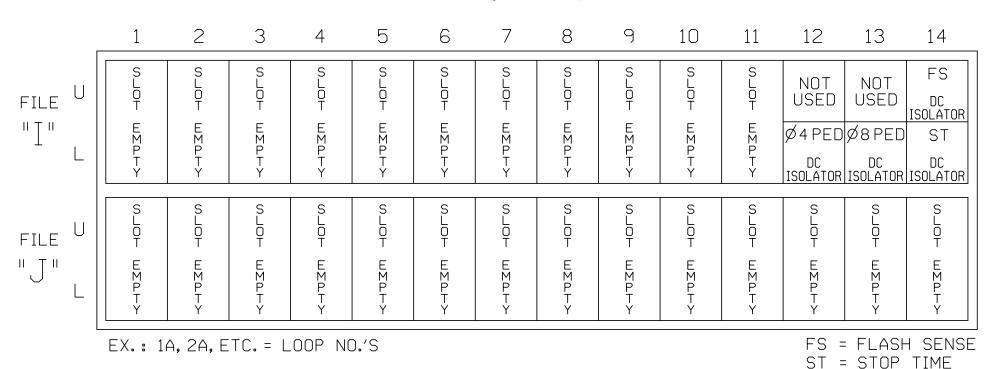
INPUT FILE POSITION LAYOUT

(front view)



NOTES

- 1. To prevent "flash-conflict" problems, wire all unused load switches to flash red. Verify that signal heads flash in accordance with the signal plans. Insert yellow flash program blocks for load switches S2 and S8.
- 2. Enable simultaneous gap-out for all phases.
- 3. Program Phase 2 and 6 for Rest In Walk.
- 4. Program phases 2 and 6 for Ped Recall.
- 5. Program phases 4 and 8 for PED > CLR RED.

EQUIPMENT INFORMATION

CONTROLLER.......2070LX

SOFTWARE.....ECONOLITE ASC/3-2070 CABINET MOUNT.....BASE

OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE

LOAD SWITCHES USED.....S2,S6,S8,S12

PHASES USED.....2,2PED*,4*,4PED,6,6PED*,8*,8PED OVERLAPSNONE

* For timing purposes only

OPERATIONAL NOTES

- 1. In order for the controller to perform the Pedestrian Hybrid Beacon (HAWK signal) sequence, special logic programming is necessary. Refer to sheet 2 for the Econolite ASC/3-2070 Logic Processor Programming Detail.
- 2. For operational purposes, Phase 2 and Phase 6 both run dummy pedestrian phases that are required to produce the correct HAWK signal sequence. There are no Phase 2 or Phase 6 pedestrian heads.
- 3. The only Phase 6 load switch output that is being used drives one of the red signal faces of each signal head.
- 4. The Logic Processor flashes Phase 2 Yellow during the Phase 2 pedestrian clearance phase, and Phase 2 Yellow drives the solid Yellow signal faces during Phase 2 vehicle Yellow clear.
- 5. The Phase 2 and Phase 6 Red outputs drive the solid Red displays during Phase 2 and 6 Red. The Logic Processor flashes the Phase 2 and Phase 6 Red outputs in a wig-wag pattern during Phase 4+8 Ped Clear and thru Phase 4+8 vehicle Yellow and Red clear.
- 6. The controller must be programmed for Ped Clear Thru Red for Pedestrian Phases 4 and 8 so that the Red displays continue to flash during Phases 4 and 8 Yellow Clear and Red clear.
- 7. Make sure that all Phase 2 and Phase 6 timings match each other, and that all Phase 4 and Phase 8 timings match each other.
- 8. The Ped 4 push button is programmed to call Ped 4 and Ped 8, and the Ped 8 push button is programmed to call Ped 8 and Ped 4.

NU = Not Used

CMU CHANNEL

RED

YELLOW

GREEN

ARROW

YELLOW ARROW

FLASHING YELLOW ARROW

GREEN

ARROW

129

NC = Not Connected

* Denotes install load resistor. See load resistor installation detail this sheet.

1Ø4

1Ø6

SIGNAL HEAD WIRING DETAIL (wire signal heads as shown)

SIGNAL HEAD HOOK-UP CHART

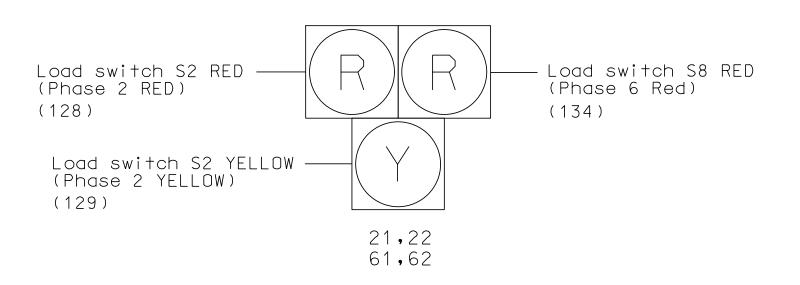
21,22 61,62 NC NU NC P41, P42 NU 21,22 61,62 NC NU NC P81, P82 NU NU NU NU

 S5
 S6
 S7
 S8
 S9
 S10
 S11
 S12
 AUX S1
 AUX AUX AUX AUX S5
 AUX S5
 S6

11Ø

112

6 | 15 | 7 | 8 | 16 | 9 | 10 |



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: DAVI-2 DESIGNED: July 2023 SEALED: 9/19/2023 REVISED: N/A

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	
	PED PUSH BUTTONS							NOTE:				
	P41 , P42	TB8-5,6	I12L	69	PED 4	4/8 PED	IN INDUT FILE CLOTC					
	P81 , P82	TB8-8,9	I13L	7Ø	PED 8	4/8 PED						
•		I12 AND I13.										

INPUT FILE POSITION LEGEND: J2L FILE J-SLOT 2-LOWER-

> PLANS PREPARED IN THE OFFICE OF: Kimley » Horn NC License #F-0102 421 Fayetteville Street, Suite 600 Raleigh, NC 27601

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|Electrical Detail - Sheet 1 of 2

ELECTRICAL AND PROGRAMMING DETAILS FOR:

REVISIONS

Griffith Street Pedestrian Hybrid Beacon East of Sloan Street/ Beaty Street

Division 10 Mecklenburg PLAN DATE: July 2023 REVIEWED BY: KP Baumann PREPARED BY: SP Pennington REVIEWED BY:

SEAL 044434 Davidson INIT. DATE 9/19/2023 SIG. INVENTORY NO.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PROJECT REFERENCE NO.

SIG. 6.1

U-5907

8 8 OLA OLB SPARE OLC OLD SPARE

ACCEPTABLE VALUES

VALUE (ohms) WATTAGE

1.5K - 1.9K 25W (min)

2.ØK - 3.ØK | 1ØW (min)

- PHASE 2 GREEN FIELD TERMINAL (130) PHASE 6 GREEN FIELD TERMINAL (136) PHASE 6 YELLOW FIELD TERMINAL (135)

LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown)

Prepared For:

Davidson College Town. Lake Town. Your Town,