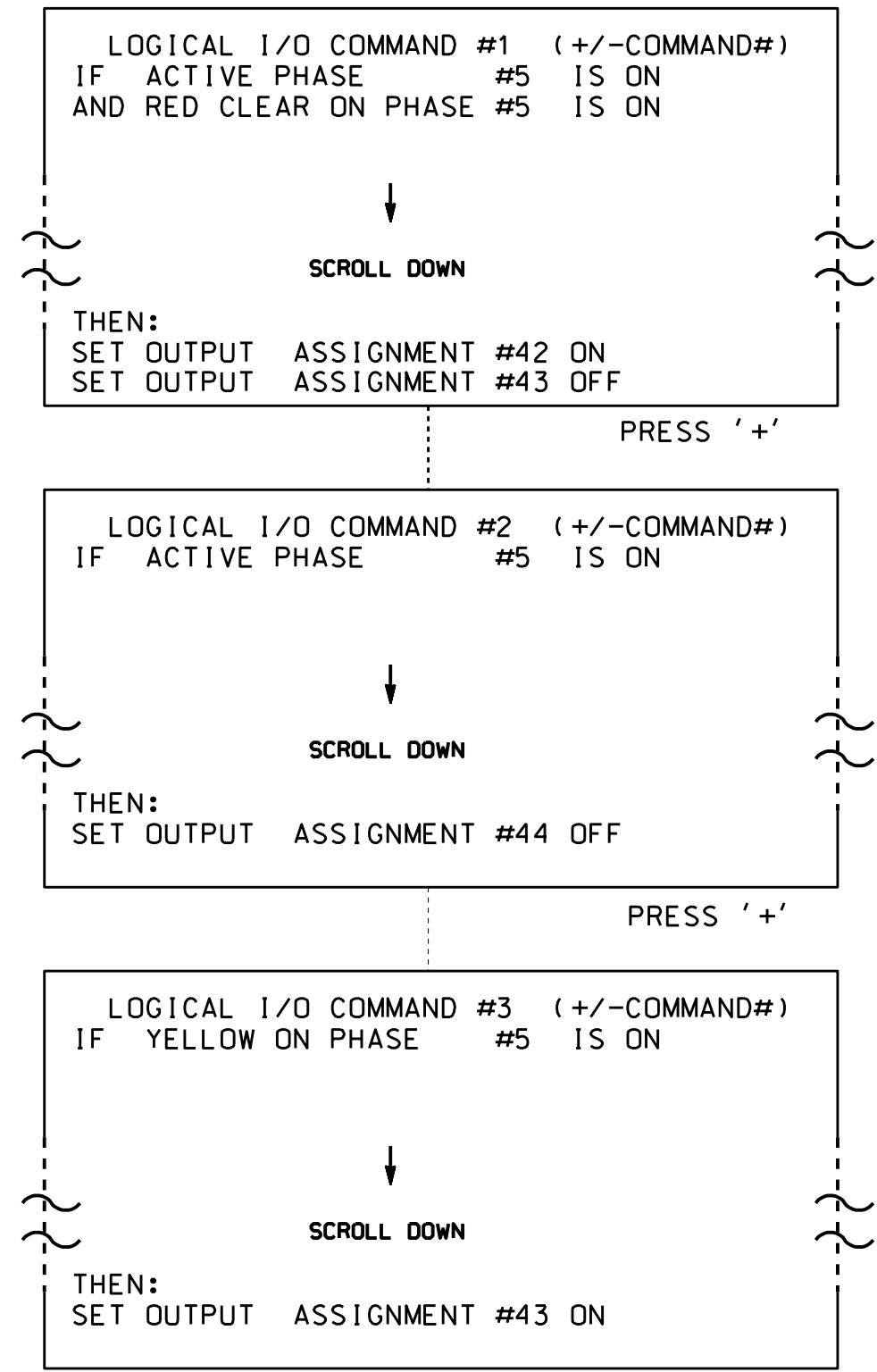


**LOGICAL I/O PROCESSOR PROGRAMMING DETAIL  
TO PRODUCE SPECIAL FYA-PPLT SIGNAL SEQUENCE**

(program controller as shown below)

- FROM MAIN MENU PRESS '2' (PHASE CONTROL), THEN '1' (PHASE CONTROL FUNCTIONS), SCROLL TO THE BOTTOM OF THE MENU AND ENABLE ACT LOGIC COMMANDS 1, 2, AND 3.
- FROM MAIN MENU PRESS '6' (OUTPUTS), THEN '3' (LOGICAL I/O PROCESSOR).



NOTE: LOGIC FOR PHASE 5 RED CLEAR WHEN TRANSITIONING FROM PHASE 5 TO PHASE 6 (HEAD 51).

NOTE: LOGIC FOR SWITCHING FLASHING YELLOW ARROW "OFF" DURING PHASE 5 (HEAD 51).

NOTE: LOGIC FOR YELLOW ARROW CLEARANCE FROM PHASE 5 (HEAD 51).

LOGIC I/O PROCESSOR PROGRAMMING COMPLETE

**OUTPUT REFERENCE SCHEDULE**

OUTPUT 42 = Overlap C Red  
 OUTPUT 43 = Overlap C Yellow  
 OUTPUT 44 = Overlap C Green

**PHASE SEQUENCE PROGRAMMING DETAIL FOR ALTERNATE PHASING**

(program controller as shown below)

FROM MAIN MENU PRESS '4' (PHASE SEQUENCE), THEN PRESS 'NEXT' TO GO TO PAGE 2.

PHASE SEQUENCE: PAGE 2 NEXT: PAGES)

RNG	LEAD	BARRIER 1	X-LAG	LEAD	BARRIER 2	X-LAG	LEAD	BARRIER 3	X-LAG	LEAD	BARRIER 4	X-LAG
1	0	0	0	0	4	0	0	10	0	0	12	0
2	5	0	0	0	0	0	0	14	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0

**PEDESTRIAN OVERLAP PROGRAMMING DETAIL**

(program controller as shown below)

FROM MAIN MENU PRESS '8' (OVERLAPS), THEN '2' (PEDESTRIAN OVERLAP SETTINGS).

PAGE 1: PEDESTRIAN OVERLAP 'A' SETTINGS  
 PHASE: 12345678910111213141516  
 PED OVL PARENTS: X X

PAGE 1: PEDESTRIAN OVERLAP 'B' SETTINGS  
 PHASE: 12345678910111213141516  
 PED OVL PARENTS: X X

OVERLAP PROGRAMMING COMPLETE

**OVERLAP PROGRAMMING DETAIL**

(program controller as shown below)

FROM MAIN MENU PRESS '8' (OVERLAPS), THEN '1' (VEHICLE OVERLAP SETTINGS).

PAGE 1: VEHICLE OVERLAP 'A' SETTINGS  
 PHASE: 12345678910111213141516  
 VEH OVL PARENTS: X X  
 VEH OVL NOT VEH: X X  
 VEH OVL NOT PED: X X  
 VEH OVL GRN EXT: X X  
 STARTUP COLOR: - RED - YELLOW - GREEN  
 FLASH COLORS: - RED - YELLOW - GREEN  
 SELECT VEHICLE OVERLAP OPTIONS: (Y/N)  
 FLASH YELLOW IN CONTROLLER FLASH?...Y  
 GREEN EXTENSION (0-255 SEC)...0.0  
 YELLOW CLEAR (0=PARENT,3-25.5 SEC)...0.0  
 RED CLEAR (0=PARENT,0.1-25.5 SEC)...0.0  
 OUTPUT AS PHASE # (0=NONE, 1-16)...0

PAGE 1: VEHICLE OVERLAP 'B' SETTINGS  
 PHASE: 12345678910111213141516  
 VEH OVL PARENTS: X X  
 VEH OVL NOT VEH: X X  
 VEH OVL NOT PED: X X  
 VEH OVL GRN EXT: X X  
 STARTUP COLOR: - RED - YELLOW - GREEN  
 FLASH COLORS: - RED - YELLOW - GREEN  
 SELECT VEHICLE OVERLAP OPTIONS: (Y/N)  
 FLASH YELLOW IN CONTROLLER FLASH?...N  
 GREEN EXTENSION (0-255 SEC)...0.0  
 YELLOW CLEAR (0=PARENT,3-25.5 SEC)...0.0  
 RED CLEAR (0=PARENT,0.1-25.5 SEC)...0.0  
 OUTPUT AS PHASE # (0=NONE, 1-16)...0

PAGE 1: VEHICLE OVERLAP 'C' SETTINGS  
 PHASE: 12345678910111213141516  
 VEH OVL PARENTS: XX X  
 VEH OVL NOT VEH: X X  
 VEH OVL NOT PED: X X  
 VEH OVL GRN EXT: X X  
 STARTUP COLOR: - RED - YELLOW - GREEN  
 FLASH COLORS: - RED - YELLOW X GREEN  
 SELECT VEHICLE OVERLAP OPTIONS: (Y/N)  
 FLASH YELLOW IN CONTROLLER FLASH?...Y  
 GREEN EXTENSION (0-255 SEC)...0.0  
 YELLOW CLEAR (0=PARENT,3-25.5 SEC)...0.0  
 RED CLEAR (0=PARENT,0.1-25.5 SEC)...0.0  
 OUTPUT AS PHASE # (0=NONE, 1-16)...0

PAGE 1: VEHICLE OVERLAP 'D' SETTINGS  
 PHASE: 12345678910111213141516  
 VEH OVL PARENTS: X X  
 VEH OVL NOT VEH: X X  
 VEH OVL NOT PED: X X  
 VEH OVL GRN EXT: X X  
 STARTUP COLOR: - RED - YELLOW - GREEN  
 FLASH COLORS: - RED - YELLOW - GREEN  
 SELECT VEHICLE OVERLAP OPTIONS: (Y/N)  
 FLASH YELLOW IN CONTROLLER FLASH?...Y  
 GREEN EXTENSION (0-255 SEC)...0.0  
 YELLOW CLEAR (0=PARENT,3-25.5 SEC)...0.0  
 RED CLEAR (0=PARENT,0.1-25.5 SEC)...0.0  
 OUTPUT AS PHASE # (0=NONE, 1-16)...0

OVERLAP PROGRAMMING COMPLETE

← NOTICE GREEN FLASH

Electrical Detail - Sheet 2 of 4

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Electrical AND PROGRAMMING DETAILS FOR: US 25 (Hendersonville Road) at Vanderbilt Park Drive

Prepared In the Offices of:

Division 13 Buncombe County Asheville

PLAN DATE: October 2016 REVIEWED BY: BAS

PREPARED BY: S. Armstrong REVIEWED BY:

REVISIONS INIT. DATE

DocuSigned by: Keith M. Mims 11/9/2016

750 N. Greenfield Pkwy, Garner, NC 27529

SIG. INVENTORY NO. 13-0741

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 13-0741  
 DESIGNED: February 2016  
 SEALED: 11/7/2016  
 REVISED: N/A

07-NOV-2016 14:48 C:\P\1301\1301\SIG\SIG\1301\1301\Sig\1301\_1301\_sml.ele xxx.dgn sarmstrong