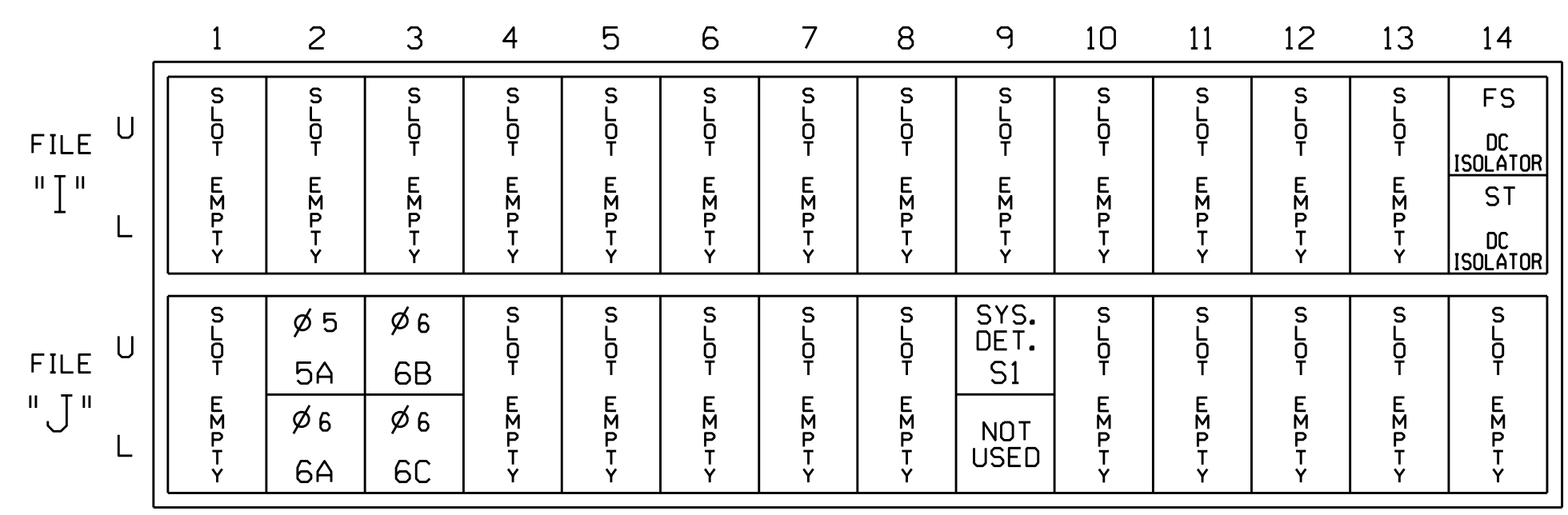


INPUT FILE POSITION LAYOUT
(front view)

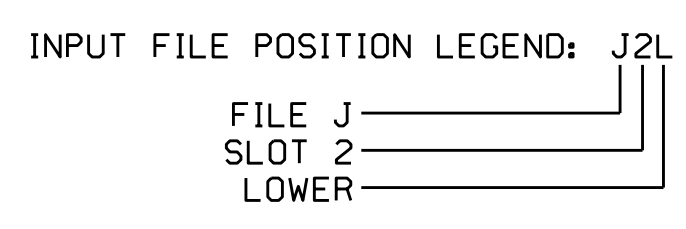


EX. : 1A, 2A, ETC. = LOOP NO.'S FS = FLASH SENSE
ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
* 5A	TB3-5,6	J2U	40	2	6	5	Y	Y	-	-	15
6A	TB3-7,8	J2L	44	6	16	6	Y	Y	-	-	-
6B	TB3-9,10	J3U	64	26	36	6	Y	Y	-	-	-
6C	TB3-11,12	J3L	77	39	46	6	Y	Y	-	-	-
**S1	TB7-9,10	J9U	59	21	15	SYS	-	-	-	-	-

* Disable delay on this loop during Alternate Phase operation (See Sheet 3 of 3).
** System detector only. Remove the vehicle phase assigned to this detector in the default programming.



OVERLAP PROGRAMMING DETAIL
(program controller as shown below)

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

PRESS '+' TWICE

```

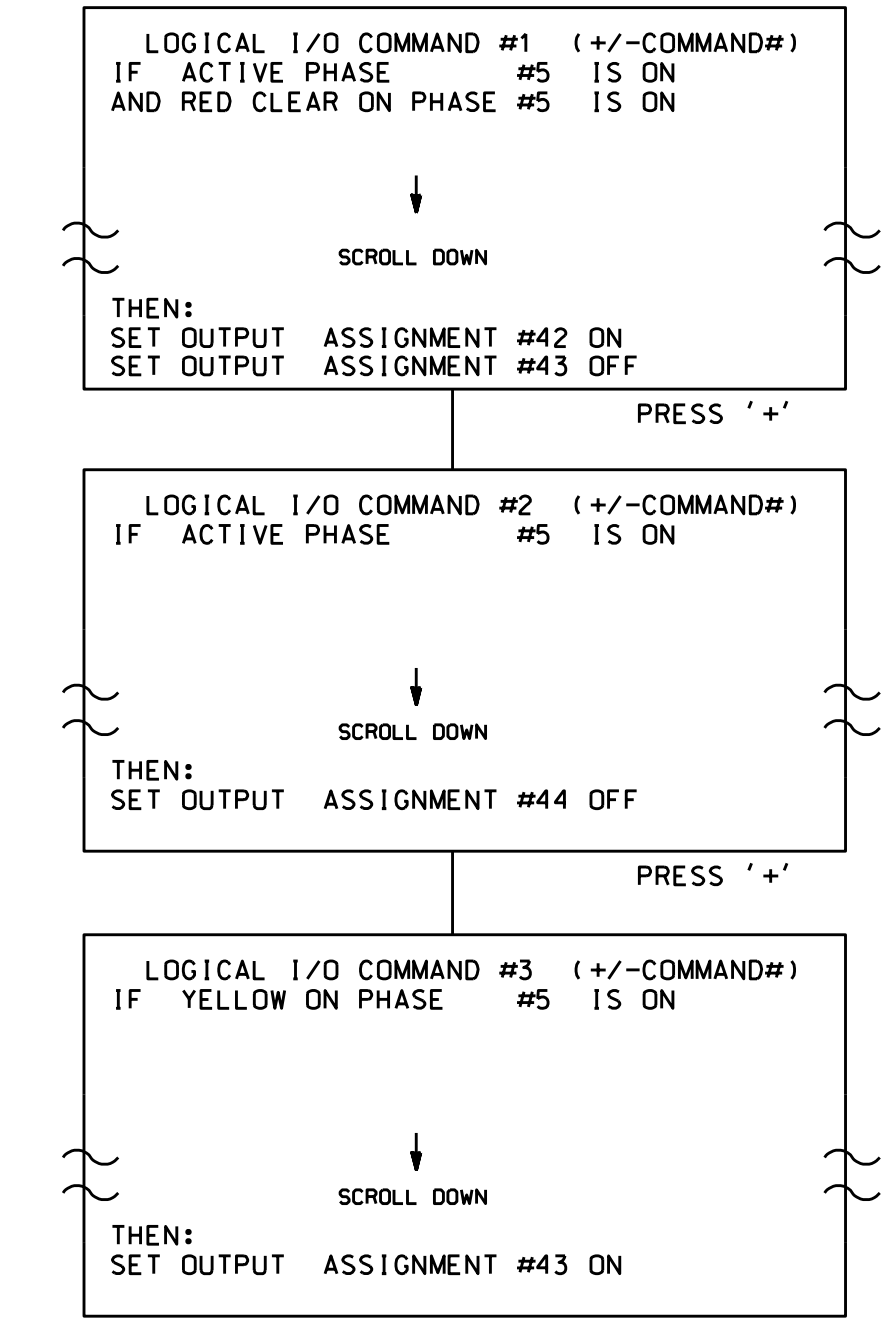
PAGE 1: VEHICLE OVERLAP 'C' SETTINGS
PHASE:      12345678910111213141516
VEH OVL PARENTS:  XX
VEH OVL NOT VEH:
VEH OVL NOT PED:
VEH OVL GRN EXT:
STARTUP COLOR:  _ RED  _ YELLOW  _ GREEN
FLASH COLORS:  _ RED  _ YELLOW  X GREEN
SELECT VEHICLE OVERLAP OPTIONS: (Y/N)
FLASH YELLOW IN CONTROLLER FLASH?...Y
GREEN EXTENSION (0=25.5 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

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 THROUGH 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 (HEADS 51 & 52).

NOTE: LOGIC FOR SWITCHING FLASHING YELLOW ARROW "OFF" DURING PHASE 5 (HEADS 51 & 52).

NOTE: LOGIC FOR YELLOW ARROW CLEARANCE FROM PHASE 5 (HEADS 51 & 52).

LOGIC I/O PROCESSOR PROGRAMMING COMPLETE

OUTPUT REFERENCE SCHEDULE

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

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THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-1013 DESIGNED: February 2008 SEALED: 5/6/2008 REVISED: 7/22/2015

Electrical Detail - Sheet 2 of 3

	ELECTRICAL AND PROGRAMMING DETAILS FOR:		US 421 (Carolina Beach Road) at Myrtle Grove North U-Turn	
	PREPARED BY: R. Hinshaw	REVIEWED BY:	DIVISION: New Hanover County	MYRTLE GROVE
PLAN DATE: February 2008		REVISIONS:		DATE: 7/23/2015
PREPARED BY: R. Hinshaw		REVIEWED BY:		DATE:
No changes to this electrical plan. (WSA)		SIGNATURE:		DATE:
750 Greenfield Pkwy, Garner, NC 27529		SEAL		DATE:

REVISION SEAL

DocuSigned by: John T. Rowe, Jr. 7/23/2015

Not a certified document as to the Original Document but only as to the Revisions - This document originally issued and sealed by F. Royal Hinshaw, #032117, on 5/6/08. This document is only certified as to the revisions.

SIG. INVENTORY NO. 03-1013