

Figure 1: Meter pedestal setup

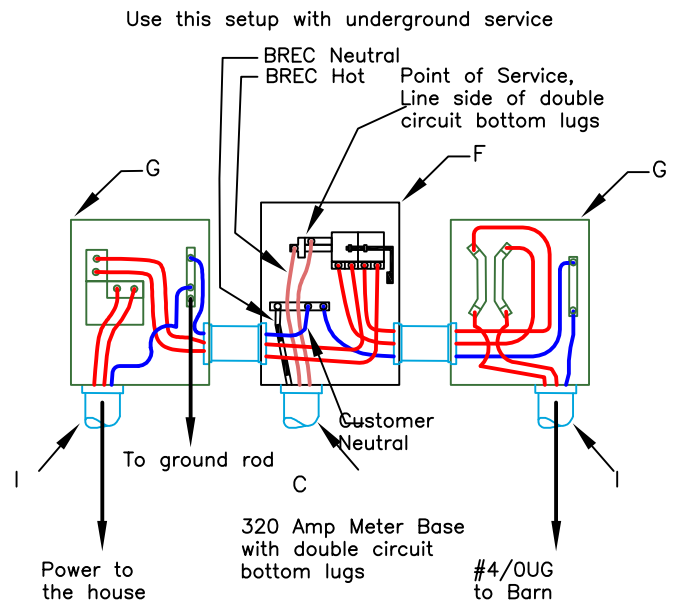


Figure 2: Meter base and disconnect boxes setup

2 GROUND RODS NOW
REQUIRED

Table 2: Wire Sizes

Item	Service Capacity
Wire Size	400 Amps
Copper	
Aluminum	350MCM
Conduit Size	3 in. schedule 40 PVC
Bare copper ground wire	#6 Bare copper
Ground rod	5/8 in. diameter
Copper weld or galvanized	8 ft. long

Notes:

1. See Table 1 for description of parts
2. See Table 2 for wire sizes
3. All phone, cable and satellite connections are to be bonded to the point of service as specified in the NEC.
4. Ground rod must be less than 25 ohms as specified in the NEC
5. INSTALL MINIMUM 1/4 in. Nylon Rope IN CONDUIT
6. 4 Wires required for mobile homes
 - * 2 hot wires
 - * 1 ground wire
 - * 1 neutral wire
7. Mark neutral with white tape

Table 1: Description of Parts

Item	Part	Notes
C	3 in. schedule 40 conduit or larger	Set 20 ft. MAXIMUM from Buckeye REC pole. Long sweeping elbow. No right angle elbows allowed.
D	6 in. x 6 in. treated posts (2)	Bury 3 ft. deep. Must be tall enough so that the center of the meter base will be 5 ft. to 6 ft. tall. Cut the top of the post at an angle such that water will drain away from the electrical panels.
E	Backboard for mounting meter base and disconnect box	Use 2 in. x 6 in. treated boards. Use enough boards to mount the meter base and disconnect box. Nail the 2 in. x 6 in. boards to the 6 in. x 6 in. treated posts.
F	Meter base	Must be level and must face the street or walkway.
G	Disconnect Box	Must have over current protection and be waterproof, Multi-Circuit
I	2 in. schedule 40 conduit or larger	Exits bottom of disconnect
J	Ground Wire	See Table 2. Connect to neutral bar
K	Ground Clamp	Connects the ground wire to the ground rod
L	Ground Rod	See Table 2. To be buried at least 18 in. from pole. Reference NEC 250.56 for resistance levels
M	Water tight connectors	Connects the conduit to the electrical panels



Buckeye REC

Your Touchstone Energy® Cooperative
The power of human connections®

January 2012

400 Amp Meter Pedestal

Meter base with 2-Disconnects

4848 State Route 325 S P.O. Box 200
Rio Grande, Ohio 45674
Phone: 740-379-2025
Toll Free: 1-877-567-9649
FAX: 740-379-2048