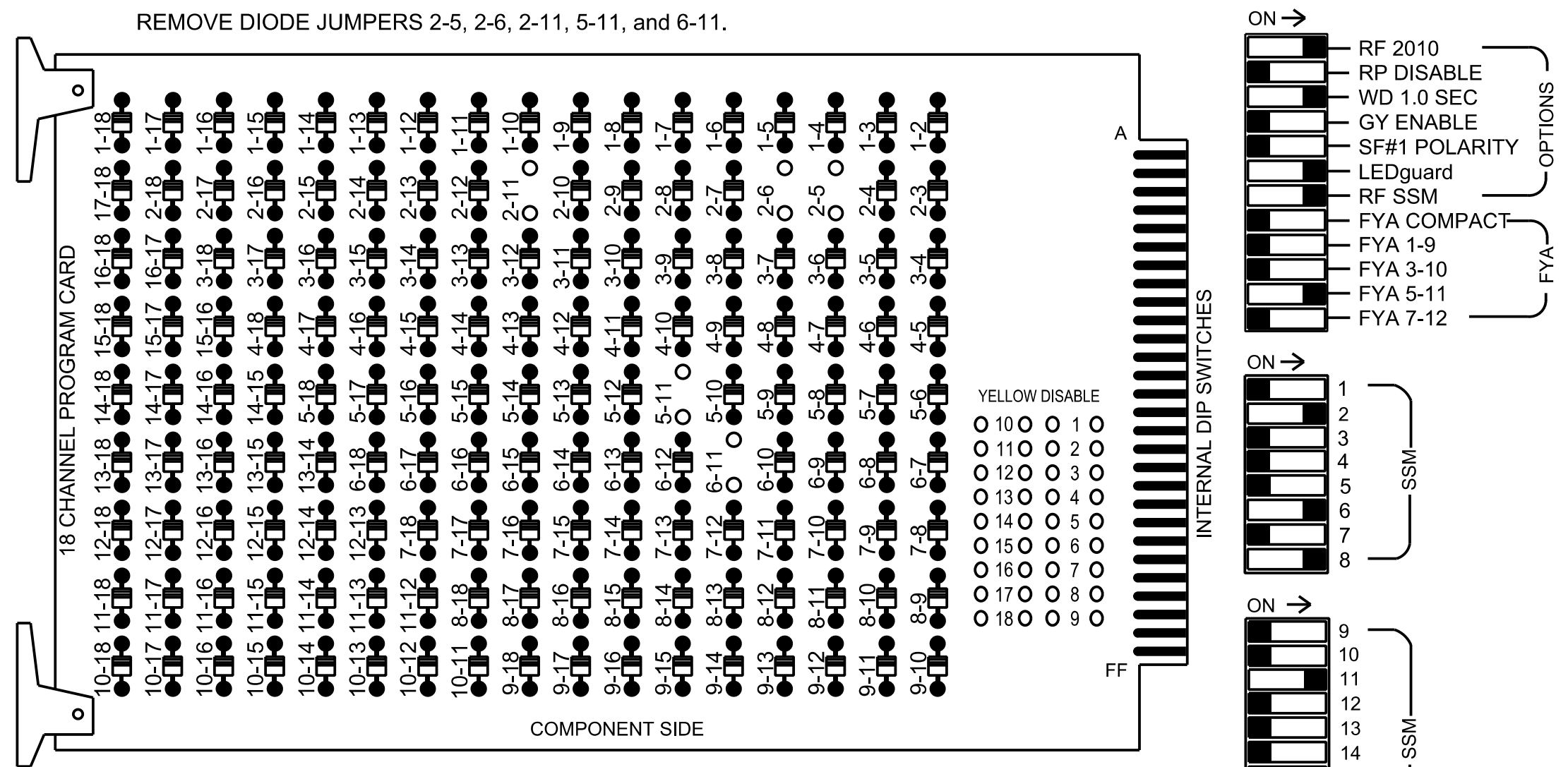


18 CHANNEL IP CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



NOTES

- 1. To prevent "flash-conflict" problems, insert red flash program blocks for all unused vehicle load switches in the output file... 2. Return controller to Factory Defaults before programming per this electrical detail... 3. Program controller to start up in phase 2 Green No Walk and 6 Green No Walk... 4. If this signal will be managed by an ATMS software, enable controller and detector logging for all enabled detectors used at this location.

SIGNAL HEAD HOOK-UP CHART

Table with columns for Load Switch No., CMU Channel No., Phase, Signal Head No., and various signal types (Red, Yellow, Green, Arrows). Includes asterisks for load resistor placement.

NU = Not Used
* Denotes install load resistor. See load resistor installation detail this sheet.
★ See pictorial of head wiring in detail this sheet.

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 the Red Enable is active at all times during normal operation. 4. Integrate monitor with Ethernet network in cabinet.

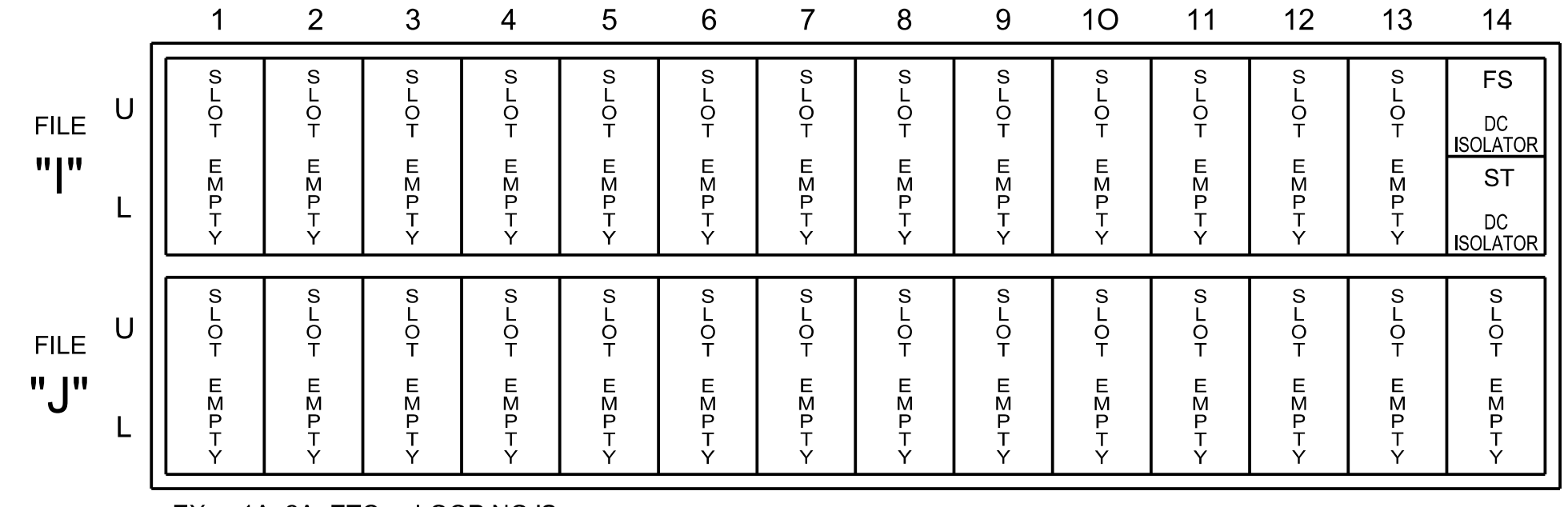
EQUIPMENT INFORMATION

Controller.....2070LX
Cabinet.....332 w/ Aux
Software.....Q-Free MAXTIME
Cabinet Mount.....Base
Output File Positions.....18 With Aux. Output File
Load Switches Used.....S2,S7,S8,S11,AUX S4
Phases Used.....2,5,6,8
Overlap "1".....Not Used
Overlap "2".....Not Used
Overlap "3".....*
Overlap "4".....Not Used

*See overlap programming detail on sheet 2

INPUT FILE POSITION LAYOUT

(front view)



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

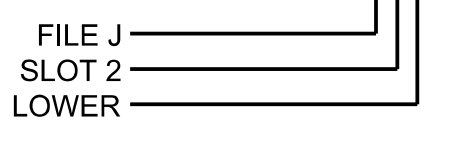
FS = FLASH SENSE
ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

Table with columns: LOOP NO., LOOP TERMINAL, INPUT FILE POS., PIN NO., INPUT POINT, DETECTOR NO., CALL PHASE, DELAY TIME, EXTEND TIME, EXTEND, ADDED INITIAL, CALL, DELAY DURING GREEN.

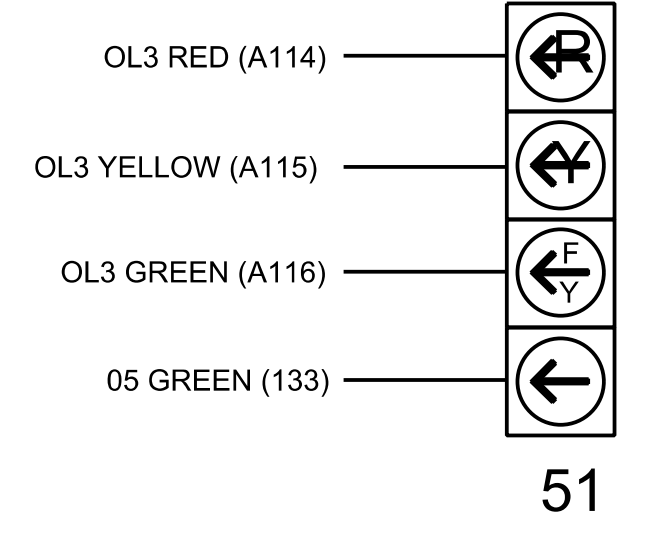
★ For the detectors to work as shown on the signal design plan, see the Detector Programming Detail for Alternate Phasing on Sheet 2.

INPUT FILE POSITION LEGEND:



FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



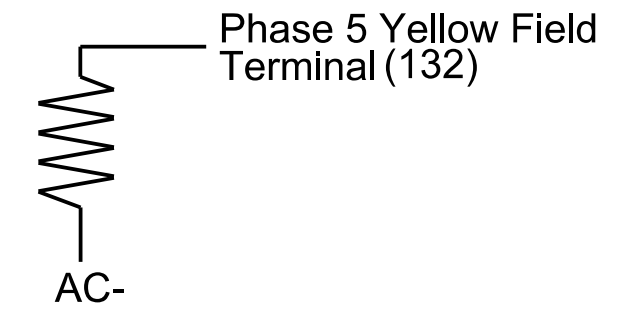
SPECIAL DETECTOR NOTE

Install a multizone microwave detection system for vehicle detection. Perform installation according to manufacturer's directions and NCDOT engineer -approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans.

LOAD RESISTOR INSTALLATION DETAIL

(install resistor as shown)

Table with columns: Value (ohms), Wattage. Rows: 1.5K - 1.9K (25W min), 2.0K - 3.0K (10W min).



Signal Upgrade
Temporary Signal 3
Electrical Detail - Sheet 1 of 3

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Project information block including: ELECTRONIC AND PROGRAMMING DETAILS FOR US 64 Bus./NC 49 (Dixie Drive) at I-73-US 220 NB/I-74 WB Ramps, Randolph County, Asheboro. Includes HNTB logo, signatures, dates, and a professional seal.