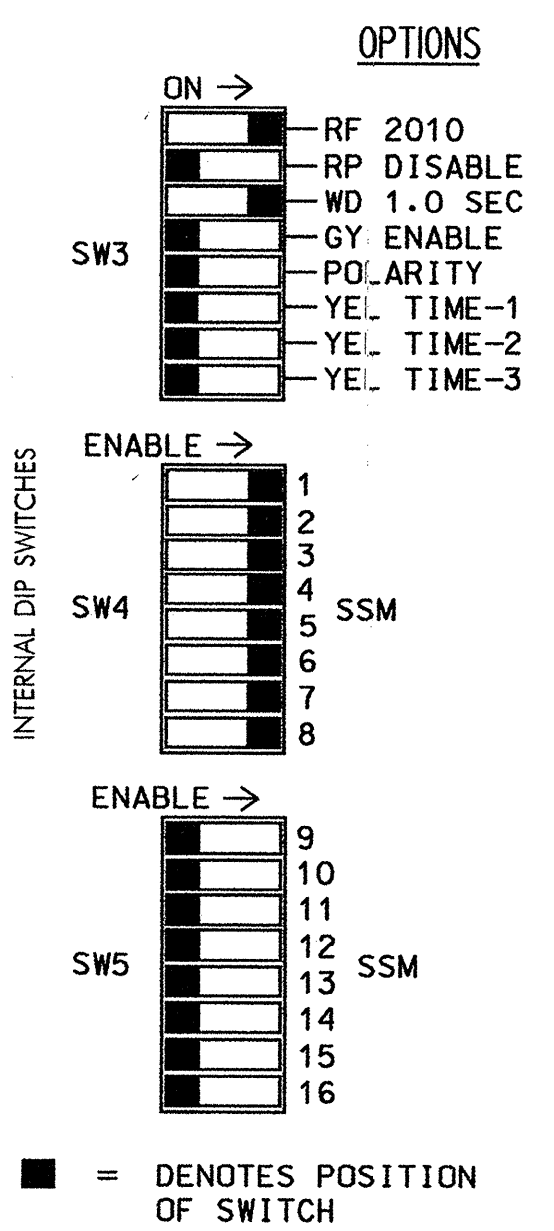
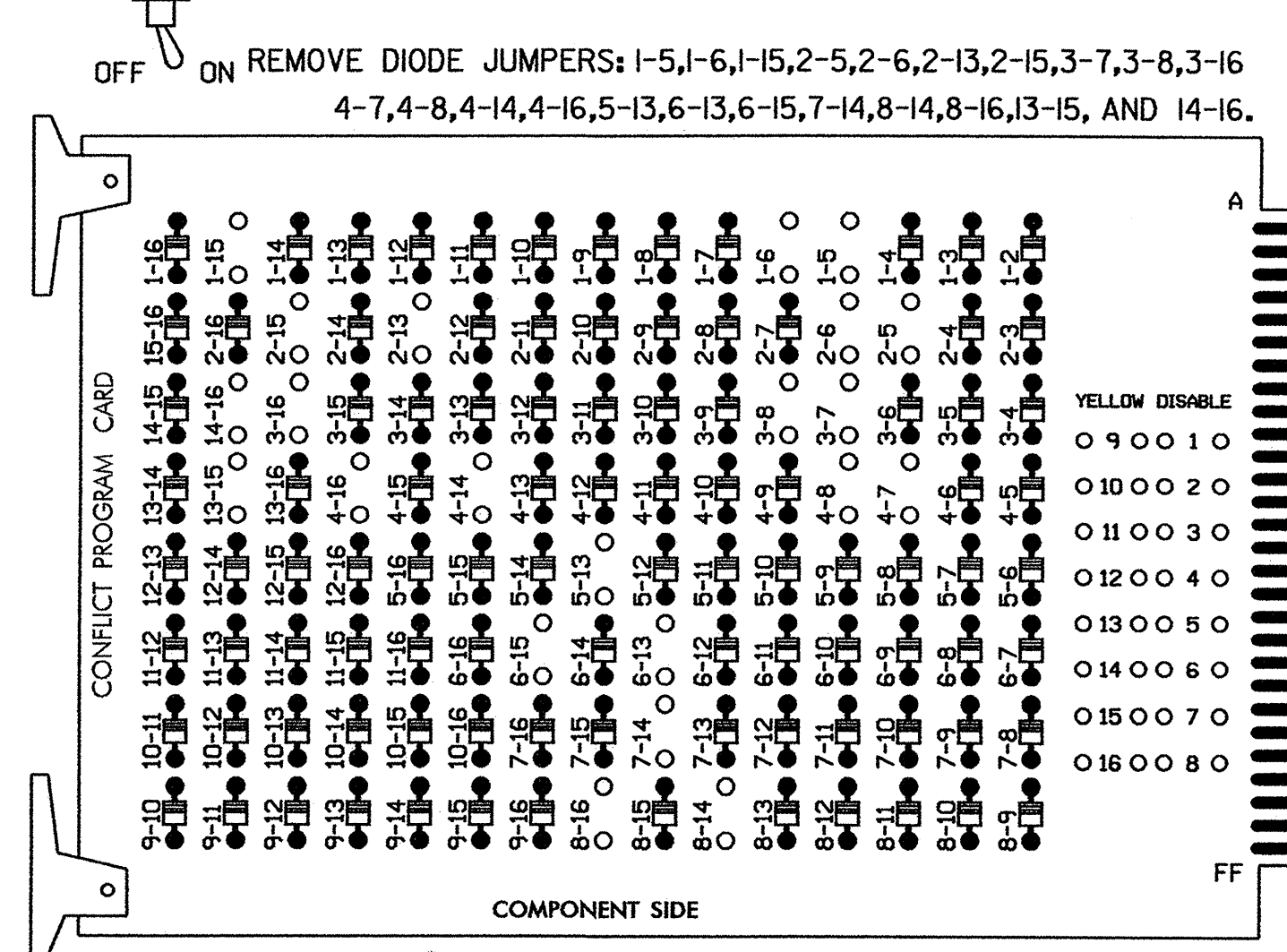


**EDI MODEL 2010ECL CONFLICT MONITOR**

**PROGRAMMING DETAIL**  
(remove jumpers and set switches as shown)



REMOVE JUMPERS 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 SEL1-SEL5 ARE PRESENT ON THE MONITOR BOARD.

**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.
- ENSURE THAT RED ENABLE IS ACTIVE AT ALL TIMES DURING NORMAL OPERATION. TO PREVENT RED FAILURES ON UNUSED MONITOR CHANNELS, TIE UNUSED RED MONITOR INPUTS 9,10, 11,12,13,14,15 & 16 TO LOAD SWITCH AC+ PER THE CABINET MANUFACTURER'S INSTRUCTIONS.
- PROGRAM CONTROLLER TO START UP IN PHASES 2 AND 6 GREEN.
- ENABLE SIMULTANEOUS GAP-OUT FEATURE, ON CONTROLLER UNIT, FOR ALL PHASES.
- PROGRAM PHASES 2 AND 6, ON CONTROLLER UNIT, FOR VARIABLE INITIAL AND GAP REDUCTION.
- PROGRAM PHASES 2, 4, 6 AND 8 FOR 'STARTUP PED CALL'.
- THE CABINET AND CONTROLLER ARE PART OF THE HOPE MILLS CLOSED LOOP SYSTEM.

**EQUIPMENT INFORMATION**

CONTROLLER.....CONTRACTOR SUPPLIED 2070L  
 CABINET .....CONTRACTOR SUPPLIED 332  
 SOFTWARE .....ECONOLITE OASIS  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...12  
 LOAD SWITCHES USED.....S1,S2,S2P,S3,S4,S4P,S5,  
 S6,S6P,S7,S8,S8P  
 PHASES USED.....1,2,2PED,3,4,4PED,  
 5,6,6PED,7,8,8PED  
 OVERLAPS.....NONE

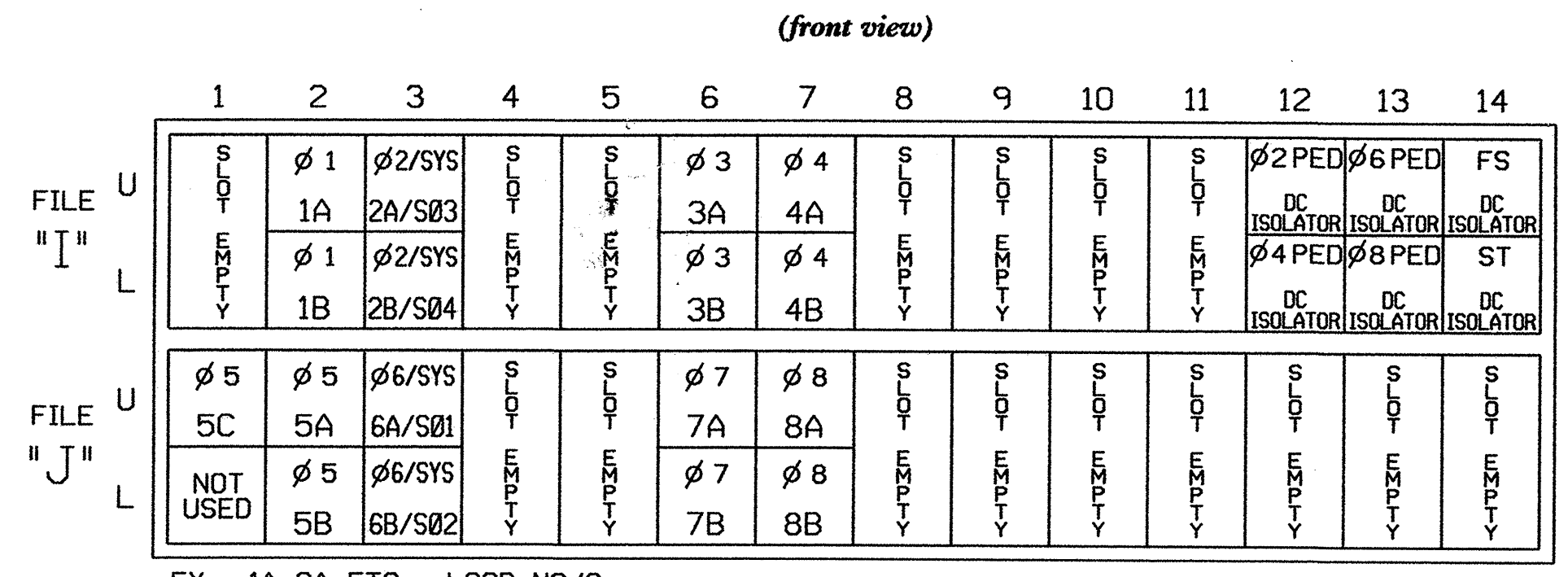
**FIELD CONNECTION HOOK-UP CHART**

LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P			
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED			
SIGNAL HEAD NO.	11	82	21,22	P21, P22	31,32	41,42	P41, P42	42	51,52	61,62	P61, P62	62	71,72	81,82	P81, P82
GREEN			130		103			136				109			
YELLOW			129		102			135				108			
RED			128		101			134				107			
RED ARROW	125				116			131				122			
YELLOW ARROW	126	126			117		132	132			123	123			
GREEN ARROW	127	127			118		133	133			124	124			
					115		106			121					112
					113		104			119					110

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0455  
 DESIGNED: JULY 2006  
 SEALED: 8/10/06  
 REVISED: NA

THIS DETAIL SUPERSEDES DETAIL DATED NOV 03 AND SEALED 11/403

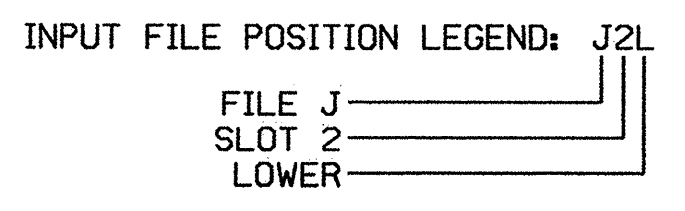
**INPUT FILE POSITION LAYOUT**



**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
1A	TB2-5,6	I2U	39	1	2	1	Y	Y			
1B	TB2-7,8	I2L	43	5	12	1	Y	Y			15
2A/S03	TB2-9,10	I3U	63	25	32	2/SYS	Y	Y			
2B/S04	TB2-11,12	I3L	76	38	42	2/SYS	Y	Y			
3A	TB4-9,10	I6U	41	3	4	3	Y	Y			
3B	TB4-11,12	I6L	45	7	14	3	Y	Y			
4A	TB6-1,2	I7U	65	27	34	4	Y	Y			
4B	TB6-3,4	I7L	78	40	44	4	Y	Y			
5C	TB3-1,2	J1U	55	17	5	5	Y	Y			15
5A	TB3-5,6	J2U	40	2	6	5	Y	Y			
5B	TB3-7,8	J2L	44	6	16	5	Y	Y			
6A/S01	TB3-9,10	J3U	64	26	36	6/SYS	Y	Y			
6B/S02	TB3-11,12	J3L	77	39	46	6/SYS	Y	Y			
7A	TB5-9,10	J6U	42	4	8	7	Y	Y			
7B	TB5-11,12	J6L	46	8	18	7	Y	Y			
8A	TB7-1,2	J7U	66	28	38	8	Y	Y			
8B	TB7-3,4	J7L	79	41	48	8	Y	Y			
PED PUSH BUTTONS											
P21,P22	TB8-4,6	I12U	67	29	PED 2	2 PED					
P41,P42	TB8-5,6	I12L	69	31	PED 4	4 PED					
P61,P62	TB8-7,9	I13U	68	30	PED 6	6 PED					
P81,P82	TB8-8,9	I13L	70	32	PED 8	8 PED					

NOTE:  
 INSTALL DC ISOLATORS IN INPUT FILE SLOTS 112 AND 113.



**SIGNAL UPGRADE: FINAL DESIGN**

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared in the Offices of:

122 N. McDowell St., Raleigh, NC 27603

**HOPE MILLS BYPASS/ SR 1363 (ELK ROAD) AT SR 1132 (LEGION ROAD)**

DIVISION 6 CUMBERLAND COUNTY HOPE MILLS

PLAN DATE: AUGUST 2006 REVIEWED BY: D.T. JOYCE

PREPARED BY: A. MASTIEWICZ REVIEWED BY:

REVISIONS

REVISIONS	INIT.	DATE

SEAL

Signature: *George C. Brown*  
 DATE: \_\_\_\_\_  
 SIG. INVENTORY NO. 06-0455

10-AUG-2006 12:02  
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