



Noble REMC

A Touchstone Energy® Cooperative



Electric Standards Manual for Residential Members

Application Process
Permit Information
Service Specifications

Applying for Electric Service

It takes a team to make any project go according to plan. 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.

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Application Process

SIGNATURES REQUIRED

Noble REMC requires a signature for the membership application, which can be completed in person or electronically after calling our office to start service.

SECURITY DEPOSIT

Pending credit approval, Noble REMC may require a \$175 security deposit before service can be connected.

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 may be asked to pay the difference before construction begins.

More information is available in our Terms & Conditions of Service.

County Electrical Permits

A permit is needed when applying for service, which can be completed at your county office. This is required for new services and service upgrades to larger service size. (Example: 100 amp to 200 amp or overhead to underground service.) A permit number is needed before construction begins.

Noble County: 260-636-2215

DeKalb County: 260-925-3021

Steuben County: 260-668-1000

Allen County: 260-449-7131

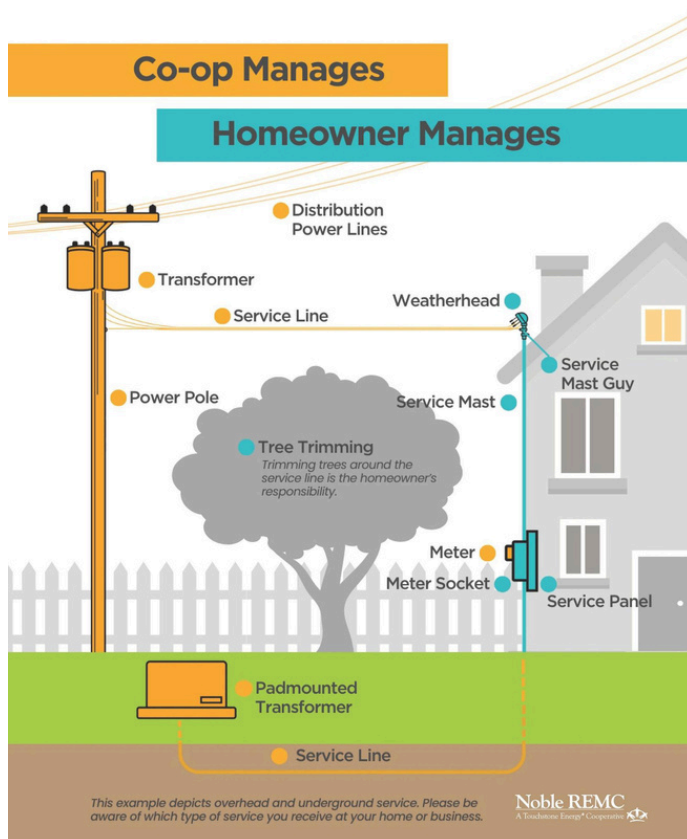
Contact Indiana 811 Before You Dig

811 is the national call-before-you-dig phone number. Anyone who plans to dig is legally required to call 811 or visit Indiana811.org to request the approximate location of buried utilities, which will be marked with paint or flags. This service is provided for free to ensure you don't unintentionally dig into an underground utility line.

Indiana law requires you contact 811 at least two full working days prior to digging, including common projects like planting trees or installing fences and mailboxes.



Member-Owned Equipment



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 at 800-933-7362 for a free temporary disconnect. We appreciate 24-hour advance notice for scheduling.

Meter Base

- Customer furnishes and owns the meter base.
- Meter bases must be U.L. listed and service entrance rated.
- Meter bases must have a 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 rewiring of meter bases must be inspected by the appropriate authority.
- Meter bases shall be ringless designed.
- Underground services must be at final grade and meter height at 5 feet.
- The minimum width of a 200-amp underground meter base acceptable for use is 11 ¼”.
- The REMC requires an entrance conduit for REMC wires either in a right or left knockout on underground installations because of the 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 lever-operated jaw release and bypass. The bypass must be rated to carry the full load capacity of the base.
- For double-lug meter base installations, a disconnect will be required for services to outbuildings, barns, garages, etc.
- Meter bases cannot be located where they will cause a hazard to persons or be subject to damage.
- Meter bases cannot be located in a building or enclosed space. 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.
- Noble REMC does not allow “offset” or “side entry” design for 200 amp meter bases.

Other Requirements

- When it is determined that 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.
- For three-phase service installations, review the Commercial Electric Standards Manual, and then contact the REMC for specifications.
- All new buildings are required to remain 20 feet from the overhead primary line.
- The REMC must be notified of any hazards or obstacles, including member-owned utilities (i.e., pipes, septic lines, electrical lines, water lines, etc.), before 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.

Trenching Agreement

Customer shall be required to locate all customer-owned drain tiles, electrical wiring, and water and sewer lines on the property before trenching service will be completed.

Customer is required to sign a trenching agreement for all underground installations.

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

Wire Chart for Electrical Entrance

| ENTRANCE SIZE | WIRE SIZE | NEUTRAL | CONDUIT PER NESC AND NEC | COPPER GROUND WIRE | GROUND ROD (MIN. 2 REQUIRED) |
|---------------|---|---|--------------------------|--------------------|------------------------------|
| Copper | | | | | |
| 100 amp | #4 | #6 | 1 1/4" | #6 | 5/8" x 8' |
| 200 amp | #2/o | #1/o | 2" | #6 | 5/8" x 8' |
| 320 | #350 MCM or two 2/o to 200A panels | #250 MCM or two #1/o to two 200A panels | 2 1/2" or 3" | #4 | 5/8" x 8' |
| Aluminum | | | | | |
| 100 amp | #2 | #4 | 1 1/4" | #6 CU | 5/8" x 8' |
| 200 amp | #4/o | #2/o | 2" | #6 CU | 5/8" x 8' |
| 320 | #500 MCM or two #4/o to two 200A panels | #350 MCM or two #2/o to two 200A panels | 2 1/2" or 3" | #4 CU | 5/8" x 8' |

Specifications on next page

Specifications

The 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 construction
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

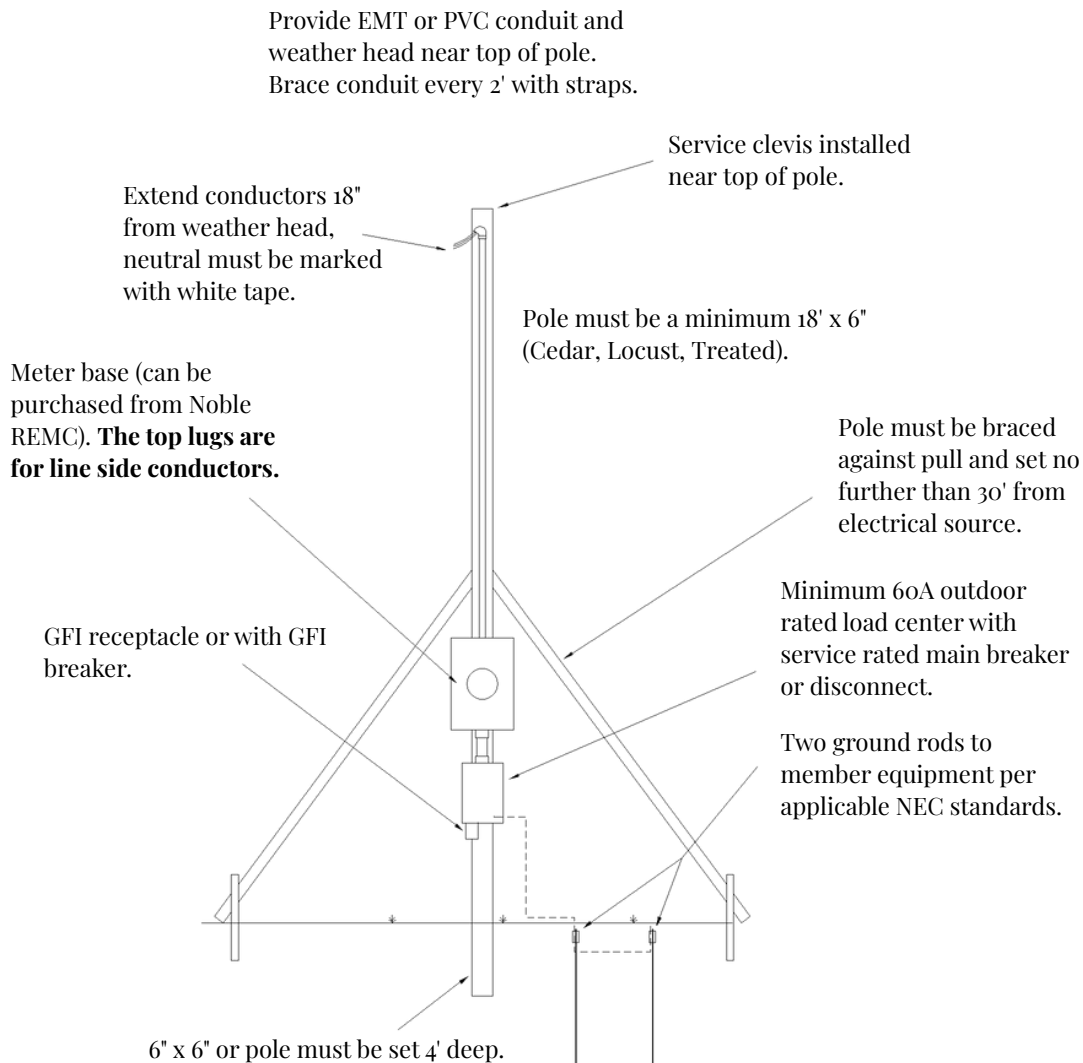
Occasionally, a specification may be needed for different service than mentioned above. In this case, please consult with the Operations Department for instructions and details.

NOTES

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

Overhead Temporary Unit

Furnished and installed by customer or contractor.

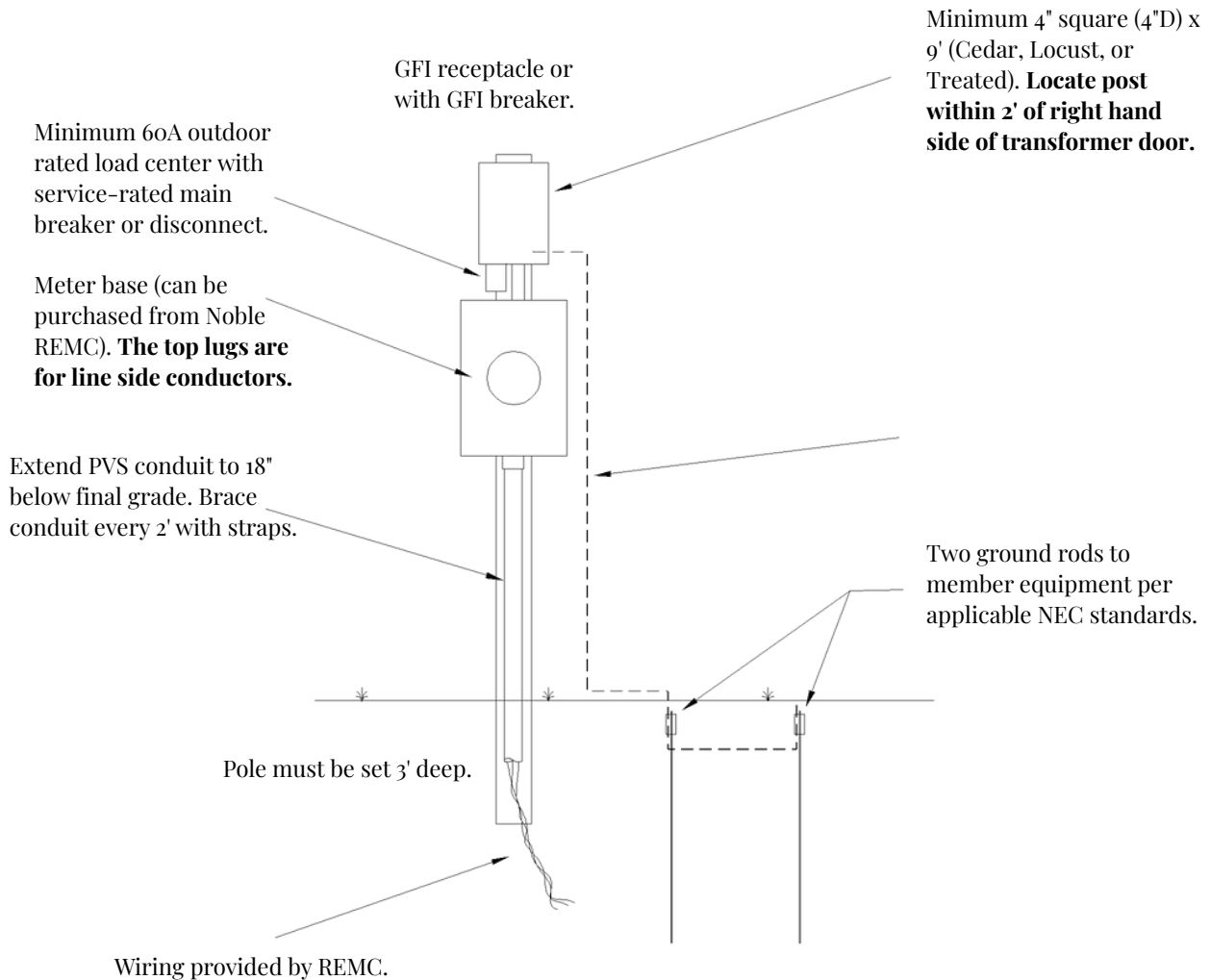


NOTES

- Neutral wire must be marked.
- Customer to install the temporary unit. An REMC representative will determine where the unit will be set by meeting with contractor or customer.
- Weatherhead shall be a minimum of 12' 6" above finished grade.
- Wire over roadways shall maintain 16' of clearance.
- Maximum six months for use as temporary.

Underground Temporary Unit

Furnished and installed by customer or contractor.

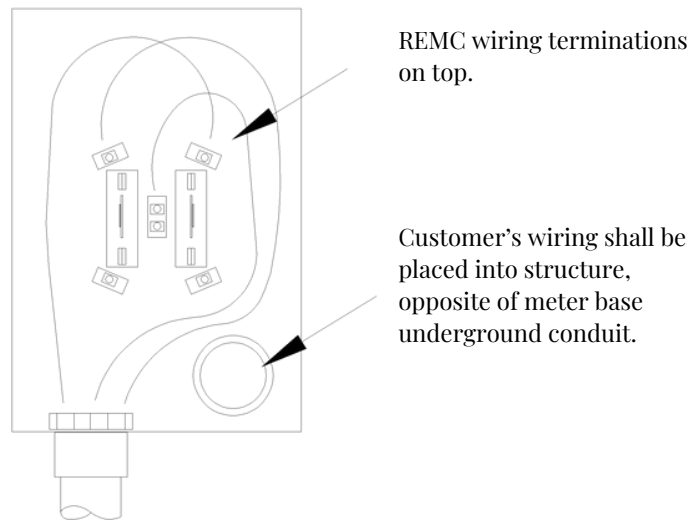


NOTES

- Customer to install the temporary unit. Set temporary unit 2' from transformer or pedestal on the right side (looking at lock).
- Maximum of six months for use as temporary.

Underground Meter Base

This style of meter base with conductor terminations as show below is the style approved by Noble REMC.



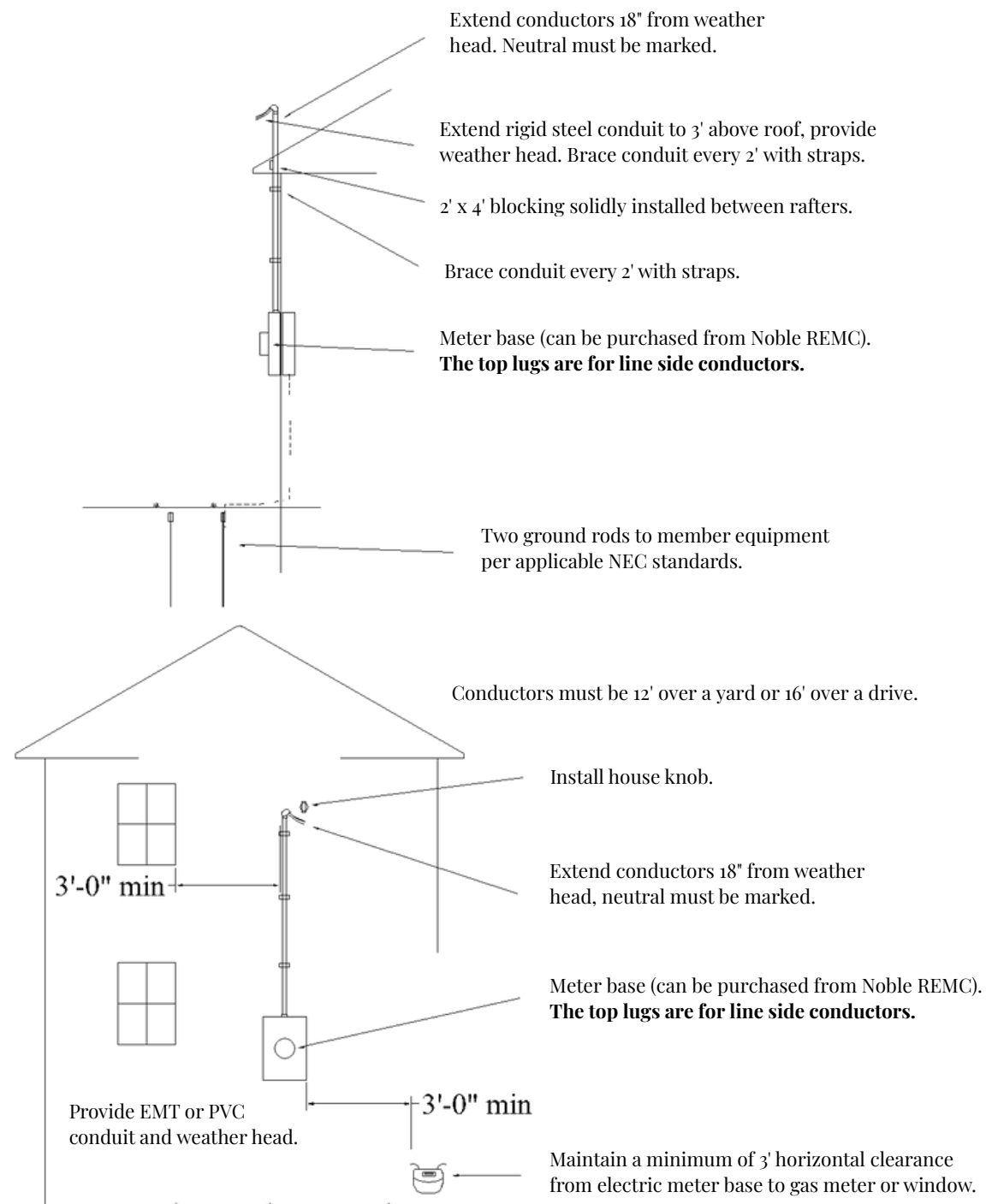
NOTES

- Ground wire terminations in customer panel or disconnect.
- Ground wire shall not be routed through meter base.
- Noble REMC does not allow “offset” or “side entry” design for 200 amp meter bases.

Meter on Building

OVERHEAD SERVICE

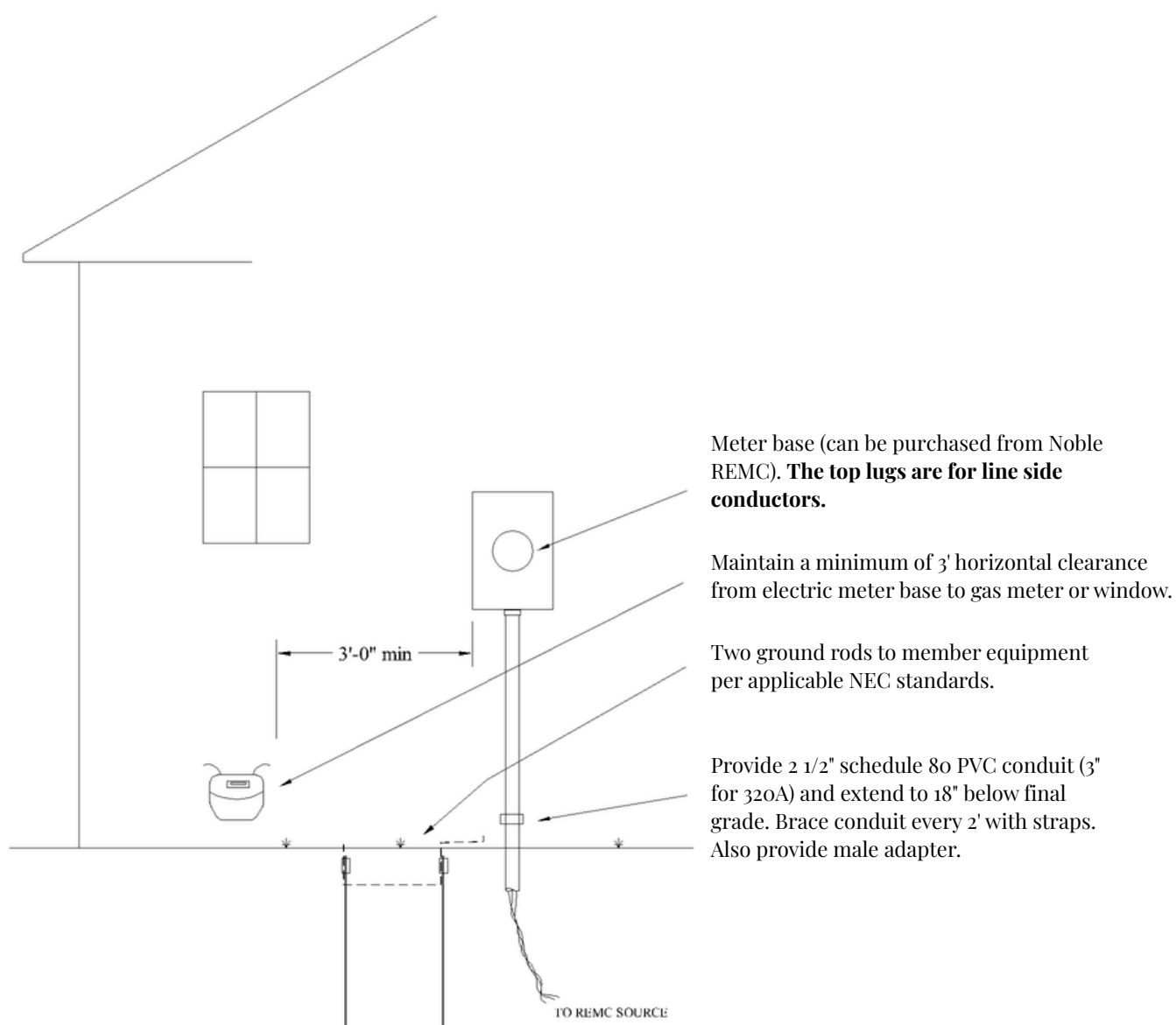
The customer or electrician will install all grounding, meter base, and complete entrance up to and including the weather head. For a two-story or bi-level with the entrance below the overhang, an eyebolt must be installed for REMC attachment.



Meter on Building

UNDERGROUND SERVICE (MINIMUM 200 AMPS)

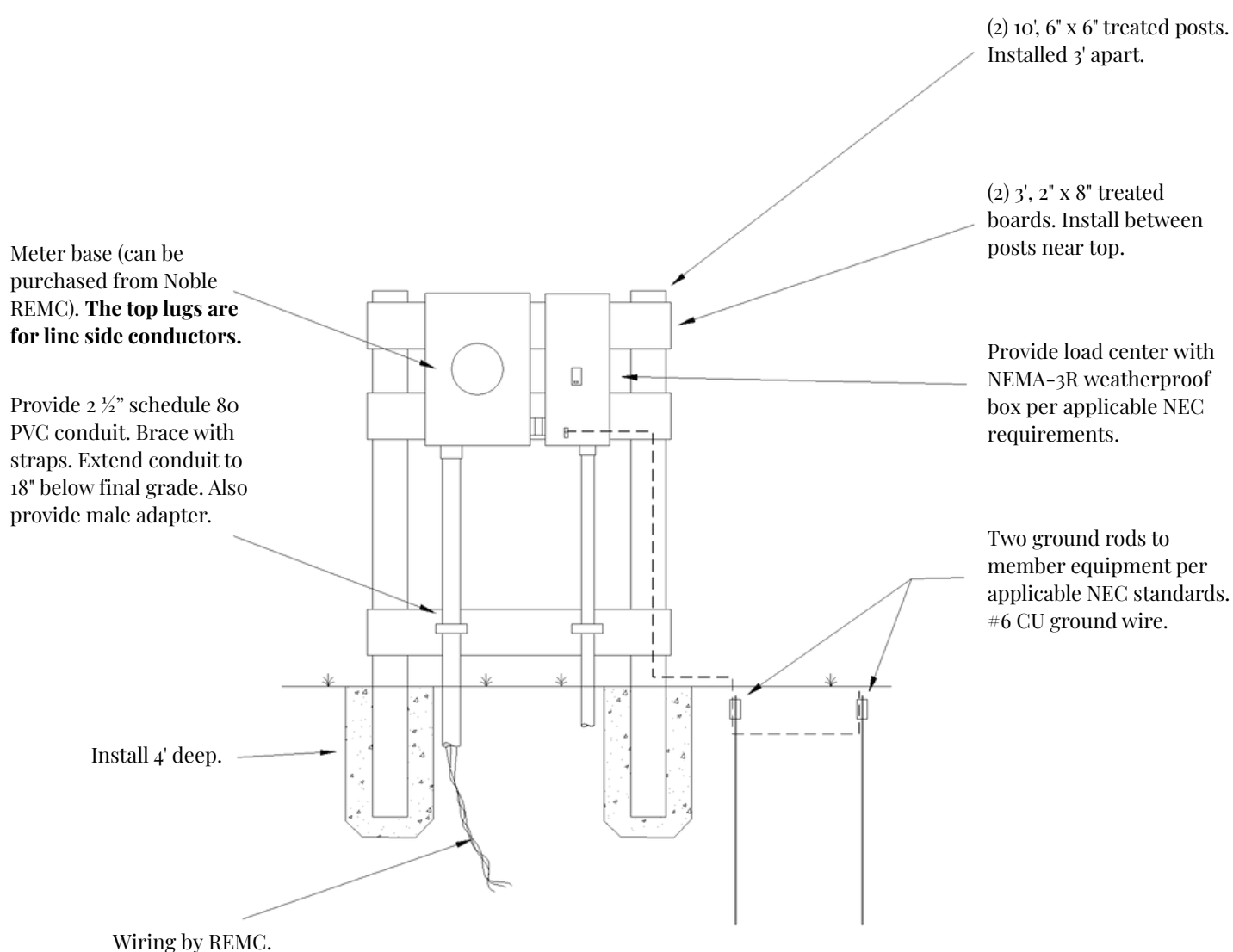
The customer or electrician will completely install the meter base and entrance and will make all connections in circuit protection device. Customer will make connections on bottom lugs of meter base. REMC will install service in customer's conduit and make connections on top lugs of meter base.



Meter on Pedestal

UNDERGROUND SERVICE (MINIMUM 200 AMPS)

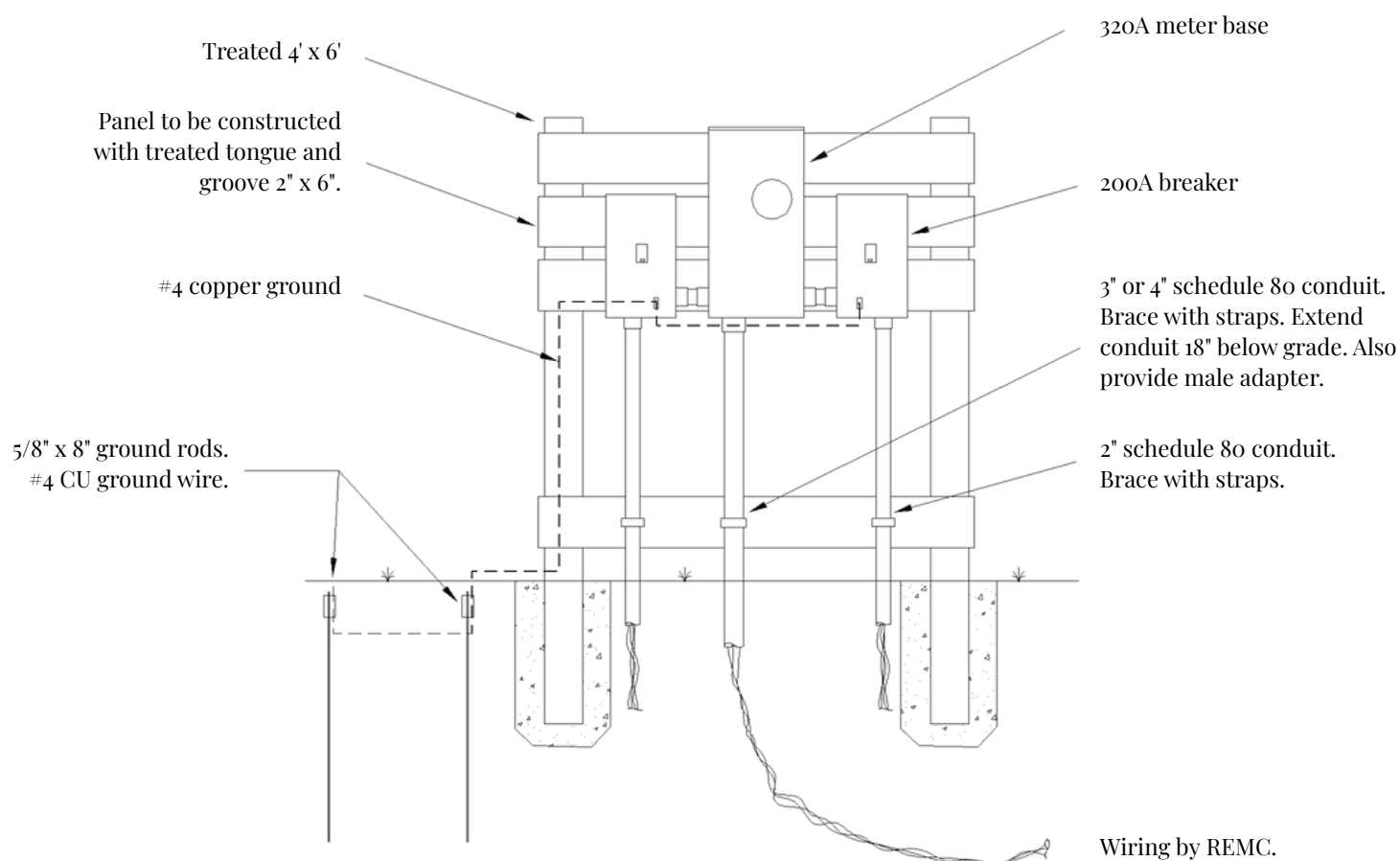
The customer or electrician will completely install the meter base and entrance and will make all connections in circuit protection device. Customer will make connections on bottom lugs of meter base. REMC will install service in customer's conduit and make connections on top lugs of meter base.



Meter on 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 connections on top lugs of meter base.





Contact us



nobleremc.com



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