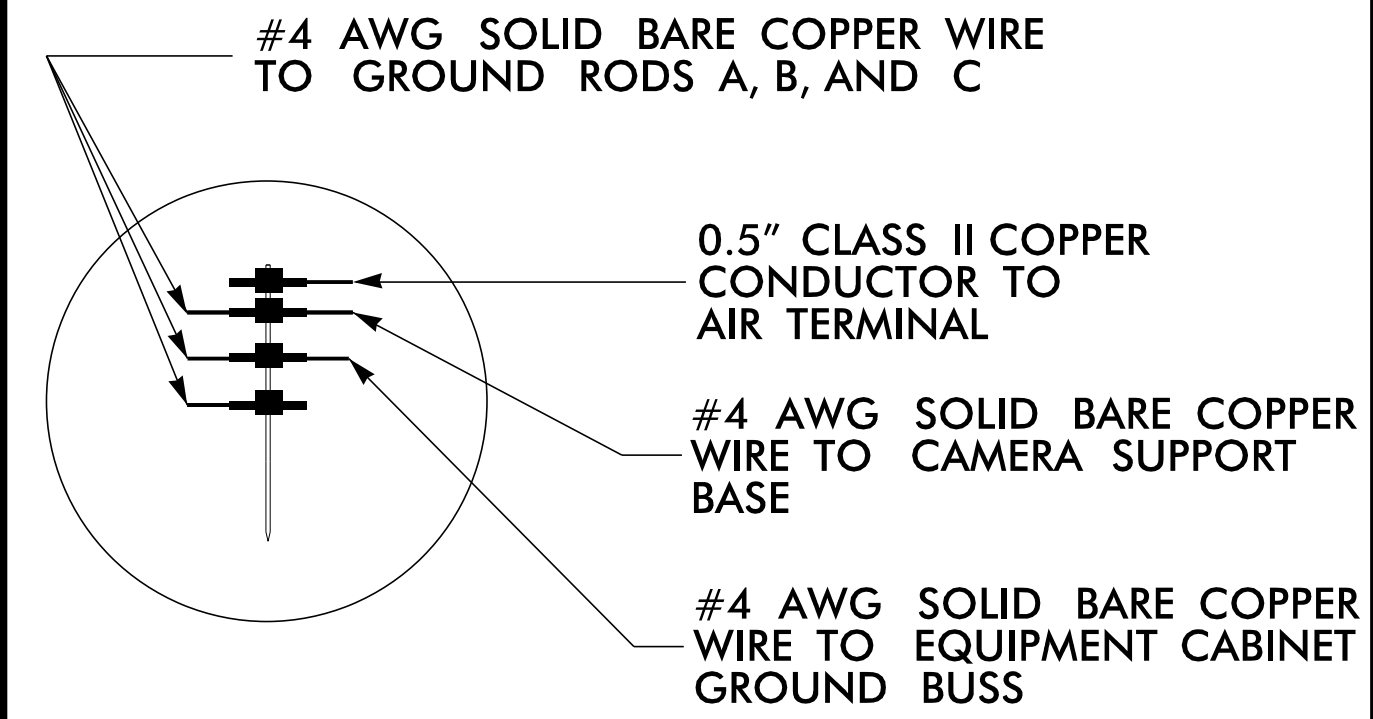
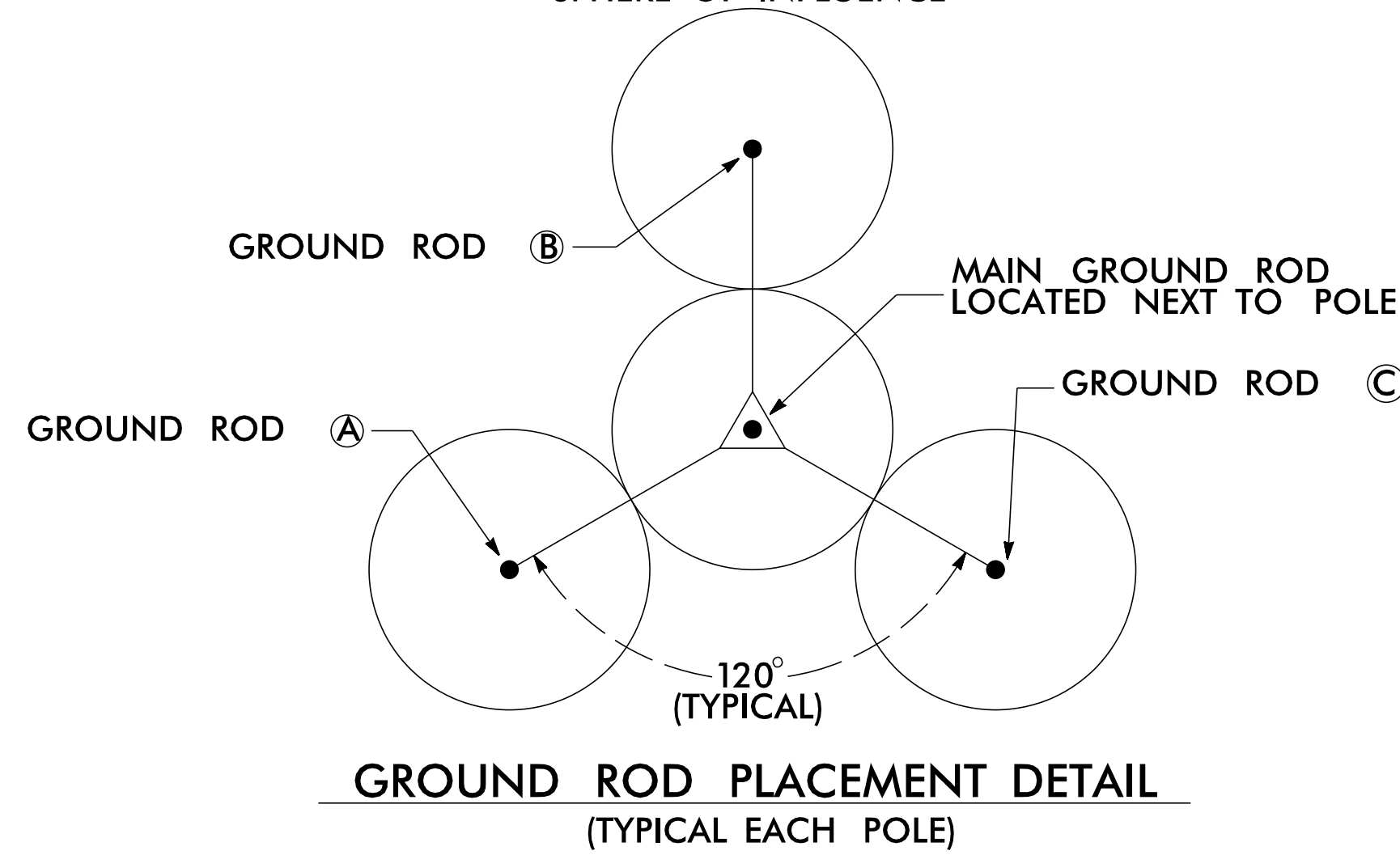


INSET 'A'

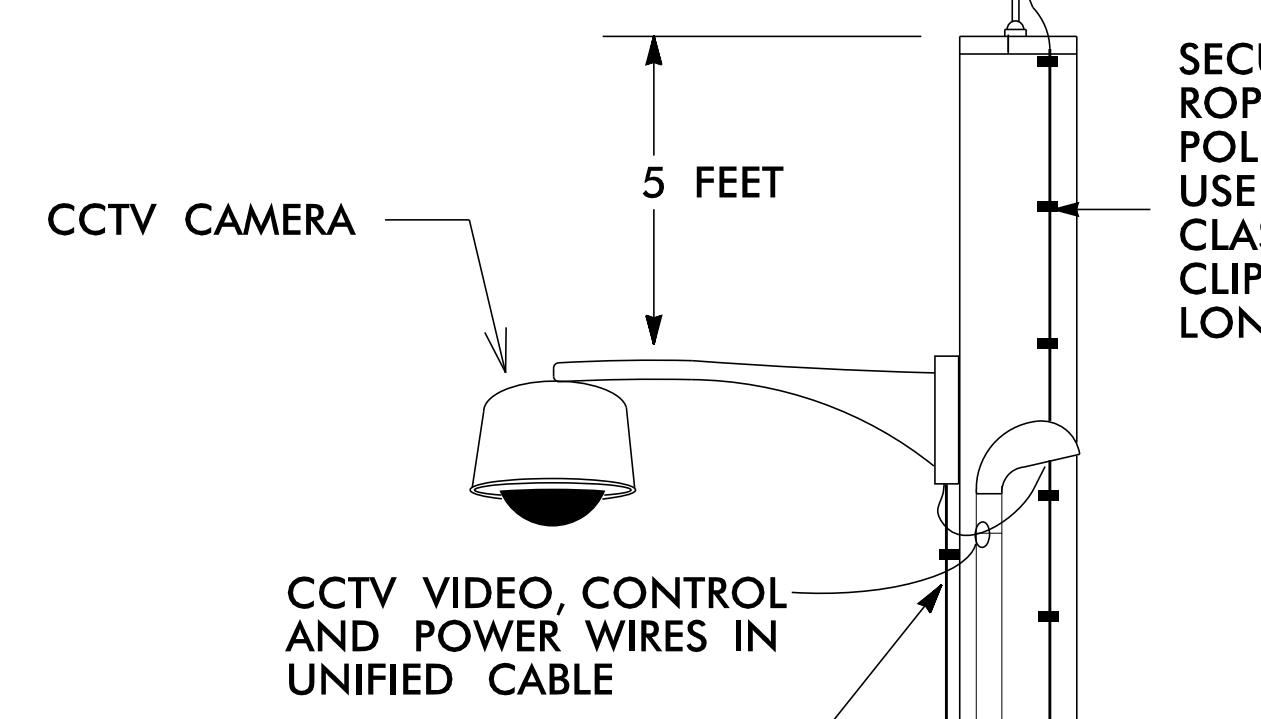


10 FOOT RADIUS EACH "SPHERE OF INFLUENCE"



0.5 INCH X 36 INCH MINIMUM COPPER-CLAD AIR TERMINAL (CLASS II)

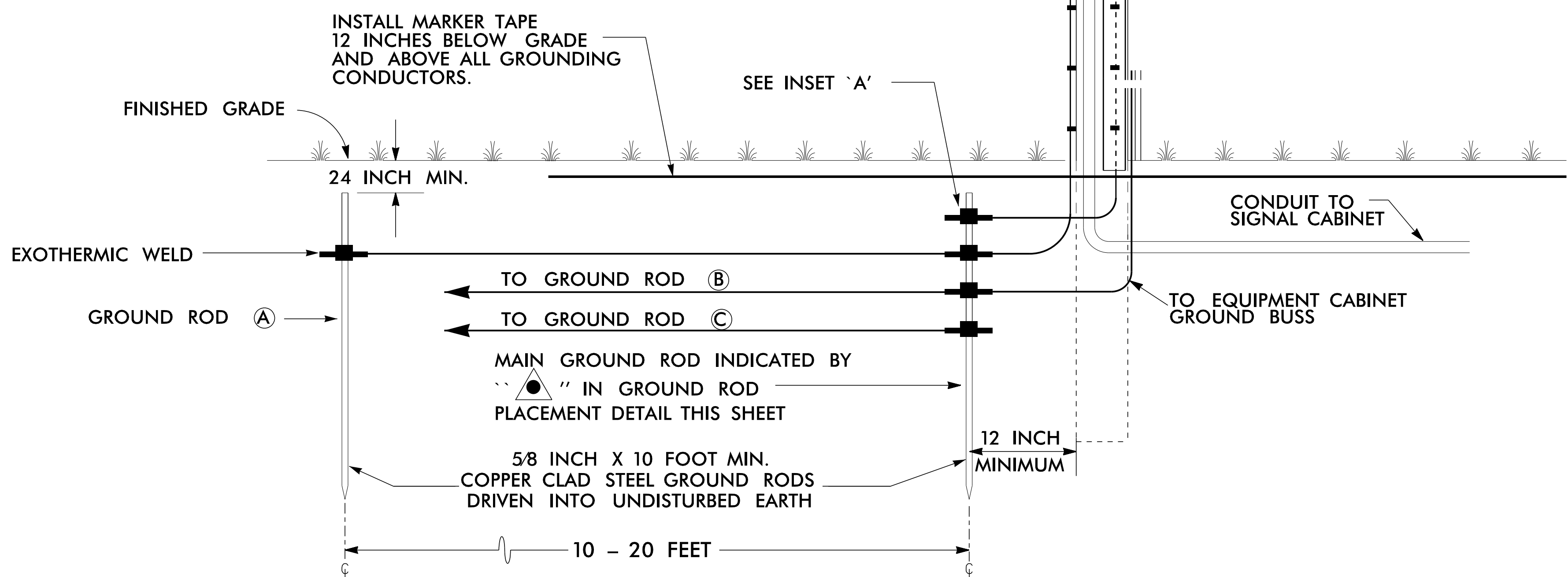
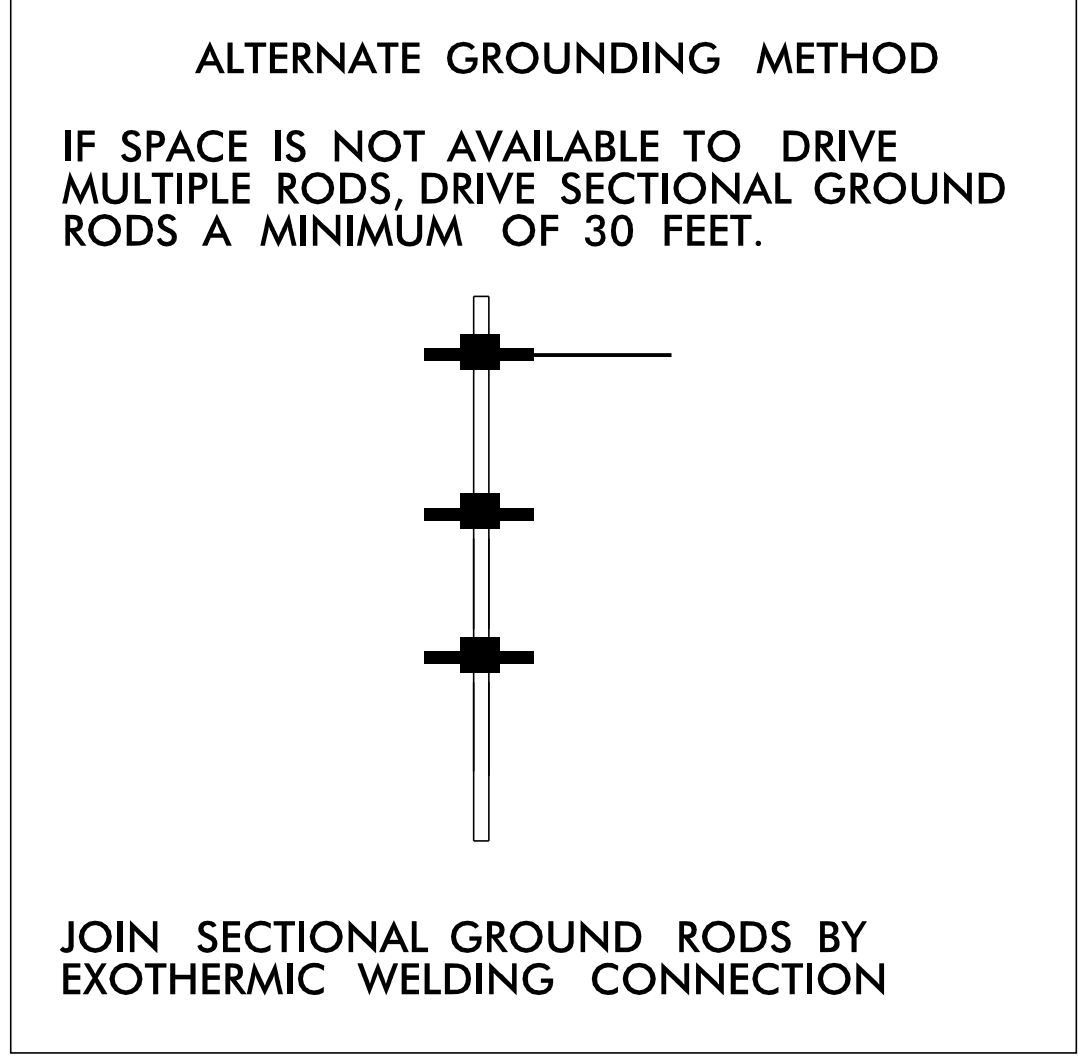
MECHANICALLY BOND CLASS II, 28 STRAND (MINIMUM), 15 AWG (MINIMUM) ROPE LAY BARE COPPER LIGHTNING CONDUCTOR TO THE AIR TERMINAL.



SECURE CLASS II, 28 STRAND (MINIMUM), 15 AWG (MINIMUM), ROPE-LAY BARE COPPER LIGHTNING CONDUCTOR TO THE POLE ON 24 INCH CENTERS. USE COPPER CABLE CLIPS DESIGNED FOR USE WITH THE CLASS II COPPER CONDUCTOR. SECURE EACH COPPER CABLE CLIP TO THE POLE USING A 0.25 INCH DIAMETER X 1.5 INCH LONG HEX HEAD, GALVANIZED SCREW.

BOND #4 AWG SOLID BARE COPPER WIRE TO CAMERA SUPPORT BASE BY AN ALUMINUM TO COPPER #2 - #14 AWG LUG. ATTACH TO CAMERA BASE WITH A STAINLESS STEEL SELF TAPPING SCREW. REMOVE PAINT OR PROTECTIVE COATING WHERE ATTACHING LUG ONLY.

INSTALL 2-INCH PVC U-GUARD OVER COPPER CONDUCTOR FROM GROUND LEVEL TO 10 FEET (MINIMUM) ABOVE THE GROUND.



NOTES

1. BOND CLASS II, 28 STRAND (MINIMUM), 15 AWG (MINIMUM) ROPE-LAY BARE COPPER CONDUCTOR TO THE MAIN GROUND ROD BY AN EXOTHERMIC WELD METHOD. MAINTAIN MAXIMUM HORIZONTAL SEPARATION BETWEEN COPPER CONDUCTOR AND RISER.
2. EXOTHERMICALLY WELD ALL CONNECTIONS TO GROUND RODS.
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.

<p>Kimley»Horn</p> <p>NC License #F-0102 421 Fayetteville St., Suite 600 Raleigh, NC 27636 Tel: (919) 677-2000 Fax: (919) 677-2050</p>	<p>Plans Prepared For:</p> <p>FAYETTEVILLE COMPUTERIZED SIGNAL SYSTEM</p> <p>CCTV CAMERA INSTALLATION FOR WOOD POLES WITHOUT ELECTRICAL SERVICE</p>	<p>SEAL</p> <p>NORTH CAROLINA PROFESSIONAL ENGINEER</p> <p>SEAL 030472</p> <p>KEVIN W. SMITH</p> <p>11/15/2016</p>
	<p>DIVISION 06 CUMBERLAND COUNTY</p> <p>PLAN DATE: NOVEMBER 2016 REVIEWED BY: K. NICHOLAS</p> <p>PREPARED BY: J. CROSS REVIEWED BY: K. SMITH</p> <p>SCALE: 0</p>	<p>REVISIONS</p> <p>INIT. DATE</p> <p>SIGNATURE DATE</p> <p>CADD Filename:</p>

11/15/2016 K:\ARL\TPTD\ITS\01036305 - Fayetteville Sig Sys\Plans\01036305\_ITS\_psh\_id.dwg