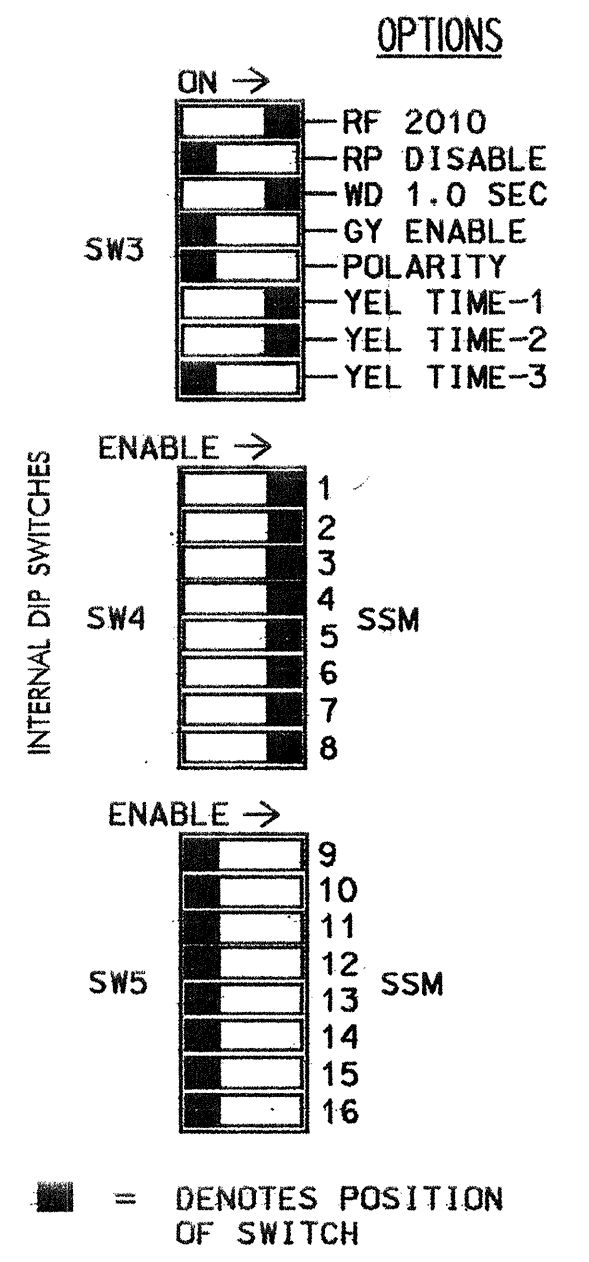
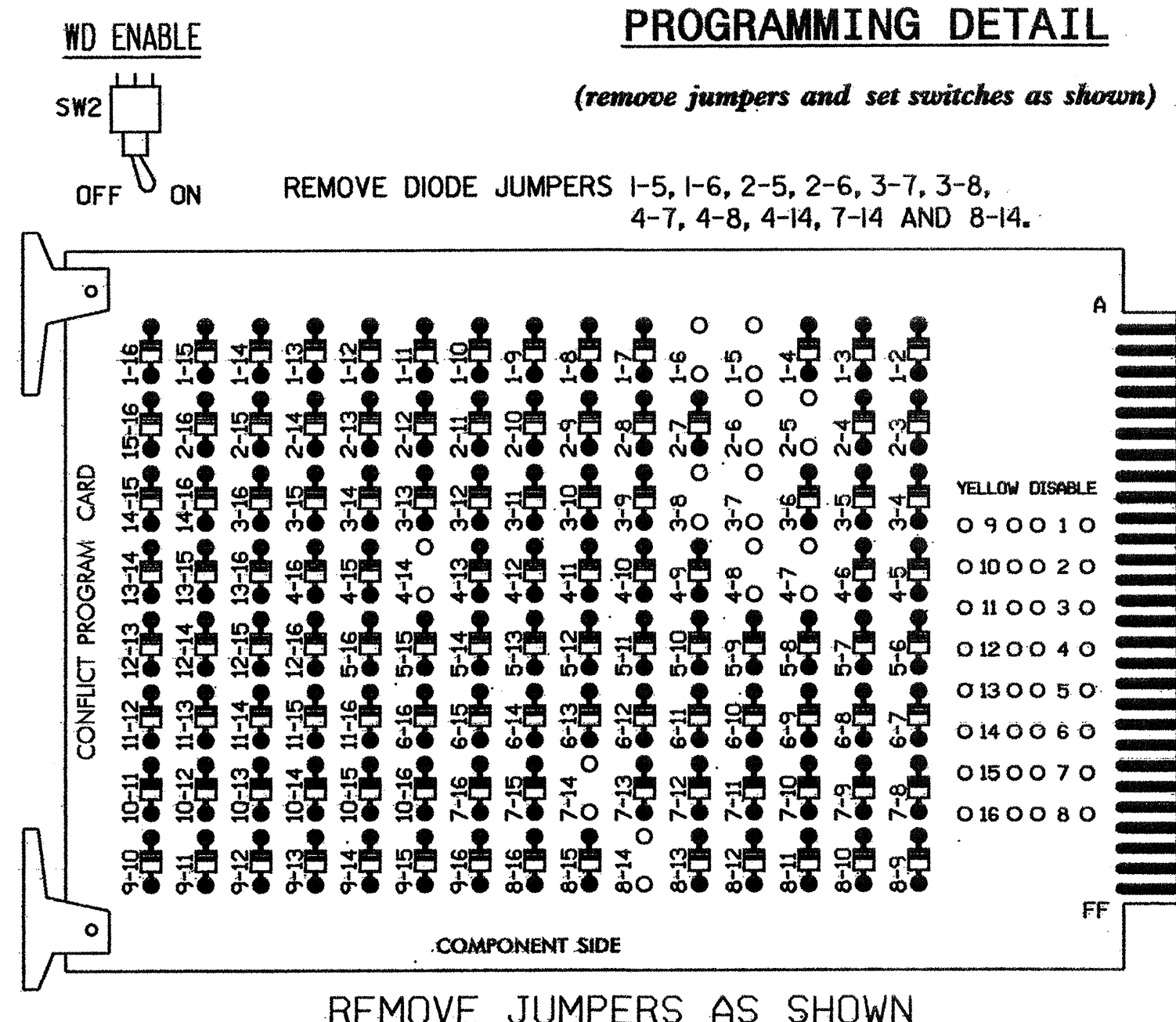


-----> SAME AS TEMPORARY ONE
EDI MODEL 2010ECL CONFLICT MONITOR
PROGRAMMING DETAIL



- 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. 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.
- SET POWER-UP FLASH TIME TO 10 SECONDS AND IMPLEMENT WITHIN THE CONTROLLER PROGRAMMING.
- ENABLE SIMULTANEOUS GAP-OUT FEATURE, ON CONTROLLER UNIT, FOR ALL PHASES.
- PROGRAM PHASES 2 AND 6, ON CONTROLLER UNIT, FOR VOLUME DENSITY OPERATION.

EQUIPMENT INFORMATION

* CONTROLLER.....McCain TRAFFIC TYPE 170E
 * CABINETMcCain TRAFFIC MODEL 332 (DWG.NO.M30117)
 SOFTWAREBI TRANS 233NC2
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...12
 LOAD SWITCHES USED.....S1,S2,S3,S4,S4P,S5,S6,S7,S8
 PHASES USED.....1,2,3,4,5,6,7,8,4PED
 OVERLAPS.....NONE

EXISTING TO REMAIN IN USE*

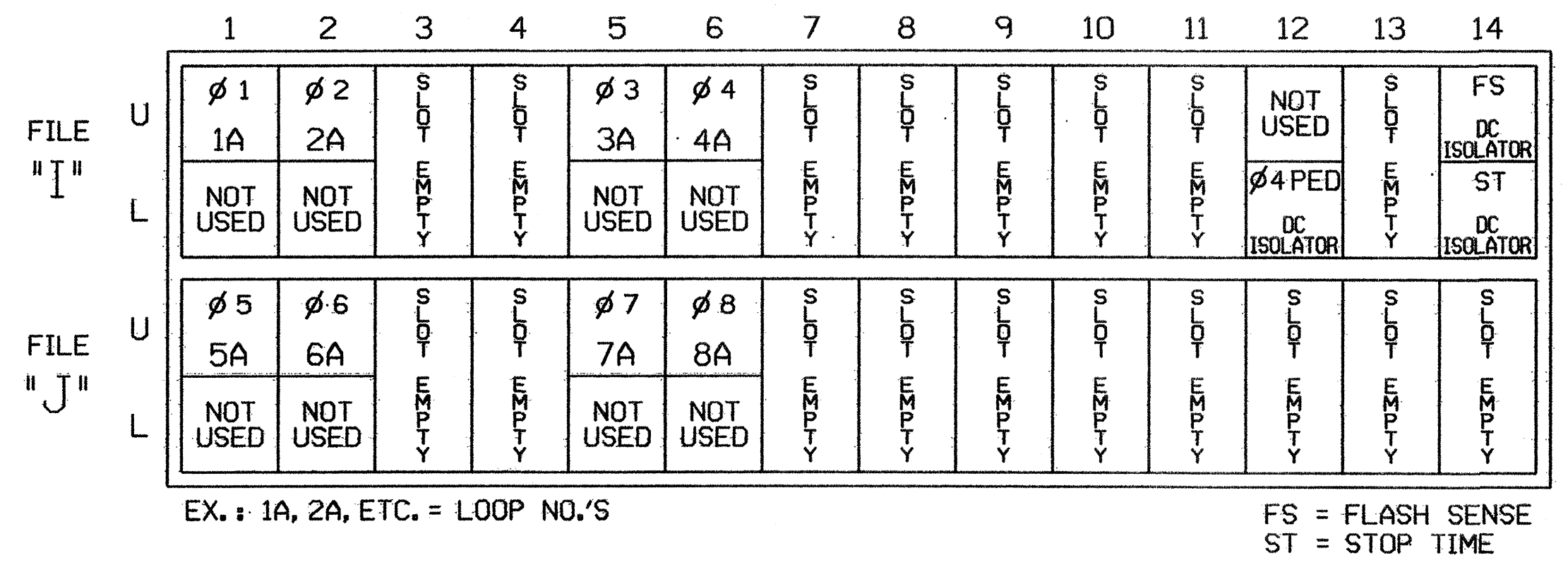
FIELD CONNECTION HOOK-UP CHART

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	21,22	NU	31	62	41,42	P41, P42	51	61,62	NU	71	81,82	NU
GREEN		130			103			136				109	
YELLOW		129			102			135				108	
RED		128			101			134				107	
RED ARROW	125			116				131			122		
YELLOW ARROW	126			117	117			132		123	123		
GREEN ARROW	127			118	118			133		124	124		
								106					
								104					

NU = NOT USED

RE-CONNECT FIELD TERMINAL WIRES FOR RIGHT-TURN ARROW SECTIONS OF HEADS 22 AND 62 SAME AS DURING TEMPORARY DESIGN ONE. THESE SECTIONS WILL BE USED DURING THIS TEMPORARY DESIGN FOUR.

-----> SAME AS TEMPORARY ONE
INPUT FILE POSITION LAYOUT
 (front view)



-----> SAME AS TEMPORARY ONE
INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	DETECTOR NO.	PIN NO.	ATTRIBUTES	NEMA PHASE
1A	TB2-1,2	I1U	1	56	5 7	1
2A	TB2-5,6	I2U	2	39	4 5 7	2
3A	TB4-5,6	I5U	3	58	5 7	3
4A	TB4-9,10	I6U	4	41	5 7	4
5A	TB3-1,2	J1U	5	55	5 7	5
6A	TB3-5,6	J2U	6	40	4 5 7	6
7A	TB5-5,6	J5U	7	57	5 7	7
8A	TB5-9,10	J6U	8	42	5 7	8
PED PUSH BUTTONS						
P41, P42	TB8-5,6	I12L	9	69	2	4

NOTE: PROGRAM DETECTOR DELAY AND CARRYOVER TIMES AS SPECIFIED ON SIGNAL DESIGN PLANS.

- INPUT FILE POSITION LEGEND: J2L
- FILE J
 - SLOT 2
 - LOWER
- DETECTOR ATTRIBUTES LEGEND:
- 1-FULL TIME DELAY
 - 2-PED CALL
 - 3-RESERVED
 - 4-COUNTING
 - 5-EXTENSION
 - 6-TYPE 3
 - 7-CALLING
 - 8-ALTERNATE

PEDESTRIAN PHASE PROGRAMMING

PROGRAM PEDESTRIAN 4P OUTPUT AT KEYPAD INPUT E/I25+F+7=ø4.

THIS ELECTRICAL DETAIL IS FOR THE TEMPORARY SIGNAL DESIGN: 05-1081T4
 DESIGNED: JUNE 2004*
 SEALED: 7/19/04*
 REVISED: N/A

* BY KIMLEY-HORN AND ASSOCIATES, INC.
 P.O. BOX 33068
 RALEIGH, NC 27636
 (919) 677-2000

TEMPORARY DESIGN FOUR

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared in the Office of:

NC 54 at NORTEL ENTRANCES

DIVISION 05 DURHAM COUNTY DURHAM

PLAN DATE: JULY 2004 REVIEWED BY: *F. Russ*

PREPARED BY: F.E. RUSS REVIEWED BY:

REVISIONS INIT. DATE

George C. Brown 7/30/04
 SIGNATURE DATE

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SIG. INVENTORY NO. 05-1081T4