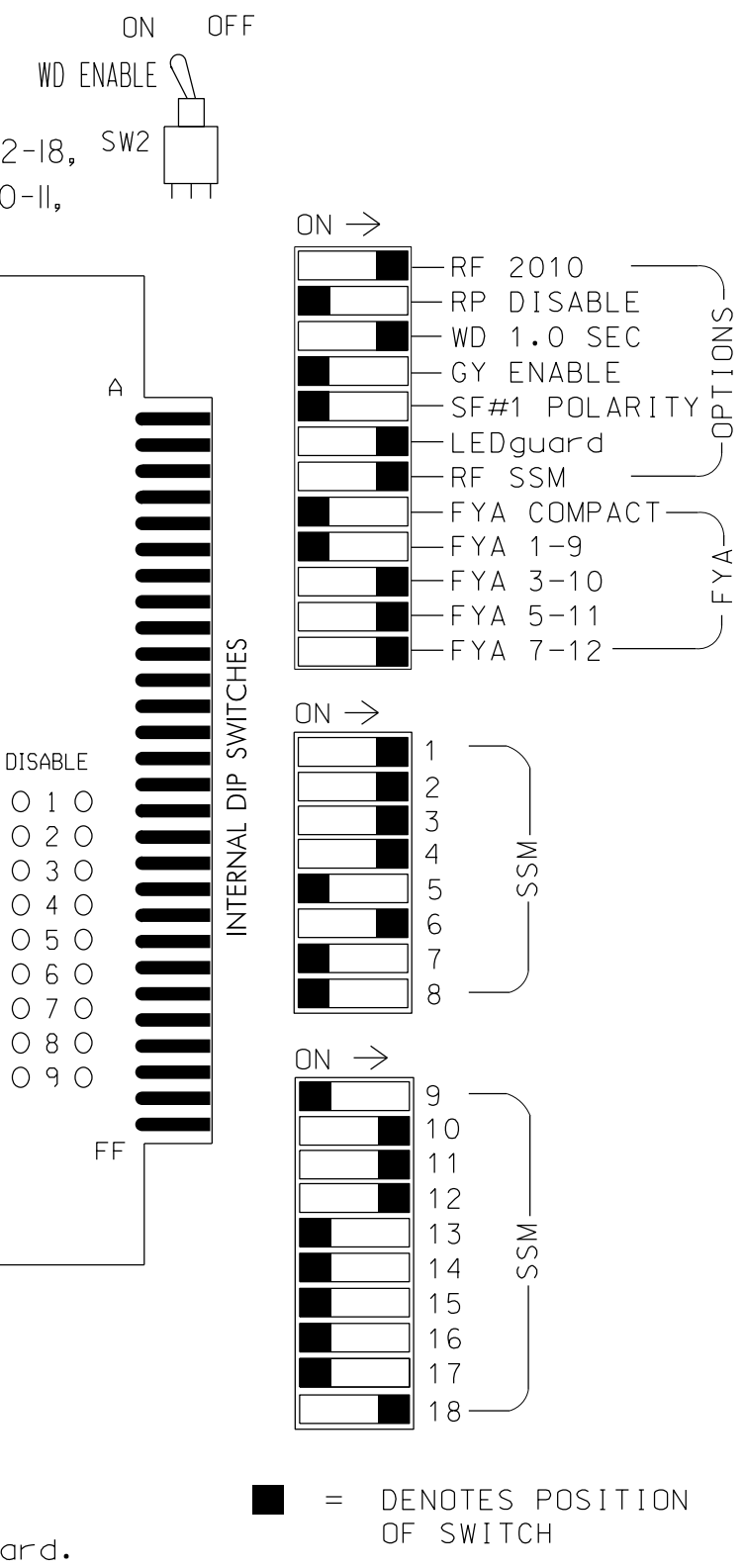
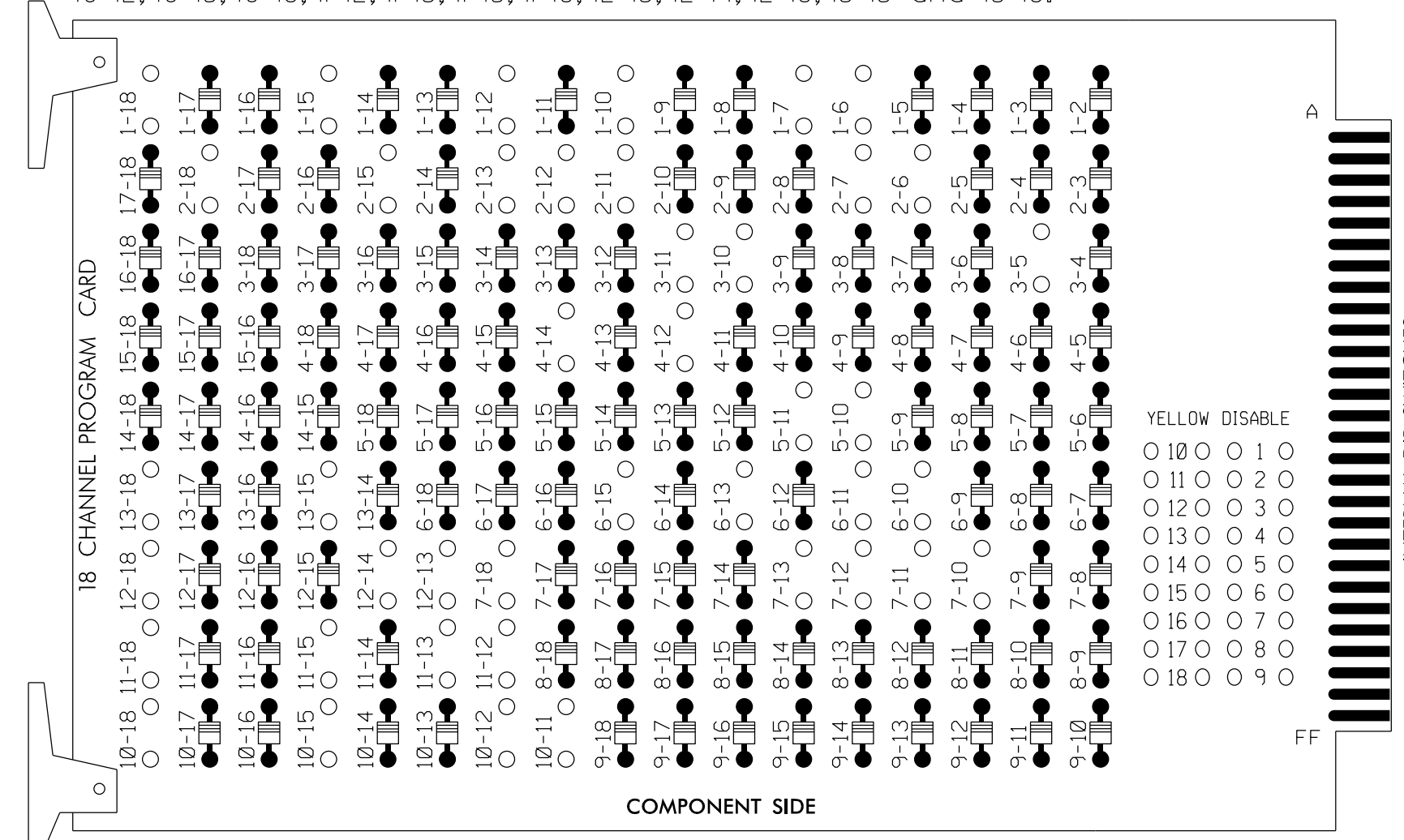


18 CHANNEL IP CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 1-6, 1-7, 1-10, 1-12, 1-15, 1-18, 2-6, 2-7, 2-11, 2-12, 2-13, 2-15, 2-18, 3-5, 3-10, 3-11, 4-12, 4-14, 5-10, 5-11, 6-10, 6-11, 6-13, 6-15, 7-10, 7-11, 7-12, 7-13, 7-18, 10-11, 10-12, 10-15, 10-18, 11-12, 11-13, 11-15, 11-18, 12-13, 12-14, 12-18, 13-15 and 13-18.



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 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 phase 2 Green and 6 Green.
- The cabinet and controller are part of the High Point Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070LX
 CABINET.....332 W/ AUX
 SOFTWARE.....ECONOLITE ASC/3-2070
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE S10,AUX S2,AUX S4,AUX S5,AUX S6
 LOAD SWITCHES USED.....S1,S2,S3,S4,S5,S6,S7,S8,S9,
 PHASES USED.....1,2,2 PED,3,4,4 PED,5,6,6 PED
 OVERLAP "A".....NOT USED
 OVERLAP "B".....*
 OVERLAP "C".....*
 OVERLAP "D".....*
 OVERLAP "F".....*
 OVERLAP "G".....*
 OVERLAP "H".....*

* See overlap programming detail on sheet 2

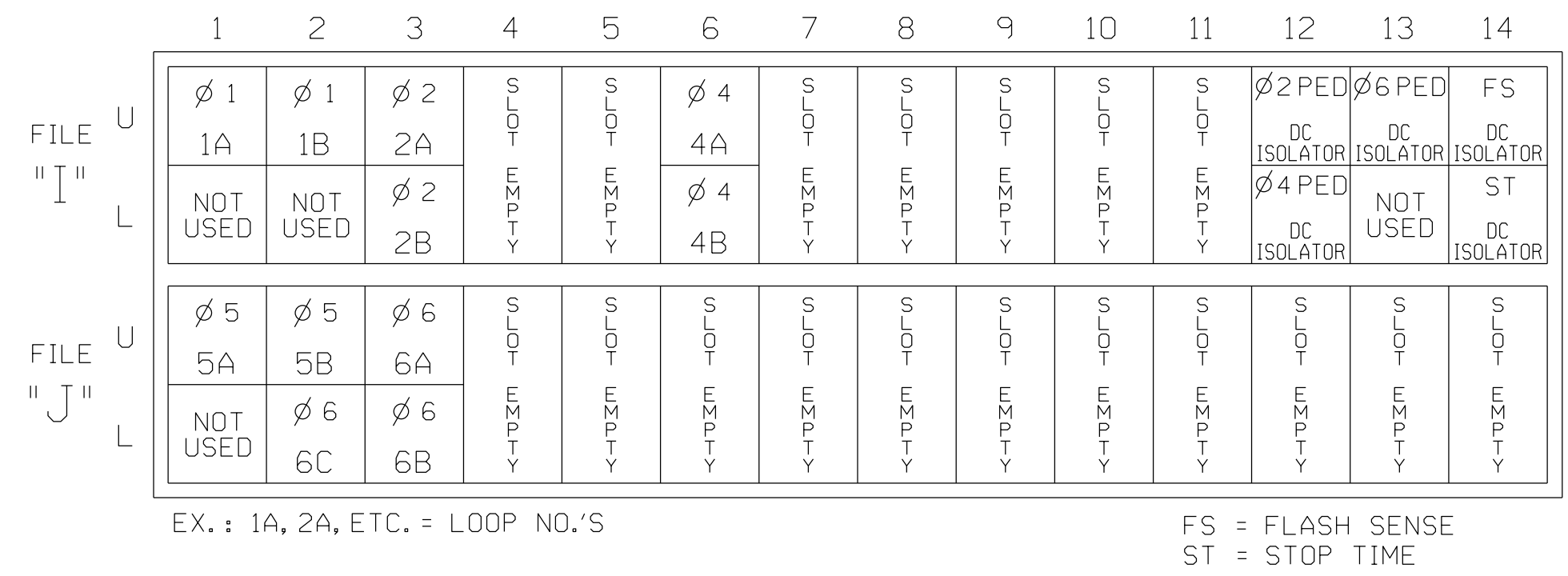
SIGNAL HEAD HOOK-UP CHART

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	DLG	6	6 PED	OLH	8	8 PED	OLA	OLB	SPARE	OLC	OLD	OLF		
SIGNAL HEAD NO.	11,12	21,22	P21, P22	31	32,34	41	42	43,45	P41, P42	23	61,62, 63,64	P61, P62	44	NU	NU	NU	33	23	44	51
RED	128			116	116		101	101				134				A124		A114	A101	A104
YELLOW	129			117	117		102	102		*	135		*							
GREEN	130			118	118		103	103			136									
RED ARROW	125						101													
YELLOW ARROW	126						102									A125		A115	A102	A105
FLASHING YELLOW ARROW																A126		A116	A103	
GREEN ARROW	127			118	103	103			133		124									A106
Hand icon				113					104		119									
Person icon				115					106		121									

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)

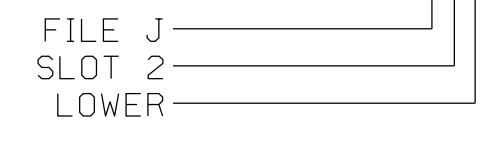


INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	ADDED INITIAL	DETECTOR TYPE
1A	TB2-1,2	I1U	56	1	1	YES				N
1B	TB2-5,6	I2U	39	2	1	YES				N
2A	TB2-9,10	I3U	63	32	2	YES			X	N
2B	TB2-11,12	I3L	76	42	2	YES			X	N
4A	TB4-9,10	I6U	41	4	4	YES		3.0		N
4B	TB4-11,12	I6L	45	14	4	YES				N
5A	TB3-1,2	J1U	55	5	5	YES				N
5B	TB3-5,6	J2U	40	6	5	YES		15.0		N
6C	TB3-7,8	J2L	44	16	6	YES			X	N
6A	TB3-9,10	J3U	64	36	6	YES			X	N
6B	TB3-11,12	J3L	77	46	6	YES			X	N

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

INPUT FILE POSITION LEGEND: J2L

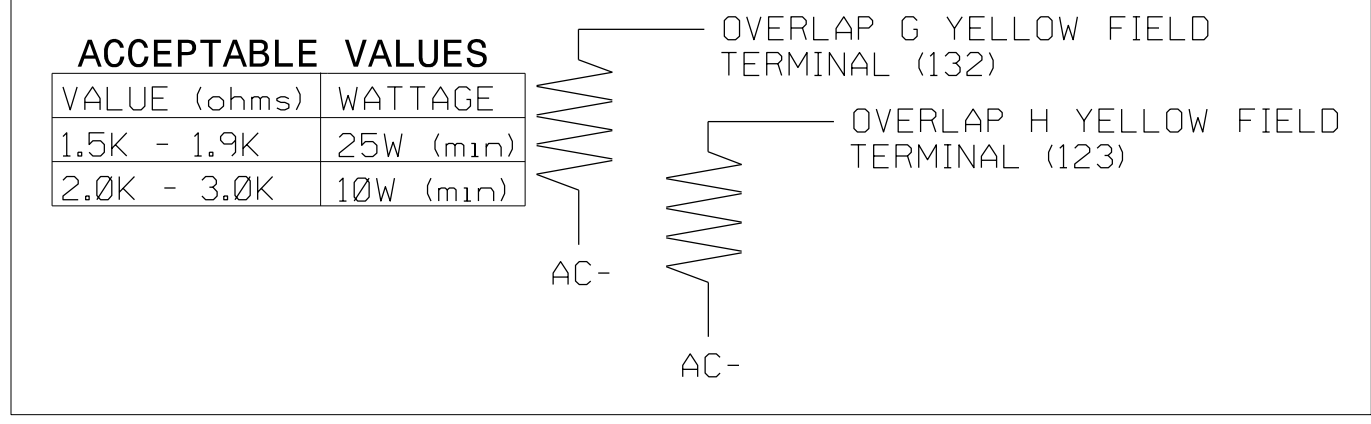


SPECIAL DETECTOR NOTE

Install a non-intrusive detection system for vehicle detection zones 1C and 3A. Perform installation according to manufacturer's directions and NCDOT engineer-approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans.

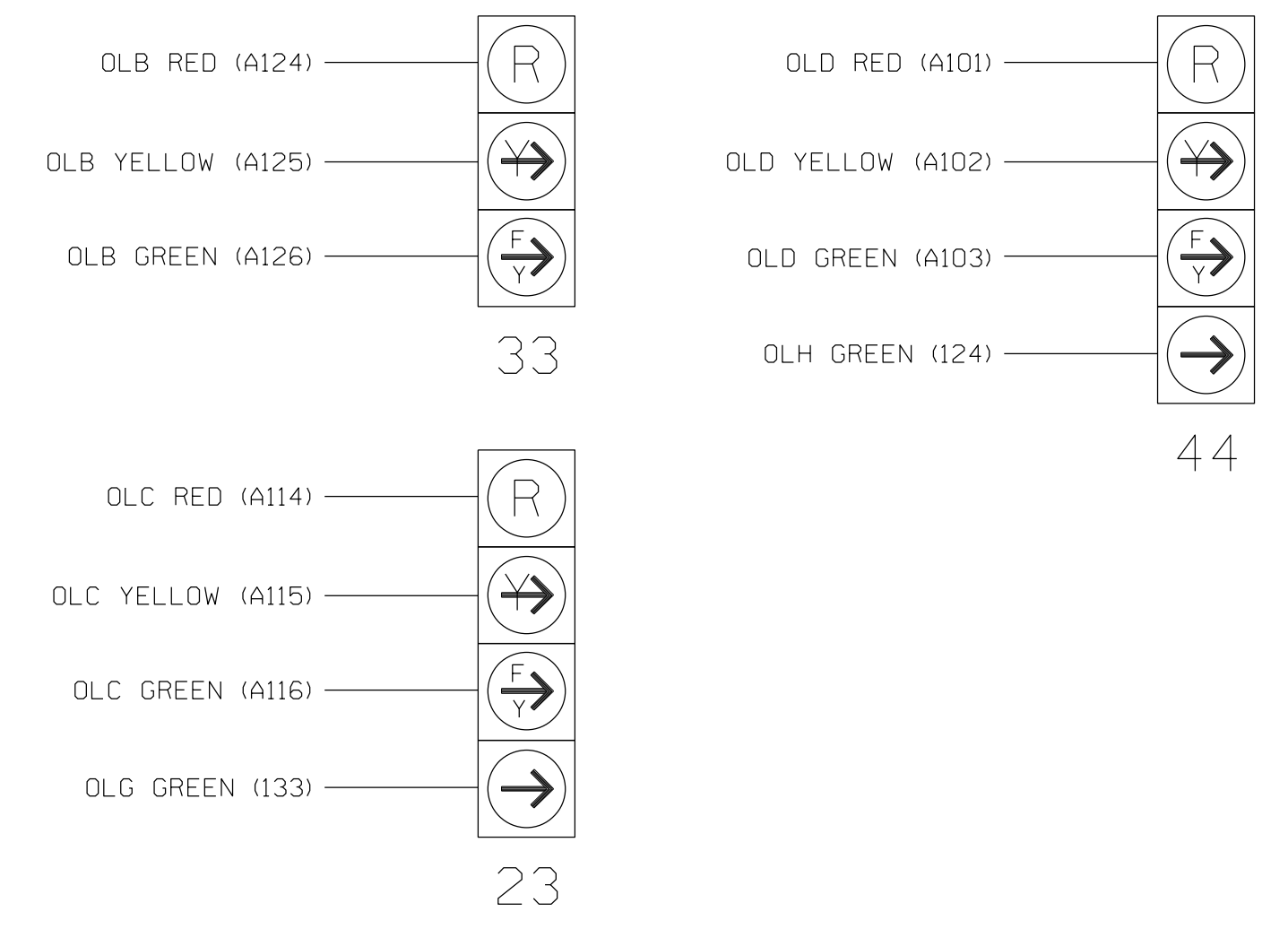
LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown below)



FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 07-1118
 DESIGNED: January 2025
 SEALED: 03-14-2025
 REVISED: N/A

Electrical Detail - Sheet 1 of 3

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

Prepared for the Offices of:

 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 Mobility and Safety Division
 750 N. Greenfield Pkwy, Garner, NC 27529

SR 1850 (Sandy Ridge Road) at SR 1849 (Norcross Road)/ Piedmont Triad Farmers Market
 Division 7 Guilford County High Point

PLAN DATE: January 2025 REVIEWED BY: AM Encarnacion
 PREPARED BY: JT Stiff REVIEWED BY: PL Alexander

REVISIONS: INIT. DATE

Anthony Encarnacion
 3/14/2025
 SIGNATURE DATE

SIG. INVENTORY NO. 07-1118

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