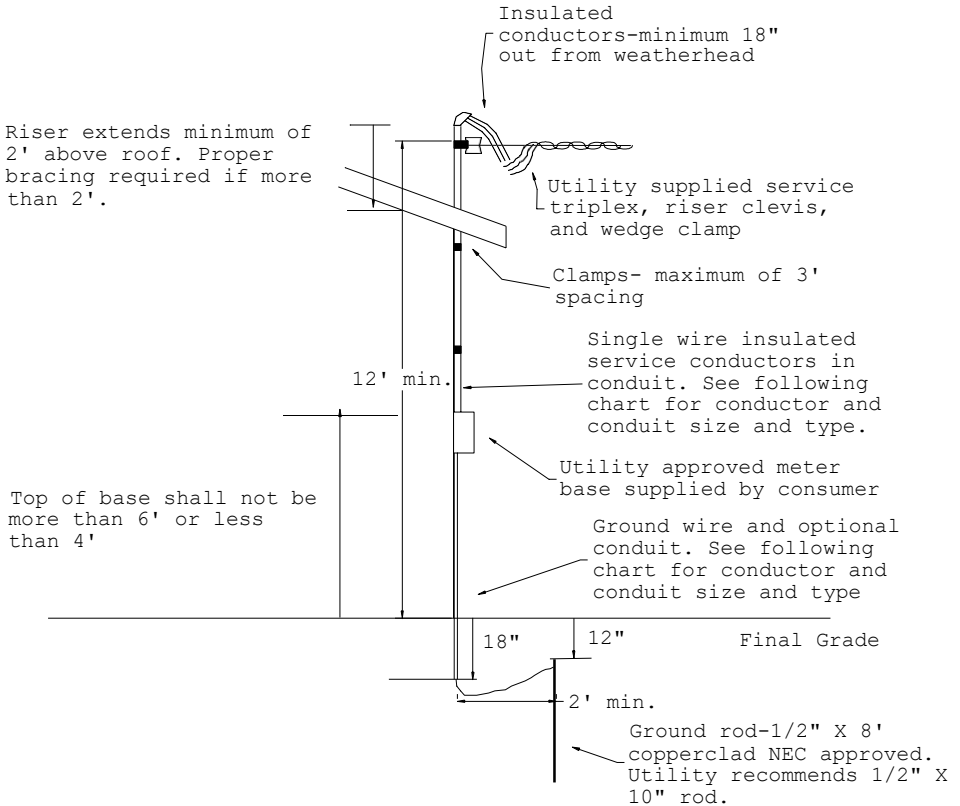


LOAD BEARING OH SERVICE INSTALLATION



RESIDENTIAL OVERHEAD SERVICE REQUIREMENTS

Service	Min. Riser Diameter		Entrance Cable Min. Size		Ground Wire Min. Size	Rigid or PVC Ground Wire Riser Min. Size
	Load Bearing	Non-Load Bearing				
Loop Size	Rigid Steel	Rigid Steel or 80 PVC	CU.	AL	CU	
100 A	2"	2"	#4	#2	#6	½"
200 A	2"	2"	2/0	4/0	#4	½"
400 A	3"	3"	400 MCM	600 MCM	#2	½"
600 A	4"	4"	1000 MCM		2/0	1"

• **Notes**

1. Aluminum not allowed by all local building authorities.
2. All metal conduits must have bushings at each end.
3. Conduit and ground rod to extend below ground level as noted on drawing.
4. All meter sockets installed on the REMC's system shall comply with U.L. 486B, U.L. 414, NEMA 250, and ANSI-C12.7 standards.
5. Utility with jurisdiction supplied material.
 - a. Meter
 - b. Service wire installed by REMC from transformer pole to the entrance wire stub out at weatherhead.
6. For services 50KVA or greater, owner must provide proof that the AIC (Ampere Interrupting Capacity) rating of panel, main and sub breakers exceeds the available short circuit current. Short circuit current information can be obtained from SCI Engineering. SCI requires that 50KVA or greater services carry labels displaying the equipment AIC.

LOAD BEARING OH SERVICE INSTALLATION NOTES

1. Where necessary, install a guy wire from the top of the riser, to a rafter, to secure the riser against the strain of the service wires. All load bearing risers must be capable of withstanding a 1500lb pull.
2. Inside main fused disconnect(s) shall be within 10 "wire" feet of meter base. Where the fused main disconnect(s) are located outside, they shall be placed immediately adjacent to the meter base. Outside fused main disconnect(s) shall be rain tight.
3. Ground wire installed in metal conduit, must be bonded at both ends to grounding conductor. Service may be grounded at panel or meter base but not both. Install ground rod and attach ground wire to rod with a one-bolt ground rod clamp (water pipe clamps not acceptable). *Reference local requirements for ground rod installation.*