

	PROJECT REFERENCE NO.	SHEET NO.
NOTES	W-5800	Sig. 3.3
All loop lead-ins shall be twisted.		
oop spacing is critical to the proper operation of this Overspeed Detection System. Make sure loop spacing is correctly programmed in NQ4 Unit. Insure that connectors on rear of NQ4 are seated		
securely. NQ4 Unit shall be located in an auxiliary cabinet adjacent to Speed Warning System loops.	-	
Jnit power is connected by standard electrical pl	ug.	
Terminal strips TB1, TB2, TB3, & TBA to be added installer.	-	
Relay 'K1' is a SPDT with an 120VAC coil. Potte Brumfield no. KRP5AGAG, Dot Material no. 6250286	500.	
The RC Network across the coil of 'K1' is a .1 m farad, 100 ohm, Dot Material no, 106018075, P&B no, 104M060C100	icro	
EDCO SPA-60BS is a surge protector for 120VAC interconnect circuits. Dot Material no. 62502207	′6 <b>.</b>	
EDCO SHP300-10 is an AC service surge protector. Dot Material no. 625022075.		
)o not install ground rods at auxiliary cabinet.		
install equipment ground from controller cabinet suxiliary cabinet if not already present.	to	
nstall disconnect if there is no disconnect pres at auxiliary cabinet.	sent	
MPORTANT! A jumper must be installed between in file terminals I9-E and I9-K if not already prese		
MPORTANT! For proper operation of the Long Vehi Detection Unit, tie TB24-4 to AC neutral.	cle	
MPORTANT! Make sure both channels of AC Isolator nserted at input file position I9 are set for inv operation.		
NORTHSTAR CONTROLS MODEL NQ4		
PROGRAMMING DETAIL		
(program unit as shown)		
NOTE: UNIT MUST BE PROGRAMMED USING PC AND HYPERTERMINAL PROGRAM FOR CONNECTION TO HYPERTERMINAL REFER TO NO4 OPERATION MANUAL.	.	
PROGRAM NQ4 BY TYPING THE FOLLOWING COMMANDS		
1. SET SPEED=60		
2. SET LENGTH=22'		
3. SET ALARMTIME=12		
4. SET SEPARATION=27' (LEADING EDGE TO LEADING EDGE) (THIS VALUE MAY VARY, PROGRAM ACTUAL MEASURED SEPARATION)		
5. SET LOOP LENGTH=6' (THIS VALUE MAY VARY, PROGRAM ACTUAL MEASURED LOOP LENGTH)		
6. SAVE		
NOTE		
PROGRAMMING APPLIES TO LANE 1		
ectrical Detail - Temp Phase 2 - Sheet 3 of 5	DOCUMENT NOT C FINAL UNLES	ONSIDERED

ectrical Detail -	Temp. – Phase 2 – S	neet 3 of 5		FINAL UNLESS ALL	
TRICAL AND PROGRAMMING DETAILS FOR:				SEAL	
Prepared in the Offices of:	a SR 1913 (Wilso	n's Mills Ro	<b>)ad)</b> of Selma	SEAL 036833	
Signals Management	REVISIONS	INIT.	DATE	DocuSigned by:	
I.Greenfield Pkwy.Garner.NC 27529				Kytor W. Hough	/2019
				430320FAA2654C3 D SIG. INVENTORY NO. 04-10	<sub>ате</sub> 29Т