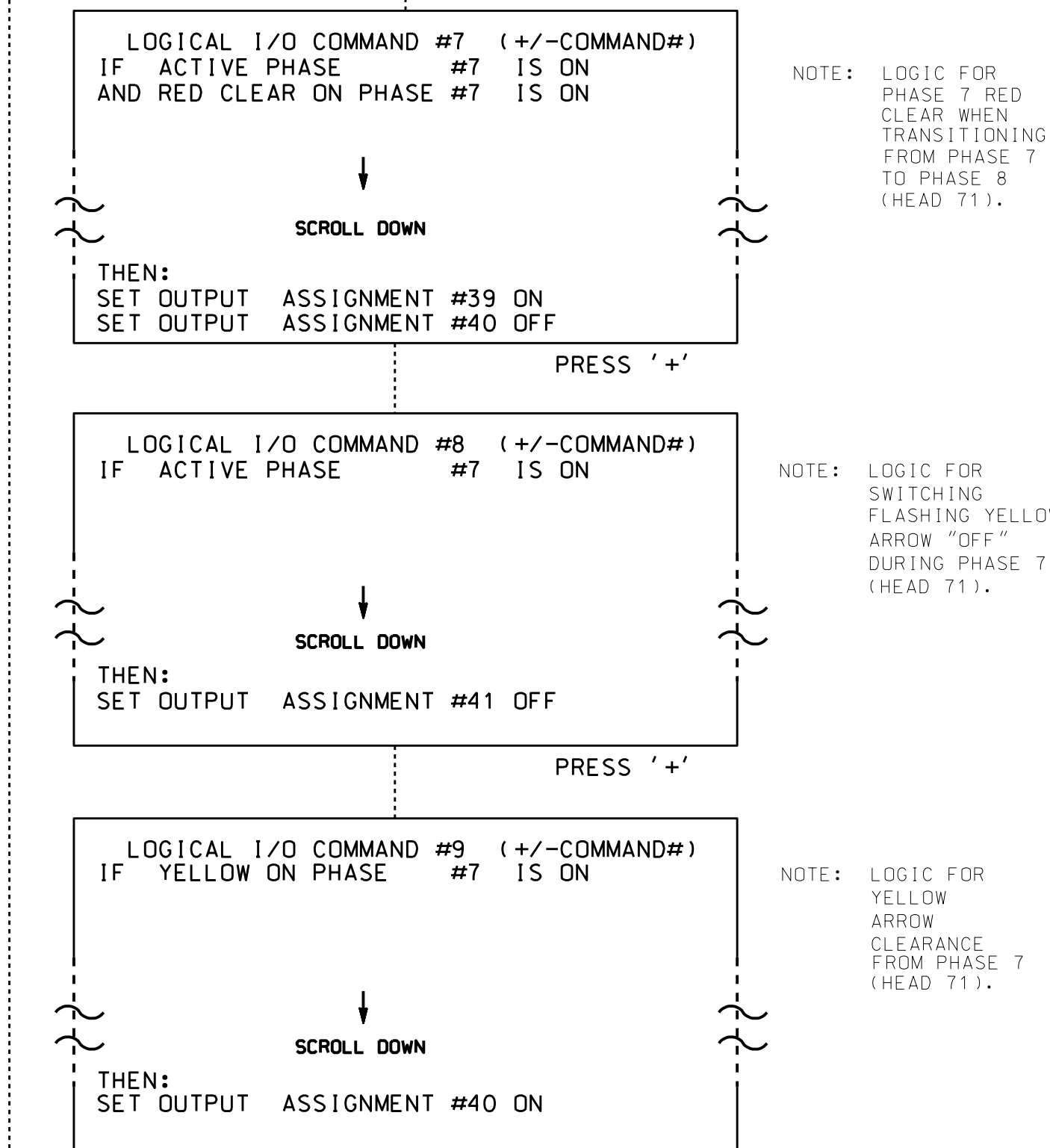
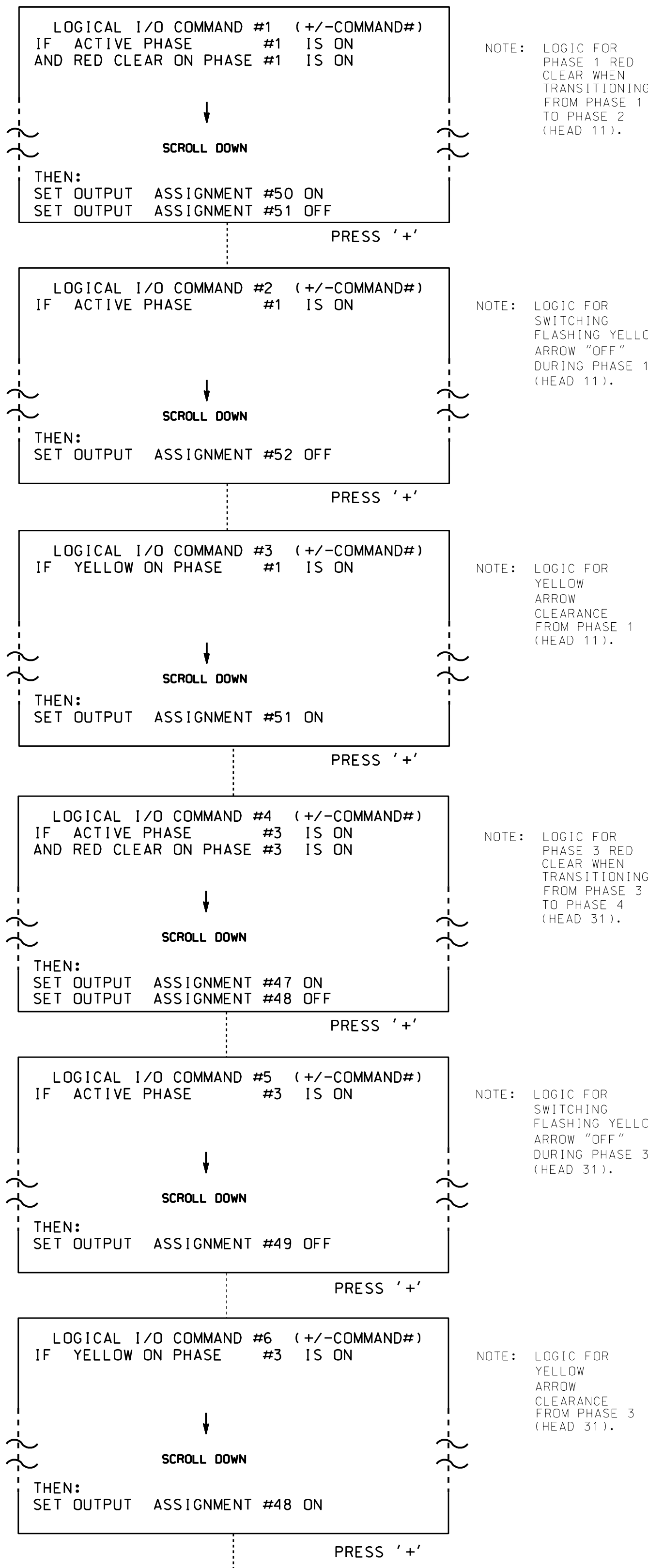


LOGICAL I/O PROCESSOR PROGRAMMING DETAIL TO PRODUCE SPECIAL FYA-PPLT SIGNAL SEQUENCE

(program controller as shown below)

1. 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, 3, 4, 5, 6, 7, 8 and 9.
2. FROM MAIN MENU PRESS '6' (OUTPUTS), THEN '3' (LOGICAL I/O PROCESSOR).



LOGIC I/O PROCESSOR PROGRAMMING COMPLETE

OUTPUT REFERENCE SCHEDULE	
USE TO INTERPRET LOGIC PROCESSOR	
OUTPUT 39 =	Overlap D Red
OUTPUT 40 =	Overlap D Yellow
OUTPUT 41 =	Overlap D Green
OUTPUT 47 =	Overlap B Red
OUTPUT 48 =	Overlap B Yellow
OUTPUT 49 =	Overlap B Green
OUTPUT 50 =	Overlap A Red
OUTPUT 51 =	Overlap A Yellow
OUTPUT 52 =	Overlap A Green

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: XX
    VEH OVL NOT VEH:
    VEH OVL NOT PED:
    VEH OVL GRN EXT:
    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
  
```

← NOTICE GREEN FLASH

```

    PAGE 1: VEHICLE OVERLAP 'B' SETTINGS
    PHASE: 12345678910111213141516
    VEH OVL PARENTS: XX
    VEH OVL NOT VEH:
    VEH OVL NOT PED:
    VEH OVL GRN EXT:
    STARTUP COLOR: - RED - YELLOW - GREEN
    FLASH COLORS: - RED - YELLOW X 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
  
```

← NOTICE GREEN FLASH

```

    PAGE 1: VEHICLE OVERLAP 'D' SETTINGS
    PHASE: 12345678910111213141516
    VEH OVL PARENTS: XX
    VEH OVL NOT VEH:
    VEH OVL NOT PED:
    VEH OVL GRN EXT:
    STARTUP COLOR: - RED - YELLOW - GREEN
    FLASH COLORS: - RED - YELLOW X 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
  
```

← NOTICE GREEN FLASH

OVERLAP PROGRAMMING COMPLETE

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.

COUNTDOWN PEDESTRIAN SIGNAL OPERATION

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.

18-MAY-2015 13:06
 S:\MIS\GIS\TIS_Signal\working\pda\sig_Maps\simmons\working Folder\Electrical Detail\09-1104-smc.ele_xxx.dgn
 bis\simmons

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 09-1104
 DESIGNED: April 2015
 SEALED: 5/7/15
 REVISED: N/A

Electrical Detail - Sheet 2 of 6

	SR 4315 (S. Main Street) at SR 2648 (Old Winston Road) / Shopping Center Driveway	SEAL
	Division 9 Forsyth County Kernersville PLAN DATE: April 2015 REVIEWED BY: T. Joyce PREPARED BY: B. SIMMONS REVIEWED BY:	REVISIONS INIT. DATE _____ _____ _____

DocuSigned by:
 George C. Brown 5/19/2015
 F12061ED08E8434 DATE
 SIG. INVENTORY NO. 09-1104