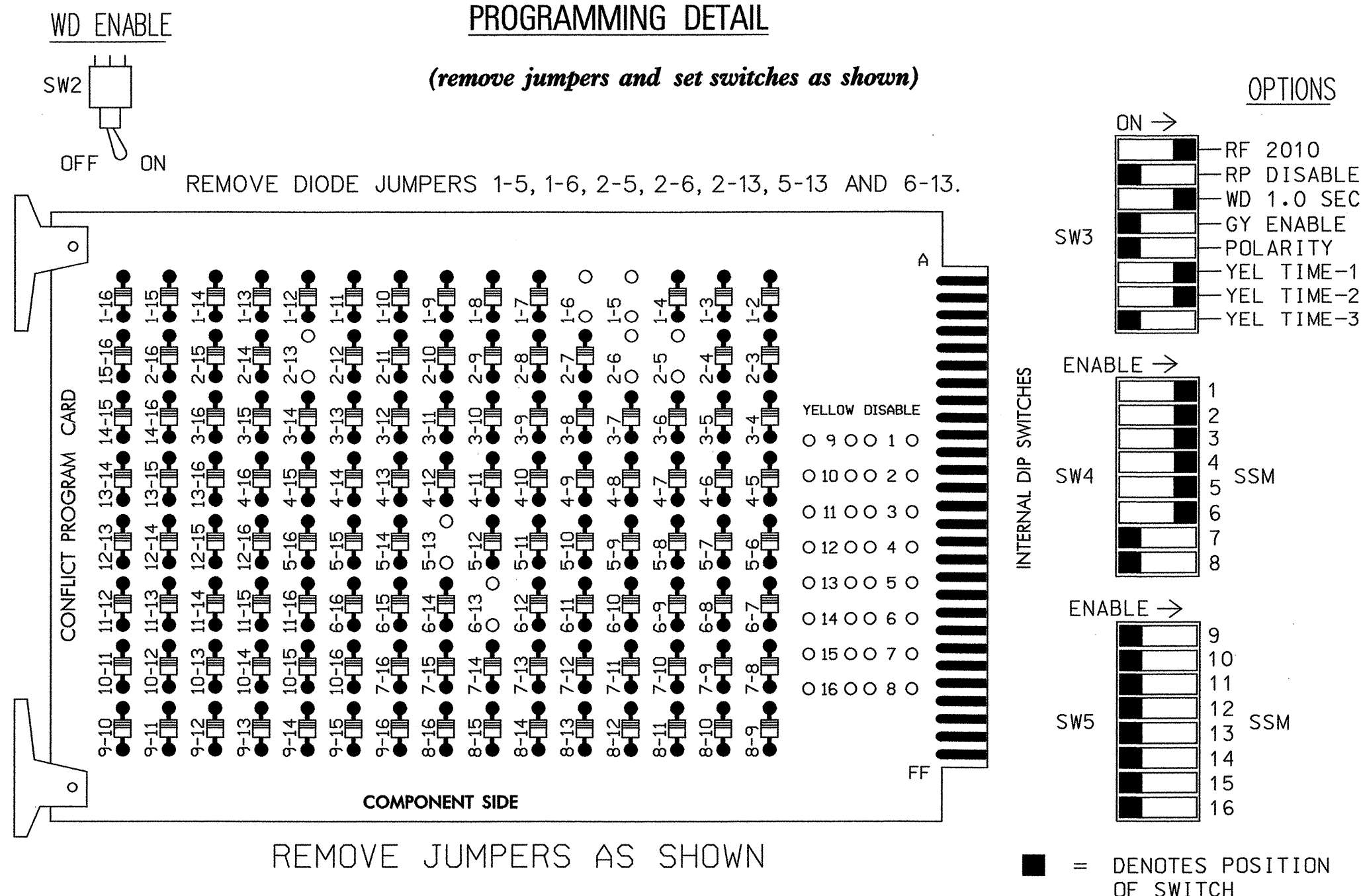


EDI MODEL 2010ECL CONFLICT MONITOR

PROGRAMMING DETAIL



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 7,8,9,10,11,12,13,14,15 & 16 TO LOAD SWITCH AC+ PER 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.
- THE CONTROLLER AND CABINET ARE TO BE PROGRAMMED AND WIRED TO BE PART OF A CLOSED LOOP SIGNAL SYSTEM. CONTROLLER ASSET: 0895
- PROGRAM PHASE 2 FOR 'START-UP PED CALLS'.

EQUIPMENT INFORMATION

CONTROLLER.....CONTRACTOR SUPPLIED 2070L
 CABINETCONTRACTOR SUPPLIED 332
 SOFTWAREECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...12
 LOAD SWITCHES USED.....S1,S2,S2P,S3,S4,S5,S6
 PHASES USED.....1,2,2PED,3,4,5,6
 OVERLAPS.....NONE

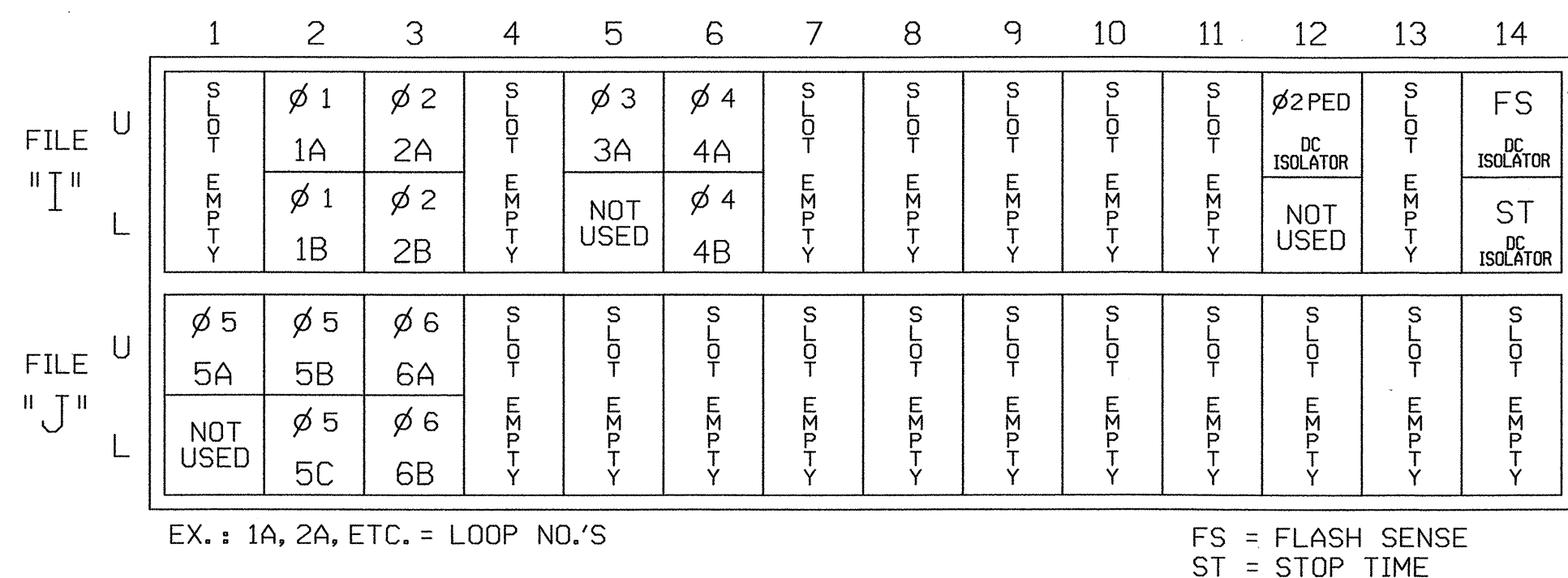
FIELD CONNECTION HOOK-UP CHART

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	32	21,22	P21, P22	22	31	32	41	42	62	NU	42	51,52	61,62	NU	NU	NU	NU	
GREEN			13Ø		118	118	1Ø3	1Ø3						136					
YELLOW			129		117	117	1Ø2	1Ø2						135					
RED			128		116	116	1Ø1	1Ø1						134					
RED ARROW	125															131			
YELLOW ARROW	126	126		117					1Ø2			132	132						
GREEN ARROW	127	127		118	118		1Ø3	1Ø3				133	133						
																		115	
																			113

NU = NOT USED

INPUT FILE POSITION LAYOUT

(front view)



INPUT FILE CONNECTION & PROGRAMMING CHART

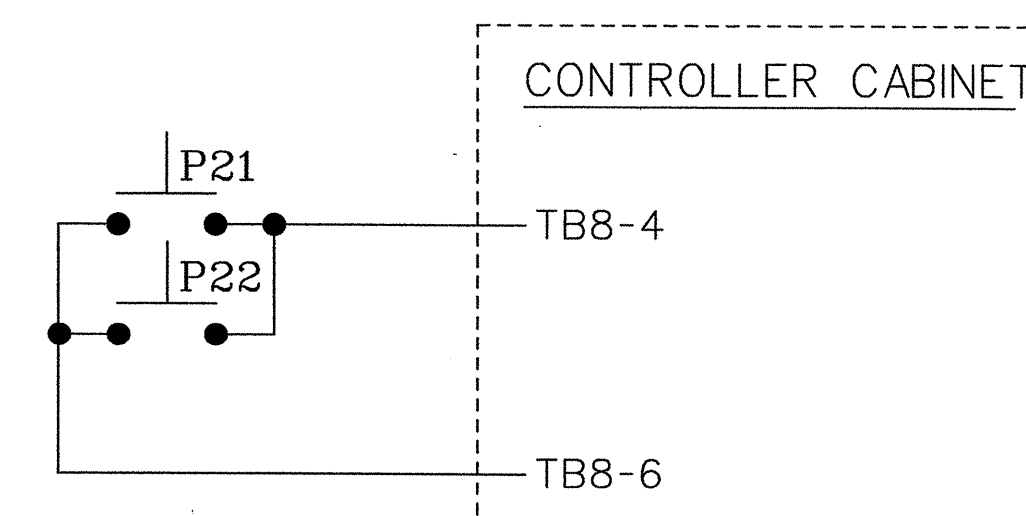
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
1A	TB2-5,6	I2U	39	1	2	1	Y	Y	-	---	---
1B	TB2-7,8	I2L	43	5	12	1	Y	Y	-	---	15
2A	TB2-9,10	I3U	63	25	32	2	Y	Y	-	---	---
2B	TB2-11,12	I3L	76	38	42	2	Y	Y	-	---	---
3A	TB4-5,6	I5U	58	2Ø	3	3	Y	Y	-	---	---
4A	TB4-9,10	I6U	41	3	4	4	Y	Y	-	---	---
4B	TB4-11,12	I6L	45	7	14	4	Y	Y	-	---	---
5A	TB3-1,2	J1U	55	17	5	5	Y	Y	-	---	---
5B	TB3-5,6	J2U	4Ø	2	6	5	Y	Y	-	---	---
5C	TB3-7,8	J2L	44	6	16	5	Y	Y	-	---	15
6A	TB3-9,10	J3U	64	26	36	6	Y	Y	-	---	---
6B	TB3-11,12	J3L	77	39	46	6	Y	Y	-	---	---

NOTE:
INSTALL DC ISOLATORS
IN INPUT FILE SLOT I12.

INPUT FILE POSITION LEGEND: J2L
FILE J
SLOT 2
LOWER

PEDESTRIAN PUSH-BUTTON WIRING DETAIL

(wire push-buttons as shown below)



NOTE: PROGRAM PED HEADS PER MANUFACTURER'S INSTRUCTIONS TO COUNTDOWN THE PED INTERVAL CLEARANCE ONLY.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-0895
 DESIGNED: SEPTEMBER 2003
 SEALED: 1/7/2004
 REVISED: TBD

SEPI ENGINEERING GROUP

2300 Rexwoods Drive
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Tel:919-789-9977 Fax:789-9591

SIGNAL UPGRADE - FINAL DESIGN

ELECTRICAL AND PROGRAMMING DETAILS FOR:

SR 1409 (MILITARY CUTOFF ROAD)
AT
FORUM SHOPPING CENTER AND MAYFAIR ACCESS F

PREPARED BY: M W YALCH
REVIEWED BY: J O DEATON

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
JAMES O. DEATON
07438

1/11/04

SIG. INVENTORY NO. 03-0895