

Electric Service Guide

Application Process

Permit Information

Service Specifications

Applying for Electric Service

It takes teamwork to make any project go according to plans. When applying for new electric service, there are steps to follow in an effort to expedite the process. It's a good idea to plan on stopping by our office to take care of business.

-
- 4** Application Process/Line Extension Policy
 - 5** County Permits
 - 6** Meter Base
 - 8** Call Before You Dig
 - 9** Member Owned Equipment
 - 10** Wire Chart for Electric Entrance Specifications
 - 12** Temporary Unit Served from Overhead Line
 - 13** Temporary Unit Served from Underground Lines
 - 14** Meter on Building / Overhead Services
 - 15** Meter on Building / Underground Service
 - 16** Meter Pedestal / Underground Service
 - 17** Meter Pedestal / Underground Service (320Amps)
 - 18** Meter Pole
-



Application Process

SIGNATURES REQUIRED

WCREMC requires a signature for the membership application.

SECURITY DEPOSIT

Pending credit approval, Warren County REMC may require a \$500 security deposit (\$700 for renting) before service can be connected.

WCREMC accepts Visa, MasterCard and Discover for your convenience.

Line Extension Policy

When building your home, you may be asked to pay or contribute to the cost of providing the service. If the cost to build your service exceeds the established construction allowance credit, you will be asked to pay the difference before construction begins.

WCREMC furnishes a construction allowance credit toward the cost of installing service to a permanent residence. Costs exceeding this amount require a non-refundable contribution in aid to construction in advance of the line extension.

County Permits

A permit is needed when applying for service. Apply for your permit at the county offices. This is needed for new services and service upgrades to larger service size, example 100 amp to 200 amp or overhead service to underground service. A permit number is needed before construction begins.

COUNTY	PHONE	TYPE PERMIT
Warren County	765-762-6311	Electrical Permit
Inspection sticker required in meter base of temporary unit, permanent and upgraded service.		
Benton County	765-884-1728	Electrical Permit
Inspection sticker required in meter base or temporary unit, permanent and upgraded service.		
Tippecanoe County	765-423-9225	Electrical Permit
Inspection sticker required in meter base or temporary unit, permanent and upgraded service.		
Vermillion County	765-492-5240	Electrical Permit
Inspection sticker required in meter base of temporary unit, permanent and upgraded service.		
White County	574-583-7355	Electrical Permit
Inspection sticker required in meter base of temporary unit, permanent and upgraded service.		

Meter Base

- Customer Furnishes and Owns the Meter Base.
- Meter bases must be U.L. listed.
- Meter bases must be continuous amp rating.
- Meter bases must be installed according to national, state, and county codes, and according to REMC requirements.
- All meter bases must have a swing style latch or other appropriate latch that will prevent unauthorized access and accept a utility padlock or wire style seal.
- All meter base installations must be inspected by the appropriate inspecting authority before electrical service can be connected.
- All installation upgrades and re-wiring of meter bases must be inspected by the appropriate authority.
- Meter bases cannot be located where it will cause a hazard to persons or be subject to damage.
- Meter bases cannot be located in carports, breezeways, enclosed porches, etc. The REMC must have full access at all times.
- Meter bases cannot be mounted on homes that do not have permanent foundations. For homes without permanent foundations, bases must be mounted on a meter pedestal or meter pole.
- All new buildings are required to remain 20FT from overhead primary line.
- All underground services shall be a minimum of 200AMP.
- The REMC must be notified of any hazards or obstacles including member owned utilities (i.e., pipes, septic lines, electrical lines, water lines, etc.) prior to starting construction to extend service overhead or underground. In all cases, hazards and obstacles must be clearly marked and exposed.
- If member owned utilities, hazards or obstacles are not marked and are damaged by REMC or its contractors, it will be the responsibility of the customer to repair the damage.

Other Requirements

- When it is determined the new electric facilities will cross other landowners, an easement will need to be obtained by the new customer with the affected landowner(s) signature.
- Underground services must be at final grade and meter height at 5 feet, 6 inches.
- The minimum width of a 200 amp underground meter base acceptable for use is 11 1/4".
- The REMC requires entrance conduit for REMC wires either in right or left knockout on underground installations because of bending radius of cable.
- Single phase 200 amp meter base with operated jaw release and bypass are permitted.
- All single-phase meter bases rated for 320 amps must be equipped with level-operated jaw release and bypass. The bypass must be rated to carry the full load capacity of the base.
- Self-contained meter bases for loads exceeding 400 amps or for all installations requiring current transformers contact the REMC.
- A Double Lug Meter Base Installations-A disconnect will be required for services to outbuildings, barns, garages, etc.
- For three-phase service installations, contact the REMC for specifications.

INSTALLATION OF METER BASE

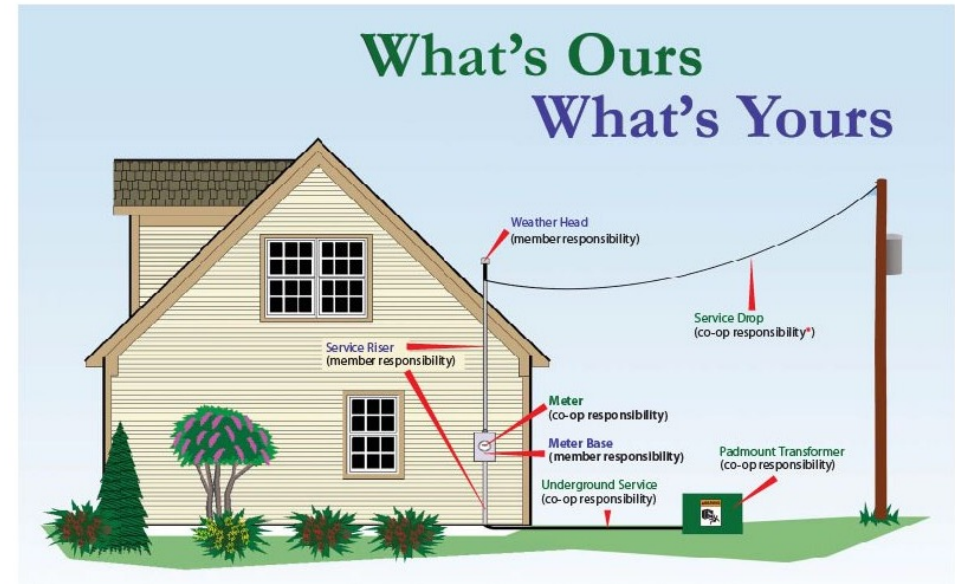
All meter bases must be installed at the closest corner of the structure (side of the house) nearest to the source of service (transformer/pedestal). The REMC will spot the location of the meter base. If the meter base is installed anywhere else on the house, it will be the member's responsibility to relocate the base to the location specified by REMC personnel. The REMC will not run service past the designated location.

Call Indiana811 Before You Dig

Contact the Indiana Underground Plant Protection Service to have all underground utilities located. IUPPS is a free Statewide Utility Notification Service that has been locating underground utility lines since 1984.

Just call 811 at least “2 full working days” but not more than 20 calendar days prior to the start of your excavation to have underground utilities marked. You will need the County and the Township as well as the street address and cross street to properly process your locate request.

Member Owned Equipment



Your property is served by either an overhead service drop or underground service. This illustration shows both.

To eliminate confusion, this drawing depicts member owned equipment necessary for the delivery of electrical power to your home.

Safety is our highest priority, if repair or replacement of member owned service entrance equipment is required, please contact us for a free temporary disconnect.

Call Us at 765-762-6114 or toll free 844-244-0710 to schedule a temporary disconnect. We appreciate 24 hours advance notice for scheduling.



Wire Chart for Electrical Entrance

ENTRANCE SIZE	WIRE SIZE	NEUTRAL	CONDUIT PER NESC AND NEC	COPPER GROUND WIRE	GROUND ROD
Copper					
100 amp	#4	#6	1 ¼"	#4	5/8" x 8'
200 amp	#2/0	#1/0	2"	#4	5/8" x 8'
320	#350 MCM or two 2/0 to 200A panels	#250 MCM or two #1/0 to two 200A panels	2 ½" or 3"	#2 or two #4 to single rod	5/8" x 8'
Aluminum					
100 amp	#2	#4	1 ¼"	#4	5/8" x 8'
200 amp	#4/0	#2/0	2"	#4	5/8" x 8'
320	#500 MCM or two #4/0 to two 200A panels	#350 MCM or two #2/0 to two 200A panels	2 ½" or 3"	#2 or two #4 to single rod	5/8" x 8'

SPECIFICATIONS

The five drawings in this service specification guide are for installing a new service or upgrading an existing service.

These drawings include:

1. Overhead service for a temporary unit used while under construction.
2. Underground service for a temporary unit used while under constructions.
3. Overhead service with meter installed on house.
4. Underground service with meter installed on house.
5. Underground service to a customer-built meter pedestal.

Occasionally, a specification may be needed for some other service than mentioned above. In this case, please consult with the Operations Department for instructions and details.

NOTE

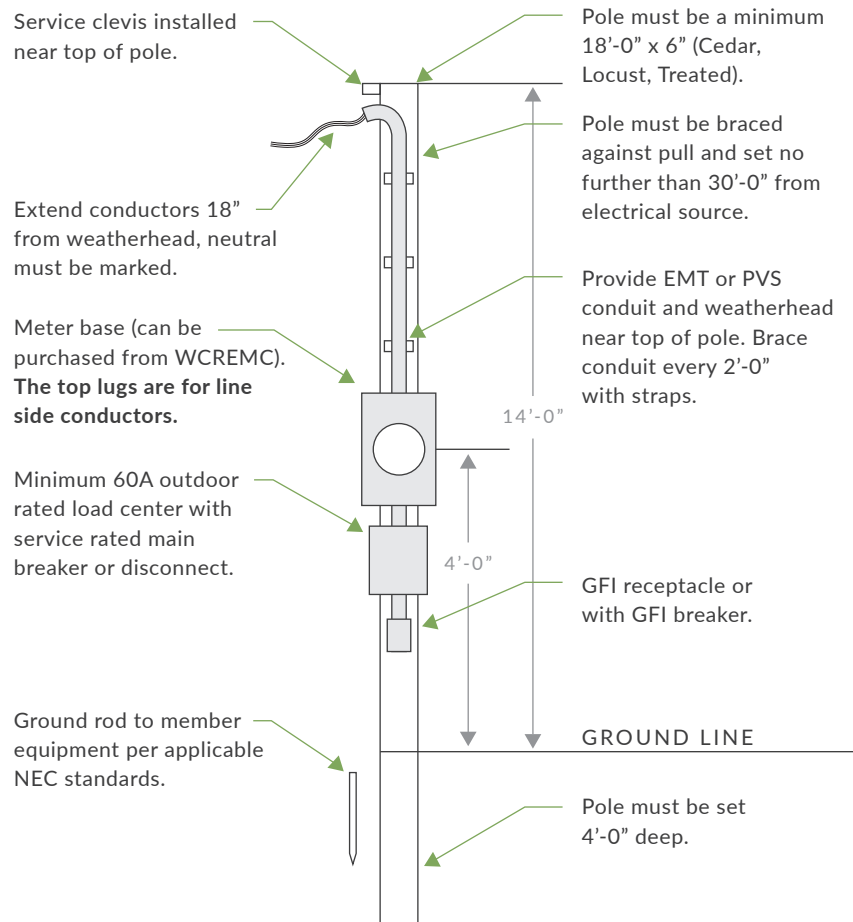
- Reference service entrance rating requirement for entrance cable per the National Electric Code.
- Exceptions to this are the jurisdiction of the local building inspector.

Installation must always be in accordance with the rules set in the latest revision of the National Electric Code.

Temporary Unit

SERVED FROM OVERHEAD LINES

Furnished and installed by customer or contractor



NOTE

Neutral wire must be marked.

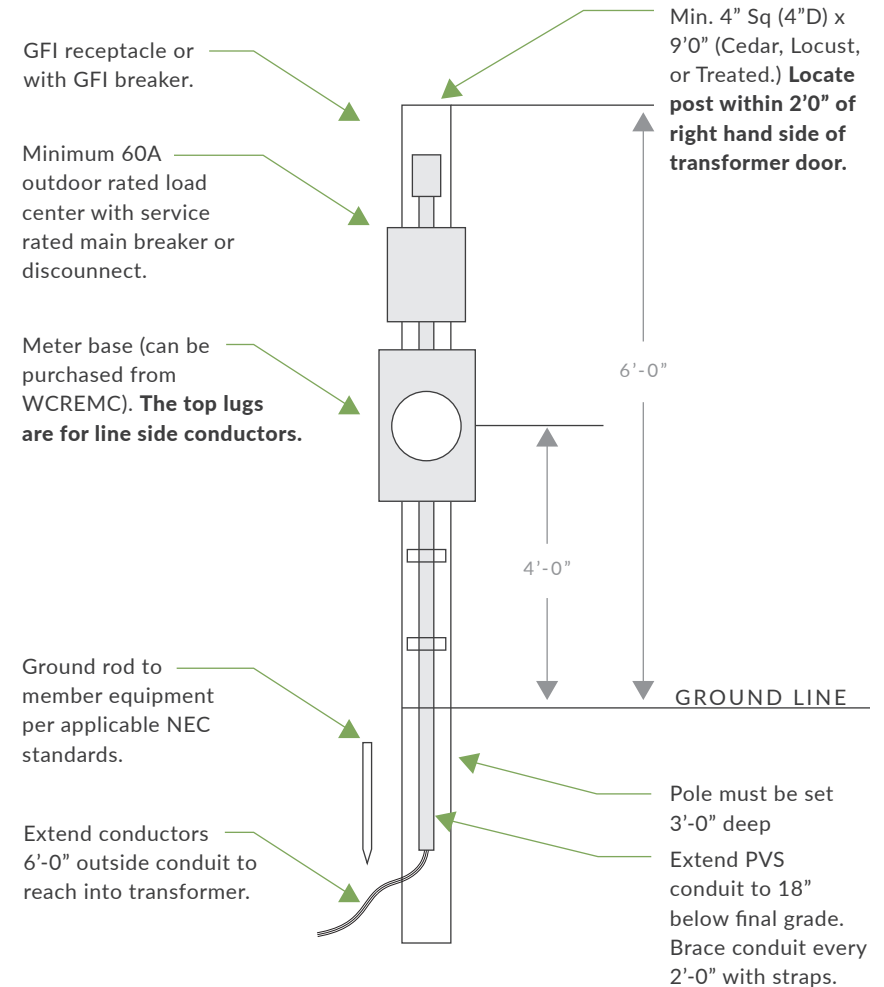
NOTE

Customer to install the temporary unit. An REMC representative will determine where the unit will be set by meeting with contractor or customer.

Temporary Unit

SERVED FROM UNDERGROUND LINES

Furnished and installed by customer or contractor



NOTE

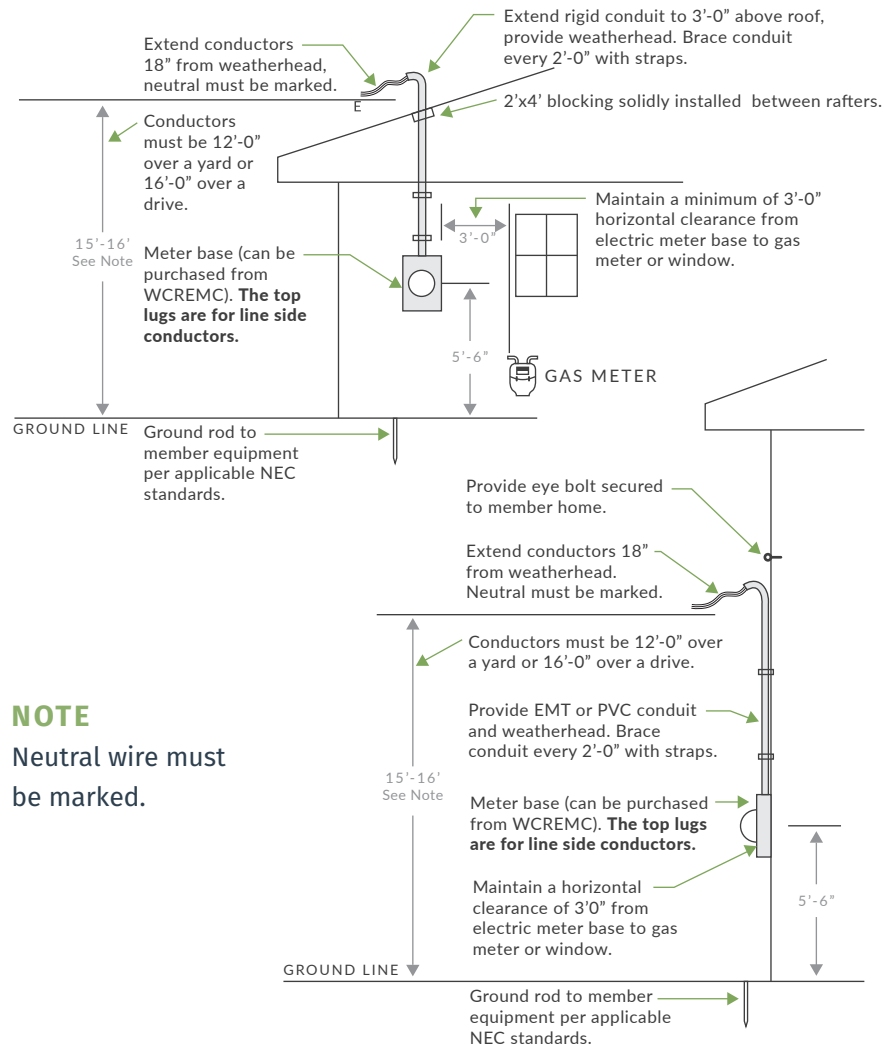
Customer to install the temporary unit. Set temporary unit 2' from transformer or pedestal on the right side (looking at lock).

Meter on Building

OVERHEAD SERVICE

The customer or electrician will install all grounding, meter base, and complete entrance up to and including the weather head.

For a two-story or bi-level with the entrance below overhang, an eyebolt must be installed for REMC attachment.



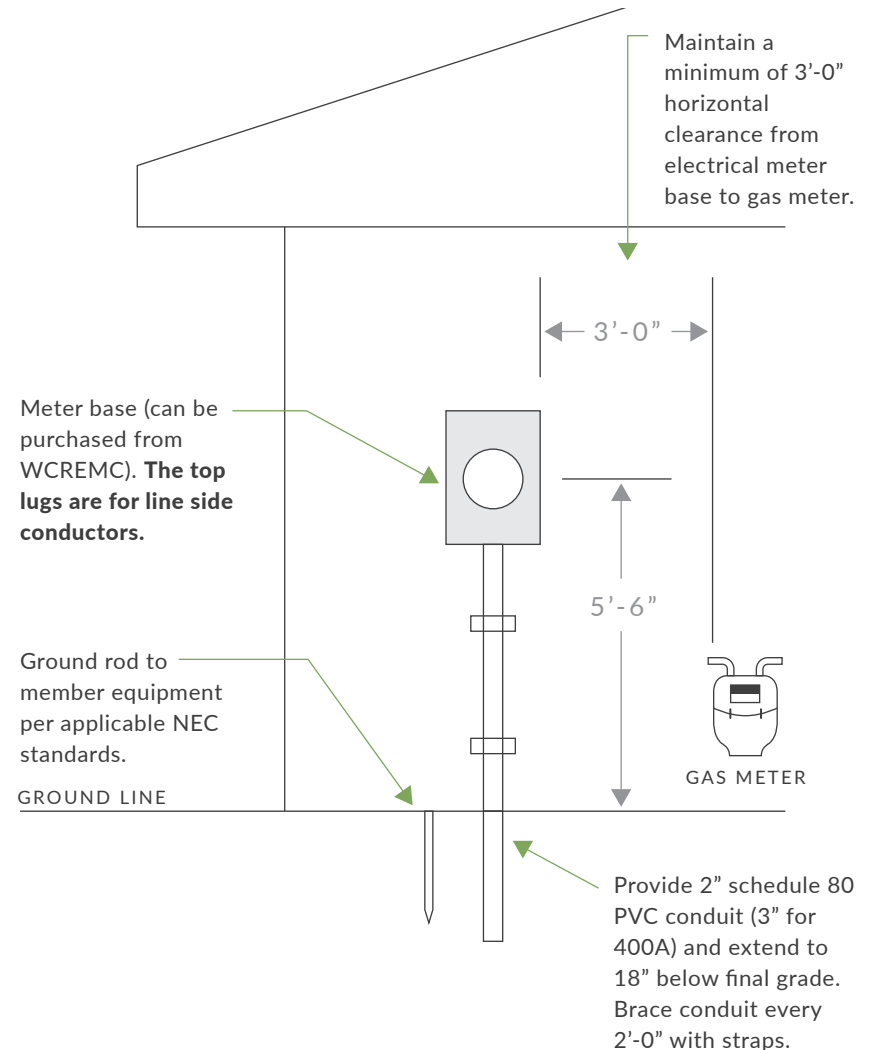
NOTE

Neutral wire must be marked.

Meter on Building

UNDERGROUND SERVICE (MINIMUM 200 AMPS)

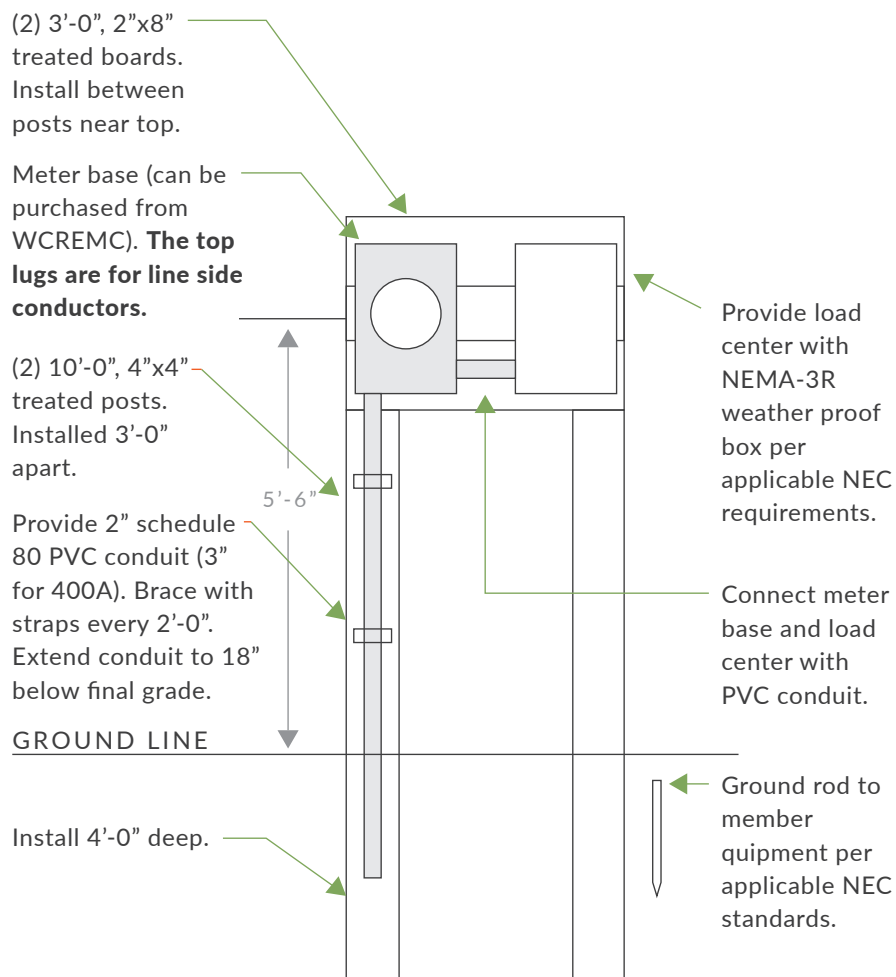
The customer or electrician will completely install the meter base and entrance and will make all connections in circuit protection device. Customer will make connections on bottom lugs of meter base. REMC will install service in customer's conduit and make connections on top lugs of meter base.



Meter Pedestal

UNDERGROUND SERVICE (MINIMUM 200 AMPS)

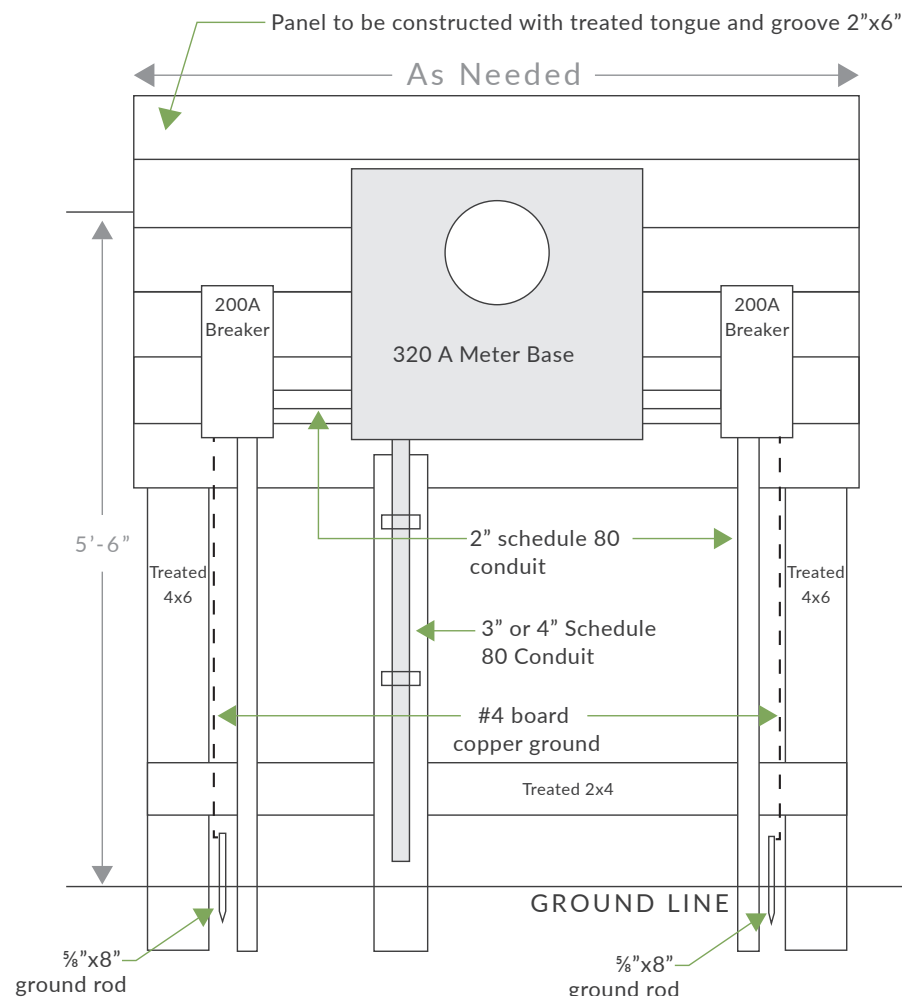
The customer or electrician will completely install the meter base and entrance and will make all connections in circuit protection device. Customer will make connections on bottom lugs of meter base. REMC will install service in customer's conduit and make connection on top lugs of meter base.



Meter Pedestal

UNDERGROUND SERVICE (MINIMUM 320 AMPS)

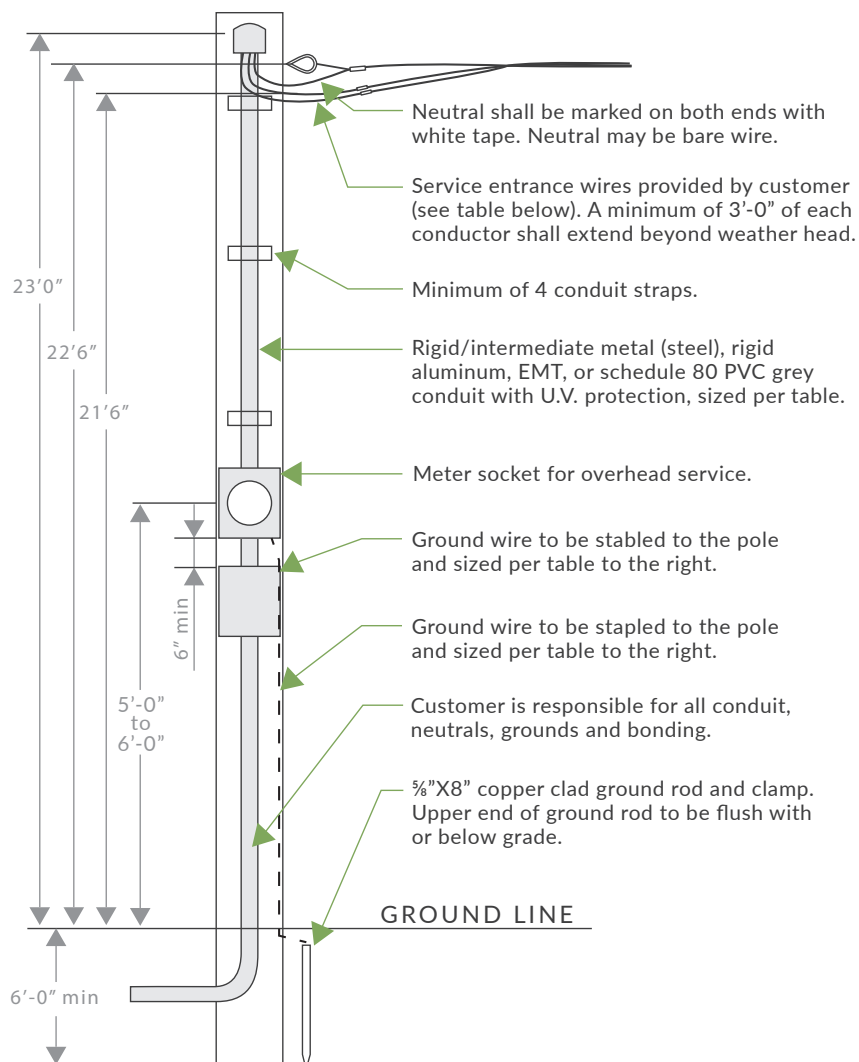
The customer or electrician will completely install the meter base and entrance and will make all connections in circuit protection device. Customer will make connections on bottom lugs of meter base. REMC will install service in customer's conduit and make connection on top lugs of meter base.



Meter Pole

UNDERGROUND SERVICE (MINIMUM 200 AMPS)

The customer or electrician will completely install the meter base and entrance and will make all connections in circuit protection device. Customer will make connections on bottom lugs of meter base. REMC will install service in customer's conduit and make connection on top lugs of meter base.



NOTES

1. Customer facilities shall comply with Company Standards, the National Electrical Code, and authorities having jurisdiction.
2. All conduit connections to be raintight.
3. Physical location of pole and any guying and bracing (if needed) will be approved by the Company.
4. Any receptacle shall be a ground fault interrupting type.
5. Additional pole height may be required to maintain proper clearance per Section 7.3 Clearances.
6. No utility service lines will be installed over any structures.
7. A main disconnect is required to seven or more circuit breakers (NEC).

Minimum Customer Wiring Size - Residence Single Phase **				
METER SIZE	CONDUIT SIZE	Current Carrying & Neutral Wire Size (per NEC)*		COPPER GROUND WIRE SIZE**
		ALUMINUM	COPPER	
100 Amp	1.5"	#2	#4	#6*
200 Amp	2"	4/0	2/0	#4
300 Amp	3"	500	350	#2

*Wire sizes based upon customer breaker size

**For 30, consult the company Commercial & Industrial. Wire sizes are typically larger.

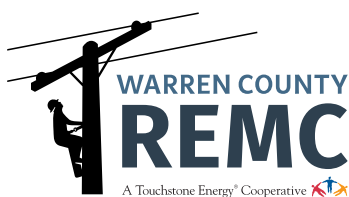
Contact Us

WEB www.wcremc.com

PHONE 844-224-0710

FAX 765-762-6117

E-MAIL operations@wcremc.com



15 Midway St.
P.O. Box 37
Williamsport, IN 47993