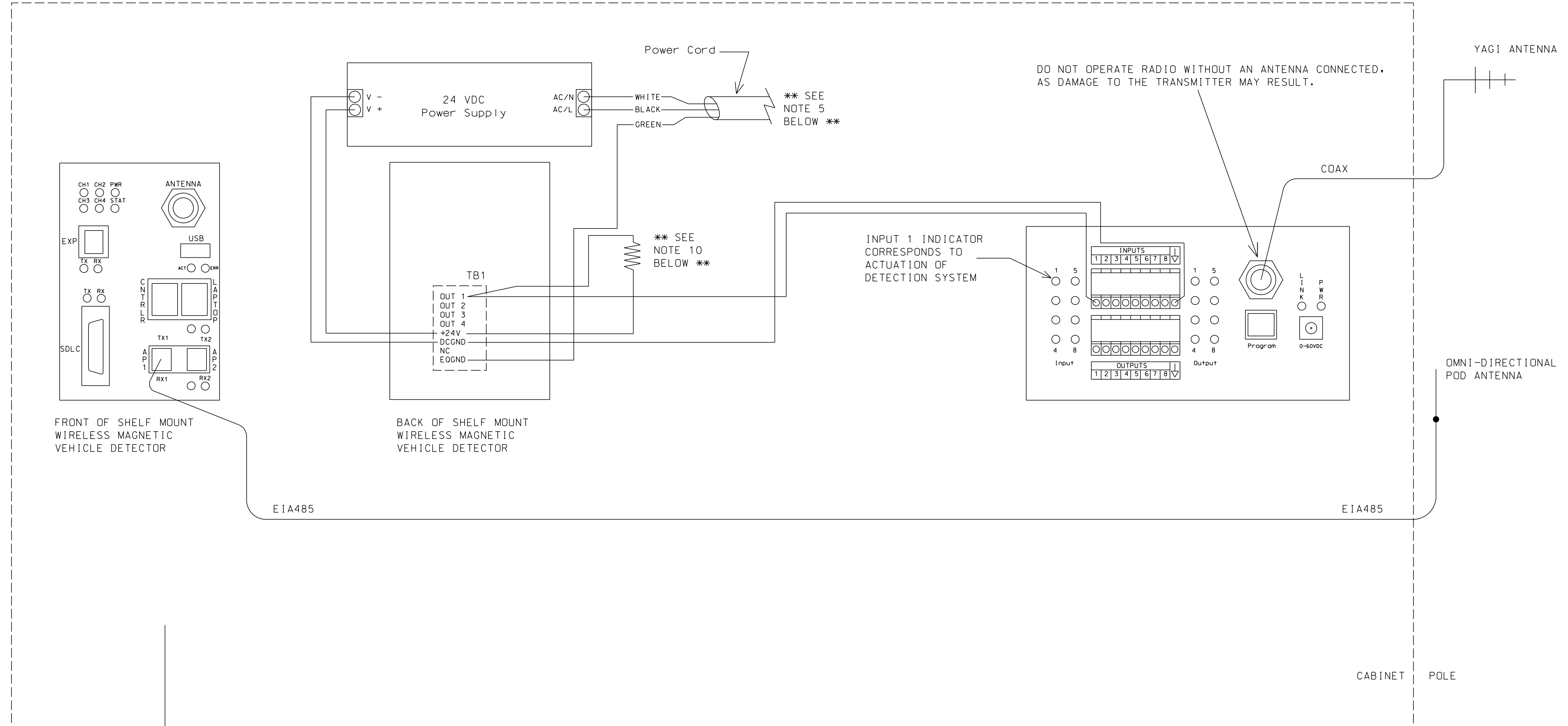


WIRELESS MAGNETIC SENSOR VEHICLE DETECTION CABINET DETAIL



WIRELESS MAGNETIC SENSOR VEHICLE DETECTION CABINET

NOTES

1. Install a wireless magnetic sensor vehicle detection system for vehicle detection as shown on Sheet ITS-1 according to the manufacturer's instructions. Install a wireless contact closure radio to communicate to the flasher location as shown on Sheet ITS-1 according to the manufacturer's instructions. Integrate the detection system and the wireless contact closure radio modem such that an output radio signal is transmitted to the remote flasher cabinet as required by Sheet ITS-1.
2. Detection system and radio are located in a Type F3 Beacon Controller, with the flasher unit being unused. The unused flasher unit may be removed.
3. Install a 15 A non-GFCI duplex receptacle in the F3 cabinet.
4. Terminal block designations shown are for an RGA, INC. dual circuit NEMA flasher cabinet, RGA DWG. NO. GC-NCF3-TYPICAL. (DOT NO. 609024300).
5. Plug 120 VAC wall cube supplied with radio into radio and then into the duplex receptacle.
6. Attach detector's power cable on the power supply as shown above, and insert the plug end into the duplex receptacle.
7. Program the wireless contact closure radio modem in this location as a master.
8. Program call delay time and extend time in the detection system as specified on Sheet ITS-1.
9. Perform installation according to manufacturers' directions and NCDOT engineer approved mounting locations to accomplish the detection schemes shown on Sheet ITS-1.
10. Install 4.7 Kohm resistor (0.25 W min) as shown above. This resistor is required to pull up the open collector output of the vehicle detector.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
 THIS ELECTRICAL DETAIL IS FOR TEMPORARY QUEUE BACKUP WARNING SYSTEM
 DESIGNED: April 2020
 SEALED: 5/15/20
 REVISED: N/A

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ELECTRICAL DETAIL SHEET 1 OF 2

ELECTRICAL AND PROGRAMMING DETAILS FOR:		Advanced Queue Detection System	
ON		US 701/NC 130 (S.J.K. Powell Blvd)	
Division 6	Columbus County	Whiteville	
PLAN DATE: April 2020	REVIEWED BY:		
PREPARED BY: J T Rowe	REVIEWED BY:		
REVISIONS	INIT.	DATE	
DocuSigned by: John T. Rowe, Jr.		SEAL	
SIGNATURE		DATE	
SIG. INVENTORY NO.		N/A	

5/15/2020
 Wireless Magnetic Sensors and Flashers.electr.cool_20200xyz.dgn
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