

Consumer Owned Service Entrance Sizing Chart

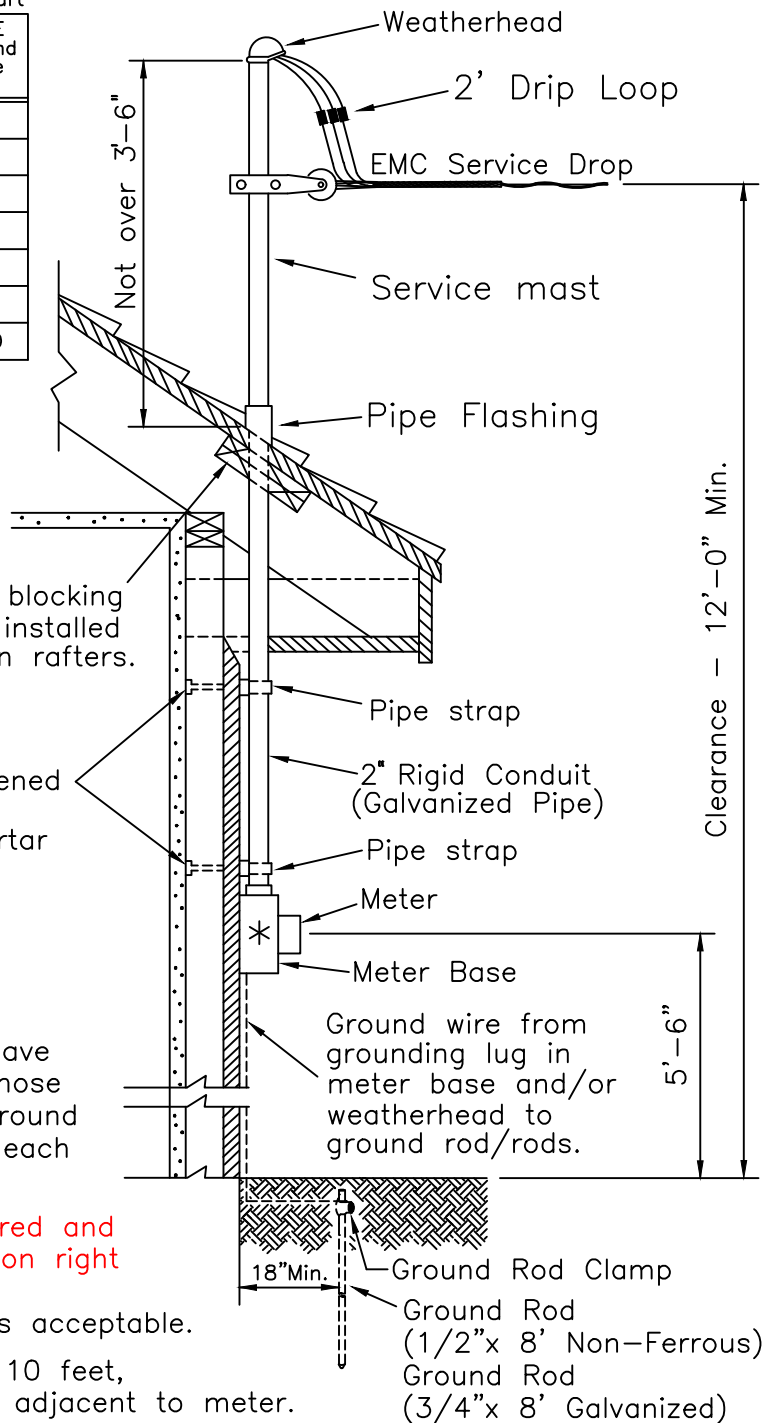
MAIN Entrance size in AMPS	SIZE Copper Service Wire	SIZE Rigid Conduit or PVC	SIZE Aluminum Service Wire	SIZE Rigid Conduit or PVC	SIZE Ground Wire
100	#4	2"	#2	2"	#6
150	#1	2"	2/0	2"	#6
200	2/0	2"	4/0	2"	#4
225	4/0	2"	300mcm	2 1/2"	#2
250	250mcm	2 1/2"	350mcm	2 1/2"	#2
300	350mcm	3"	500mcm	3"	#2
400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

NOTE:

Contact local EMC concerning paralleling service entrance conductors when using direct metering for these service entrance sizes.

NOTES:

- 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.
- *A disconnect switch is required and MUST be mounted externally on right side or under meter base.**
*A combination meter main is acceptable.
- If length of conduit exceeds 10 feet, coupling is permitted on end adjacent to meter.
- Maximum tension of conduit not to exceed 50% of ultimate strength.
- All clearances to be in conformance to the most stringent requirements of either the NESC, NEC or other codes of governmental or regulating authorities as applicable.



DESIGN PARAMETERS:

OVERHEAD SERVICE ENTRANCE REQUIREMENT



Washington EMC

JUN 2023

WEMC

SECONDARY
120/240 VOLT

K4.2G