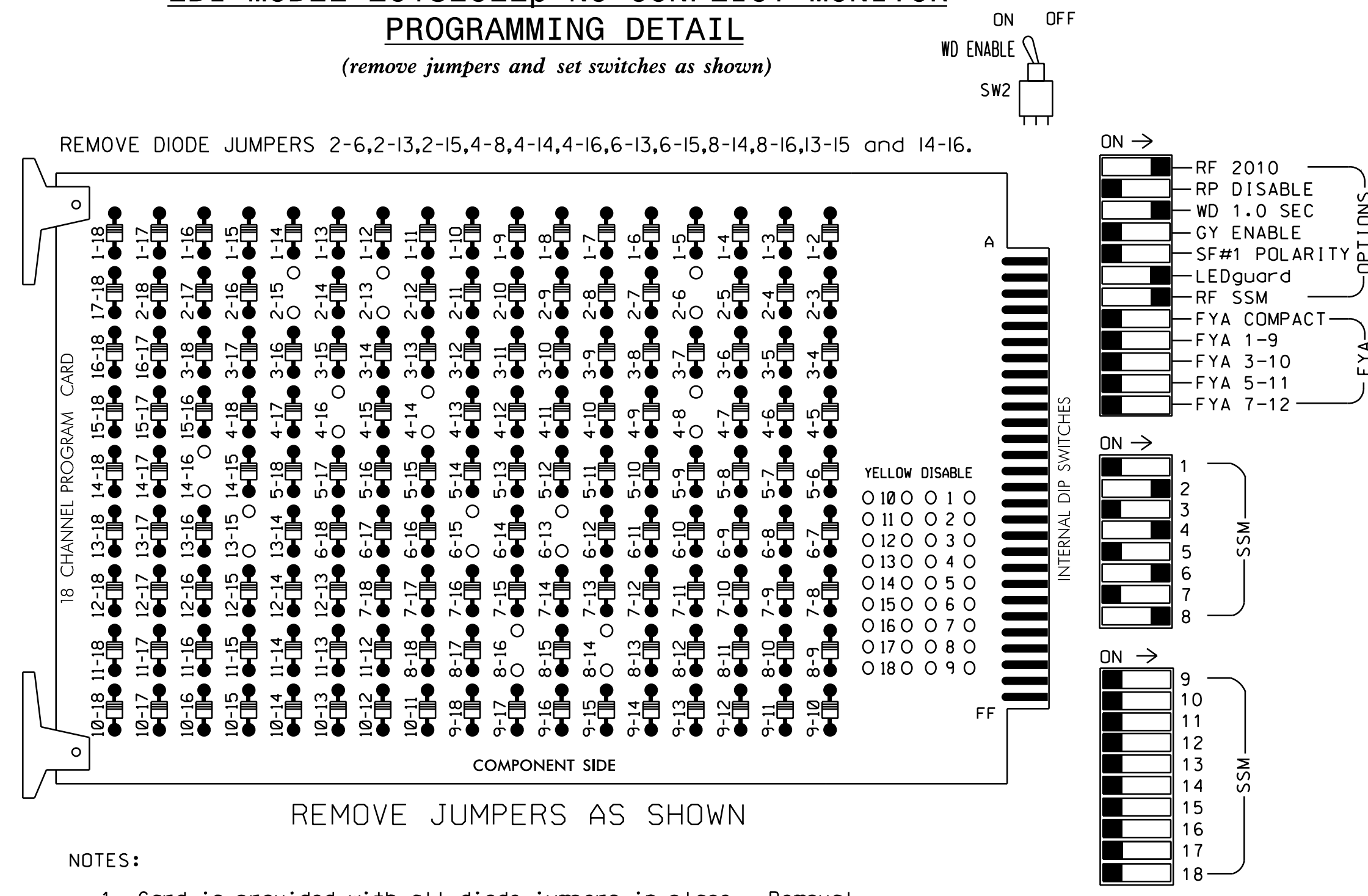


PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

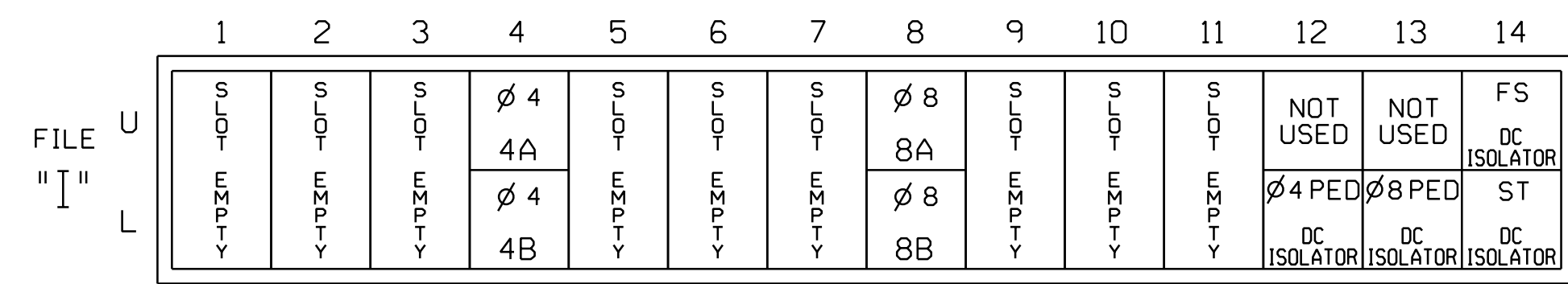


NOTES:

1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
2. Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
3. Ensure that Red Enable is active at all times during normal operation.
4. Integrate monitor with Ethernet network in cabinet.

INPUT FILE POSITION LAYOUT

(front view)



EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
ST = STOP TIME

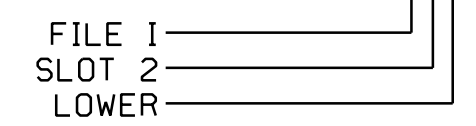
INPUT FILE CONNECTION & PROGRAMMING CHART

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
4A	TB21-7,8	14U	41	3	4	4	Y	Y			
4B	TB23-7,8	14L	45	7	14	4	Y	Y			
8A	TB22-1,2	18U	42	4	8	8	Y	Y			
8B	TB24-1,2	18L	46	8	18	8	Y	Y			
PED PUSH BUTTONS											
P41,P42	TB24-9,10	112L	69	31	PED4	4PED					
P81,P82	TB24-11,12	113L	70	32	PED8	8PED					

NOTE:

INSTALL DC ISOLATORS IN INPUT FILE SLOTS 112 AND 113.

INPUT FILE POSITION LEGEND: 12L



NOTES

1. 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.
2. Program phases 4 and 8 for Dual Entry.
3. Enable Simultaneous Gap-Out for all phases.
4. Program phases 2 and 6, on the controller unit, for Start Up In Green. SPECIAL PROGRAMMING IS NEEDED FOR PROPER START-UP OF PED SIGNALS. SEE SHEET 2 OF 2 OF THIS ELECTRICAL DETAIL FOR INSTRUCTIONS.
5. Program phases 2, 4, 6 and 8 for 'STARTUP PED CALL'.
6. Program phases 2 and 6 for Yellow Flash.
7. The cabinet and controller are part of the Asheville Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070E
CABINET.....336
SOFTWARE.....ECONOLITE OASIS
CABINET MOUNT.....BASE
OUTPUT FILE POSITIONS...12
LOAD SWITCHES USED.....S2,S3,S5,S6,S8,S9,S11,S12.
PHASES USED.....2,4,6,8,2PED,4PED,6PED,8PED.
OVERLAPS.....NONE

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED
SIGNAL HEAD NO.	NU	21,22	P21, P22	NU	41,42	P41, P42	NU	61,62	P61, P62	NU	81,82	P81, P82
RED		128			101			134				107
YELLOW		129			102			135				108
GREEN		130			103			136				109
RED ARROW												
YELLOW ARROW												
FLASHING YELLOW ARROW												
GREEN ARROW												
Hand icon			113		104			119				110
Walking person icon			115		106			121				112

ADVANCED WALK PROGRAMMING NOTE

(program controller as shown below)

From Main Menu press '2' (Phase Control), then '1' (Phase Control Functions). Program phases 2, 4, 6, and 8 for 'Advanced Walk'. Make sure the Walk Advance times shown on the Signal Design Plans are programmed in the the 'Phase Timing' menu.

COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: COA-0305
DESIGNED: MAY 2016
SEALED: 12-13-2016
REVISED:

ELECTRICAL DETAIL SHEET 1 OF 2

Electrical and Programming Details For:

Hillard Ave at S French Broad Ave

Division 13 Buncombe County Asheville

PLAN DATE: MAY 2016 REVIEWED BY: SMH

PREPARED BY: BGR REVIEWED BY: JBV

REVISIONS

INIT. DATE

161 S. Charlotte St. Asheville NC 28802

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James Voss 12/13/2016

SIGNATURE DATE

SIG. INVENTORY NO. COA-0305