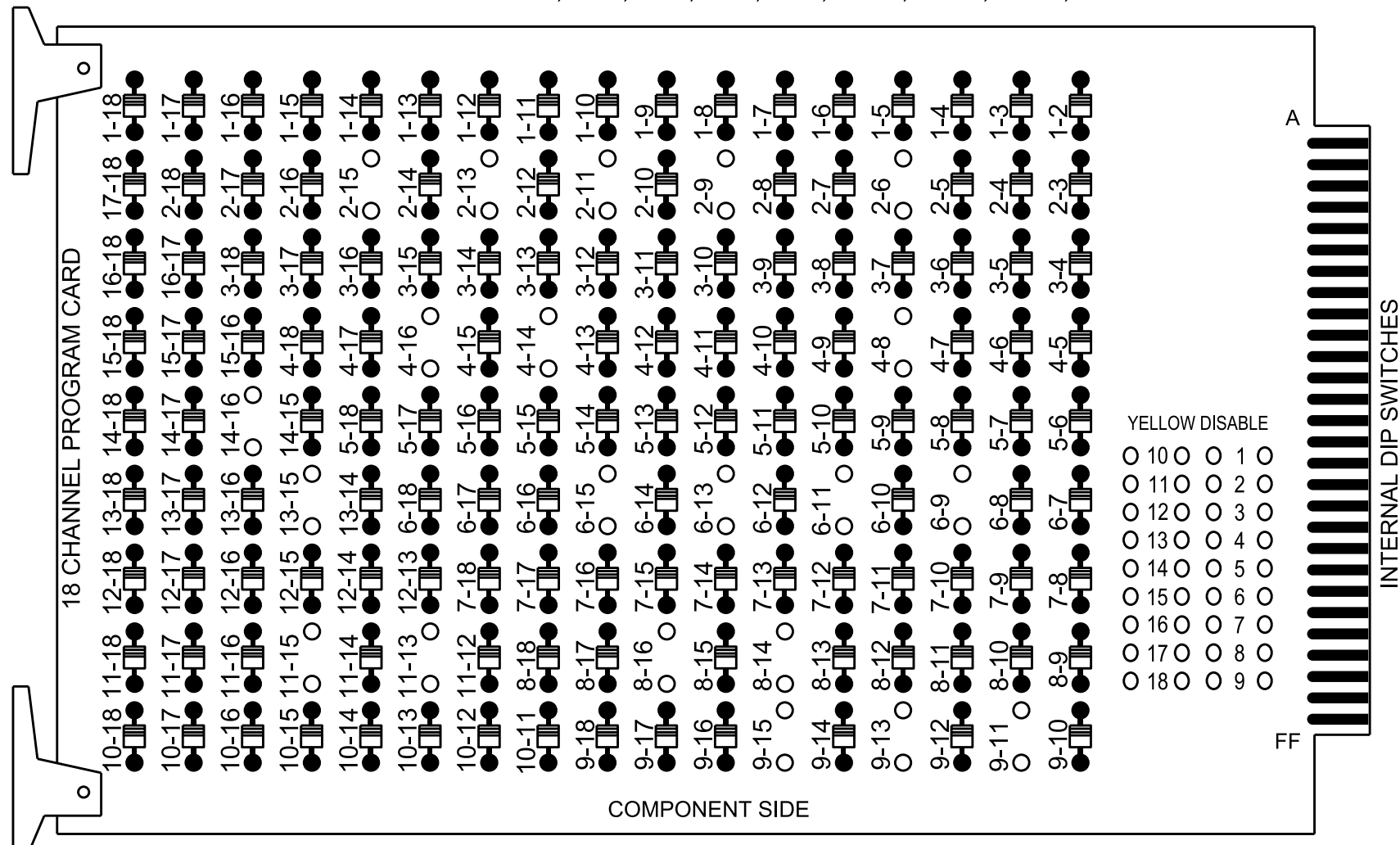


(remove jumpers and set switches as shown)

ON OFF
WD ENABLE
SW2



NOTES:

1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
2. Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
3. Ensure that the Red Enable is active at all times during normal operation.
4. Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.

1. 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 plan.
2. Program phases 4 and 8 for Dual Entry.
3. Program controller to start up in phase 2 Green No Walk and 6 Green No Walk.
4. Program phase 4 and 8 for Simultaneous Start.
5. If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.

Controller.....	2070LX
Cabinet.....	332 w/ Aux
Software.....	Q-Free MAXTIME
Cabinet Mount.....	Base
Output File Positions.....	18 With Aux. Output File
Load Switches Used.....	S2, S3, S5, S6, S8, S9, S11, S12, AUX S1, AUX S4
Phases Used.....	2, 2 PED, 4, 4 PED, 6, 6 PED, 8, 8 PED
Overlap "1".....	*
Overlap "3".....	*

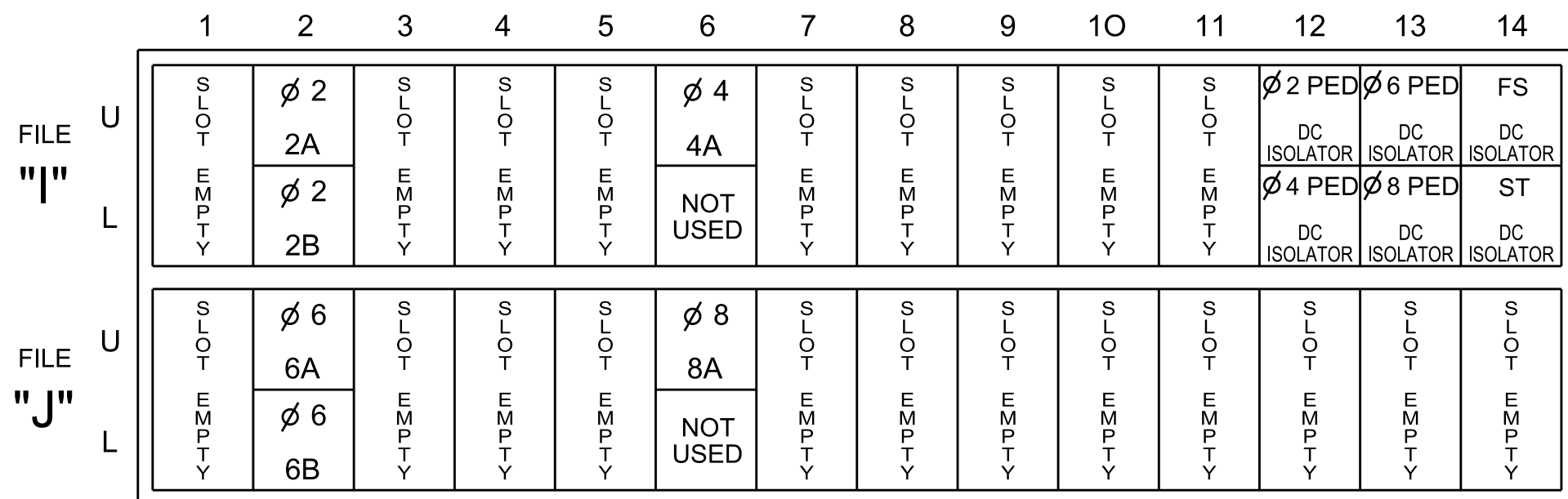
* See Overlap Programming Detail on this sheet.

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	OL1	OL2	SPARE	OL3	OL4	SPARE
SIGNAL HEAD NO.	NU	21,22	P21, P22	NU	41,42	P41, P42	NU	61, 62,63	P61, P62	NU	81,82	P81, P82	64★	NU	NU	23★	NU	NU
RED		128			101			134			107							
YELLOW		129			102			135			108							
GREEN		130			103			136			109							
RED ARROW													A121			A114		
YELLOW ARROW													A122			A115		
FLASHING YELLOW ARROW													A123			A116		
GREEN ARROW																		
			113			104			119			110						
			115			106			121			112						

NU = Not Used

★ See pictorial of head wiring in detail this sheet.

(front view)



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

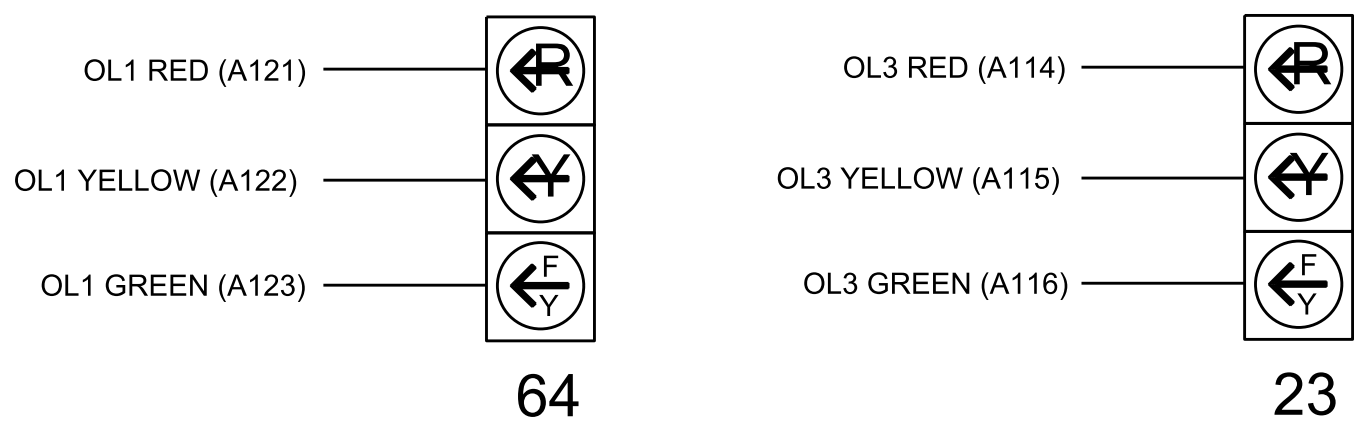
FS = FLASH SENSE
ST = STOP TIME

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT POINT	DETECTOR NO.	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN
2A	TB2-5,6	I2U	39	1	2	2			X		X	
2B	TB2-7,8	I2L	43	5	3	2			X		X	
4A	TB4-9,10	I6U	41	3	8	4	5.0		X		X	
6A	TB3-5,6	J2U	40	2	16	6			X		X	
6B	TB3-7,8	J2L	44	6	17	6			X		X	
8A	TB5-9,10	J6U	42	4	22	8	5.0		X		X	
PED PUSH BUTTONS												
P21,P22	TB8-4,6	I12U	67	33	2	PED 2	NOTE: INSTALL DC ISOLATORS IN INPUT FILE SLOTS I12 AND I13.					
P41,P42	TB8-5,6	I12L	69	35	4	PED 4						
P61,P62	TB8-7,9	I13U	68	34	6	PED 6						
P81,P82	TB8-8,9	I13L	70	36	8	PED 8						

NOTE:
INSTALL DC ISOLATORS
IN INPUT FILE SLOTS
I12 AND I13.

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.

(wire signal heads as shown)



Front Panel
Main Menu >Controller >Overlap >Overlap Parameters/Overlap Timings

Web Interface
Home >Controller >Overlap Configuration >Overlaps
Overlap Plan 1

Overlap	1	3
Type	FYA 4 - Section	FYA 4 - Section
Included Phases	2	6
Modifier Phases	-	-
Modifier Overlaps	-	-
Trail Green	0	0
Trail Yellow	0.0	0.0
Trail Red	0.0	0.0

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 08-0091
DESIGNED: July 2024
SEALED: 11/27/2024
REVISED:

Electrical Detail

Electrical and Programming
Details For:

Prepared in the Offices of:



750 N. Greenfield Pkwy, Garner, NC 27529

NC 22-24-27 (Monroe Street)
at
NC 22 (McNeil Street)

Division 8

Moore County

Carthage

PLAN DATE:	November 2024
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REVIEWED BY:

PREPARED BY: R.J. Ziemba

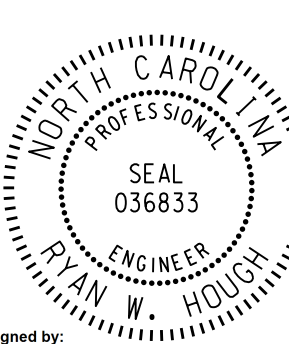
REVIEWED BY:

REVISIONS

DATE	DESCRIPTION	AMOUNT	CHECK NO.	BANK	INITIALS
10/1/01	...	...	...	...	...
10/2/01	...	...	...	...	...
10/3/01	...	...	...	...	...
10/4/01	...	...	...	...	...
10/5/01	...	...	...	...	...
10/6/01	...	...	...	...	...
10/7/01	...	...	...	...	...
10/8/01	...	...	...	...	...
10/9/01	...	...	...	...	...
10/10/01	...	...	...	...	...
10/11/01	...	...	...	...	...
10/12/01	...	...	...	...	...
10/13/01	...	...	...	...	...
10/14/01	...	...	...	...	...
10/15/01	...	...	...	...	...
10/16/01	...	...	...	...	...
10/17/01	...	...	...	...	...
10/18/01	...	...	...	...	...
10/19/01	...	...	...	...	...
10/20/01	...	...	...	...	...
10/21/01	...	...	...	...	...
10/22/01	...	...	...	...	...
10/23/01	...	...	...	...	...
10/24/01	...	...	...	...	...
10/25/01	...	...	...	...	...
10/26/01	...	...	...	...	...
10/27/01	...	...	...	...	...
10/28/01	...	...	...	...	...
10/29/01	...	...	...	...	...
10/30/01	...	...	...	...	...
10/31/01	...	...	...	...	...

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

SEA



— Signed by:

11/27/202

SIG. INVENTORY NO