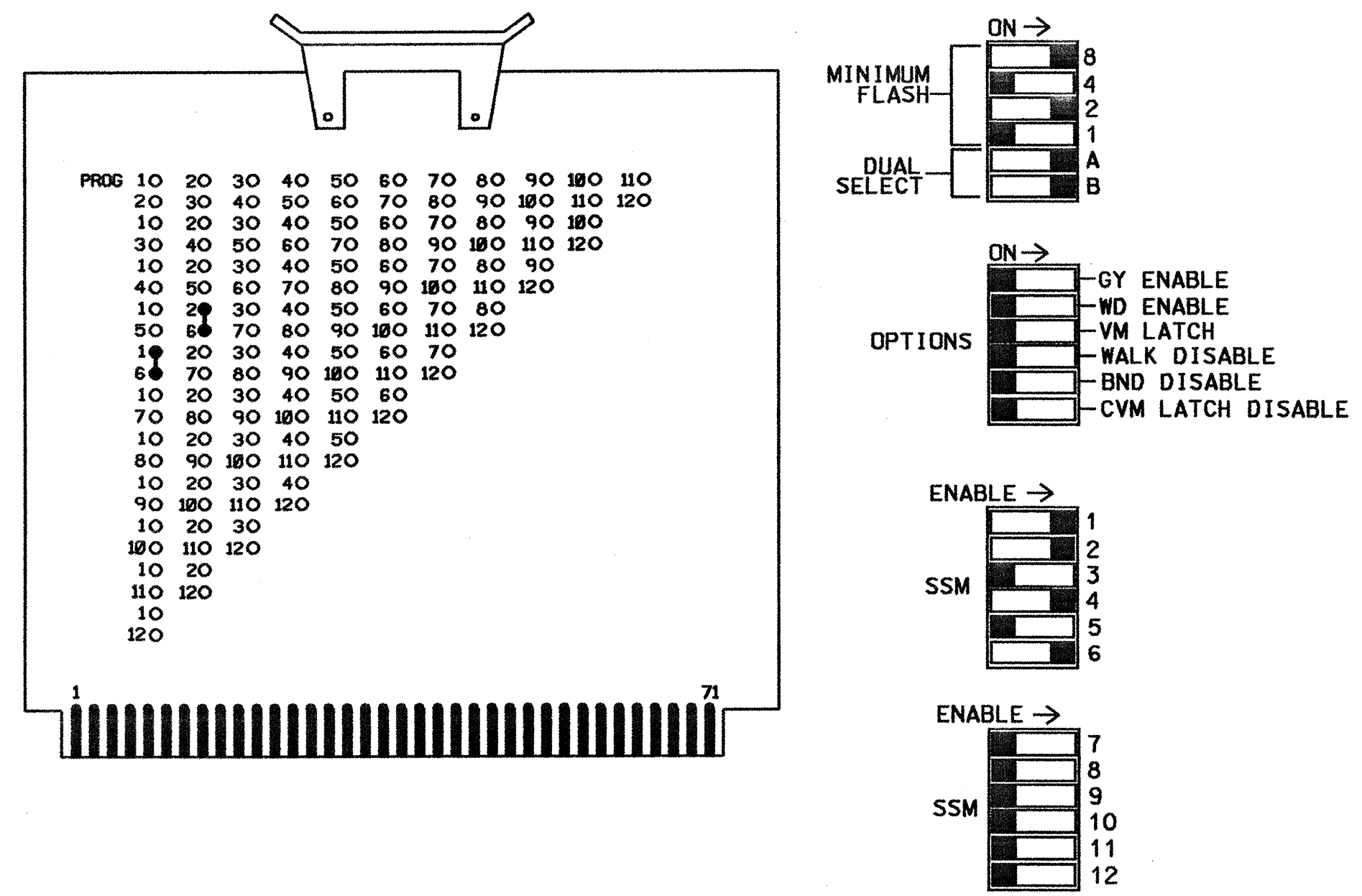


**EDI MODEL SSM-12E CONFLICT - VOLTAGE MONITOR PROGRAMMING DETAIL**

(install jumpers and set switches as shown below)



**NOTES**

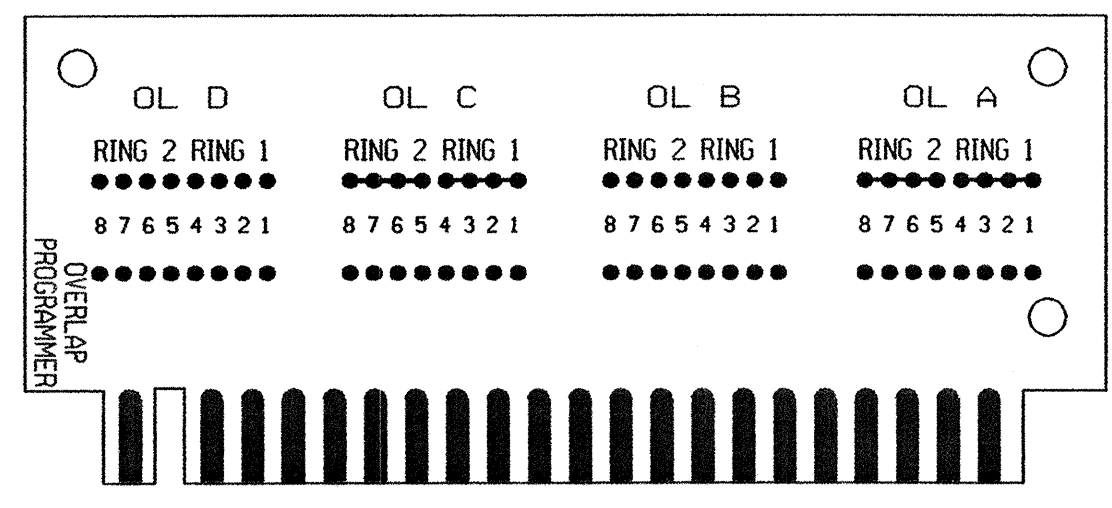
1. TO PREVENT "FLASH-CONFLICT" PROBLEMS, WIRE ALL UNUSED PHASES AND OVERLAPS TO FLASH RED. VERIFY THAT SIGNAL HEADS FLASH IN ACCORDANCE WITH THE SIGNAL PLANS.
2. TO PREVENT RED FAILURES ON UNUSED MONITOR CHANNELS, TIE UNUSED LOAD SWITCH RED OUTPUTS 3,5,7,8,9,10,11 AND 12 TO LOAD SWITCH AC+ BY INSERTING 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.
3. PROGRAM CONTROLLER TO START UP IN PHASES 2 AND 6 GREEN.
4. SET POWER-UP FLASH TIME TO 10 SECONDS AND IMPLEMENT ON THE CONFLICT MONITOR. SET CONTROLLER POWER-UP FLASH TIME TO 0 SECONDS.
5. ENABLE SIMULTANEOUS GAP-OUT FEATURE, ON CONTROLLER UNIT, FOR ALL PHASES.
6. WIRE DETECTORS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS TO ACCOMPLISH THE DETECTION SCHEMES SHOWN ON THE SIGNAL DESIGN PLANS.
7. SET ALL DETECTOR UNIT CHANNELS TO "PRESENCE" MODE.
8. PROGRAM PHASES 2 AND 6, ON CONTROLLER UNIT, FOR VOLUME DENSITY OPERATION.

**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.	61	21,22	NU	41, 42,43	NU	61,62	NU	NU	NU	NU	NU	NU	NU	NU	NU	NU
GREEN		2G		4G		6G										
YELLOW		2Y		4Y		6Y										
RED	*	2R		4R		6R										
RED ARROW																
YELLOW ARROW	1Y															
GREEN ARROW	1G															

NU = NOT USED  
\* DENOTES INSTALL LOAD RESISTOR. SEE LOAD RESISTOR INSTALLATION DETAIL THIS PAGE.

**NEMA OVERLAP CARD**

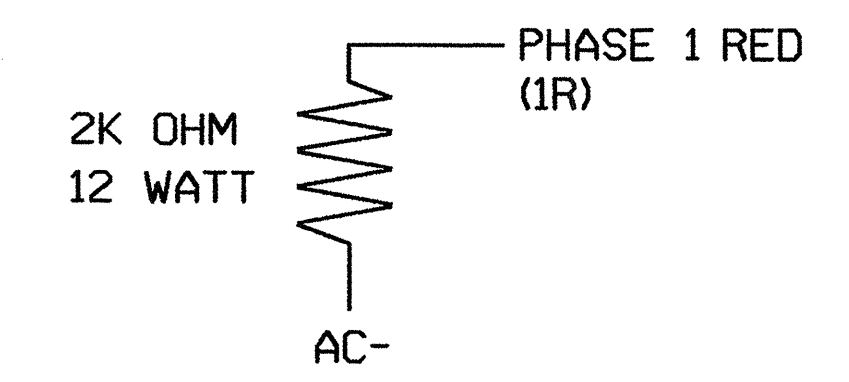


OVERLAP CARD SHALL BE COMPLETELY BLANK (NO OVERLAPS)

**EQUIPMENT INFORMATION**

CONTROLLER.....EAGLE EPAC300 (M10)  
CABINET.....EAGLE TF4016TNC01  
CABINET MOUNT.....BASE  
LOADBAY POSITIONS.....16  
LOAD SWITCHES USED.....1,2,4,6  
PHASES USED.....1,2,4,6  
OVERLAP A.....NOT USED  
OVERLAP B.....NOT USED  
OVERLAP C.....NOT USED  
OVERLAP D.....NOT USED

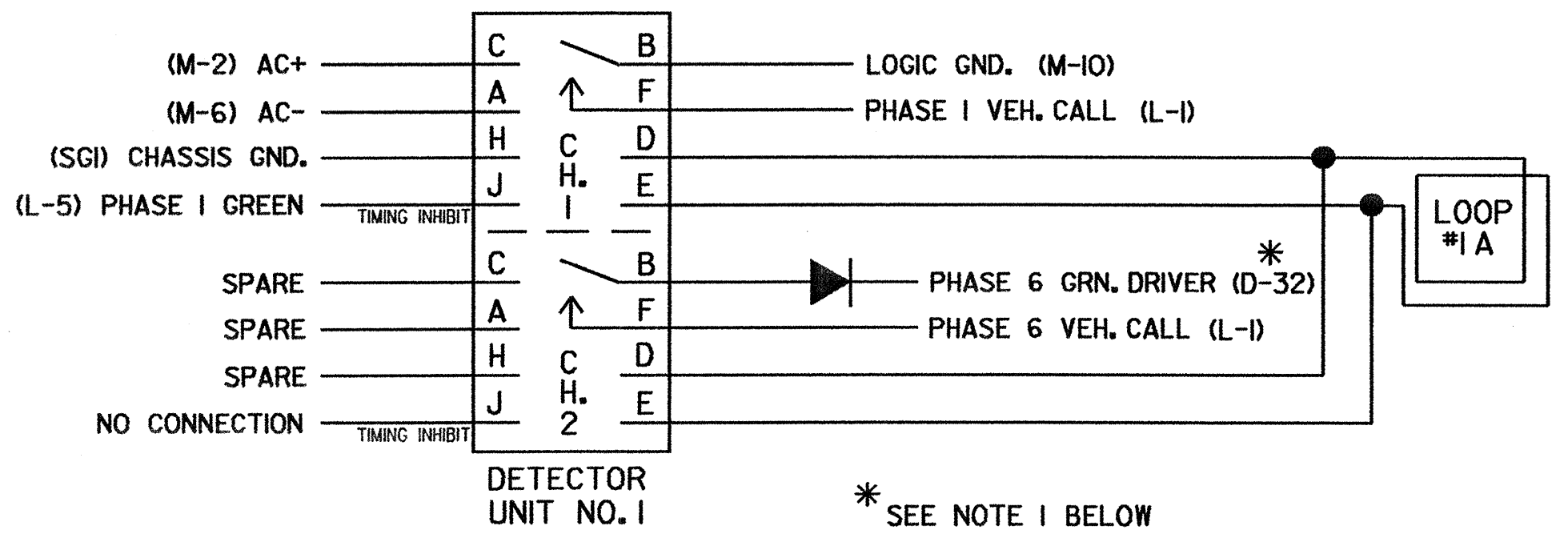
**LOAD RESISTOR INSTALLATION DETAIL**



NOTE: THE PURPOSE OF THIS RESISTOR IS TO LOAD THE CHANNEL RED MONITOR INPUT IN ORDER FOR THE SIGNAL SEQUENCE MONITOR TO USE THE FULL SIGNAL SEQUENCE MONITORING CAPABILITY ON PHASES THAT DO NOT USE THE RED DISPLAY IN THE FIELD.

**SPECIAL DETECTOR WIRING DETAIL**

(WIRE AS SHOWN)



- NOTES:
1. TERMINAL DESIGNATIONS SHOWN ARE LOCATED ON THE DETECTOR PANEL, EXCEPT FOR PHASE GREEN DRIVER, WHICH IS LOCATED ON THE BACK PANEL.
  2. DIODE IS VALUED AT 600V PIV, 1 AMP MINIMUM. (RECOMMENDED PART NO.1N4005)

**TYPICAL CONNECTION CHART FOR DETECTORS**

PIN FUNCTION	LOOP PANEL TERMINATION
AC+	AC+
AC-	AC-
CHASSIS GROUND	CHASSIS GROUND
LOOP INPUT	LOOP
LOOP INPUT	LOOP
RELAY NORMALLY OPEN	VEHICLE CALL INPUT
RELAY COMMON	LOGIC GROUND
TIMER INHIBIT	ASSOCIATED PHASE GREEN

- NOTES:
1. THE TIMER INHIBIT WIRE SHALL BE CONNECTED TO THE ASSOCIATED PHASE GREEN LOAD SWITCH OUTPUT WHEN ONLY DELAY OPERATION IS REQUIRED UNLESS OTHERWISE SPECIFIED BY THE LOOP AND DETECTOR UNIT INSTALLATION CHART.
  2. IF EXTEND OPERATION IS REQUIRED, THE DELAY INHIBIT WIRE SHALL NOT BE CONNECTED.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0489 T1  
DESIGNED: FEBRUARY 2004  
SEALED: 2/19/04  
REVISED:

**TEMPORARY SIGNAL 1 - PHASE I**

Electrical and Programming Details For: **US 74 BUSINESS AT I-95 SB RAMPS**

Prepared in the Office of: **STATE OF NORTH CAROLINA**

Division 6: **ROBESON COUNTY** Lumberton

Plan Date: **FEBRUARY 2004** Reviewed By: *T. J. H. K.*

Prepared By: **WILLIAM HAIRSTON** Reviewed By:

Signature: *W. C. Brown* 3/3/04

Seal: **STATE OF NORTH CAROLINA** SEAL 022013 ENGINEER **GEORGE C. BROWN**

Inventory No. **06-0489 T1**