

Questions? Be safe, not sorry.

800-521-2232

Duke Energy looks forward to providing you with reliable and efficient electrical service. This

brochure outlines the steps to be completed before your permanent underground electrical service can be connected.

The illustration inside shows the items you are responsible for supplying and/or installing. If you have questions about any of these specifications or if your installation differs from the one shown here, please contact Duke Energy at 800-521-2232 to apply for service. We will be happy to explain these requirements to you or suggest other sources of help.

To schedule installation of electrical service, please refer to our Checklist For Service Installation. If you do not have a copy of this checklist, please ask for one when you call. We look forward to serving you!

Issuance of this brochure does not release the customer from responsibility to install, operate and maintain facilities in an approved and safe manner, nor does Duke Energy assume any duty to inspect such facilities or to otherwise determine their adequacy or condition.

Duke Energy may revise, without notice, the requirements outlined in this brochure. The customer is obligated to maintain their facilities in accordance with all applicable revised Duke Energy requirements.

All wiring installations must meet the requirements of the National Electrical Code, the National Electrical Safety Code, local codes and ordinances, and inspection authorities, as well as the terms and conditions of electric service of Duke Energy as approved by the Indiana Utility Regulatory Commission.

Equipment and wiring must not present a hazard to Duke Energy personnel, the customer or the general public.

Use of electric energy must not cause unreasonable voltage variations on the Duke Energy lines or disturbances to the service of other customers.

The decisions of local inspection authorities will override the information in this brochure concerning customer equipment. This does not include the location of the meter base.

Ownership of facilities shall remain with the party which supplied the facilities regardless of the party responsible for installation, except as otherwise agreed upon and indicated in writing and on file with Duke Energy. Maintenance of such facilities shall be the responsibility of the owner.

**Stay away from power lines.**



# Permanent Underground Service



# Permanent Underground Service



Permanent Underground Service		Meter Base Guidelines
<b>Service Type—120/240 volt, single phase 3-wire</b>		<b>Manufacturers</b>
Residential Overhead/Underground 200 amp service, 1 meter position		Milbank, Durham/Square D Landis & Gyr, T&B/Anchor
Residential Underground 320 amp service, 1 meter position		Milbank, Durham/Square D, Landis & Gyr, T&B/Anchor

The meter base should be located on the structure at the point closest to the supply of power to avoid additional charges.

Meter base 200 amp or larger – Install with the center 5 ft. 6 in. above final grade, porches, decks, etc.

**Meter base cannot be located on the back of home.**

Customer is responsible to protect shrubs, trees, grass and other landscaping during construction.

Do not allow pavement or concrete to come in direct contact with the conduit. This will prevent damage to the conduit due to freezing and thawing.

Duke Energy will backfill and mound trench route.

Fittings to connect conduit to meter base

Please notify Duke Energy of any driveways, sidewalks, other paved areas, trees or shrubs.

Schedule 80 plastic, rigid steel or intermediate metallic conduit with a minimum diameter of 2 in. and a maximum diameter of 3 in., extended a minimum of 18 in. below grade

Breaker Size	Customer Wire Sizes					
	Ⓜ Minimum Line Conductor		Ⓝ Neutral Conductor		Ground Wire	
	Alum.	Copper	Alum.	Copper	Alum.	Copper
200 AMP	#4/0	#2/0	#2 - #2/0	#4 - #1	#2	#6 - #4
400 AMP	600kcmil	400kcmil 500kcmil	#3 400kcmil	#1/0 - 350kcmil	#3/0	#3 - #1/0

● Indicates recommended size

Ⓜ **Hot wires**

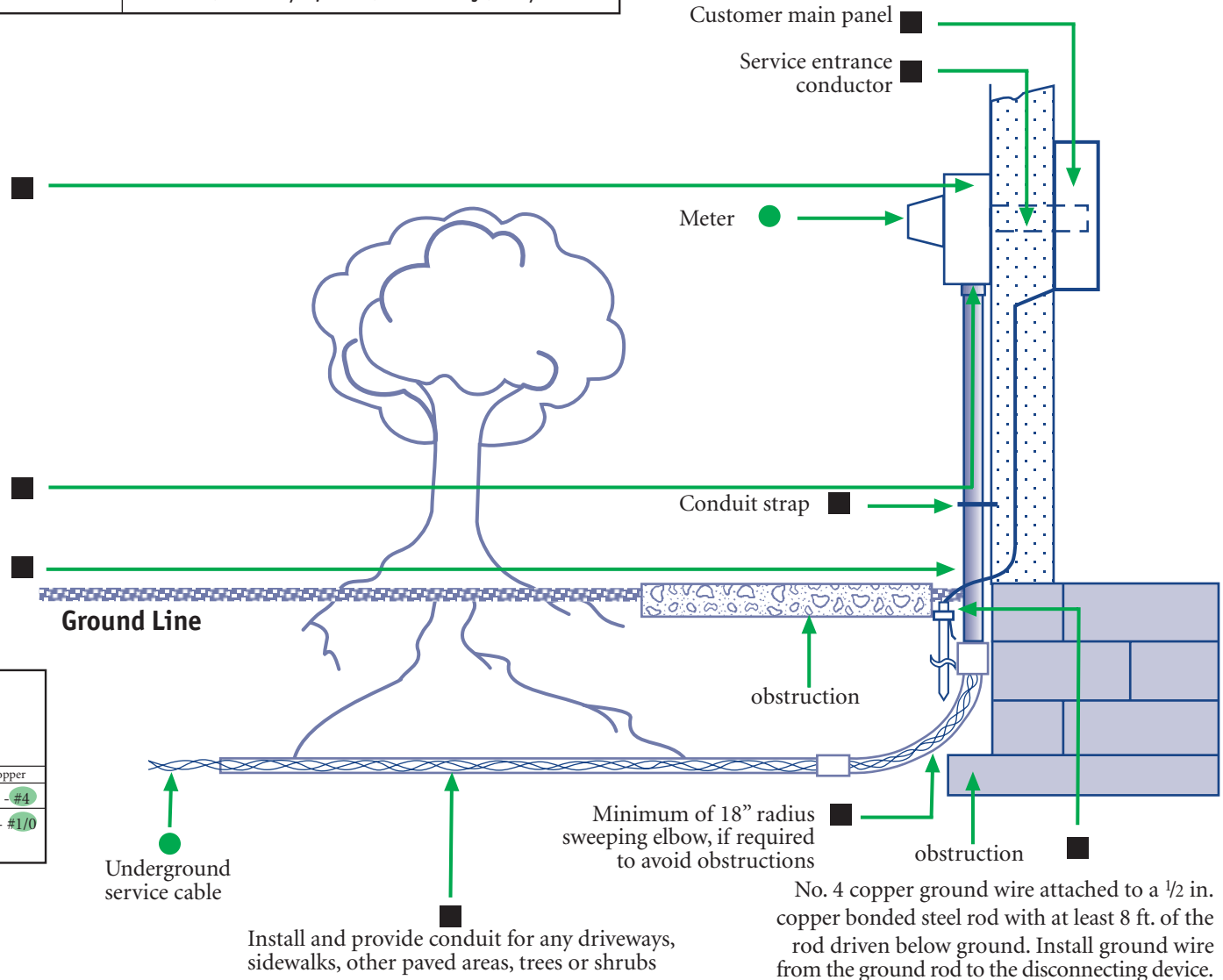
Ⓝ **Neutral Wires**

■ **Items you supply and install**

● **Items Duke Energy supplies and installs**

All equipment must be in good condition and installed to meet National Electrical Code requirements.

Duke Energy shall approve the location of all meters or meter structures. We also maintain exclusive rights to secure access to the meter and socket.



**in Indiana 800-382-5544 "call before you dig"**