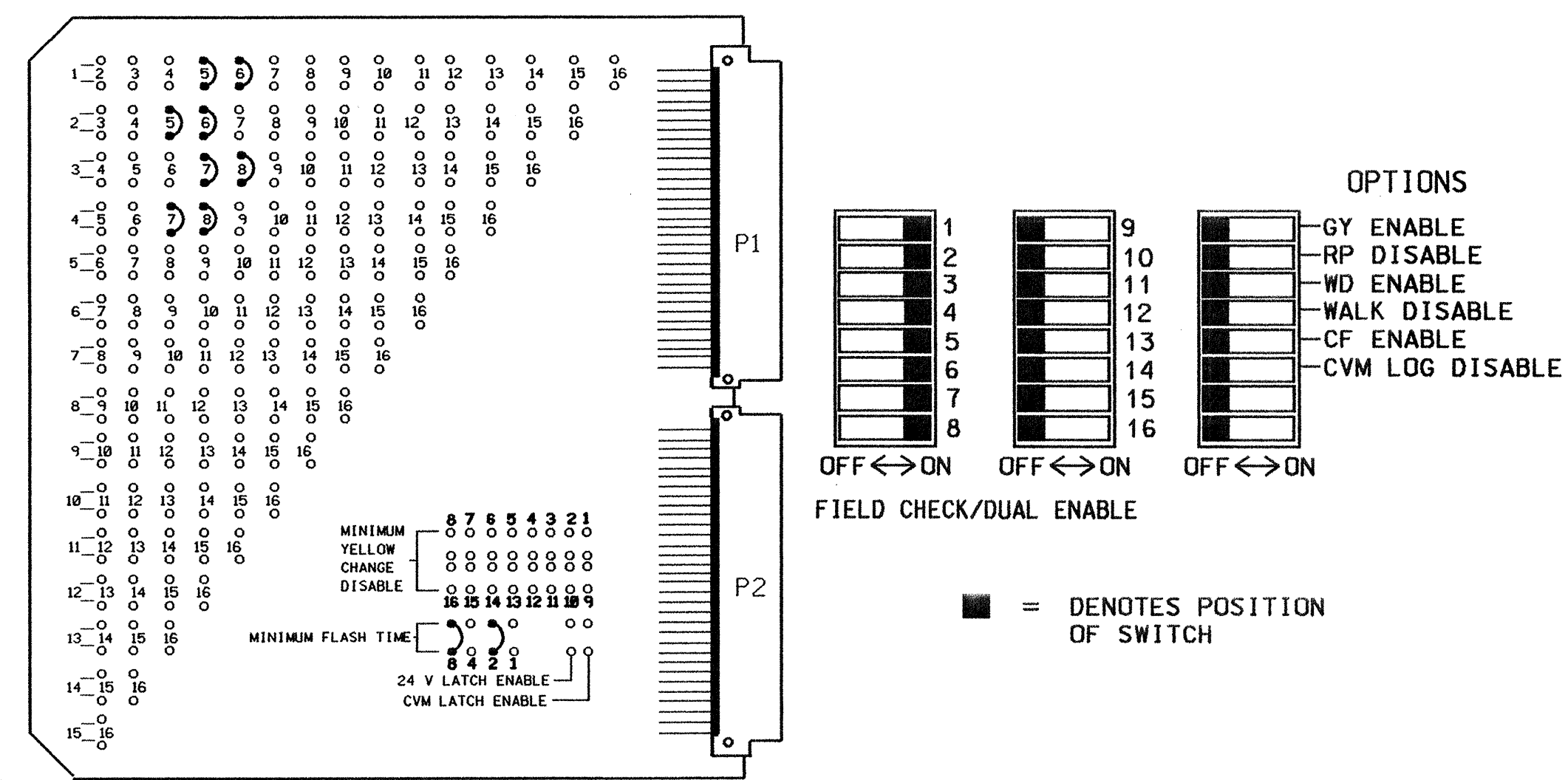


**EDI MODEL MMU-16E
MALFUNCTION MANAGEMENT UNIT
PROGRAMMING DETAIL**
(program card and set switches as shown below)



MMU PROGRAMMING CARD

DETECTOR RACK SET-UP DETAIL

INSERT DETECTOR CARDS IN RACK ACCORDING TO THE DETAIL SHOWN BELOW. PARTICULAR DETECTOR CHANNELS WILL CALL PHASES INDICATED.

WIRE LOOPS TO TERMINALS ON LOOP PANEL AS SHOWN IN THE CHART BELOW

LOOP NO.	LOOP PANEL TERMINALS
1A	L1A,L1B
1B	L2A,L2B
1C	L3A,L3B
	L4A,L4B
2A	L5A,L5B
2B	L6A,L6B
3A	L7A,L7B
3B	L8A,L8B
4A	L9A,L9B
4B	L10A,L10B
5A	L11A,L11B
5B	L12A,L12B
5C	L13A,L13B
	L14A,L14B
6A	L15A,L15B
6B	L16A,L16B
7A	L17A,L17B
	L18A,L18B
8A	L19A,L19B
8B	L20A,L20B
	L21A,L21B
	L22A,L22B
	L23A,L23B
	L24A,L24B
	L25A,L25B
	L26A,L26B
	L27A,L27B
	L28A,L28B
	L29A,L29B
	L30A,L30B
	L31A,L31B
	L32A,L32B

NOTE
BE SURE TO PROGRAM DETECTOR TYPES AND TIMERS (EXTEND AND DELAY) AS SHOWN ON THE SIGNAL PLANS.

PROGRAM CONTROLLER DETECTORS ACCORDING TO THE SCHEDULE SHOWN IN THE CHART BELOW

CONTROLLER DETECTOR NO.	FUNCTION	TIMING	
		FEATURE	TIME(SEC)
1	Ø 1	DELAY	3
2	Ø 1		
3	Ø 1	DELAY	15
4			
5	Ø 2		
6	Ø 2		
7	Ø 3		
8	Ø 3		
9	Ø 4		
10	Ø 4		
11	Ø 5	DELAY	3
12	Ø 5		
13	Ø 5	DELAY	15
14			
15	Ø 6		
16	Ø 6		
17	Ø 7	DELAY	3
18			
19	Ø 8		
20	Ø 8		
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			

NOTES

- TO PREVENT "FLASH-CONFLICT" PROBLEMS, WIRE ALL UNUSED LOAD SWITCHES TO FLASH RED. VERIFY THAT SIGNAL HEADS FLASH IN ACCORDANCE WITH THE SIGNAL PLANS.
- TO PREVENT RED FAILURES ON UNUSED MONITOR CHANNELS, TIE UNUSED LOAD SWITCH RED OUTPUTS 9,10,11,12,13,14,15 AND 16 TO LOAD SWITCH AC+ BY INSERTING A JUMPER PLUG IN THE UNUSED LOAD SWITCH SOCKET FROM PIN 1 (LS AC+) TO PIN 3 (RED OUT). MAKE SURE ALL FLASH TRANSFER RELAYS ARE IN PLACE.
- PROGRAM CONTROLLER TO START UP IN PHASES 2 AND 6 GREEN.
- SET POWER-UP FLASH TIME TO 10 SECONDS AND IMPLEMENT ON THE MALFUNCTION MANAGEMENT UNIT. SET CONTROLLER POWER-UP FLASH TIME TO 0 SECONDS.
- ENABLE SIMULTANEOUS GAP-OUT FEATURE, ON CONTROLLER UNIT, FOR ALL PHASES.
- PROGRAM DETECTORS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS TO ACCOMPLISH THE DETECTION SCHEMES SHOWN ON THE SIGNAL DESIGN PLANS.
- PROGRAM DETECTOR CALL DELAY AND EXTENSION TIMING ON THE CONTROLLER, UNLESS OTHERWISE SPECIFIED.
- SET ALL DETECTOR CARD UNIT CHANNELS TO "PRESENCE" MODE.
- PROGRAM PHASES 2 AND 6, ON CONTROLLER UNIT, FOR VOLUME DENSITY OPERATION.
- THIS SIGNAL IS PART OF THE HIGH POINT CITY SYSTEM.

EQUIPMENT INFORMATION

CONTROLLER.....PEEK 3000
 CABINETPEEK [TS-2] NC-6
 CABINET MOUNT.....BASE
 LOADBAY POSITIONS.....16
 LOAD SWITCHES USED.....1,2,3,4,5,6,7,8
 PHASES USED.....1,2,3,4,5,6,7,8
 OLA.....NOT USED
 OLB.....NOT USED
 OLC.....NOT USED
 OLD.....NOT USED

DETECTOR RACK #1

BIU	CH1	CH1	CH1	CH1	CH1	CH1	CH1	CH1
	L 3	L 1	L 7	L 5	L11	L 9	L15	L13
	Ø 1	Ø 1	Ø 3	Ø 2	Ø 5	Ø 4	Ø 6	Ø 5
CH2	CH2	CH2	CH2	CH2	CH2	CH2	CH2	CH2
	NOT USED	L 2	L 8	L 6	L12	L10	L16	NOT USED
		Ø 1	Ø 3	Ø 2	Ø 5	Ø 4	Ø 6	

DETECTOR RACK #2

BIU	CH1	CH1						
	L19	L17	SLOT	SLOT	SLOT	SLOT	SLOT	SLOT
	Ø 8	Ø 7	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY
CH2	CH2							
	L20	NOT USED						
	Ø 8							

FIELD CONNECTION HOOK-UP CHART

PHASE	1	2	3	4	5	6	7	8	OLA	OLB	OLC	OLD	2 PED	4 PED	6 PED	8 PED	
SIGNAL HEAD NO.	11,12	82	21,22	22	31,32	41,42	42	51,52	61,62	71	81,82	NU	NU	NU	NU	NU	NU
GREEN		2G		4G		6G		8G									
YELLOW		2Y		4Y		6Y		8Y									
RED		2R		4R		6R		8R									
RED ARROW	1R			3R		5R		7R									
YELLOW ARROW	1Y	1Y	3Y	3Y	5Y	5Y	7Y										
GREEN ARROW	1G	1G	3G	3G	5G	5G	7G										

NU = NOT USED

LOAD SWITCH ASSIGNMENT DETAIL

(program controller according to schedule in chart below)

LOAD SWITCH NUMBER	FUNCTION
1	Ø 1
2	Ø 2
3	Ø 3
4	Ø 4
5	Ø 5
6	Ø 6
7	Ø 7
8	Ø 8
9	
10	
11	
12	
13	
14	
15	
16	

UNUSED LOAD SWITCH CHANNELS SHALL BE DISABLED IN CONTROLLER PROGRAMMING.

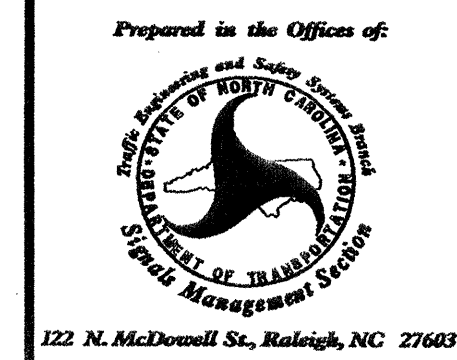
THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 07-1217
 DESIGNED: July 2004
 SEALED: 8/17/04
 REVISED:

Signal Upgrade - Final

ELECTRICAL AND PROGRAMMING DETAILS FOR:

SR 1546 (Guilford College Road)

At
 SR 1424 (Hilltop Road)/
 Piedmont Parkway



Division 7 Guilford County S. of Greensboro
 PLAN DATE: Aug. 2004 REVIEWED BY: T. Jaffe
 PREPARED BY: R. Hinshaw REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 022013
 GEORGE C. BROWN
 SIGNATURE: George C. Brown 8/19/04
 DATE: 8/19/04
 SIG. INVENTORY NO. 07-1217