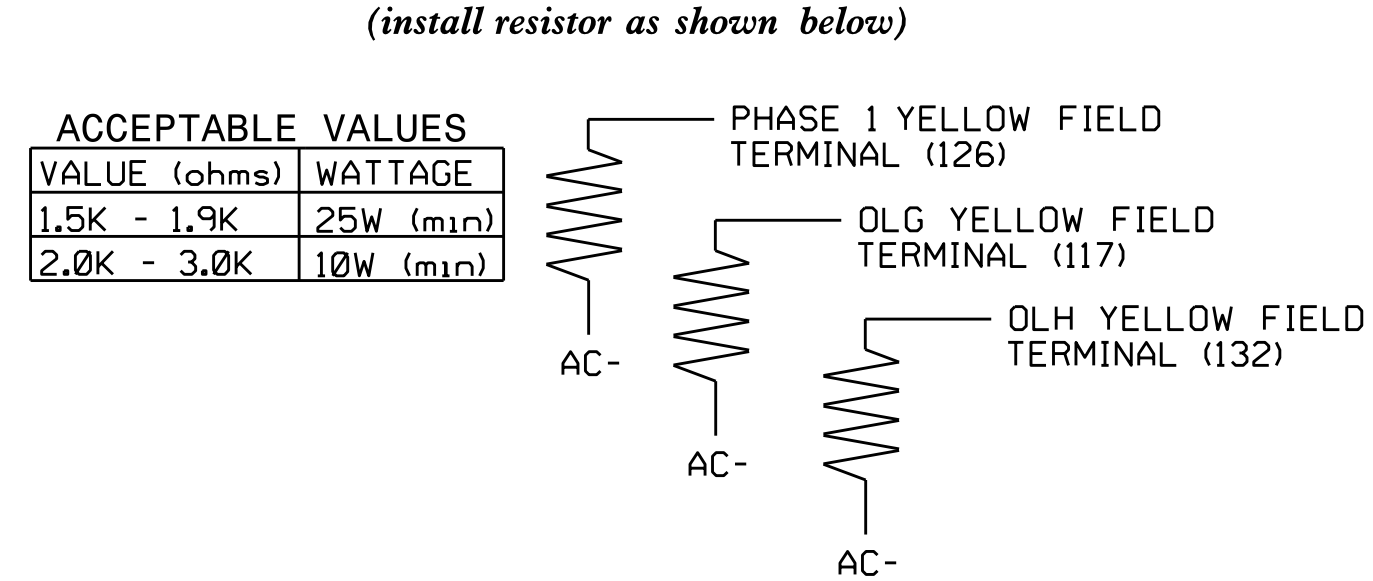
| LOOP NO. | LOOP TERMINAL | INPUT FILE POS. | PIN NO. | DETECTOR NO. | NEMA PHASE | DELAY TIME | EXTEND (STRETCH) TIME |
|------------------|---------------|-----------------|---------|--------------|------------|------------|-----------------------|
| 1A | TB2-1,2 | I1U | 56 | 1 | 1 | 5 | |
| 1B | TB2-5,6 | I2U | 39 | 3 | 1 | 15 | |
| 2A | TB2-9,10 | I3U | 63 | 5 | 2 | | |
| 2B | TB2-11,12 | I3L | 76 | 6 | 2 | | |
| 6A | TB3-5,6 | J2U | 40 | 21 | 6 | | |
| 6B | TB3-7,8 | J2L | 44 | 22 | 6 | | |
| 8A | TB5-9,10 | J6U | 42 | 31 | 8 | | |
| PED PUSH BUTTONS | | | | | | | |
| P21,P22 | TB8-4,6 | I12U | 67 | PED 2 | 2 PED | | |
| P81,P82 | TB8-8,9 | I13L | 70 | PED 8 | 8 PED | | |

NOTE: INSTALL DC ISOLATORS IN INPUT FILE SLOTS 112 AND 113.
 INPUT FILE POSITION LEGEND: J2L
 FILE J
 SLOT 2
 LOWER

FYA SIGNAL WIRING DETAIL



LOAD RESISTOR INSTALLATION DETAIL



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: 05-2387T2
 DESIGNED: May 2022
 SEALED: 5-26-22
 REVISED: N/A

Electrical Detail - Sheet 1 of 3 - Temp 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

SR 2006 (Durant Road) at Capital Hills Drive

Division 5 Wake County Raleigh

PLAN DATE: May 2022 REVIEWED BY:

PREPARED BY: James Peterson REVIEWED BY:

REVISIONS INIT. DATE

DocuSigned by: Ryan W. Hough 06/01/2022

750 N. Greenfield Pkwy, Garner, NC 27529

SIG. INVENTORY NO. 05-2387T2

05-2387T2-002 11x50
 05/23/22 7:26 am etl.ec.wmk.dgm
 J Peterson