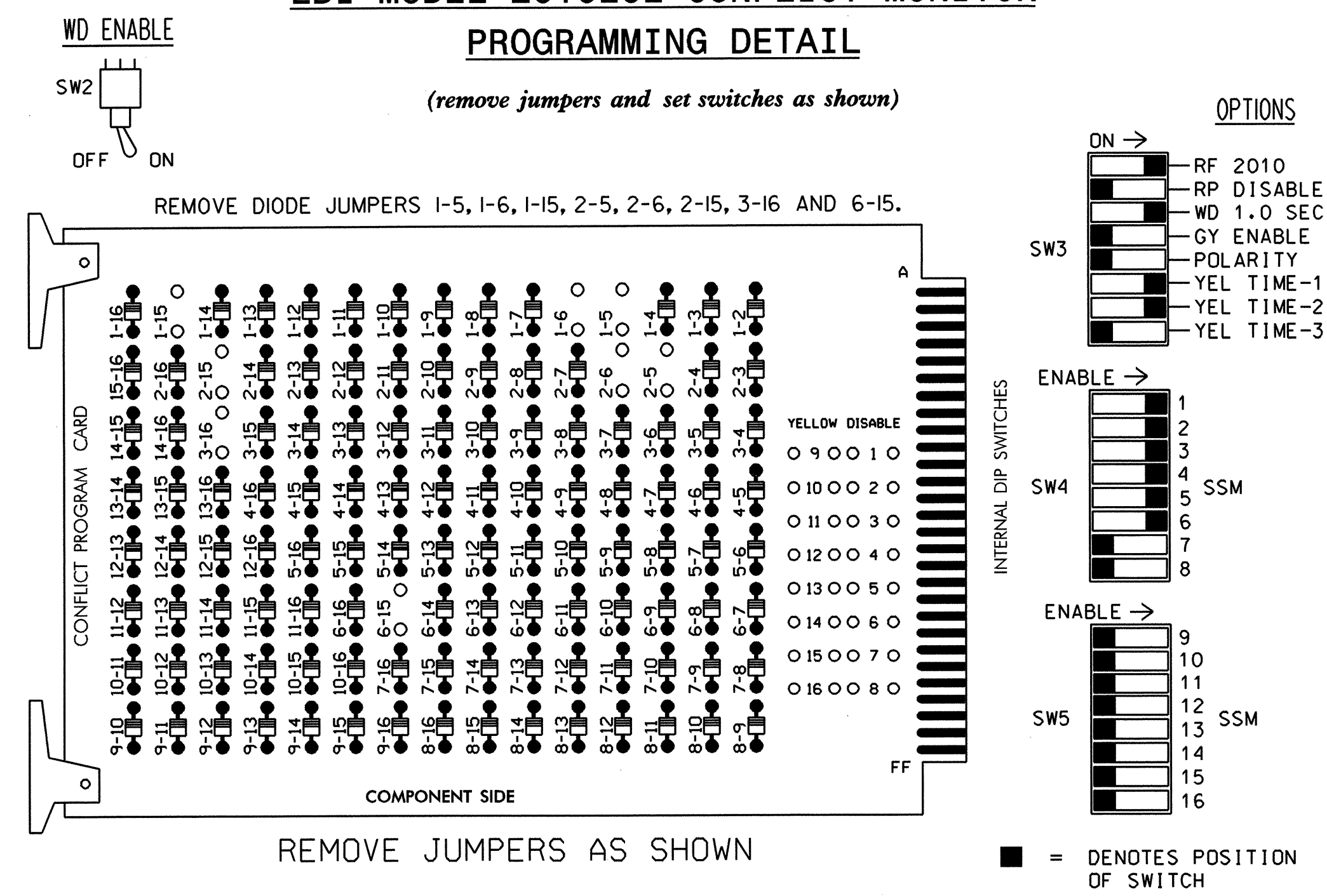
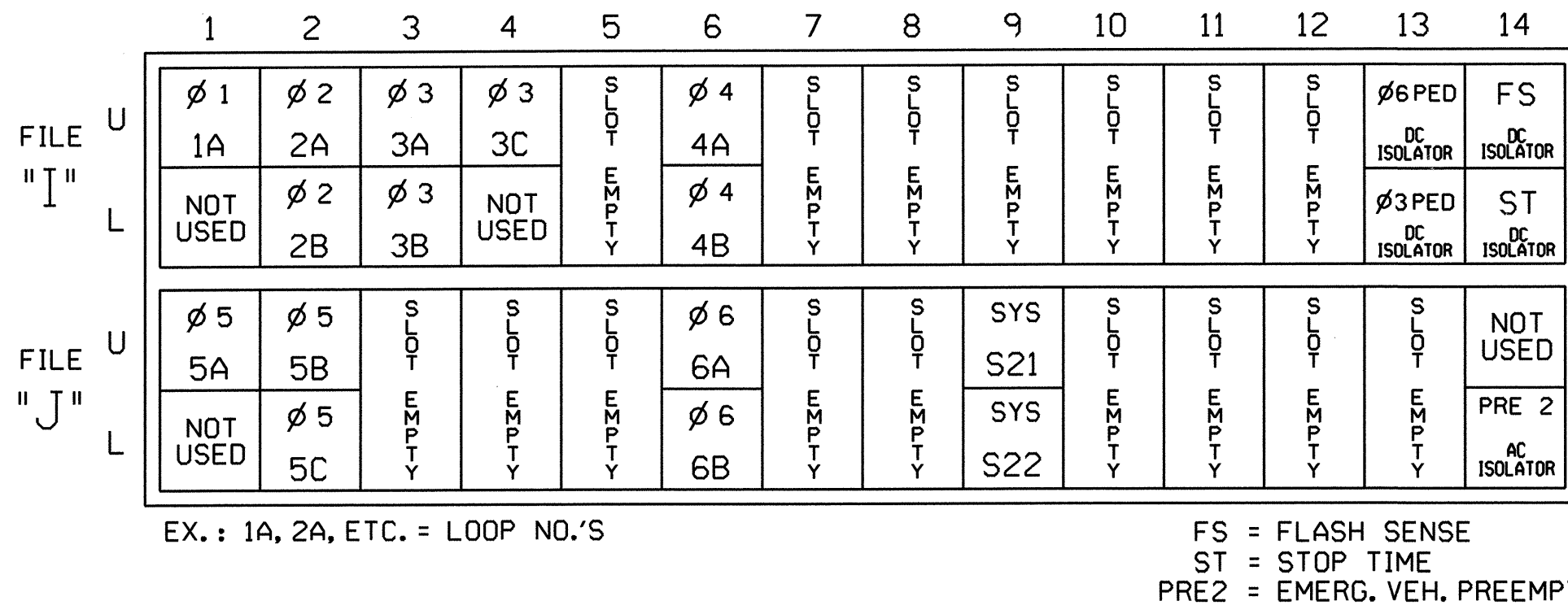


EDI MODEL 2010ECL CONFLICT MONITOR PROGRAMMING DETAIL



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	TB2-1,2	I1U	56	18	1	1	Y	Y	-	---	3
2A	TB2-5,6	I2U	39	1	2	2	Y	Y	-	---	--
2B	TB2-7,8	I2L	43	5	12	2	Y	Y	-	---	--
3A	TB2-9,10	I3U	63	25	32	3	Y	Y	-	---	3
3B	TB2-11,12	I3L	76	38	42	3	Y	Y	-	---	--
3C	TB4-1,2	I4U	47	9	22	3	Y	Y	-	---	--
4A	TB4-9,10	I6U	41	3	4	4	Y	Y	-	---	3
4B	TB4-11,12	I6L	45	7	14	4	Y	Y	-	---	10
5A	TB3-1,2	J1U	55	17	5	5	Y	Y	-	---	3
5B	TB3-5,6	J2U	40	2	6	5	Y	Y	-	---	--
5C	TB3-7,8	J2L	44	6	16	5	Y	Y	-	---	15
6A	TB5-9,10	J6U	42	4	8	6	Y	Y	-	---	--
6B	TB5-11,12	J6L	46	8	18	6	Y	Y	-	---	--
* S21	TB7-9,10	J9U	59	21	15	SYS	-	-	-	---	--
* S22	TB7-11,12	J9L	61	23	17	SYS	-	-	-	---	--

NOTE: INSTALL DC ISOLATORS IN INPUT FILE SLOT 113.

INPUT FILE POSITION LEGEND: J2L

FILE J
 SLOT 2
 LOWER

* SYSTEM DETECTOR ONLY. REMOVE THE VEHICLE PHASE ASSIGNED TO THIS DETECTOR IN THE DEFAULT PROGRAMMING.

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 # 0284. MASTER ASSET # 11304
- IN CONTROL PANEL MENU, PROGRAM START-UP PED CALLS FOR PED3 AND PED6. SEE PED3 PROGRAMMING DETAIL THIS PAGE.

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	3 PED	
SIGNAL HEAD NO.	11	21,22	NU	31,32 33,34	62	41 42	NU	51,52 34	61,62	P61, P62	NU	NU	P31, P32
GREEN		130		118	103	103			136				
YELLOW		129		117	102	102			135				
RED		128		116	101	101			134				
RED ARROW	125			116				131					
YELLOW ARROW	126			117	117			132 132					
GREEN ARROW	127			118	118	103		133 133					
											121	112	
											119	110	

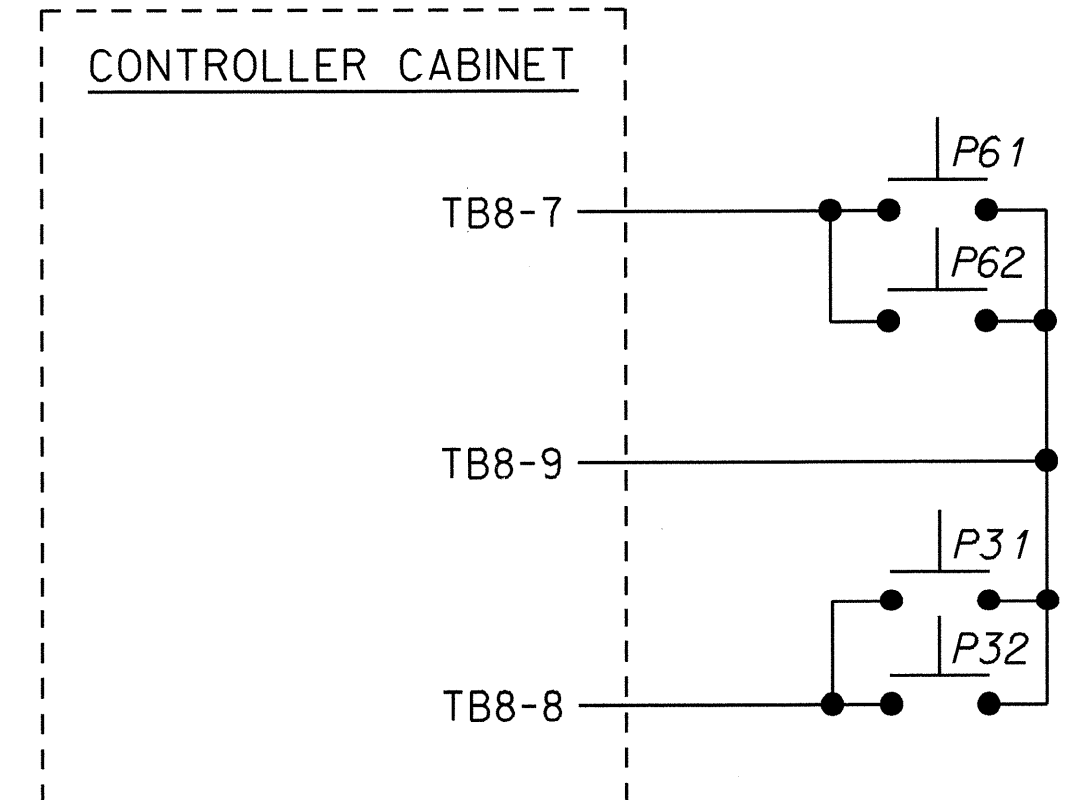
NU = NOT USED

EQUIPMENT INFORMATION

CONTROLLER.....CONTRACTOR SUPPLIED 2070L
 CABINETCONTRACTOR SUPPLIED 332
 SOFTWAREECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...12
 LOAD SWITCHES USED.....S1,S2,S3,S4,S5,S6,S6P,S8P
 PHASES USED.....1,2,3,3PED,4,5,6,6PED
 OVERLAPS.....NONE

PEDESTRIAN PUSH-BUTTON WIRING DETAIL

(wire push-buttons as shown below)



PED 3 PROGRAMMING DETAIL

(program controller as shown below)

CHANGING OUTPUT ASSIGNMENTS

- FROM MAIN MENU SELECT '6' (OUTPUTS), THEN '1' (OUTPUT ASSIGNMENTS)
- ENTER 17 (PHASE 8 DW) FOR OUTPUT ASSIGNMENT # (C1 PIN: 19)
- SCROLL DOWN TO 'PEDESTRIAN PHASE' AND ENTER 'Y' REGARDLESS OF DEFAULT PROGRAMMING
- ENTER '3' FOR 'SELECT PEDESTRIAN PHASE'. NO CHANGE NEEDED FOR 'SELECT COLOR'
- BACKUP TO 'OUTPUT ASSIGNMENTS AND SETTINGS MENU:' BY PRESSING THE 'ESC' BUTTON ON KEYBOARD.
- SELECT '1' (OUTPUT ASSIGNMENTS)
- ENTER 18 (PHASE 8 W) FOR OUTPUT ASSIGNMENT # (C1 PIN 20)
- REPEAT STEPS # 3 AND # 4.

CHANGING INPUT ASSIGNMENTS

- FROM MAIN MENU SELECT '7' (DETECTORS), THEN '2' (PEDESTRIAN DETECTOR ASSIGNMENTS)
- CYCLE TO PED DETECTOR #8 BY REPEATEDLY DEPRESSING '+' KEY
- MODIFY PHASE ASSIGNED TO PED DETECTOR # 8 FROM PHASE 8 TO PHASE 3

PROGRAMMING COMPLETE

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 13-0284
 DESIGNED: 02/15/2003
 SEALED: 02/26/2004
 REVISED: TBD

SIGNAL UPGRADE - FINAL PAGE 1 OF 2

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ELECTRICAL AND PROGRAMMING DETAILS FOR:
 US 25 (HENDERSONVILLE ROAD) AT NC 146 (LONG SHOALS ROAD)
 DIVISION 13 BUNCOMBE COUNTY ASHEVILLE
 PLAN DATE: JULY 2003 REVIEWED BY: J O DEATON
 PREPARED BY: M W YALCH REVIEWED BY:
 REVISIONS: INIT. DATE
 SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 07438
 JAMES O. DEATON
 SIGNATURE DATE
 SIG. INVENTORY NO. 13-0284