

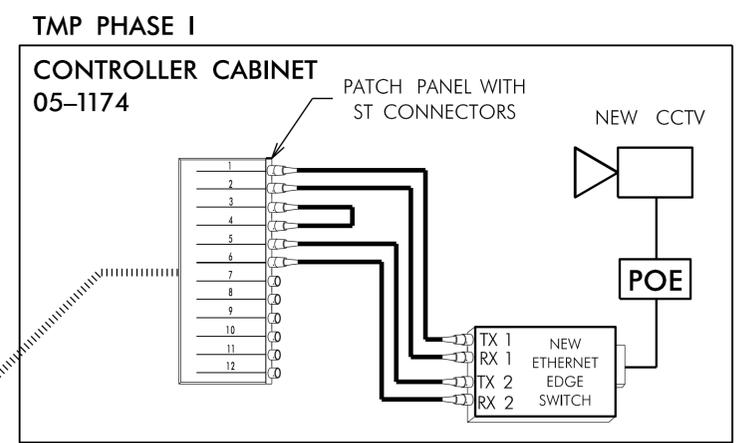
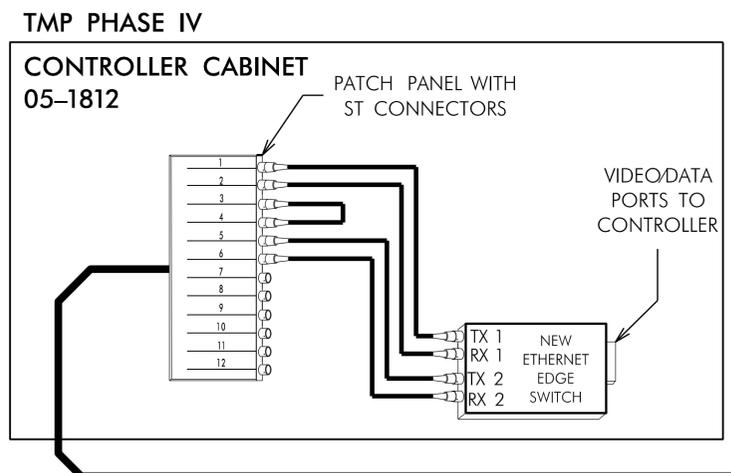
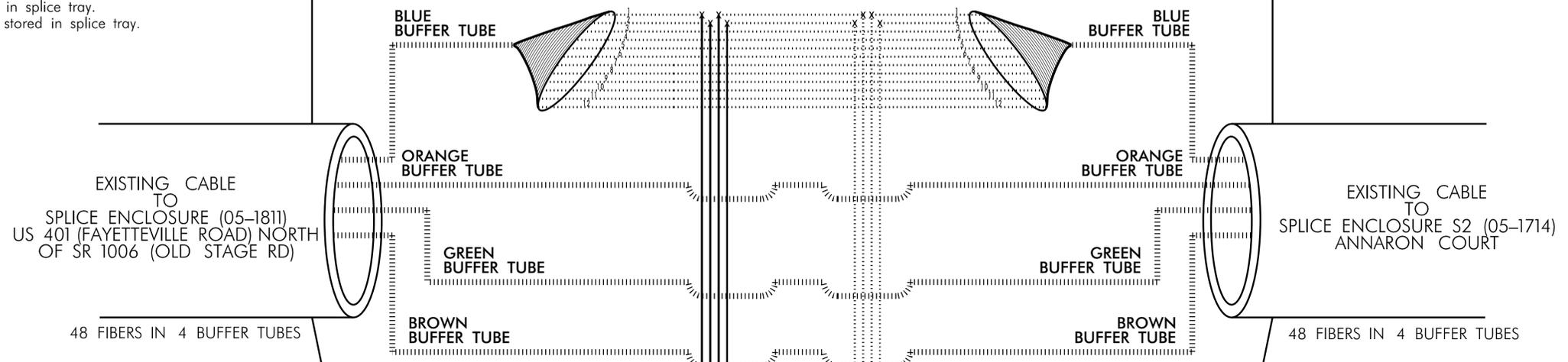
EXISTING AERIAL SPLICE ENCLOSURE 272  
US 401 (FAYETTEVILLE ROAD) AT  
PINWOODS DRIVE  
SIG. INV. # 05-1174

**LEGEND**

COLOR CODE TIA/EIA 598-A	X = NEW FUSION SPLICE INDIVIDUAL FIBER
(1) BLUE (7) RED	C = CAP, COIL, AND SEAL
(2) ORANGE (8) BLACK	
(3) GREEN (9) YELLOW	
(4) BROWN (10) VIOLET	
(5) SLATE (11) ROSE	
(6) WHITE (12) AQUA	

Notes:  
Unused fibers left coiled and stored in splice tray.  
Unused Buffer Tubes left coiled and stored in splice tray.

**MODIFY EXISTING AERIAL SPLICE ENCLOSURE 272**



1. NOTIFY THE RALEIGH SIGNAL SYSTEM OFFICE, CHRIS JEFFERSON, AT (919) 996-4064, SEVEN (7) DAYS PRIOR TO BEGINNING WORK ON COMMUNICATIONS CABLE FOR SIGNAL COMMUNICATIONS TO ARRANGE FOR THE ENGINEER TO PROGRAM THE NEW FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. CUTOVER TO NEW FIBER SHALL NOT EXCEED 24 HOURS IN DURATION. NOTIFY THE ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND OPERATIONAL.
2. CONTRACTOR TO RECORD EXISTING SPLICE ARRANGEMENT FOR COMPARISON TO THE SUPPLIED SPLICE DETAILS. IF DISCREPANCIES EXIST, CONTACT THE ENGINEER TO DETERMINE HOW TO PROCEED WITH RESPLICING. PROVIDE AS-BUILT PLANS TO THE ENGINEER IF FINAL SPLICE ARRANGEMENT DIFFERS FROM THE SUPPLIED SPLICE DETAILS.
3. ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING \ ENSURING PROPER TERMINATIONS.
4. INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING:  
REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"  
  
1) SPLICE LOCATION  
2) DATE  
3) COMPANY NAME  
4) NAME OF INDIVIDUAL PERFORMING THE SPLICING

PRIOR TO INSTALLING THE COVER ON THE SPLICE TRAY TAKE A DIGITAL PHOTOGRAPH SHOWING THE SPLICE TRAY AND INFORMATION SHOWN ABOVE (1-4) AND SUBMIT PHOTOGRAPH ALONG WITH OTDR TEST RESULTS.

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

 250 N. Greenfield Place, Garner, NC 27529 NC Firm License No.: F-0342 5438 Wade Park Boulevard Suite 200 Raleigh, NC 27607 Phone: 919-461-1100	Prepared for the Offices of:  State of North Carolina Department of Transportation		SEAL  COURTNEY L. KALENCIK ENGINEER
	Post-Let Raleigh Signal System Splice Details Division 5 Wake County Raleigh PLAN DATE: March 2025 PREPARED BY: A. Ravipati PREPARED BY: M.P. Cavanaugh REVIEWED BY: C.L. Kalencik		
SCALE 0 N/A NTS	REVISIONS INIT. DATE	DocuSigned by:  COURTNEY L. KALENCIK DATE: 3/27/2025 CADD Filename:	

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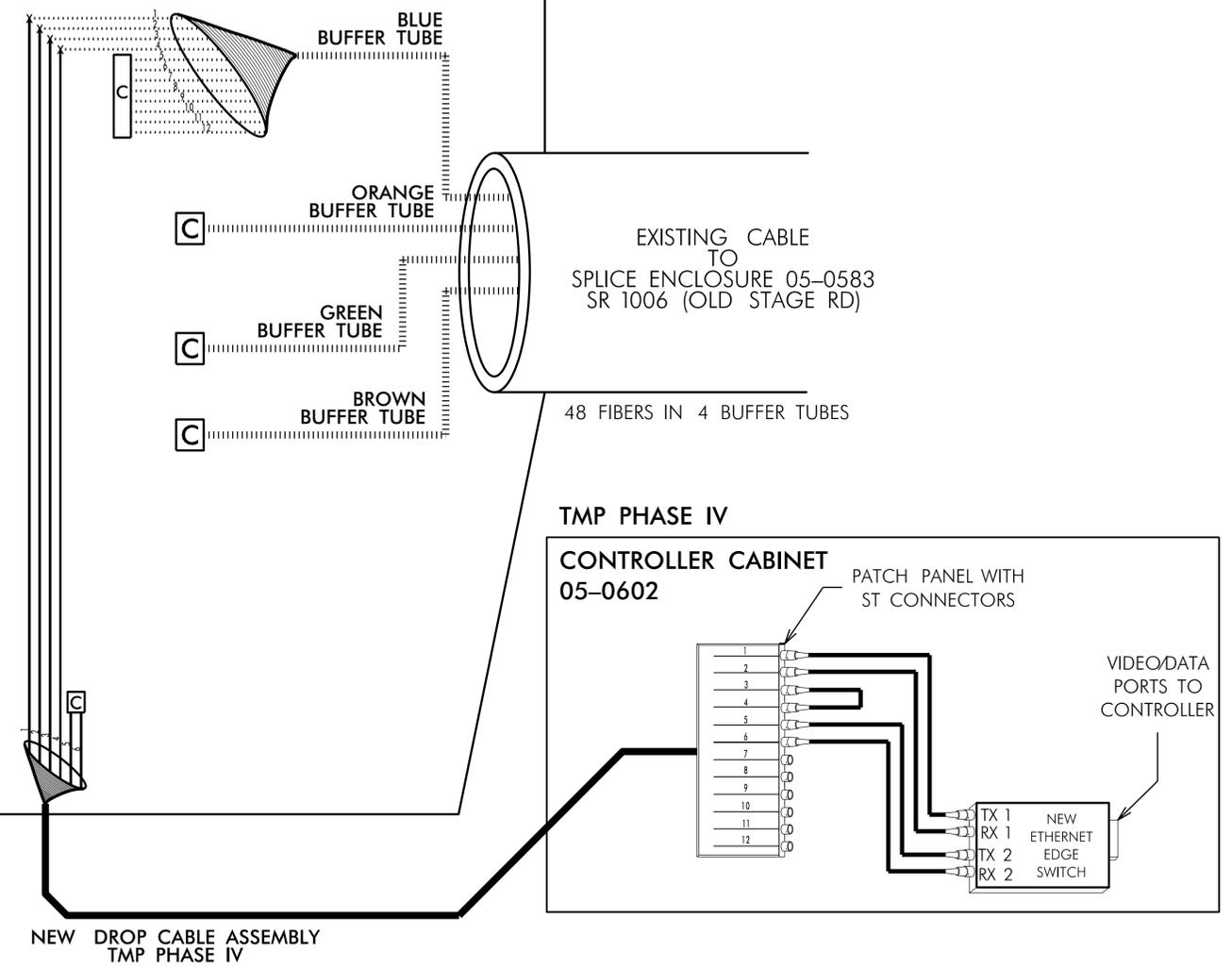


NEW AERIAL SPLICE ENCLOSURE  
 SR 1006 (OLD STAGE RD) AT  
 SR 2720 (GROVEMONT RD)  
 SIG. INV. # 05-0602

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(2) ORANGE	(8) BLACK	C = CAP, COIL, AND SEAL	
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NEW AERIAL SPLICE ENCLOSURE



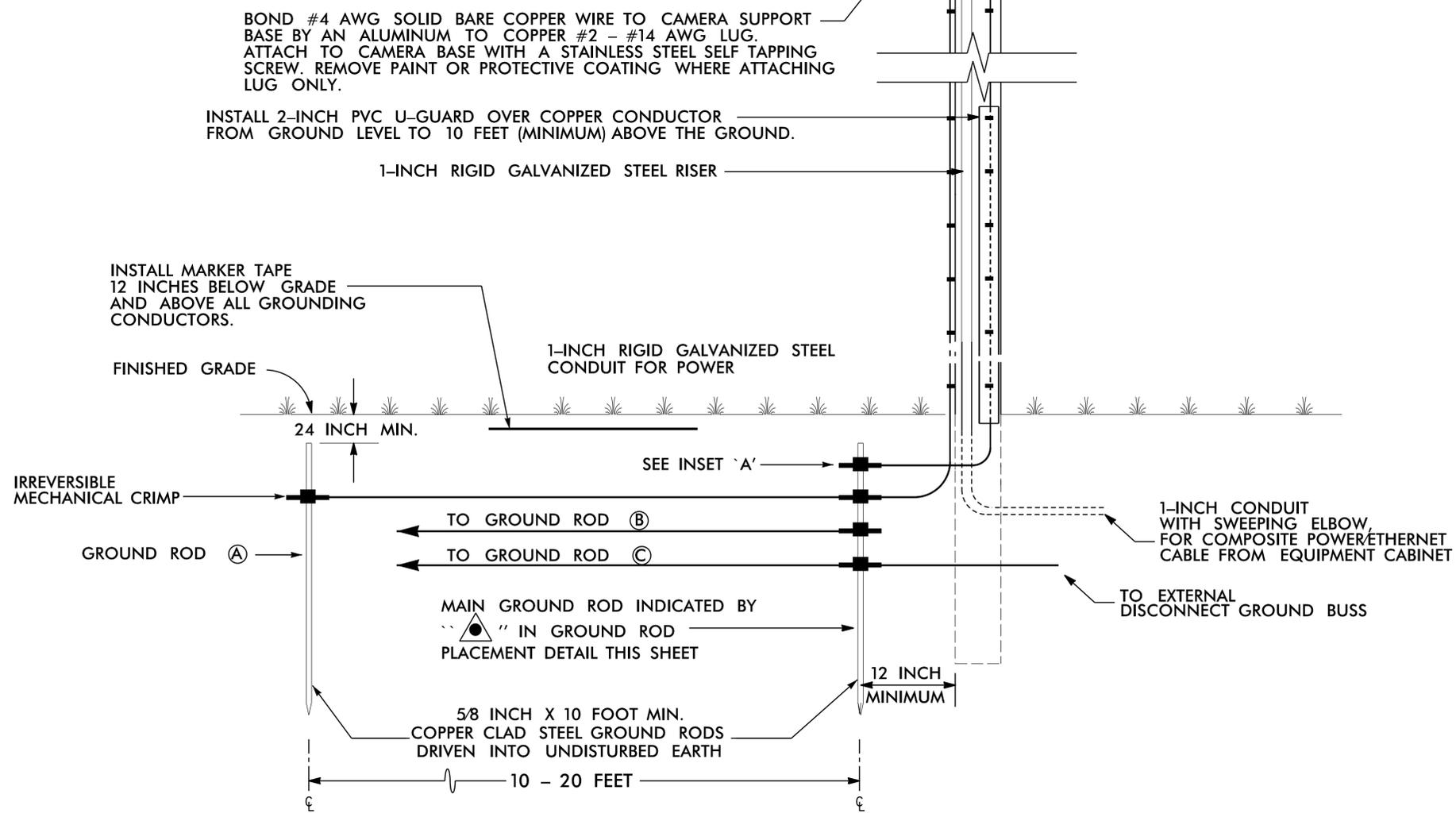
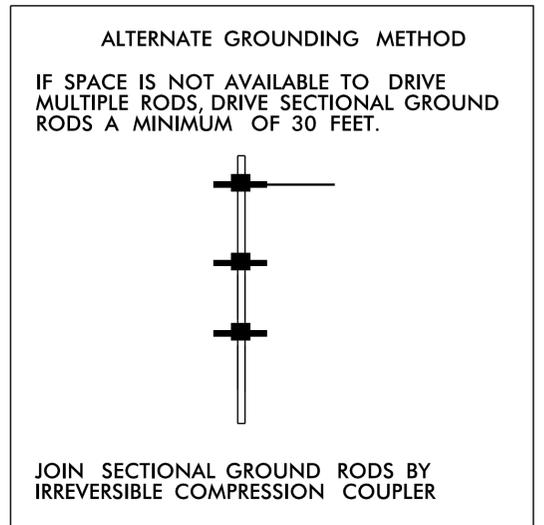
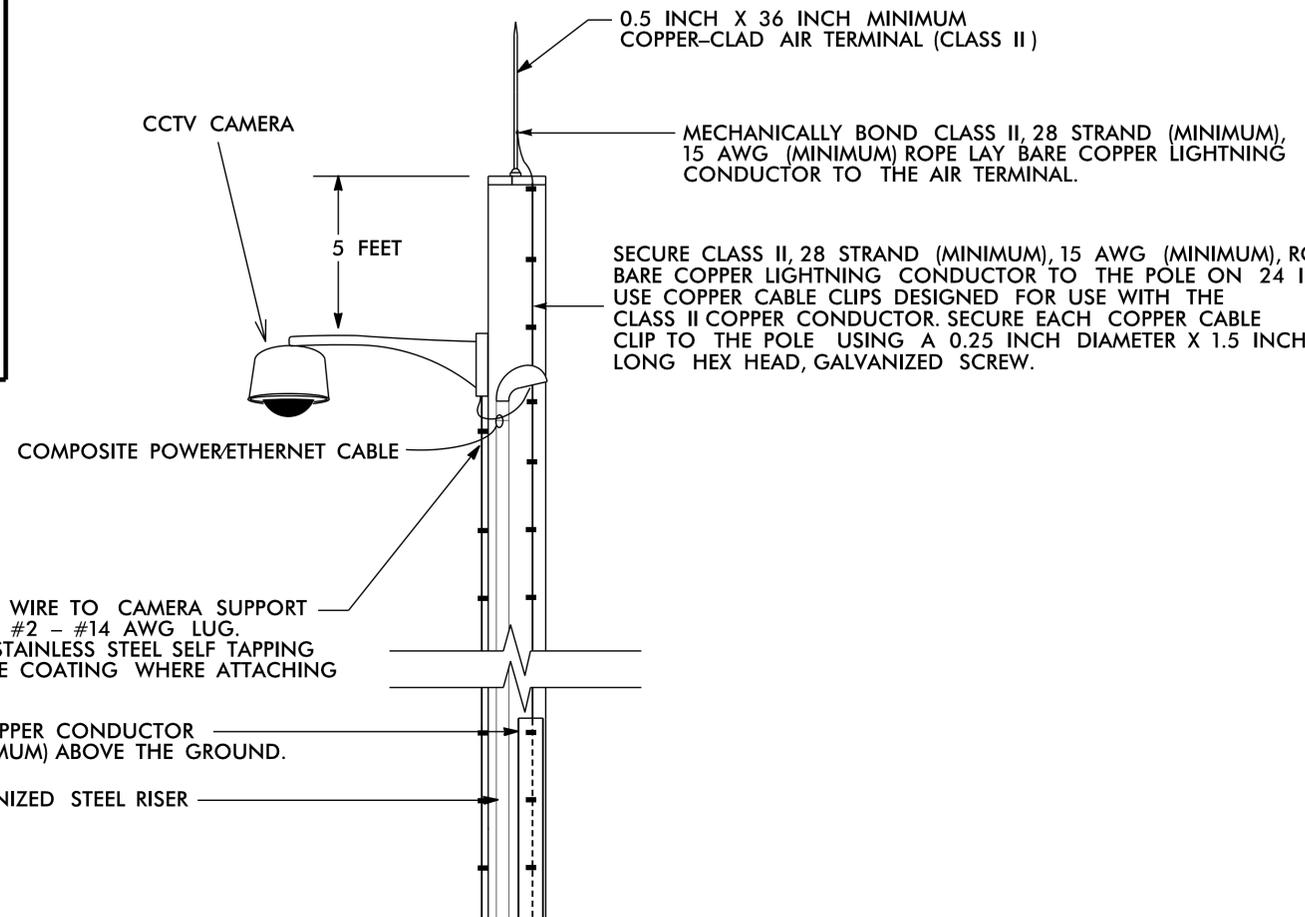
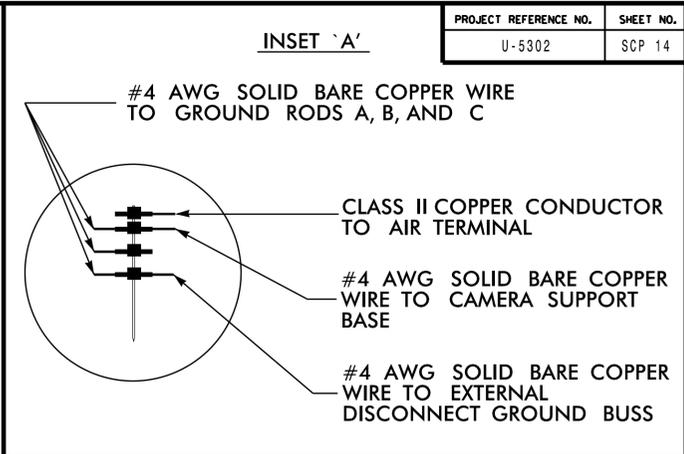
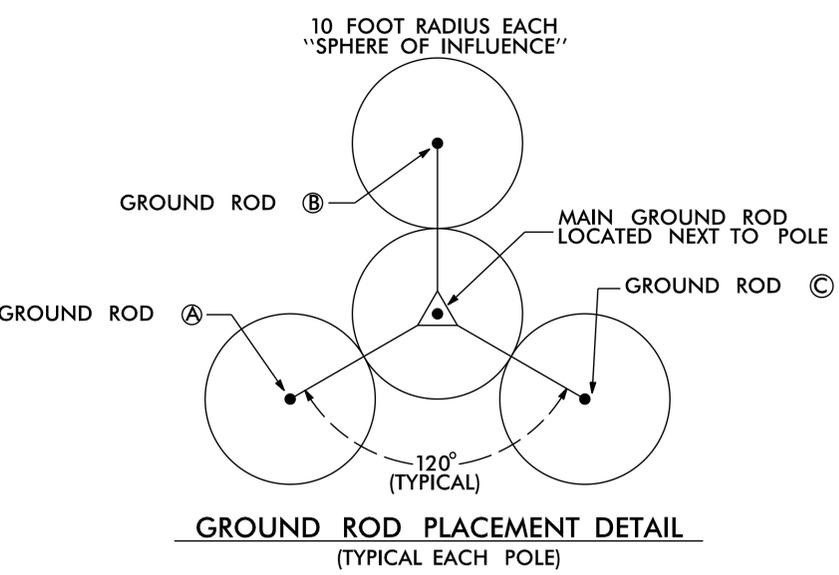
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 NC Firm License No.: F-0342 5438 Wade Park Boulevard Suite 200 Raleigh, NC 27607 Phone: 919-461-1100	Prepared for the Offices of:  STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION Raleigh Signal System	SEAL  COURTNEY L. KALENCIK ENGINEER SEAL 040715
	Post-Let Raleigh Signal System Splice Details Division 5 Wake County Raleigh PLAN DATE: March 2025 PREPARED BY: A. Ravipati PREPARED BY: M.P. Cavanaugh REVIEWED BY: C.L. Kalencik	REVISIONS INIT. DATE _____ _____ _____

3/27/2025  
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**NOTES**

1. BOND CLASS II, 28 STRAND (MINIMUM), 15 AWG (MINIMUM) ROPE-LAY BARE COPPER CONDUCTOR TO THE MAIN GROUND ROD BY AN IRREVERSIBLE MECHANICAL CRIMP. MAINTAIN MAXIMUM HORIZONTAL SEPARATION BETWEEN COPPER CONDUCTOR AND RISER.
2. ALL CONNECTIONS TO GROUND RODS SHOULD BE MADE WITH AN IRREVERSIBLE MECHANICAL CRIMP METHOD.
3. THE CONTRACTOR MAY, UPON APPROVAL OF THE ENGINEER, INSTALL A 30-FOOT SECTIONAL GROUND ROD FOR INSTANCES WHEN CONDITIONS WILL NOT ALLOW FOR THE INSTALLATION OF THE 3 - RADIAL GROUND RODS.
4. INSTALL MARKER TAPE DIRECTLY ABOVE ALL GROUNDING ELECTRODES AND CONDUCTORS AT A DEPTH OF 12 INCHES.
5. REMOVE BONDING JUMPER BETWEEN EQUIPMENT CABINET GROUND BUSS AND NEUTRAL BUSS.

	<p>CCTV Camera Installation For Wood Poles Typical Detail</p>		<p>SEAL</p>
	<p>Division 5 Wake County Raleigh</p>	<p>PLAN DATE: March 2025 REVIEWED BY: A. Ravipati</p>	
<p>250 N. Greenfield Place, Garner, NC 27529</p>	<p>SCALE: NONE</p>	<p>REVISIONS</p>	<p>INIT. DATE</p> <p>3/27/2025</p>