

NOTES:

1. ABBREVIATIONS ARE NOTED IN THE CONTRACT PLANS AS FOLLOWS:

TYPICAL ABBREVIATION: AA
 OR
 TYPICAL ABBREVIATION: AA-BBB
 OR
 TYPICAL ABBREVIATION: AA-BBB-CCCC

2. ABBREVIATIONS ARE LISTED IN THE ADJACENT COLUMNS. THE COLUMN HEADER IDENTIFIES THE POSITION OF THE ABBREVIATION PER THE TYPICAL ABBREVIATION LISTED IN NOTE 1.

FIRST:

AC ALTERNATING CURRENT
 ATS AUTOMATIC TRANSFER SWITCH
 AWG AMERICAN WIRE GAUGE
 BCR BRIDGE CONTROL RELAY
 BCP BRIDGE CONTROL POWER
 C.L. CENTER LINE
 CKT CIRCUIT
 CB CIRCUIT BREAKER
 CM COMMON
 CNTL CONTROL
 CP CONTROL PANEL
 CR CONTROL RELAY
 CS CONTROL SWITCH
 CT CURRENT TRANSFORMER
 DBR DYNAMIC BRAKING RESISTOR
 DC DIRECT CURRENT
 DIA DIAMETER
 DS DISCONNECT SWITCH
 ENC ENCODER
 ESW ETHERNET SWITCH
 FCB FEEDER CIRCUIT BREAKER
 FREQ. FREQUENCY
 FS FOOT SWITCH
 FU FUSE
 FVD FLUX VECTOR DRIVE
 FVNR FULL VOLTAGE NON-REVERSING STARTER
 FVR FULL VOLTAGE REVERSING STARTER
 GEN GENERATOR
 GND GROUND
 HDPE HIGH DENSITY POLYETHYLENE
 HP HORSEPOWER
 HTR HEATER
 I/O INPUTS/OUTPUTS
 IL INDICATING LIGHT
 KCMILS KILO-CIRCULAR MILS
 KVA KILO-VOLT-AMPERE
 KWH KILOWATT HOUR
 LP LIGHTING PANEL
 LS LIMIT SWITCH
 LT LIGHTING
 M MOTOR CONTACTOR/MOTOR
 mA MILLI-AMPERE
 MAIN MAIN
 MCC MOTOR CONTROL CENTER NUMBER
 MIN MINIMUM
 MTR MOTOR
 MTS MANUAL TRANSFER SWITCH
 NF NOISE FILTER
 N.T.S. NOT TO SCALE
 NO NORMALLY OPEN
 OL OVERLOAD
 PA PUBLIC ADDRESS
 PB PUSHBUTTON
 PEC PHOTOELECTRIC CONTROLLER
 PFR PHASE FAILURE REGULATOR
 PL PLUG
 PLC PROGRAMMABLE LOGIC CONTROLLER
 PM PHASE MONITOR
 PMAIN POWER MAIN
 PPR PULSES PER ROTATION
 PS POWER SUPPLY
 PVC POLYVINYL CHLORIDE
 RCLS ROTARY CAM LIMIT SWITCH
 REC RECEPTACLE
 RGS RIGID GALVANIZED STEEL
 RMS ROOT MEAN SQUARE
 RPM ROTATIONS PER MINUTE
 SS SELECTOR SWITCH
 SS STAINLESS STEEL
 SSD SLOW START DRIVE
 SYM. SYMMETRICAL
 T TRANSFORMER
 TH THERMOSTAT
 TB TERMINAL BLOCK
 TR TIMING RELAY
 TS TRAFFIC SIGNALS
 TSP TWISTED SHIELDED PAIR
 TVSS TRANSIENT VOLTAGE SURGE SUPPRESSOR
 TYP TYPICAL
 UPS UNINTERRUPTIBLE POWER SUPPLY
 VDC VOLTS DIRECT CURRENT
 VFD VARIABLE FREQUENCY DRIVE
 XFMR TRANSFORMER
 ZT POSITION TRANSMITTER

SECOND:

AH AIR HORN
 ASD AUXILIARY SPAN DRIVE
 ASDM AMERICAN SPAN DRIVE MOTOR
 ATS AUTOMATIC TRANSFER SWITCH
 ASD AUXILIARY SPAN DRIVE
 AUX AUXILIARY
 BC BRIDGE CONTROL POWER
 BCR BRIDGE CONTROL RELAY
 BG BARRIER GATE
 BP BYPASS
 CB# CIRCUIT BREAKER NUMBER
 CCTV CLOSED CIRCUIT TELEVISION
 CD CONTROL DESK
 CTLDSK CONTROL DESK
 DM DEAD MAN
 DSK DESK
 ES EMERGENCY STOP
 FRDWHY FAR ROADWAY
 FS FAR SIDE
 GEN GENERATOR
 GLS GATE ROTARY LIMIT SWITCH
 GROUP GROUP
 GSR GREEN SIGNAL RELAY
 INPUTS PLC INPUTS
 KW KILOWATT
 LP LIGHTING PANEL
 LT LIGHTING TRANSFORMER
 LT LAMP TEST
 MAIN MAIN
 MB MOTOR BRAKE
 MCR MASTER CONTROL RELAY
 MCC MOTOR CONTROL CENTER
 MDI MANUAL DRIVE INTERLOCK
 MHB1 MACHINERY BRAKE 1
 MHB2 MACHINERY BRAKE 2
 N NEUTRAL
 NPS NPS
 NRDWHY NEAR ROADWAY
 NS NEAR SIDE
 OF OFFGOING GATE
 ON ONCOMING GATE
 PEC PHOTOELECTRIC CONTROLLER
 PFR POWER FAILURE RELAY
 PLC PROGRAMMABLE LOGIC CONTROLLER
 PM POWER MONITOR
 PMAIN POWER MAIN SERVICE
 PNL PANEL
 PPR PIVOT PIER RECEPTACLES
 PS POWER SUPPLY
 PWR POWER
 RE RESET
 RLS ROTARY LIMIT SWITCH
 RPLC REMOTE I/O PLC PANEL
 RSR RED SIGNAL RELAY
 SD SPAN DRIVE
 SDM SPAN DRIVE MOTOR
 SO SPAN OPERATION
 SPAN SPAN
 SRN SIREN
 SY DRIVE SELECT
 TW TRAFFIC WARNING
 UPS UNINTERRUPTIBLE POWER SUPPLY
 UV UNDER VOLTAGE RELAY
 WED WEDGE
 WG WARNING GATE
 WM WEDGE MOTOR
 YSR YELLOW SIGNAL RELAY
 ZT POSITION TRANSMITTER

THIRD:

AUX AUXILIARY
 CL CLOSED
 DCL DECEL CLOSE
 DO DOOR OPEN
 DOP DECEL OPEN
 DRV DRIVE
 DRVN DRIVEN
 DS DOOR SWITCH
 EN ENABLE
 F FAR
 FL FULLY LOWERED
 FLS FLASHING
 FC FULLY CLOSED
 FO FULLY OPEN
 FOF FAR OFFGOING
 FON FAR ONCOMING
 FR FULLY RAISED
 GI GONG INTERLOCK
 HCK HAND CRANK
 HR HAND RELEASE
 L LOWER/LOCK
 LP LIGHTING PANEL
 LWR LOWER
 MO MANUAL OPERATION
 N NEAR
 NC NEARLY CLOSED/NORMALLY CLOSED
 NFL NOT FULLY LOWERED
 NFR NOT FULLY RAISED
 NFRI NOT FULLY RAISED INTERLOCK
 NO NEAR OPEN/NORMALLY OPEN
 NON NEAR ONCOMING
 OP OPEN
 PV NEAR PANELVIEW
 R RAISE
 RDY READY
 REL RELEASE
 RLS ROTARY LIMIT SWITCH
 RSD RAISED
 SEL SELECTED
 SET SET
 SP SPARE
 TI TRAFFIC INTERLOCK
 TRB TROUBLE
 WTHD WITHDRAW
 WTHDN WITHDRAWN

PROJECT NO. B-5936
TYRRELL COUNTY
 BRIDGE NO: 7

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

ELECTRICAL ABBREVIATIONS

ALLIGATOR RIVER SWING SPAN

REVISIONS						SHEET NO.
NO	BY	DATE	NO	BY	DATE	
1			3			E-2
2			4			

TOTAL SHEETS 51

DRAWN BY: _QIV DATE: 8/8/2016
 CHECKED BY: _MJT DATE: 8/8/2016
 DESIGN ENGINEER OF RECORD: _CHS DATE: 8/8/2016

DWG NUMBER 18 TOTAL DWGS 90

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DocuSigned by: *Scott Reynolds*
 BFECS720F9F14B0...
 9/14/2016



HH Hardesty & Hanover
 engineering that moves you

*****DTG*****
 *****DGN*****
 *****USERNAME*****