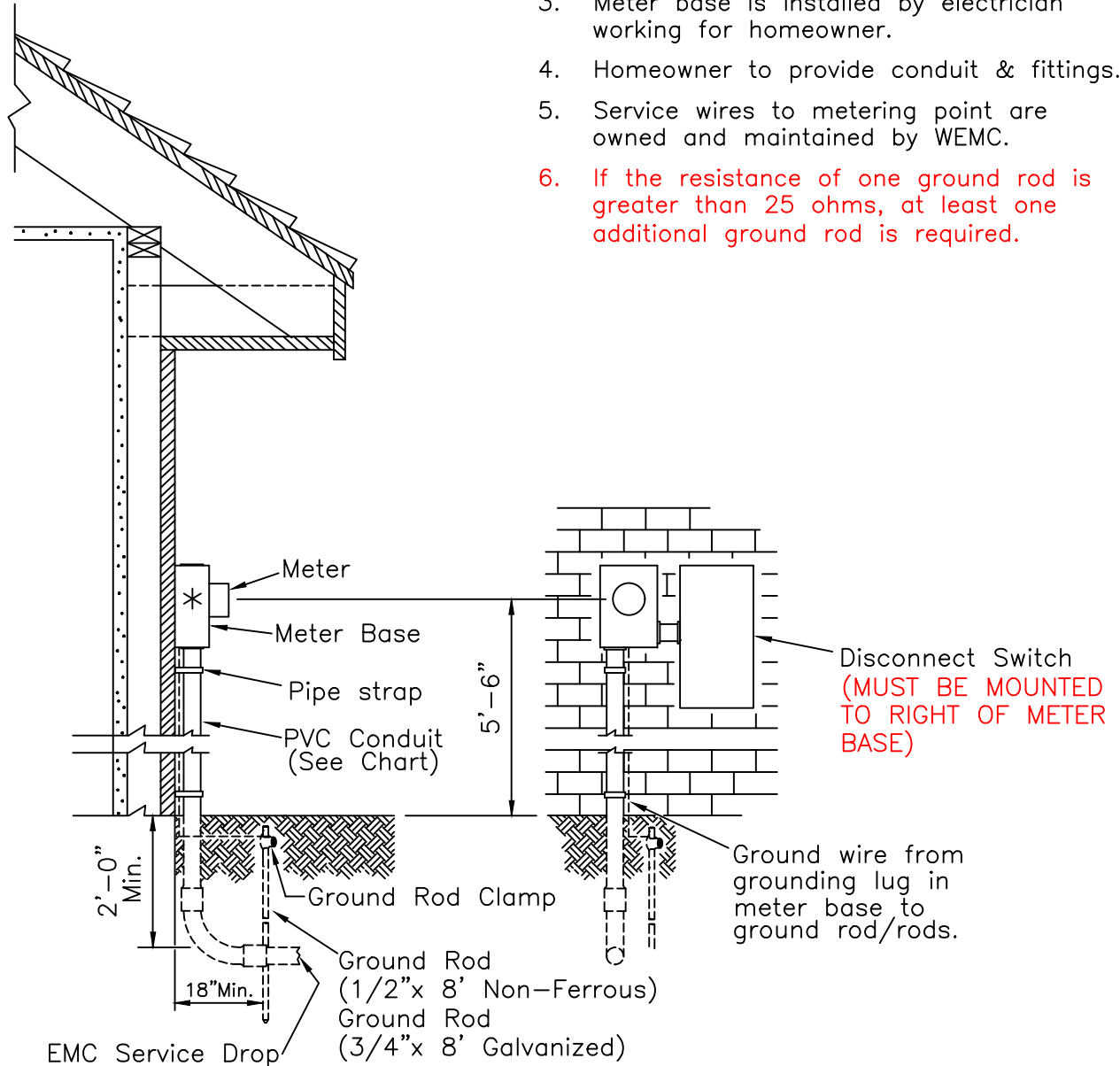


Consumer Owned Service Entrance Sizing Chart

MAIN Entrance size in AMPS	SIZE Copper Service Wire	SIZE Rigid Conduit or PVC	SIZE Aluminum Service Wire	SIZE Rigid Conduit or PVC	SIZE Ground Wire
100	#4	2"	#2	2"	#6
150	#1	2"	2/0	2"	#6
200	2/0	2"	4/0	2"	#4
225	4/0	2"	300mcm	2 1/2"	#2
250	250mcm	2 1/2"	350mcm	2 1/2"	#2
300	350mcm	3"	500mcm	3"	#2
400	500mcm	3"		3"	1/0

NOTES:

1. Local code authorities may have requirements in addition to those given here. The number of ground rods required may vary with each County code authority.
2. \*A disconnect switch is required. It should be mounted to the right of the meter base if a combination meter main is not used.
3. Meter base is installed by electrician working for homeowner.
4. Homeowner to provide conduit & fittings.
5. Service wires to metering point are owned and maintained by WEMC.
6. If the resistance of one ground rod is greater than 25 ohms, at least one additional ground rod is required.



DESIGN PARAMETERS:

UNDERGROUND SERVICE ENTRANCE REQUIREMENT



Washington EMC

NOV 2023

WEMC

SECONDARY  
120/240 VOLT

K4.2G.URD