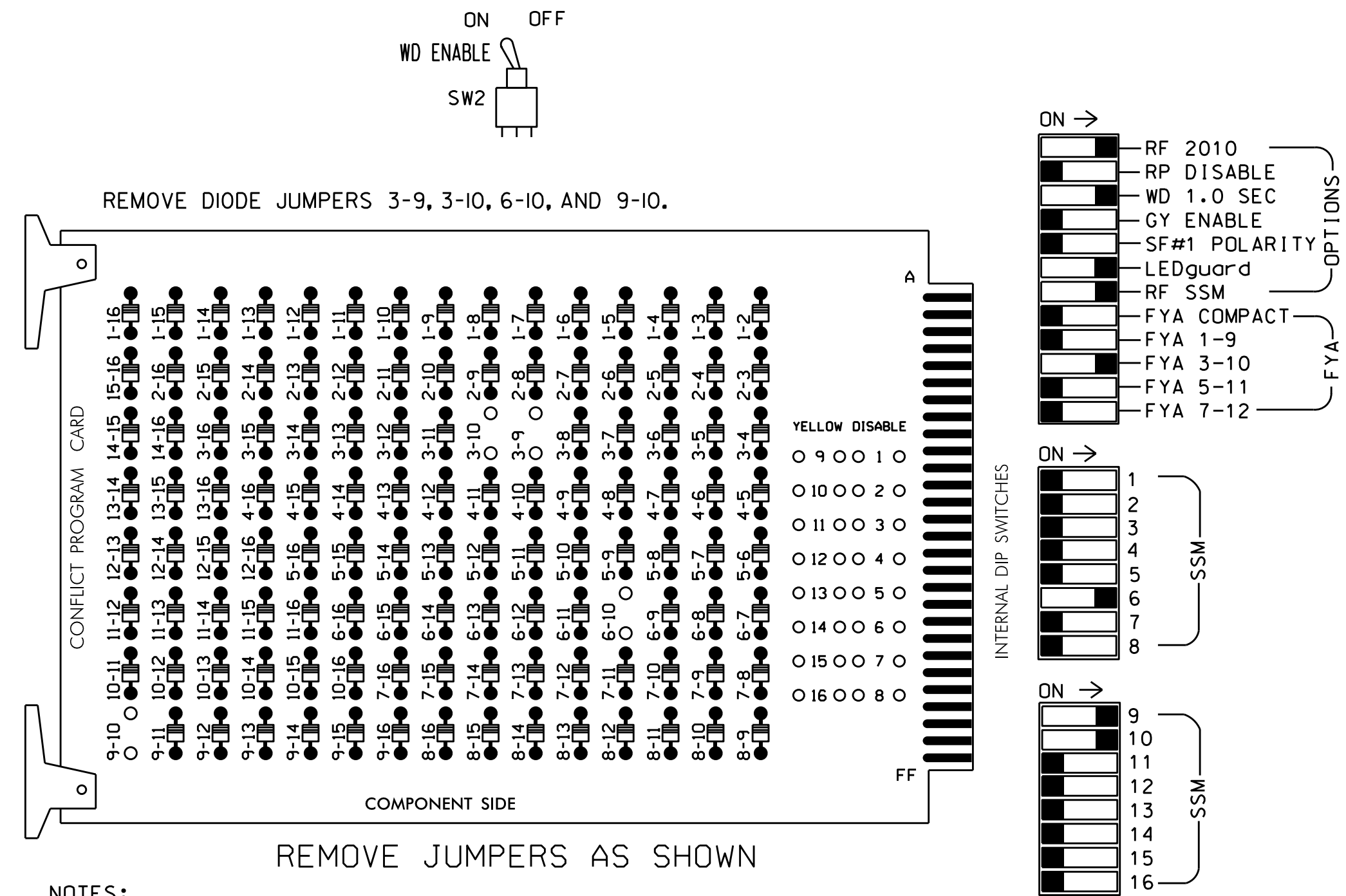


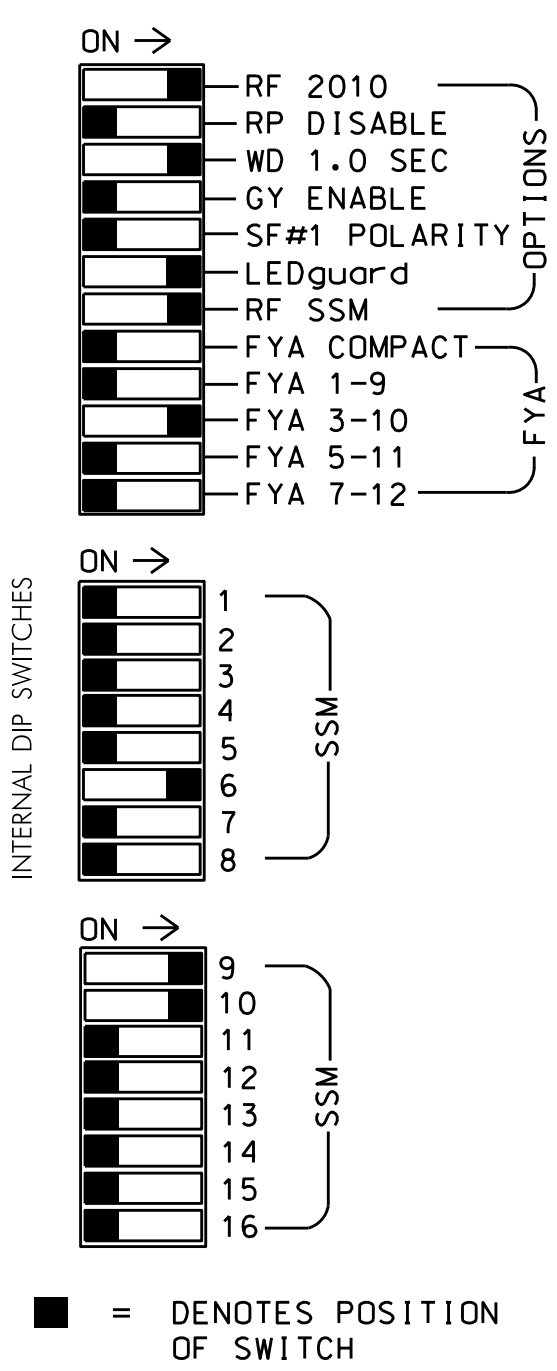
EDI MODEL 2010ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



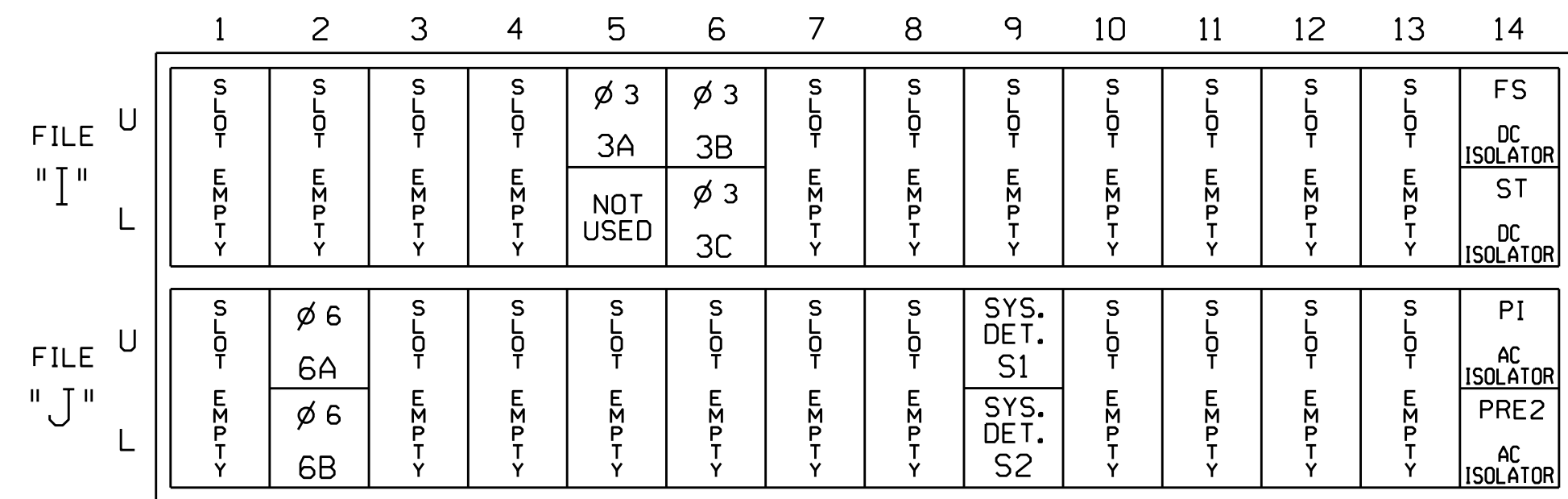
NOTES:

- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
- Make sure jumpers SEL2-SEL5 are present on the monitor board.



INPUT FILE POSITION LAYOUT

(front view)



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

FS = FLASH SENSE
ST = STOP TIME
PI = PREEMPT INTERFACE WITH 03-1021
PRE = PREEMPT

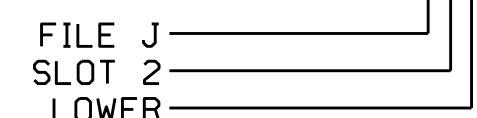
INPUT FILE CONNECTION & PROGRAMMING CHART

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
3A	TB4-5,6	I5U	58	20	3	3	Y	Y	-	-	10
	-	I5U	58	20 *	3	3	Y	Y	-	-	-
3B	TB4-9,10	I6U	41	3	4	3	Y	Y	-	-	15
3C	TB4-11,12	I6L	45	7	14	3	Y	Y	-	-	15
6A	TB3-5,6	J2U	40	2	6	6	Y	Y	-	-	-
6B	TB3-7,8	J2L	44	6	16	6	Y	Y	-	-	-
*S1	TB7-9,10	J9U	59	21	15	SYS	-	-	-	-	-
*S2	TB7-11,12	J9L	61	23	17	SYS	-	-	-	-	-

* See Input Page 2 Assignment programming details on sheet 5.

* System detector only. Remove the vehicle phase assigned to this detector in the default programming.

INPUT FILE POSITION LEGEND: J2L



NOTES

- To prevent "flash-conflict" problems, insert red flash program blocks for all unused vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the Signal Plans.
- To prevent red failures on unused monitor channels, see Red Monitor Board Programming Detail this sheet.
- Enable Simultaneous Gap-Out for all phases.
- Program phase 6 for Variable Initial and Gap Reduction.
- Program phase 6 for Start Up In Green.
- Program phase 6 for Yellow Flash.
- The cabinet and controller are part of the Wilmington Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....EAGLE TYPE 2070L
CABINET.....McCAIN/CONTROL TECHNOLOGIES (DWG.NO.9500-332-NC DOT)
SOFTWARE.....ECONOLITE OASIS V. 3.02.20 OR LATER
CABINET MOUNT.....BASE
OUTPUT FILE POSITIONS..18 (12-STD, 6-AUX)
LOAD SWITCHES USED.....S2P*,S3,S6,S9,S10
PHASES USED.....3,4**,6
OVERLAP A.....3+4
OVERLAP B.....3+6
OVERLAP C.....NOT USED
OVERLAP D.....NOT USED

* S2P used for Fire Station Pilot Lamp control.
** Phase 4 used in Preempt only.

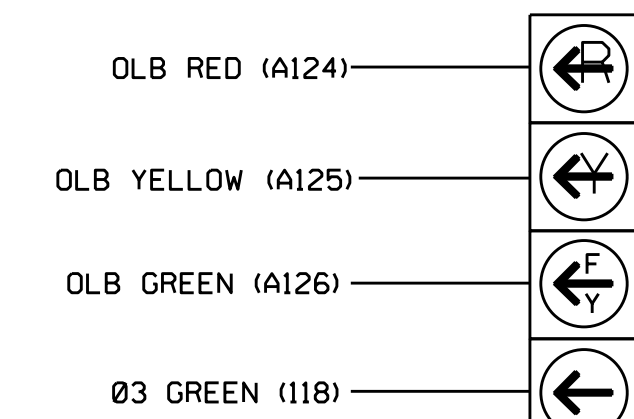
SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P	S9	S10	S11	S12	S13	S14
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	NU	NU	**	31*	NC	NU	NU	61,62	NU	NU	NU	NU	32,33	31*	NU	NU	NU	NU
RED								134					A121					
YELLOW			*					135										
GREEN								136										
RED ARROW														A124				
YELLOW ARROW													A122	A125				
FLASHING YELLOW ARROW													A126					
GREEN ARROW				118									A123					

NU = Not Used
NC = No connection; phase used for timing only.
* Denotes install load resistor. See load resistor installation detail this sheet.
** Denotes S2P-Y used to control firehouse preempt indicator lamp. See Sheet 2 of this electrical detail.
* See pictorial of head wiring in detail below.

4 SECTION FYA PPLT SIGNAL WIRING DETAIL

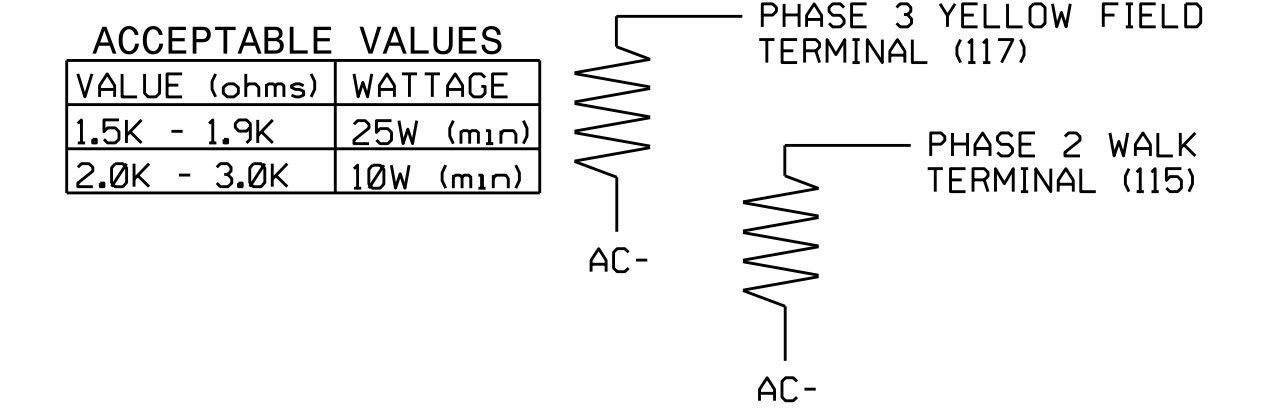
(wire signal heads as shown)



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NOTE: The sequence display for these signals requires special logic programming. See sheet 4 of 5 for programming instructions.

LOAD RESISTOR INSTALLATION DETAIL



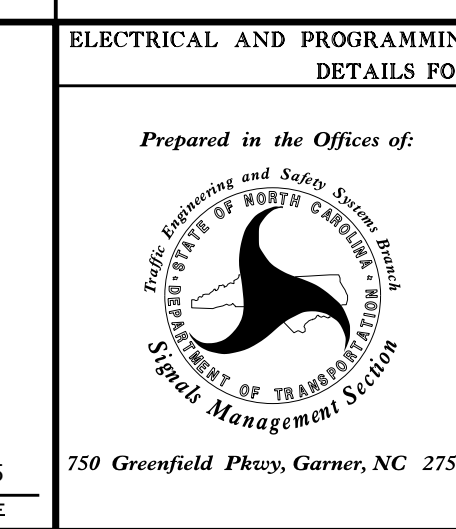
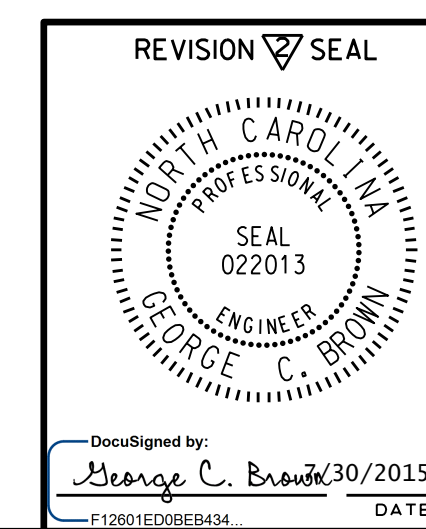
PREEMPT ONLY PHASE OMIT NOTE

(program controller as shown below)

From Main Menu press '2' (Phase Control), Then '1' (Phase Control Functions), Program Phase 4 for 'Omit Phase' and Phases 3 and 6 for 'Startup Calls'. This is to prevent Phase 4 from being served when not in Preempt.

Electrical Detail - Sheet 1 of 5

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-0753
DESIGNED: March 2008
SEALED: 7/29/2008
REVISED1: 12/22/14
REVISED2: 7/22/15



ELECTRICAL AND PROGRAMMING DETAILS FOR:		US 421 (Carolina Beach Road) at SR 2501 (Service Road) / Fire Dept.	
Division 3	New Hanover County	Myrtle Grove	
PLAN DATE: March 2008	REVIEWED BY:		
PREPARED BY: R. Hinshaw	REVIEWED BY:		
REVISIONS	INIT.	DATE	
1	DSR	2/6/09	
No change to Electrical detail. CES 7/14/15			

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 8-12-08. This document is only certified as to the revisions.

SIGNATURE: _____ DATE: _____
SIG. INVENTORY NO. 03-0753