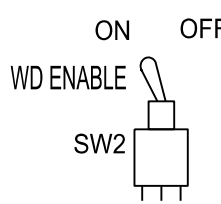


(remove jumpers and set switches as shown)

(remove jumpers and set switches as shown)



REMOVE JUMPERS AS SHOWN

NOTES:

- = DENOTES POSITION OF SWITCH

NOTES

1. 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 plan.
2. Program controller to start up in phase
2 Green No Walk and 6 Green No Walk.
3. Program phases 2 and 6 for Advanced Warning.
4. Program phases 2 and 6 for 3.0 seconds
Pre Clearance.
5. If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.

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	ADVANCE BEACON	3		4		4 PED	ADVANCE BEACON	5	6	6 PED	ADVANCE BEACON	7	8	8 PED	ADVANCE BEACON	OL1	OL2	OL5	OL3	OL4	OL6
SIGNAL HEAD NO.	11	21,22	NU	25	31	32,33	41	42,43	NU	65	51	61,62	NU	26	NU	NU	NU	66	NU	NU	NU	NU	NU	NU
RED		128			116	116	101	101				134												
YELLOW		129			117	117	102	102				135												
GREEN		130			118	118	103	103				136												
RED ARROW	125										131													
YELLOW ARROW	126										132													
GREEN ARROW	127				118		103				133													
																								
PED YELLOW				**114						**105				**120			**111							
			*						*				*				*							

NU = Not Used

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

**** Outputs have been reassigned for Advanced Beacons. See Sheet 2 for reassignment programming and wiring details.**

INPUT FILE POSITION LAYOUT

(front view)

MULTIZONE
DETECTION

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

FS = FLASH SENSE
ST = STOP TIME

SPECIAL DETECTOR NOTE

Install a multizone microwave detection system for vehicle detection. Perform installation according to manufacturer's directions and NCDOT engineer approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans.

EQUIPMENT INFORMATION

Controller.....	2070LX
Cabinet.....	332 w/ Aux
Software.....	Q-Free MAXTIME
Cabinet Mount.....	Base
Output File Positions.....	18 With Aux. Output File
Load Switches Used.....	S1, S2, S3**,S4, S5, S6**, S7, S8, S9**, S12**

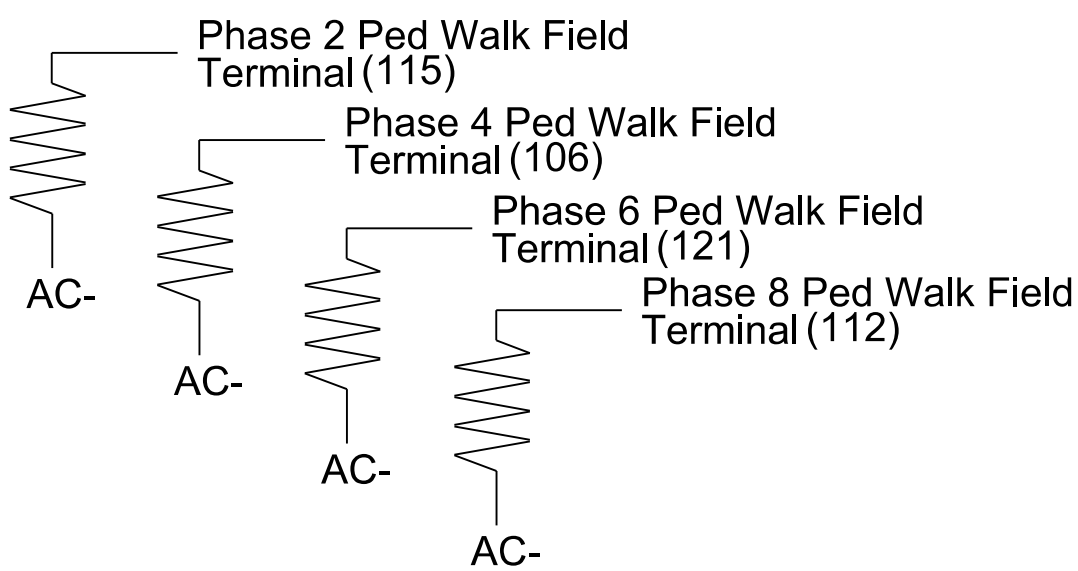
```

Phases Used.....1, 2, 3, 4, 5, 6
Overlap "4".....NOT USED
Overlap "2".....NOT USED
Overlap "3".....NOT USED
Overlap "4".....NOT USED
**Used for advance beacons only

```

LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown)



THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 03-1248T1
DESIGNED: March 2025
SEALED: 3-31-2025
REVISED: N/A

Electrical Detail - Sheet 1 of 2

Electrical and Programming Details For:	US 17 Bypass (Ocean Highway W) at US 17 Bus (Main Street) / Frontage Road NW		
Prepared in the Offices of:	Division 3	Brunswick County	Shallotte
			

[illegible]

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED



Signed by: John T. Rowe, Jr 4-1-2021
DATE
DEED#B22009F7407
SIG. INVENTORY NO. 03-1248T1

4/1/2025
...*031248T1-sm_ele-2025xxy.dgn
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