

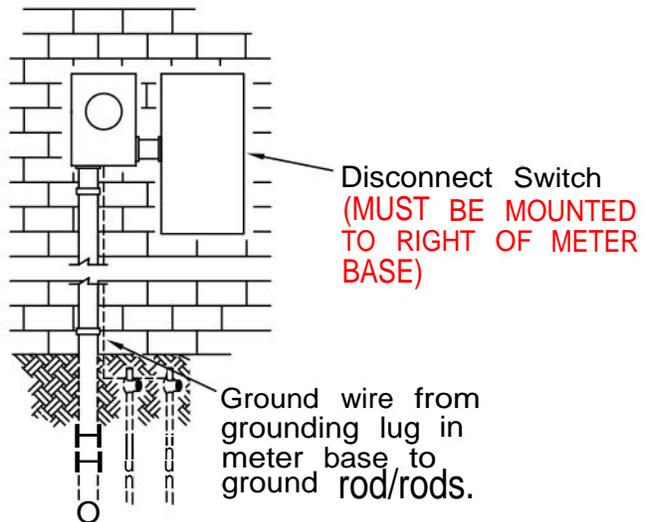
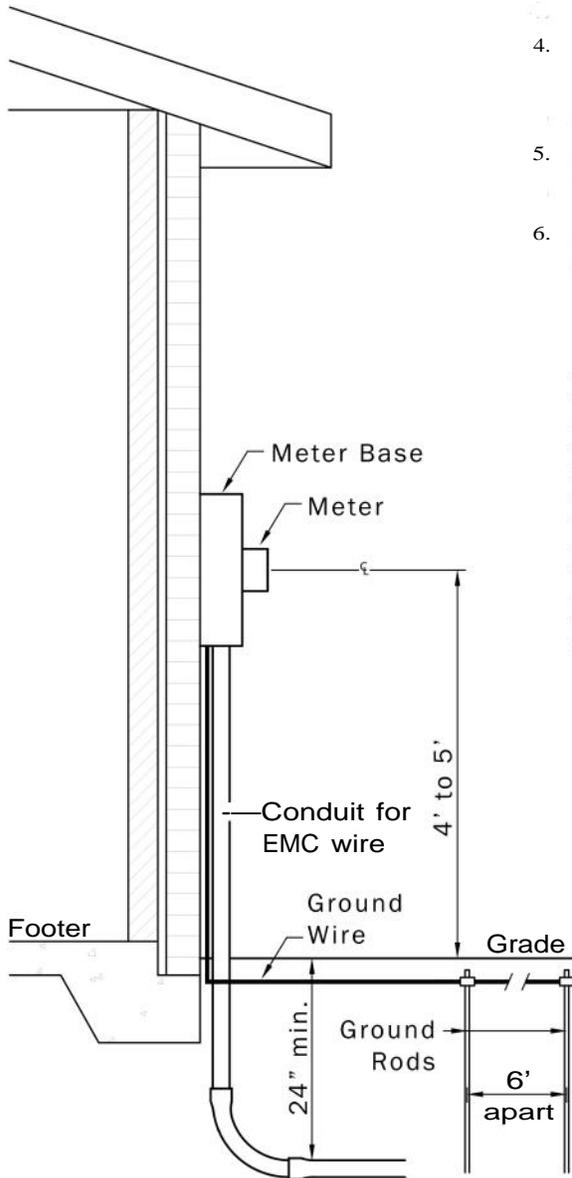
Consumer Owned Service Entrance Sizing Chart

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

## Underground Service to House or Barn

NOTES:

- Some specifications on this page represent minimum standards. Local codes may call for additional or more stringent requirements. Customer/Electrician must ensure compliance with all applicable codes governing electrical service.
- The meter base is furnished by Colquitt EMC and is available at any of our district warehouses to be installed by an electrician working for the customer.
- A disconnect switch is required and must be mounted on the right side of the meter base if a combination-type **Meterbase** is not used.
- The meter base and disconnect switch must be installed and "Service Installation Agreement" must be signed before underground service wire can be installed by Colquitt EMC.
- An electrical inspection must be done and approved by the county/city electrical inspector before Colquitt EMC can turn the power on.
- The customer is responsible for cutting the footer and supplying the conduit materials (At least 8' of schedule 40 conduit, male adaptor, and lock ring in the applicable size).



Sizing of Conduit for Colquitt EMC Wire

Size of Meter Base	Size conduit required for Colquitt EMC service wires entering the meter base
200 Ampere	2 1/2 inch
400 Ampere	3 inch

DESIGN PARAMETERS:

UNDERGROUND SERVICE ENTRANCE REQUIREMENT



Colquitt EMC

JUL 2025

CEMC

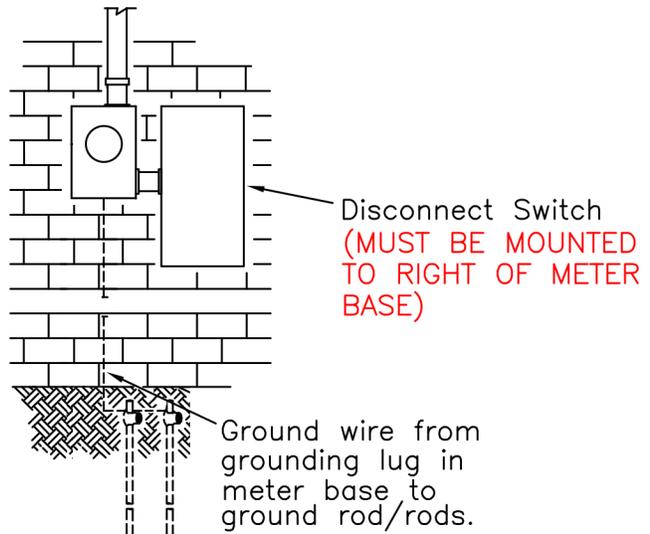
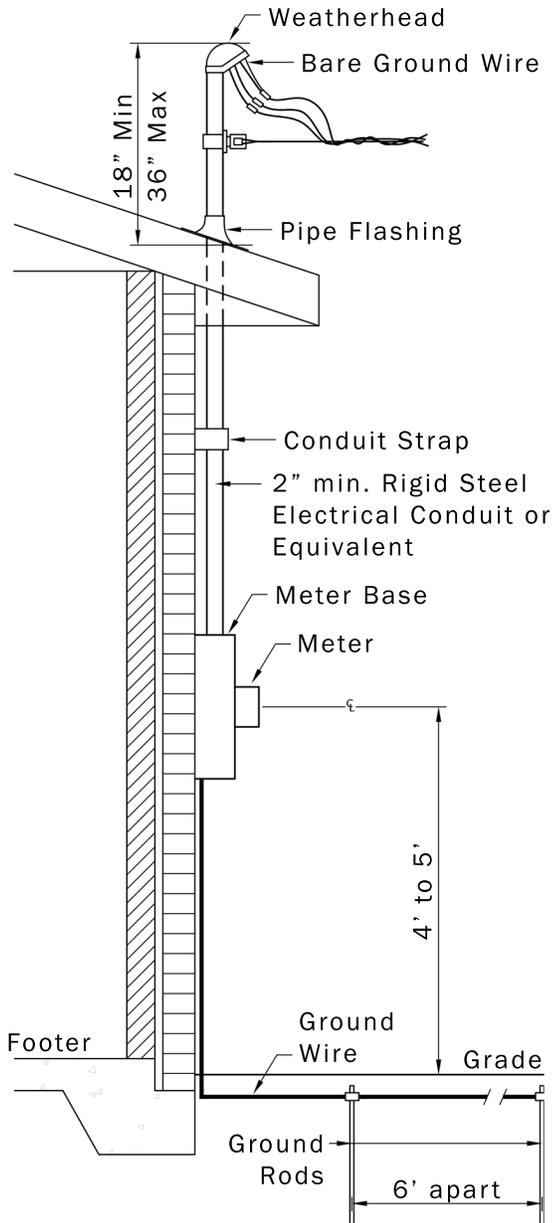
SECONDARY  
120/240 VOLT

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

### Overhead Service to House or Barn

1. Overhead Service to House or Barn  
Some specifications on this page represent minimum standards. Local codes may call for additional or more stringent requirements. Customer/Electrician must ensure compliance with all applicable codes governing electrical service.
2. The meter base is furnished by Colquitt EMC and is available at any of our district warehouses to be installed by an electrician working for the customer.
3. A disconnect switch is required and must be mounted on the right side or under the meter base if a combination-type meter base is not used.
4. The meter base, disconnect switch, and stack must be installed and 'Service Installation Agreement' must be signed before service wire can be installed by Colquitt EMC
5. An electrical inspection must be done and approved by the county/city electrical inspector before Colquitt EMC can turn the power on.
6. All clearances to be in conformance to the most stringent requirements of either the NESC, NEC or other governmental or regulating authorities as applicable.



DESIGN PARAMETERS:

### OVERHEAD SERVICE ENTRANCE REQUIREMENT



Colquitt EMC

JUL 2025

CEMC

SECONDARY  
120/240 VOLT