

STEEL POLE

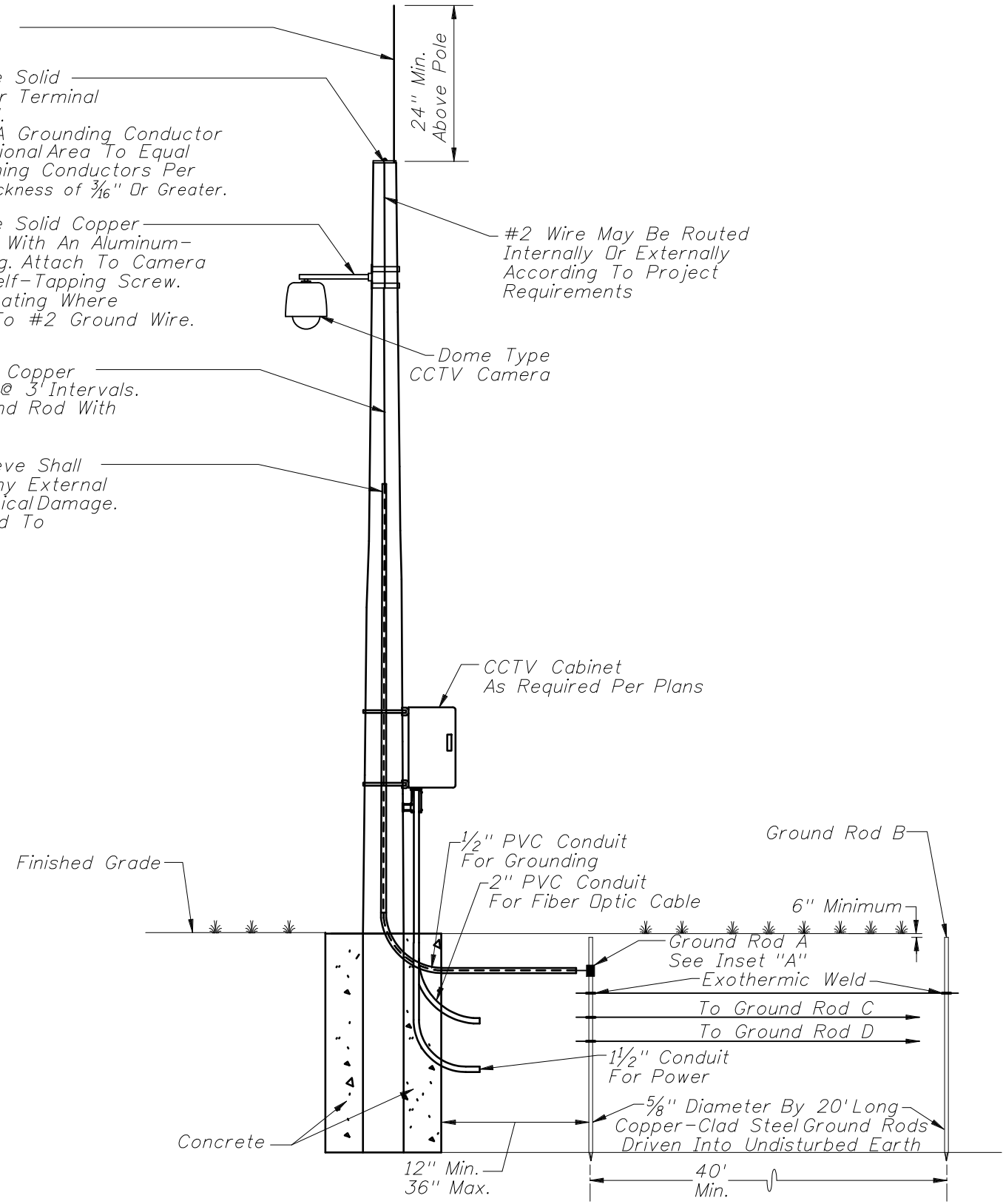
1/2" ETP Alloy 110 Copper Air Terminal (Class II)

Bond #2 AWG Tin-Plated Bare Solid Copper Ground Wire To The Air Terminal By An Exothermic Weld Method. A Steel Pole May Be Used As A Grounding Conductor If It Has Sufficient Cross-Sectional Area To Equal The Conductivity Of Main Lightning Conductors Per NFPA 780 And A Minimum Wall Thickness Of 3/16" Or Greater.

Bond #4 AWG Tin-Plated Bare Solid Copper Wire To Camera Support Base With An Aluminum-To-Copper #2 - #4 AWG Lug. Attach To Camera Base Using A Stainless Steel Self-Tapping Screw. Remove Paint Or Protective Coating Where Attaching Lug. Bond #4 Wire To #2 Ground Wire.

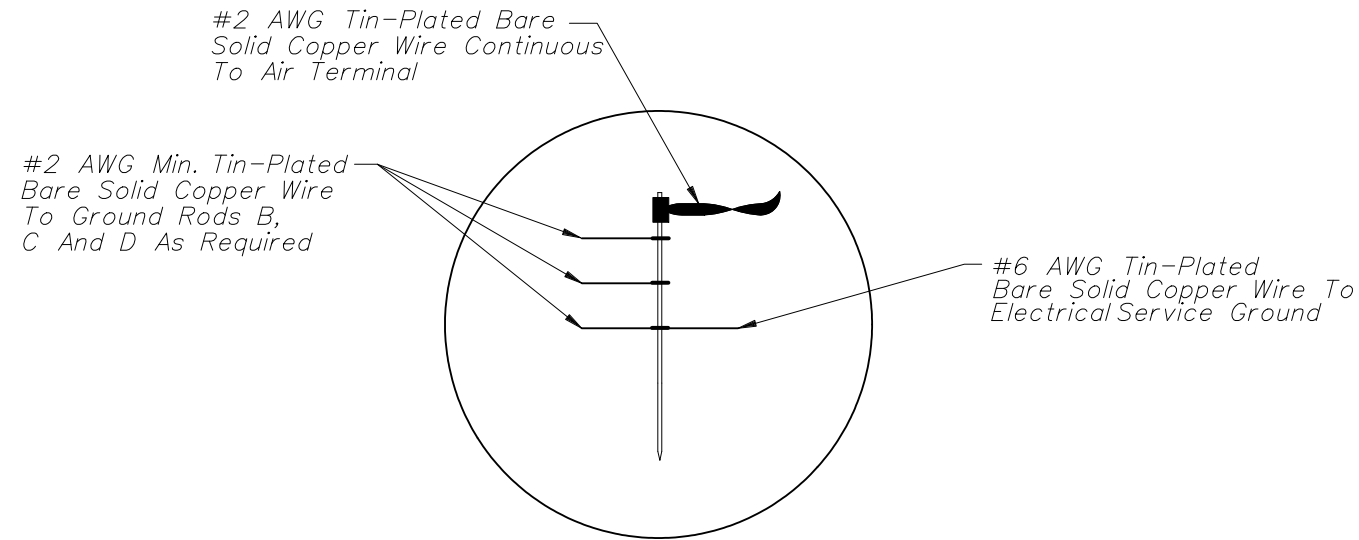
#2 AWG Tin-Plated Bare Solid Copper Wire. Clamp To Concrete Pole @ 3' Intervals. Bond To Air Terminal And Ground Rod With Exothermic Weld.

1/2" X 10' PVC Conduit Sleeve Shall Be Provided To Protect Any External Ground Wire From Mechanical Damage. Ensure Conduits Are Sealed To Prevent Water Intrusion.



CONCRETE POLE

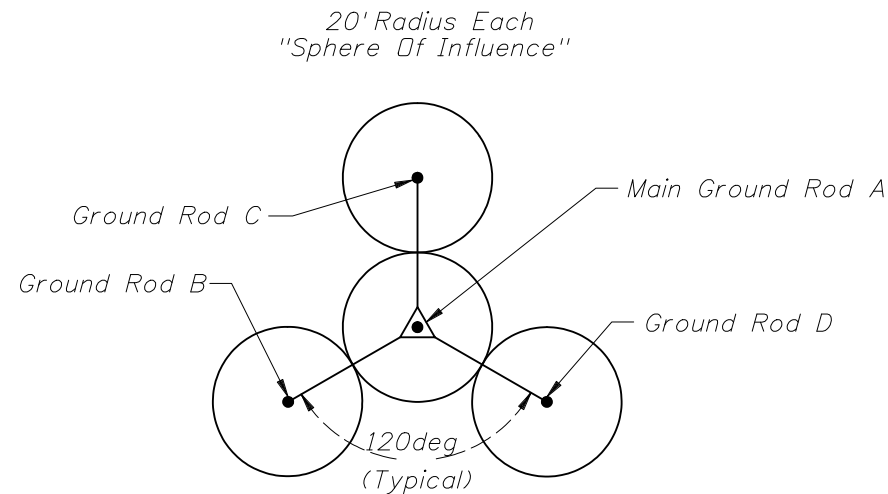
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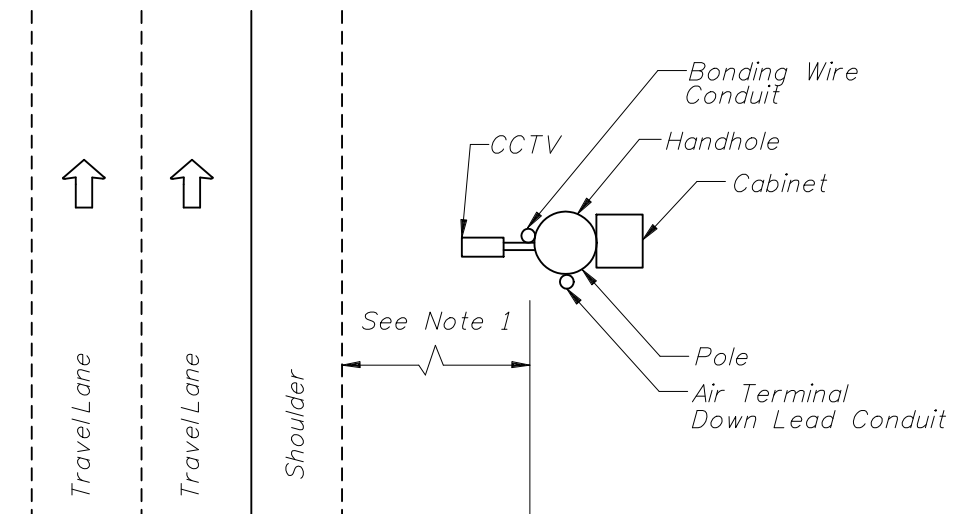
INSET "A"

GENERAL NOTES:

1. Distance must be in accordance with project design documents and greater than or equal to minimum clear zone requirements.
2. Exothermically weld all connections to ground rods.
3. Install marker tape directly above all grounding electrodes and conductors at a depth of 6".
4. All data, coaxial and power cables to the camera shall be completely concealed.
5. All air terminals must meet UL-96A.
6. Ground rod A is required. Ground rods B, C and D will be required as necessary to meet the ground resistance requirements in the contract documents.
7. Place ground system within right of way.
8. Route all camera cables inside arm of mounting bracket.
9. Main ground rod to be placed immediately adjacent to pole.



GROUND ROD PLACEMENT DETAIL
(Typical Each Pole)



ORIENTATION OF CONDUITS AND DEVICES ON POLE

Not To Scale



2008 FDOT Design Standards

CCTV POLE GROUNDING

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18102	