

	PROJECT REFERENCE NO.	SHEET NO.				
		Sig. <sup>6</sup>				
	2016CPT.03.09.10101	1, Etc.				
NOTES						
. All loop lead-ins shall be twisted.						
<ul> <li>Loop spacing is critical to the proper operation of this Overspeed Detection System. Make sure loop spacing is correctly programmed in NQ4 Ur</li> </ul>	)					
<ul> <li>Insure that connectors on rear of NQ4 are seat securely.</li> </ul>	ed					
NQ4 Unit shall be located in an auxiliary cabinet adjacent to Speed Warning System Loops.						
Unit power is connected by standard electrical plug.						
Terminal strips TB1, TB2, TB3, & TBB to be added by installer.						
Relay 'K2' is a SPDT with an 120VAC coil, Potter & Brumfield no, KRP5AGAG, Dot Material no, 625028600,						
<ul> <li>The RC Network across the coil of 'K2' is a .1 farad, 100 ohm. Dot Material no. 106018075.</li> <li>P&amp;B no. 104M06QC100</li> </ul>	micro					
<ul> <li>EDCO SPA-60BS is a surge protector for 120VAC interconnect circuits. Dot Material no. 62502</li> </ul>	2076.					
• EDCO SHP300-10 is an AC service surge protecto Dot Material no. 625022075.	)r.					
. Do not install ground rods at auxiliary cabine	;+.					
Install equipment ground from controller cabin auxiliary cabinet if not already present.	et to					
Install disconnect if there is no disconnect p at auxiliary cabinet.	resent					
[	ก					
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 NO4 BY TYPING THE FOLLOWING COMMANDS 1. SET SPEED=55 2. SET LENGTH=22' 3. SET ALARMTIME=12 4. SET SEPARATION=16' (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 BOTH LANE 1 AND LANE 2

John T. Rowe, Jr. 7/21/2015

DATE

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LECTRICAL DETAIL	SHEET 5 OF 7					
CTRICAL AND PROGRAMMING DETAILS FOR:	US 17 (Oce	an High	nway)		SEAL	
Prepared in the Offices of:	at SR 1304 (Pea Landing Road)/ SR 1165 (Thomasboro Road) Division 03 Brunswick County Near Sunset Beach PLAN DATE: 08-04-10 REVIEWED BY:		Not a certified document as to the Original Document but Only as to the Revisions - This document originally issued and sealed by George C. Brown. #022013. on 8/5/10. This document is only certified as			
Sector Hanagement Sector	PREPARED BY: D.H. Spaulding	REVIEWED BY:	INIT	DATE	to the revisions.	
	REVISIONS W_No_changes_to_this_electrical_plan.	<u>(WSA)</u>	\$7R	DATE 7/21/2015		
N. Greenfield Pwky, Garner, NC 27529				• • • • • • • • • • • • • •	SIGNATURE DATE	
					SIG. INVENTORY NO. 03-0416	