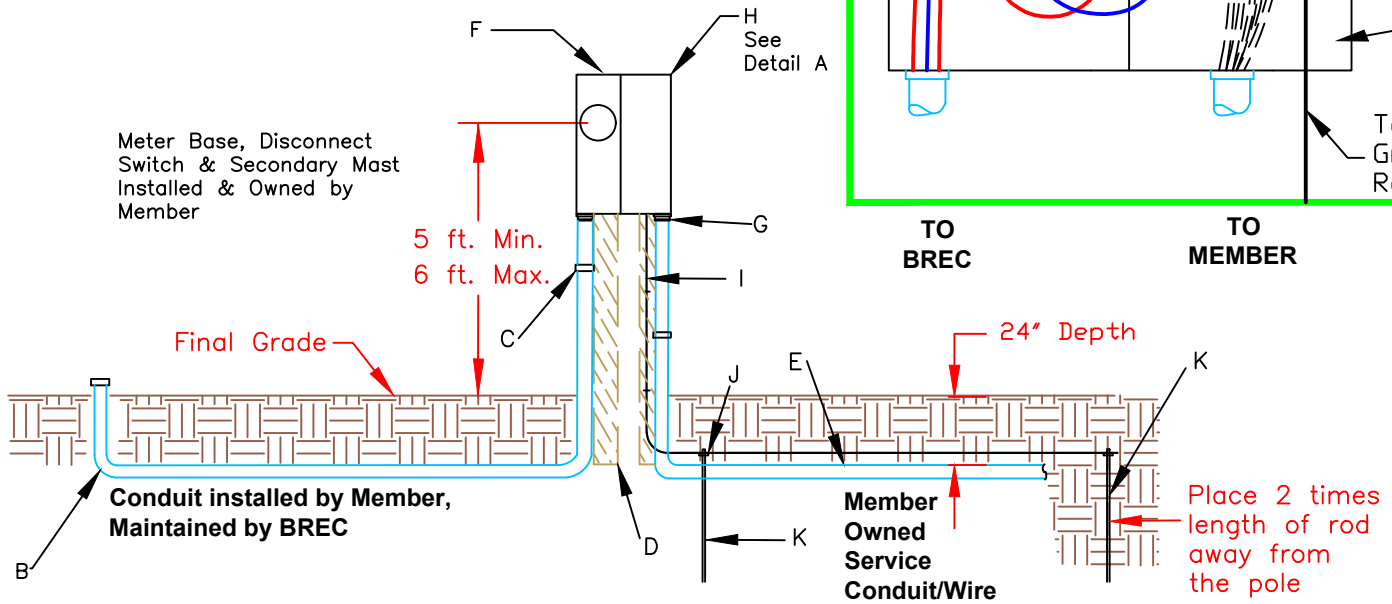
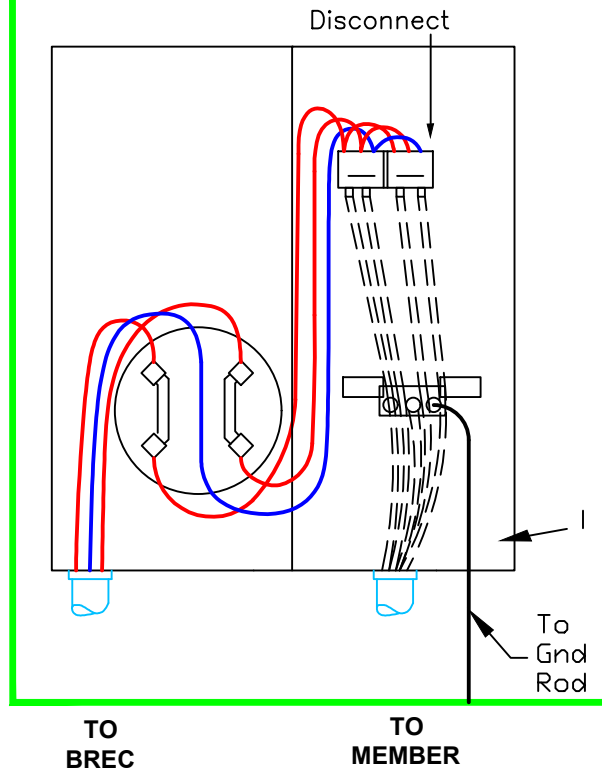


**Construction Notes:**

1. Wires are not to exit the rear of the meter base.
2. Mark neutral with white tape
3. If ground rod is less than 25 ohms, no supplemental rod is required.
4. Install minimum 1/4 in. Nylon rope in conduit.
5. All phone cable and satellite connections are to be bonded to the point of service as specified in NEC
6. 4 Wires required for mobile homes:  
2 hot wires  
1 ground wire  
1 neutral wire
7. Install minimum 10ft from home.

**DETAIL A**



**Table 1: Wire Sizes**

Item	Service Capacity - 400A
Copper	#4/0
Aluminum	350 MCM
Solid bare copper ground wire	#6
Ground rod Copper weld or galvanized	5/8 in. diameter 8 ft. long

**Table 2: Description of Parts**

Item	Part	Qty.	Notes
B	Long Sweep, Elbow	2	3in. PVC
C	Conduit clamps		Spaced maximum 3 ft. apart
D	Treated Wood Posts	2	Pressure Treated Post 6 in. x 6 in. x 10 ft.
E	Conduit		3 in. schedule 40 PVC, set 10 ft. minimum from BREC Pole
F	Meter base		The center of the meter base shall be 5 ft. to 6 ft. above final grade
H	Disconnect Box		400A Meter/Breaker, Multi-Circuit, must be Underwriters Laboratories (UL) Listed
I	Ground Wire	1	See Table 1. Bury wire at least 6 in. deep
J	Ground rod clamp	2	Connects ground wire to ground rod
K	Ground rod	2	See Table 1. To be buried at least 18 in. from pole and minimum 8 ft. in length Reference NEC 250.52 for more information.



**Buckeye REC**

Your Touchstone Energy® Cooperative  
The power of human connections®

December 2020

UNDERGROUND

400 Amp Meter Pole  
Meter Base / Disconnect Combo

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