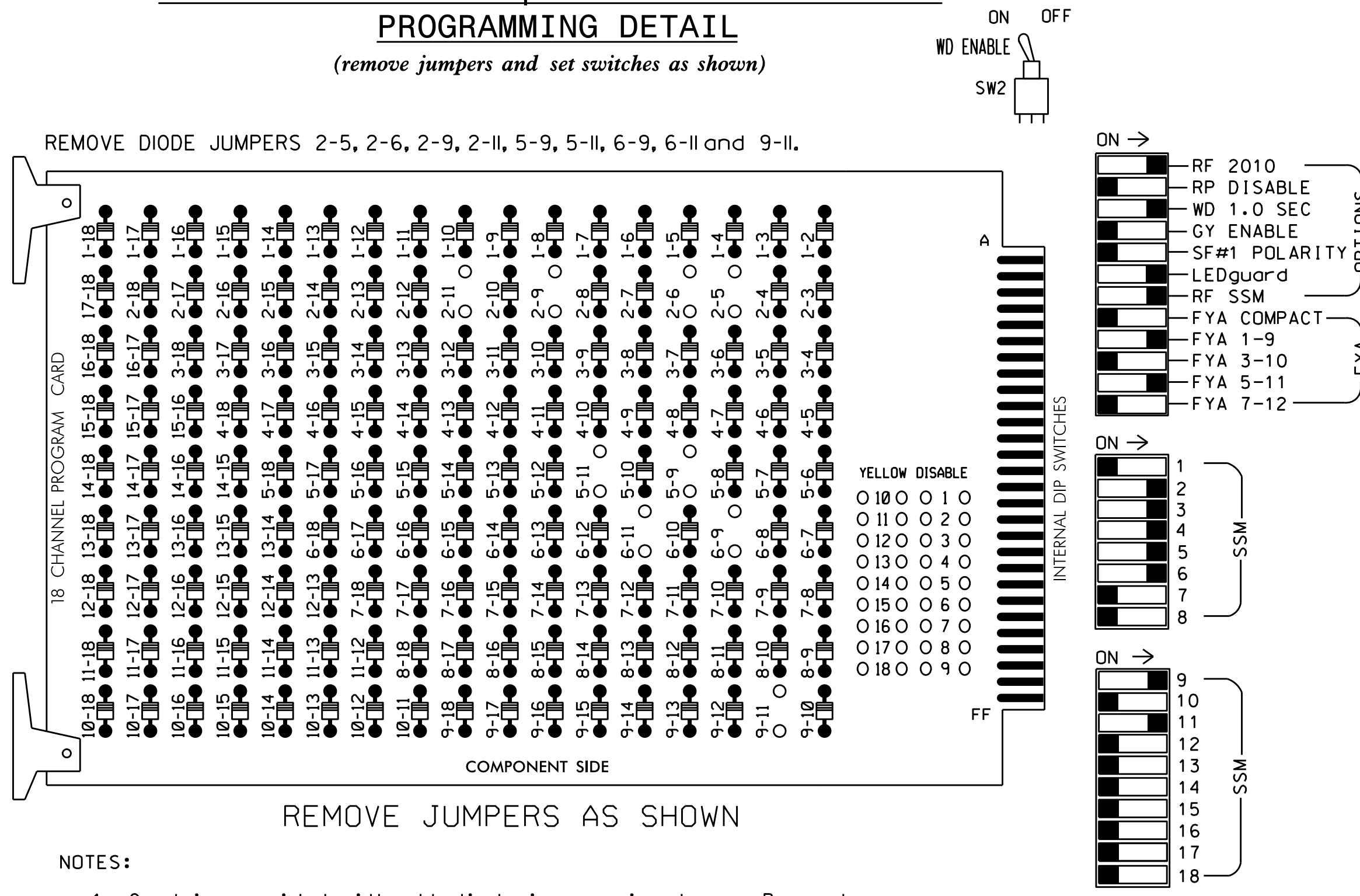


EDI MODEL 2018EClip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



- 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.
 - Enable Simultaneous Gap-Out for all phases.
 - Program phases 2 and 6 for Variable Initial and Gap Reduction.
 - Program phases 2 and 6 for Start Up In Green.
 - Program phases 2 and 6 for Yellow Flash, and overlap 1 as Wag Overlaps.
 - The cabinet and controller are part of the Asheville Signal System.

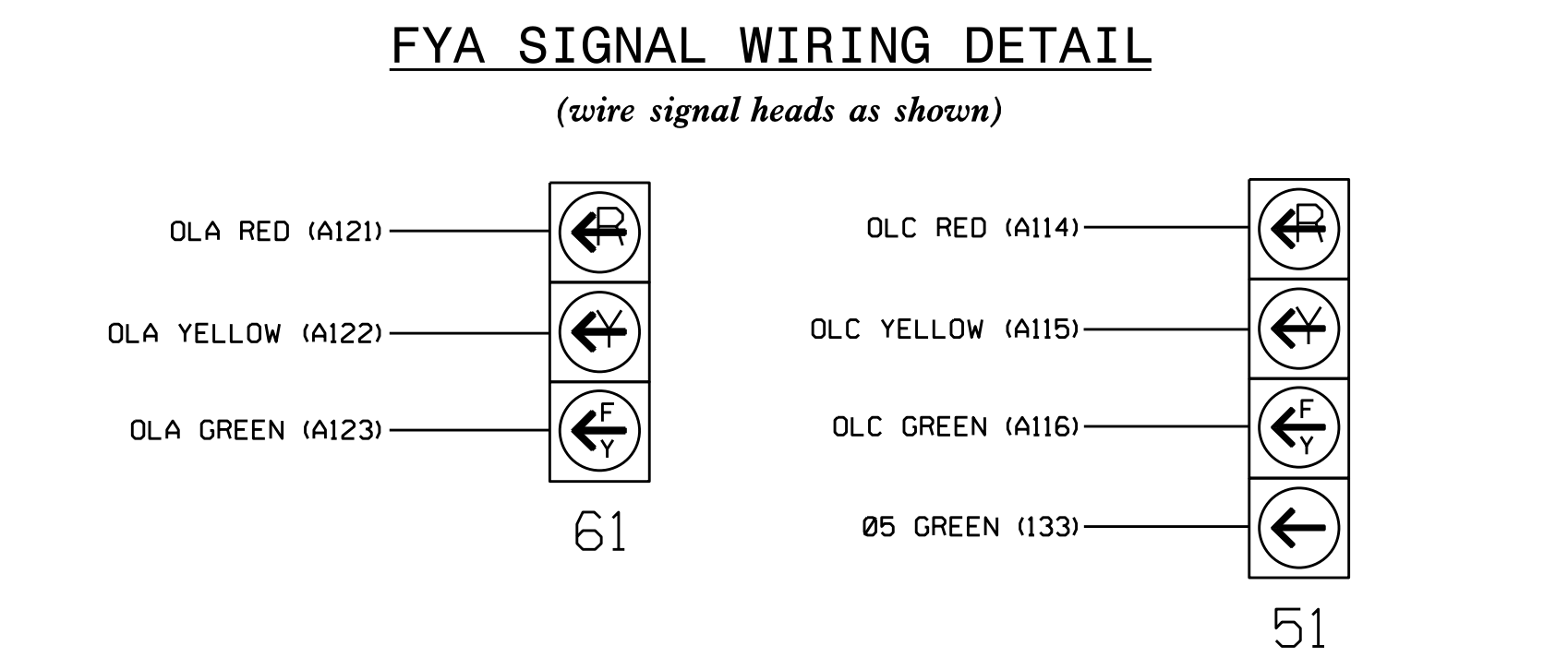
EQUIPMENT INFORMATION

CONTROLLER.....2070E
 CABINET.....332 W/ AUX
 SOFTWARE.....ECONDLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S2,S4,S5,S7,S8,AUX S1, AUX S4
 PHASES USED.....2,3,4,5,6
 OVERLAP "A".....2
 OVERLAP "B".....NOT USED
 OVERLAP "C".....5+6
 OVERLAP "D".....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	OLA	OLB	SPARE	OLC	OLD	SPARE	
SIGNAL HEAD NO.	NU	21,22	NU	22	31	32	41	42,43	NU	43	51	62,63	NU	NU	NU	61	NU	51	NU
RED		128		116	116	101	101	*		134									
YELLOW		129		117	117	102	102			135									
GREEN		130		118	118	103	103			136									
RED ARROW																A121		A114	
YELLOW ARROW				117						132						A122		A115	
FLASHING YELLOW ARROW																A123		A116	
GREEN ARROW				118	118	103				133	133								

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



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

INPUT FILE POSITION LAYOUT

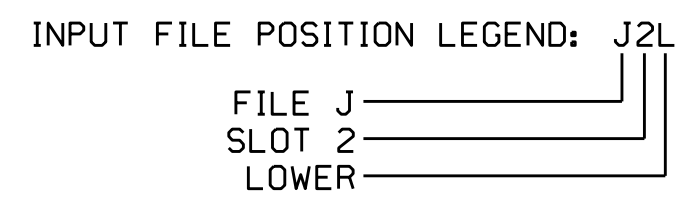
(front view)

FILE "I"	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	∅ 2	∅ 3	∅ 4	∅ 5	∅ 6/SYS	∅ 7	∅ 8	∅ 9	∅ 10	∅ 11	∅ 12	∅ 13	∅ 14	FS
L	2A	3A	4A	5A	6A/S1	7A	8A	9A	10A	11A	12A	13A	14A	DC ISOLATOR
U	∅ 5	∅ 6/SYS	∅ 7	∅ 8	∅ 9	∅ 10	∅ 11	∅ 12	∅ 13	∅ 14	∅ 15	∅ 16	∅ 17	DC ISOLATOR
L	5A	6A/S1	7A	8A	9A	10A	11A	12A	13A	14A	15A	16A	17A	DC ISOLATOR
	NOT USED	6B/S2	7A	8A	9A	10A	11A	12A	13A	14A	15A	16A	17A	DC ISOLATOR

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

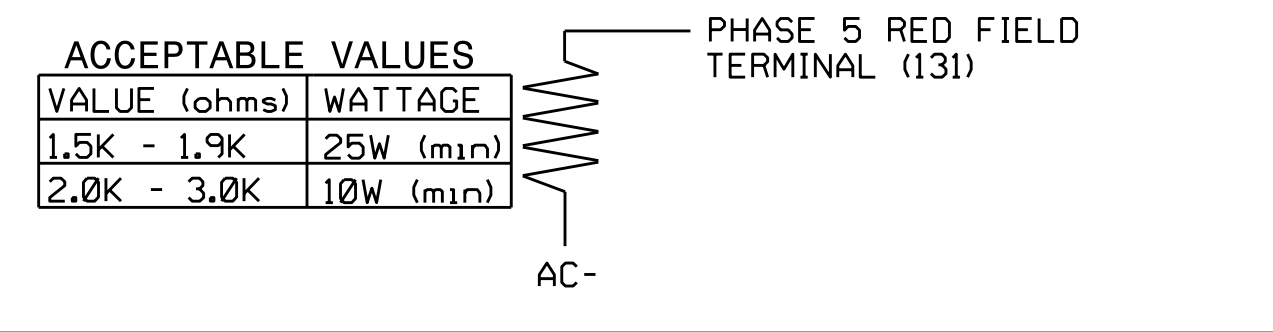
INPUT FILE CONNECTION & PROGRAMMING CHART

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
2A	TB2-5,6	I2U	39	1	2	2	Y	Y			
3A	TB4-5,6	I5U	58	20	3	3	Y	Y			3
4A	TB4-9,10	I6U	41	3	4	4	Y	Y			
5A	TB3-1,2	J1U	55	17	5	5	Y	Y			15
5B	TB3-5,6	J2U	40	2	6	5	Y	Y			10
6A/S1	TB3-9,10	J3U	64	26	36	6/SYS	Y	Y			
6B/S2	TB3-11,12	J3L	77	39	46	6/SYS	Y	Y			



LOAD RESISTOR INSTALLATION DETAIL

(install resistor as shown below)



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 13-0556
 DESIGNED: June 2016
 SEALED: 9/8/2016
 REVISED:

Electrical Detail - Sheet 1 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared In the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

NC 63 (Leicester Highway) at SR 1004 (Newfound Road) / SR 1375 (Dix Creek Chapel Road)

Division 13 Buncombe County Asheville

PLAN DATE: September 2016 REVIEWED BY: T. Joyce
 PREPARED BY: C. Strickland REVIEWED BY:

REVISIONS

INIT. DATE

DocuSign by: *Tracy M. Little* 9/14/2016

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 030530
 TRACY M. LITTLE

SIG. INVENTORY NO. 13-0556

09-SEP-2016 08:49 Signal (s:\work\projects\13-0556_sml_ele_xxx.dgn) 08817 (0K) 0101