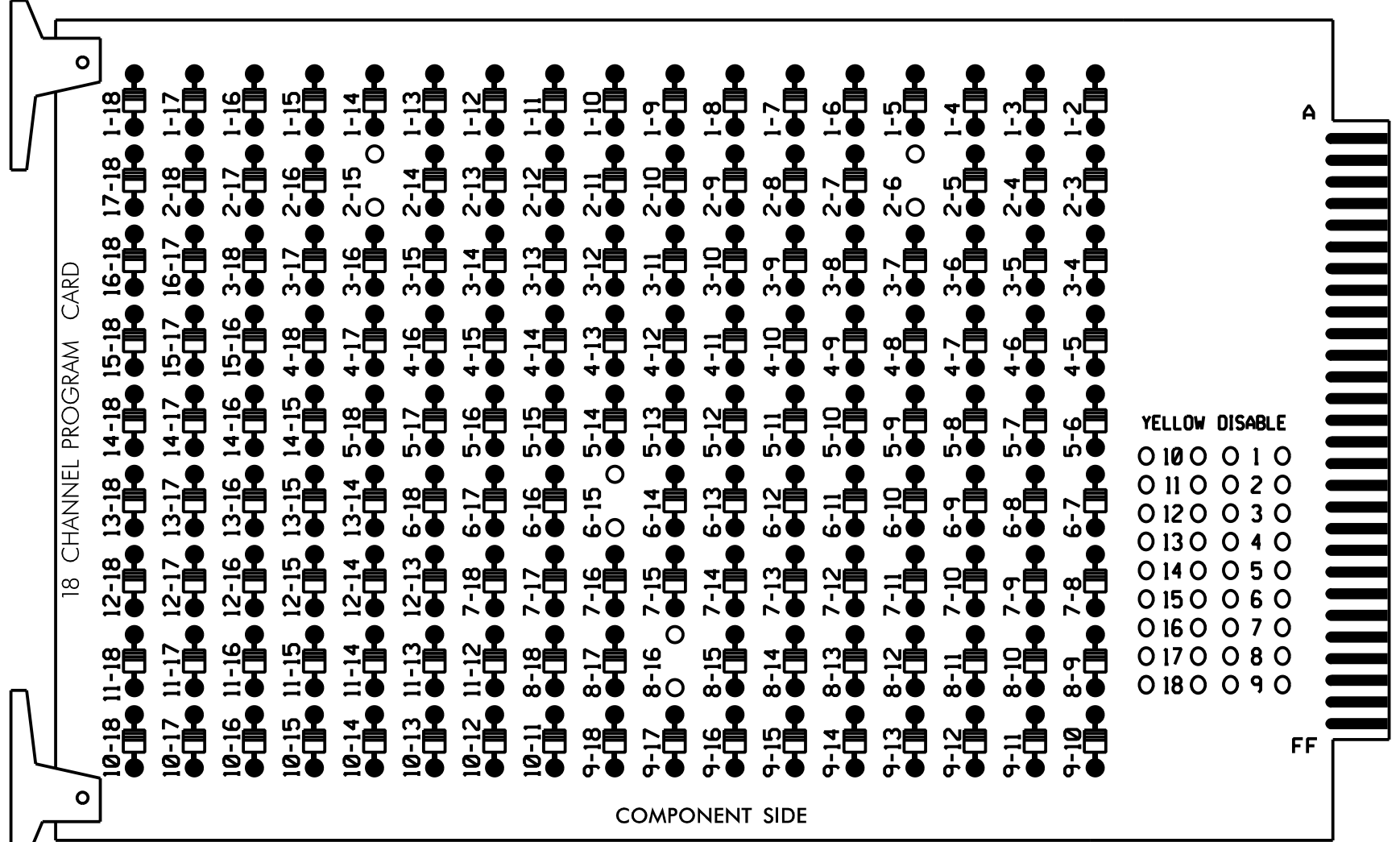


18 CHANNEL CONFLICT MONITOR
PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 2-6, 2-15, 6-15 and 8-16.

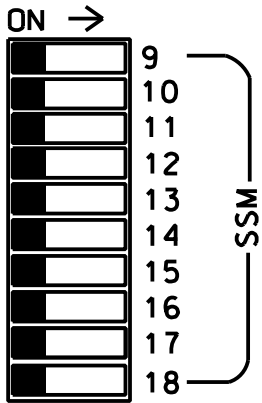
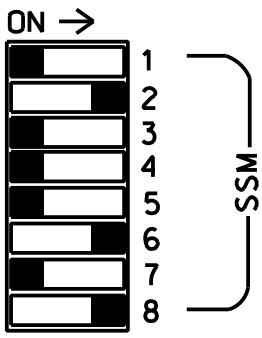
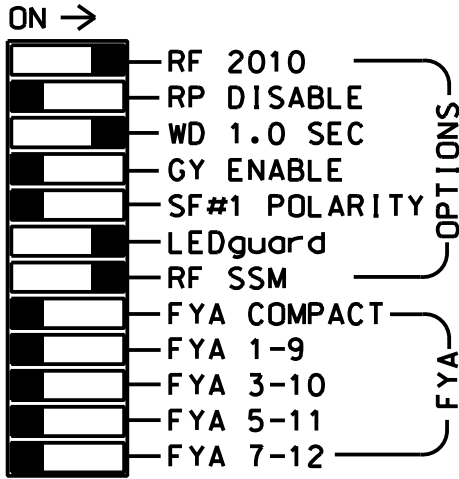
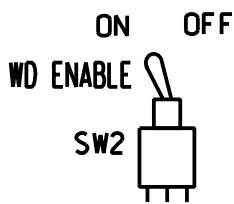


REMOVE JUMPERS AS SHOWN

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.

■ = 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 controller to start up in phases 2 and 6 Green/Don't Walk.
- Enable Simultaneous Gap-Out feature for all phases.
- The cabinet and controller are part of the Hickory City Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070LX
CABINET.....332 W/ AUX
SOFTWARE.....SE-PAC2070 VER. 5.4
CABINET MOUNT.....BASE
OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
LOAD SWITCHES USED.....S2,S8,S9,S11,S12
PHASES USED.....2,4*,6,6PED,8,8 PED
OVERLAP "A".....NOT USED
OVERLAP "B".....NOT USED
OVERLAP "C".....NOT USED
OVERLAP "D".....NOT USED

* Phase used for timing purposes only.

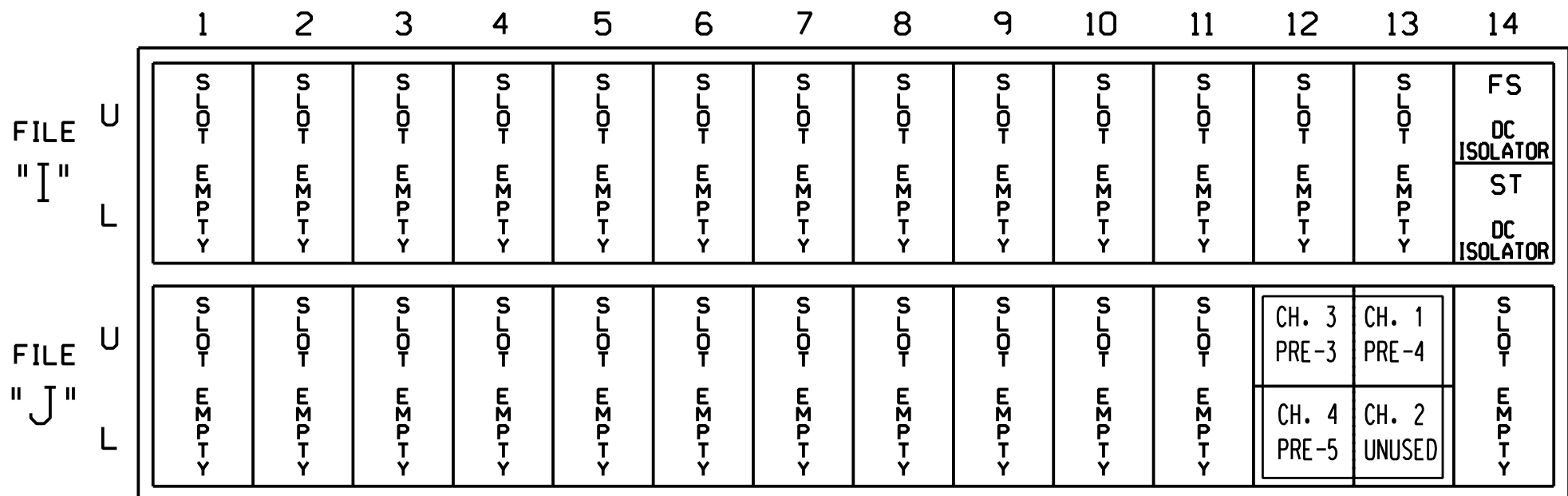
SIGNAL HEAD HOOK-UP CHART

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	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	NU	NC	NU	NU	61	62	P61, P62	NU	81,82	P83, P84	NU	NU	NU	NU	NU
RED		128						134	134		107							
YELLOW		129						135	135		108							
GREEN								136			109							
RED ARROW																		
YELLOW ARROW																		
FLASHING YELLOW ARROW																		
GREEN ARROW		130						136										
Hand icon										119		110						
Walking person icon										121		112						

NU = Not Used
NC = Not Connected

INPUT FILE POSITION LAYOUT

(front view)



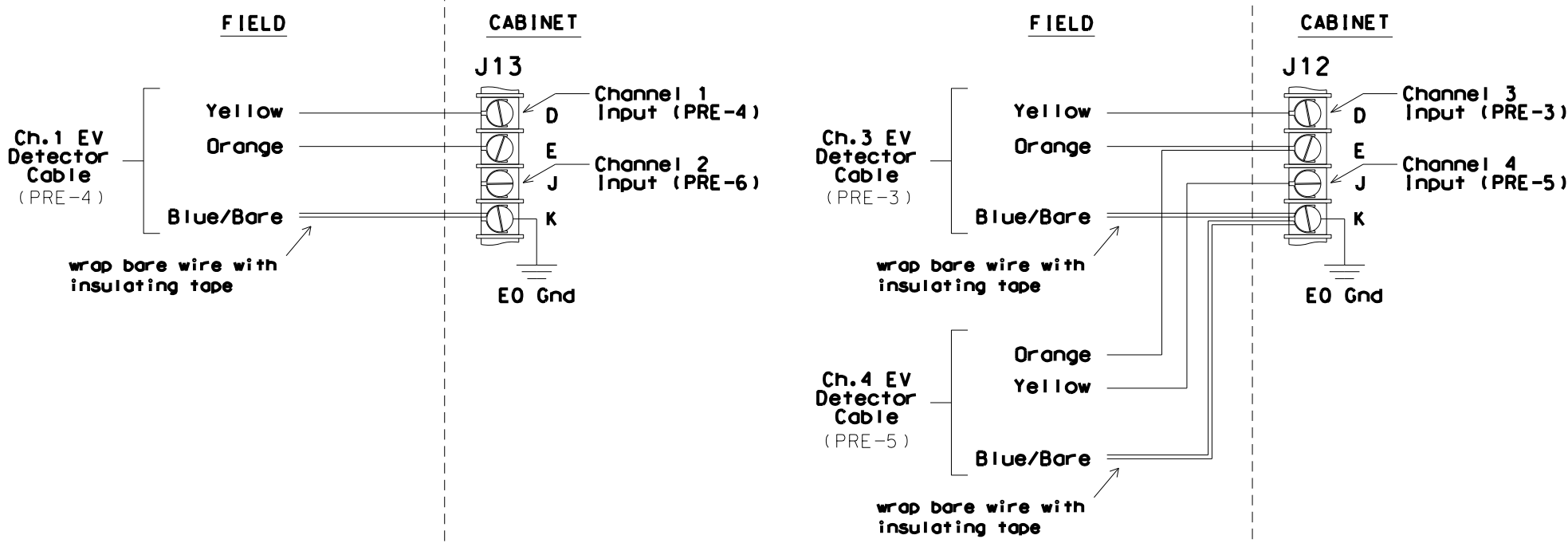
EX. : 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
ST = STOP TIME
PRE = PREEMPT

4 CHANNEL EV OSP CARD
INSERT CARD INTO
SLOT J13

TYPICAL EV FIELD WIRE DETAIL

(input file, rear view)



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.

Signal Upgrade-
Electrical Detail - Sheet 1 of 3
(Construction Phase 2)

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 12-0954T3
DESIGNED: October 2023
SEALED: 09/06/2024
REVISED: N/A

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

 HNTB NORTH CAROLINA, P.C. 4000 Center at North Hills St Suite 500 Raleigh, North Carolina 27609 NC License No: C-1554 (919) 546-8997	ELECTRICAL AND PROGRAMMING DETAILS FOR:		NC 127 SE at SR 1692 (1st Ave SE)		
	Prepared for:		Division 12 Catawba County Hickory		
	PLAN DATE: January 2024	REVIEWED BY: N.K. Vlanich			
	PREPARED BY: E.E. Tiller	REVIEWED BY: N.R. Simmons			
REVISIONS		INIT.	DATE	DocuSigned by: Natasha R. Simmons 9/6/2024 SIGNATURE DATE	
				SIG. INVENTORY NO. 12-0954T3	