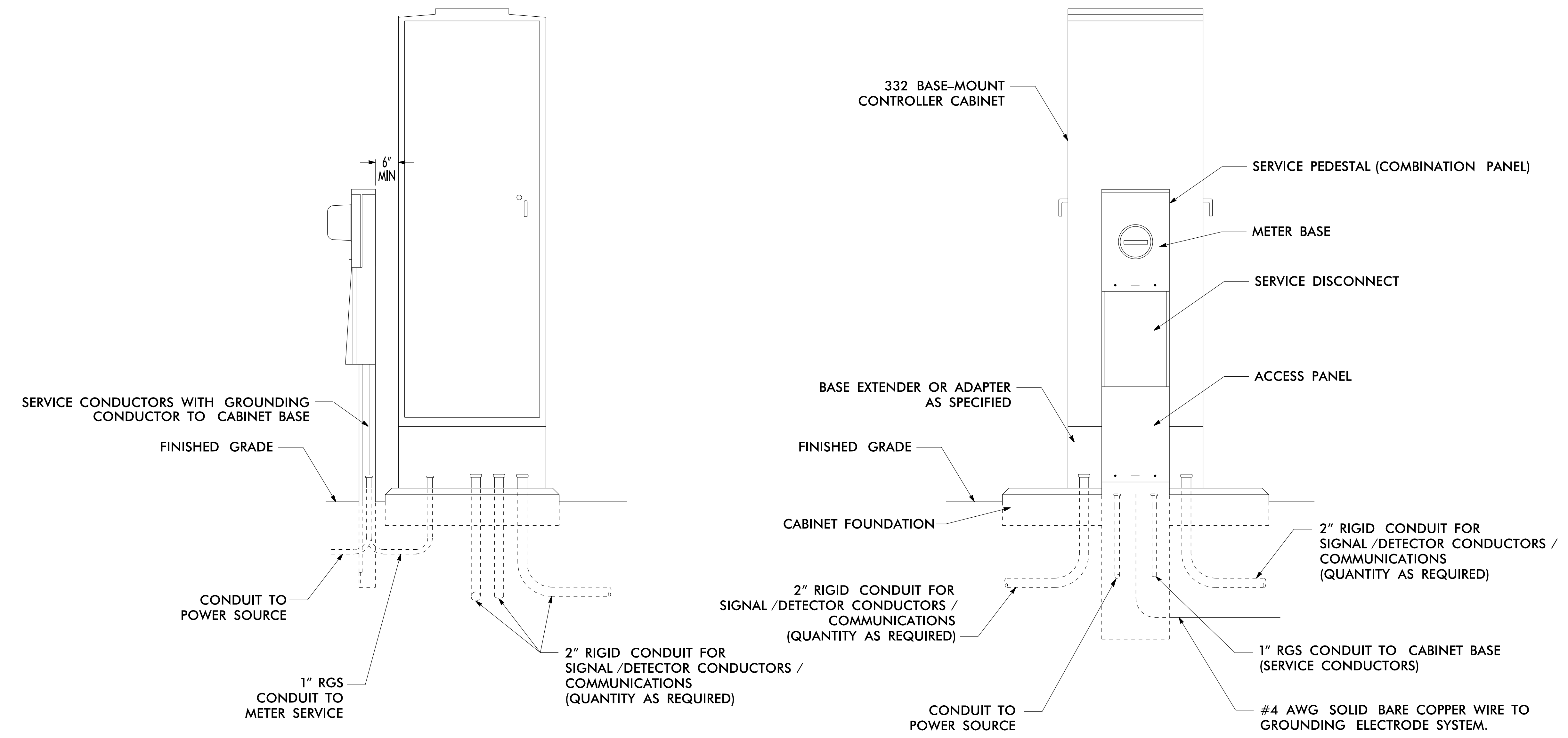


## GROUND MOUNTED ELECTRICAL SERVICE DETAIL



### NOTES

1. TEST GROUNDING SYSTEM USING AN APPROVED METHOD IN ACCORDANCE WITH SPECIAL PROVISIONS. INSTALL GROUND RODS AS DIRECTED BY THE ENGINEER TO MEET THIS REQUIREMENT.
2. REMOVE ANY EXISTING GROUND RODS IN CONCRETE CABINET FOUNDATION BY CUTTING OFF FLUSH WITH FOUNDATION SURFACE.
3. REMOVE BONDING JUMPER IN EQUIPMENT CABINET IF INSTALLED BETWEEN AC NEUTRAL AND EQUIPMENT GROUND.
4. BOND ALL RIGID GALVANIZED STEEL CONDUITS ENTERING THE CABINET TO "EQUIPMENT GROUND".
5. INSTALL RIGID GALVANIZED STEEL CONDUIT (MINIMUM 1") BETWEEN DISCONNECT AND CABINET.
6. SERVICE DISCONNECT GROUND BUS BAR SHALL PROVIDE FOR 2 #4 AWG CONNECTIONS.
7. IF CONDITIONS REQUIRE SERVICE PEDESTAL TO BE INSTALLED IN FRONT OR REAR OF CABINET, MAINTAIN SUFFICIENT CLEARANCE FOR DOOR TO FULLY OPEN.

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DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

 Prepared for the Offices of: <b>NC</b> Transportation 750 Greenfield Parkway, Garner, NC 27529	Asheville Signal System Ground Mounted Electrical Service Detail		SEAL  SEAL 019962 HENRY ALFRED BAGGETT III PROFESSIONAL ENGINEER STATE OF NORTH CAROLINA
	Division 13 Buncombe County Asheville		
PLAN DATE: December 2016 REVIEWED BY: M B Toth		PREPARED BY: A M Quigley REVIEWED BY: J T Brooks	
SCALE N.T.S.		REVISIONS INIT. DATE	
DATE		DATE	

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