

REMOVE SPECIAL DETECTOR NOTE

Remove microwave detection system for all vehicle detection.

MAXTIME PHASE OPTIONS PROGRAMMING DETAIL

Front Panel

Main Menu >Controller >Phase >Phase Options

Select Plan 1

Web Interface

Home >Controller> Phase Configuration >Phase Option Plans

Select Phase Option Plan 1

Phase Option Plan 1

Phase	1	2	3	4	5	6	7	8
Enabled	X	X	X	X	X	X	-	-
Advanced Warning	-	X	-	-	-	X	-	-

NOTICE 'ADVANCED WARNING'
ACTIVATED FOR PHASE 2 AND PHASE 6

MAXTIME OUTPUT
ASSIGNMENT PROGRAMMING DETAIL

Front Panel

Main Menu >Controller >More >Advanced IO> Output Points

Web Interface

Home >Controller >Advanced IO >Cabinet Configuration >Output Points

IO Module 1

Output Point	Description	Input Control Type	Index
33	C1-35	Channel Green Walk Drive	19
34	C1-36	Channel Red Do Not Walk Drive	19
35	C1-37	Channel Green Walk Drive	20
36	C1-38	Channel Red Do Not Walk Drive	20

OUTPUT REFERENCE SCHEDULE

OUTPUT 33 = 2 PED Y
OUTPUT 34 = 6 PED Y
OUTPUT 35 = 4 PED Y
OUTPUT 36 = 8 PED Y

MAXTIME DETECTOR PROGRAMMING DETAIL
FOR ALTERNATE PHASING LOOPS 1A & 5A

Front Panel

Main Menu >Controller >Detector >Veh Det Plans

Web Interface

Home >Controller >Detector Configuration >Vehicle Detectors

In the table view of web interface right click on "Detector" in the top left corner of the table. Copy the entire contents of Detector Plan 1. Paste Detector Plan 1 into Detector Plan 2. Modify Detector Plan 2 as shown below and save changes.

1A	Plan 2		
	Detector	Call Phase	Delay
	1	1	0.0
5A	29	0	3.0

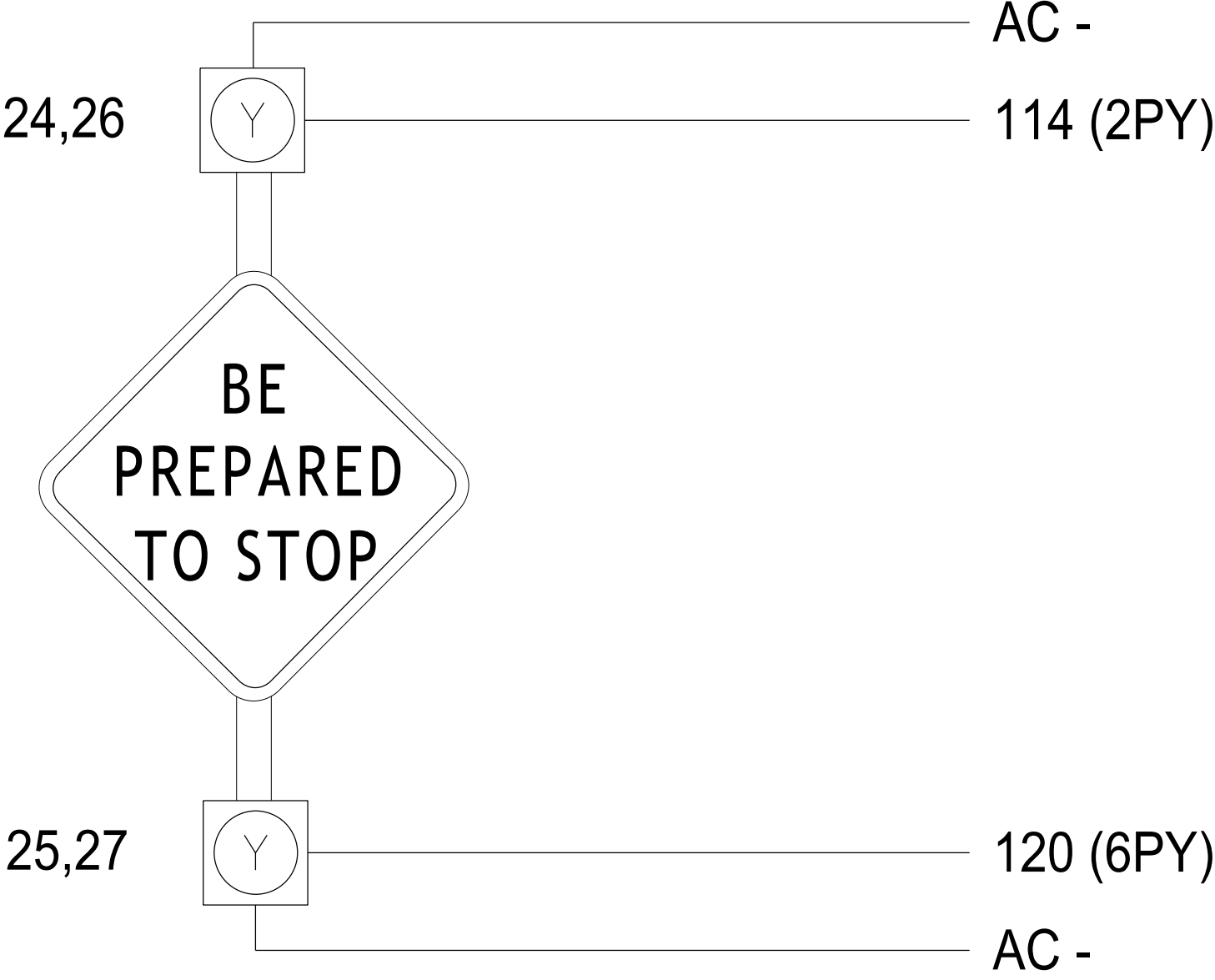
5A	Detector	Call Phase	Delay
	15	5	0.0
	31	0	3.0

ADVANCE BEACON WIRING DETAIL

(wire flashers as shown below)

FIELD CONNECTIONS

CABINET CONNECTIONS



IMPORTANT

1. IF CONNECTED, REMOVE, TAPE AND LABEL CONFLICT MONITOR WIRE ATTACHED TO THE REAR OF TERMINAL 114 (2PY) AND TERMINAL 120 (6PY).
2. INSERT LOADSWITCHES IN THE OUTPUT FILE SLOTS S3 AND S9.
3. MAKE SURE LOAD RESISTORS ARE IN PLACE AS SHOWN IN LOAD RESISTOR INSTALLATION DETAIL ON SHEET 1.
4. PROGRAM THE CONTROLLER OUTPUT CHANNEL AND OUTPUT POINT CONFIGURATION AS SHOWN ON SHEETS 2 AND 3.
5. TO ACTIVATE ADVANCE BEACON OPERATION 3 SECONDS PRIOR TO THE END OF PHASE 2 GREEN, NAVIGATE TO THE PHASE TIMING PLANS TO PROGRAM A PRE CLEARANCE OF 3.0 SECONDS FOR PHASE 2.

FLASHER CIRCUIT MODIFICATION DETAIL

IN ORDER TO INSURE THAT SIGNALS FLASH CONCURRENTLY ON THE SAME APPROACH, MAKE THE FOLLOWING FLASHER CIRCUIT CHANGES:

1. ON REAR OF PDA - REMOVE WIRE FROM TERM. T2-4 AND TERMINATE ON T2-2.
2. ON REAR OF PDA - REMOVE WIRE FROM TERM. T2-5 AND TERMINATE ON T2-3.
3. REMOVE FLASHER UNIT 2.

THE CHANGES LISTED ABOVE TIES ALL PHASES AND OVERLAPS TO FLASHER UNIT 1.

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 02-0629
DESIGNED: Apr 2025
SEALED: 4/24/2025
REVISED: N/A

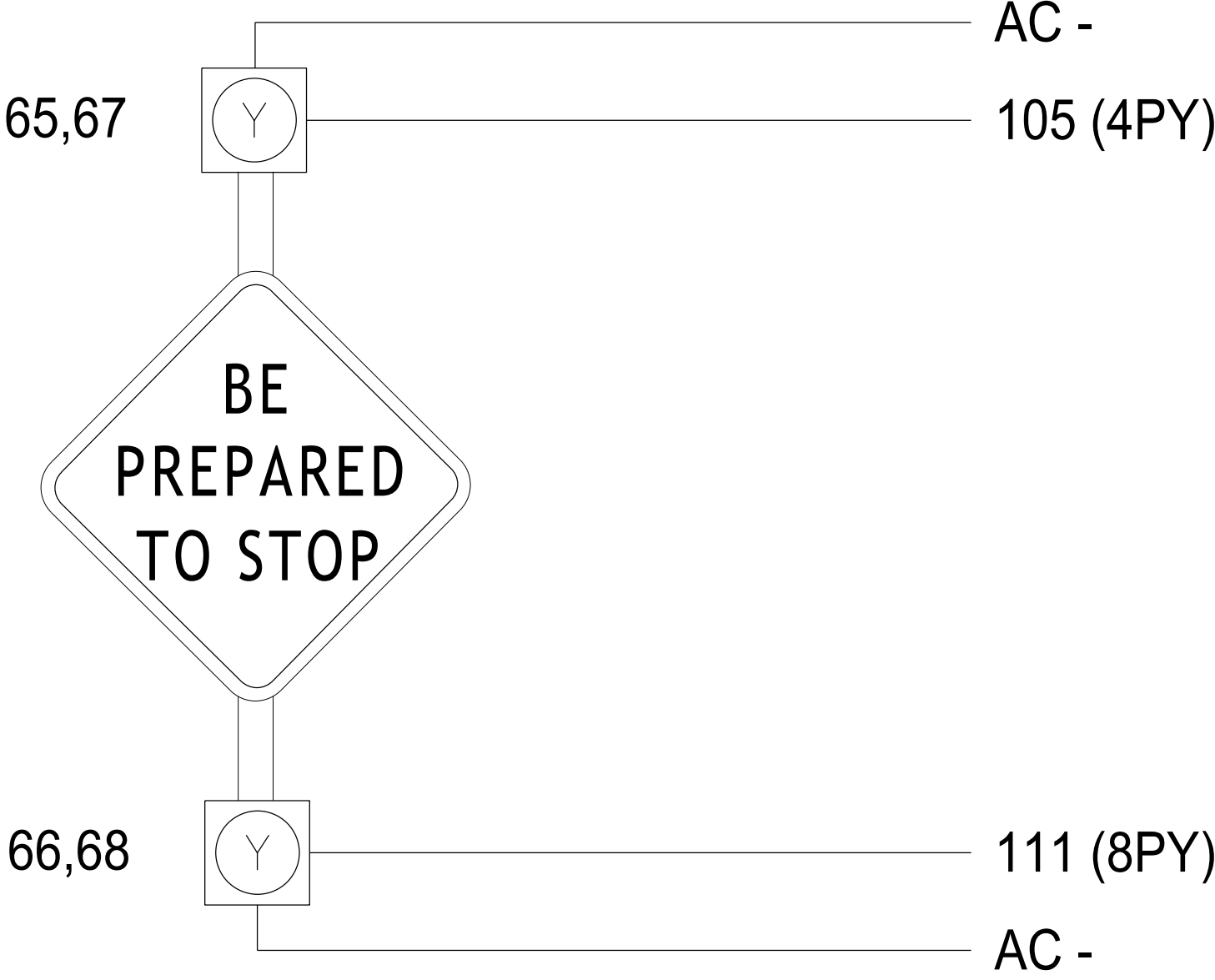


ADVANCE BEACON WIRING DETAIL

(wire flashers as shown below)

FIELD CONNECTIONS

CABINET CONNECTIONS



IMPORTANT

1. IF CONNECTED, REMOVE, TAPE AND LABEL CONFLICT MONITOR WIRE ATTACHED TO THE REAR OF TERMINAL 105 (4PY) AND TERMINAL 111 (8PY).
2. INSERT LOADSWITCHES IN THE OUTPUT FILE SLOTS S6 AND S12.
3. MAKE SURE LOAD RESISTORS ARE IN PLACE AS SHOWN IN LOAD RESISTOR INSTALLATION DETAIL ON SHEET 1.
4. PROGRAM THE CONTROLLER OUTPUT CHANNEL AND OUTPUT POINT CONFIGURATION AS SHOWN ON SHEETS 2 AND 3.
5. TO ACTIVATE ADVANCE BEACON OPERATION 3 SECONDS PRIOR TO THE END OF PHASE 6 GREEN, NAVIGATE TO THE PHASE TIMING PLANS TO PROGRAM A PRE CLEARANCE OF 3.0 SECONDS FOR PHASE 6.

MAXTIME ALTERNATE PHASING PATTERN
PROGRAMMING DETAIL

Front Panel

Main Menu >Controller >Coordination >Patterns

Web Interface

Home >Controller >Coordination >Patterns

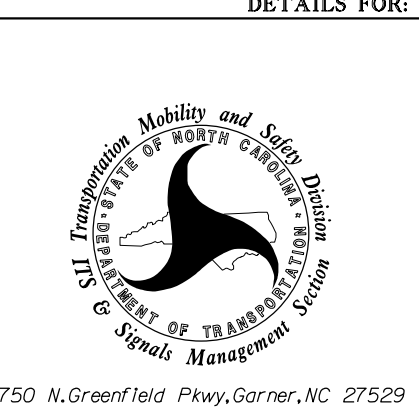
Pattern Parameters

Pattern	Veh Det Plan	Overlap Plan
*	2	2

*The Pattern number(s) are to be determined by the Division and/or City Traffic Engineer.

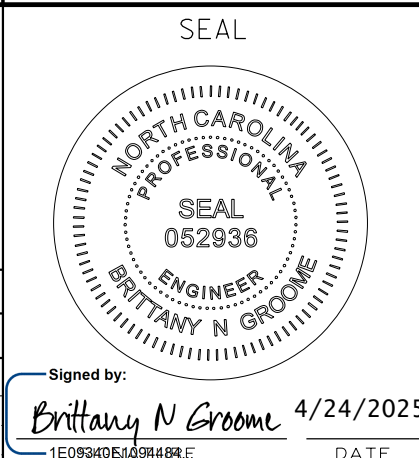
Electrical Detail - Final Design
Sheet 3 of 3

ELECTRICAL AND PROGRAMMING
DETAILS FOR:



US 17 Business (M. L. King, Jr. Blvd.) at NC 43/Ben D. Quinn Elementary Division 2 Craven County New Bern	
PLAN DATE: April 2025	REVIEWED BY: BN Groome
PREPARED BY: DS Griffin	DRMP PROJ. NO: 17359 (040)
REVISIONS	INIT. DATE

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



SIG. INVENTORY NO. 02-0629