



**All items furnished by member**

**LOCATION**

All services must be at least 30ft away from any WEC poles and primary wires. A WEC Staking Engineer will determine the location and any additional requirements during an on-site meeting with the member during the design process. Pole must be between 5ft. and 30ft. from wall. Refer to NEC 550 for additional manufactured housing requirements

**METER POLE**

Pole shall be of pressure treated wood of an approved process.  
Pole shall be set in the ground a minimum of 5ft.  
Pole shall be guyed to support WEC service wires and promote clearances.  
Only WEC attachments permitted on service pole

TYPE	MINIMUM
Square	6in x 6in x 24ft
Round	25ft, Class 7

**GUYING AND ANCHORING**

Anchor rod shall be a 4ft. screw-type and UL approved.  
Anchor shall be no closer than 10ft. to meter pole  
Guy wire shall be a minimum of ¼in. and located in-line of service drop on opposite side of pole

**WEATHER HEAD**

3 wire rain-tight weather head properly sized and rated will be located 4in. from top of pole.

**CONDUIT**

2 in. grey electrical PVC schedule 40 (minimum) shall extend from weather head to meter base, meter base to disconnect, and from disconnect to below grade.  
Pipe straps shall be installed at uniform intervals to secure conduit to pole

**SERVICE AND GROUND WIRE (NEC 310)**

All service conductors shall have insulation suitable for the applied voltage but, in any case, not less than 600 volts. Customer/Contractor shall extend wires 24" through weather head for WEC connections

SERVICE SIZE	"HOT LEGS" & "NEUTRAL"	"GROUNDING"
200 ALUMINUM	4/0 AWG ALUMINUM	#4 AWG COPPER
200 COPPER	2/0 AWG COPPER	#4 AWG COPPER
100 ALUMINUM	#2 AWG ALUMINUM	#6 AWG COPPER
100 COPPER	#4 AWG COPPER	#6 AWG COPPER

**METER BASE**

Meter socket shall be located between 5ft and 6ft from ground level.  
Meter base shall be a single position, four terminal, and ring-less with a horn or other approved type bypass.  
Meter bases equipped with grounding lugs shall be grounded in accordance to NEC or local inspection authority

**OUTSIDE DISCONNECT AND OTHER SERVICE EQUIPMENT REQUIREMENTS (NEC 230)**

All meter poles served by WEC shall have a service disconnecting means under the meter base.  
Disconnect shall be appropriately sized (main breaker or K1 fuses rated for 10,000 Amperes)  
Weather-Tight connectors and fittings shall be used between equipment and components.  
All equipment on pole shall be in good physical and working condition.  
All equipment (meter base, disconnect, sub-panels, receptacles, etc) shall have all knock-outs, doors, and covers in place to limit access to energized parts.

**GROUNDING RODS, WIRE, AND CONNECTORS (NEC 250)**

Meter socket shall be grounded in accordance to NEC and local inspection authority requirements  
Any service connected to WEC shall have two (2) 5/8 in. x 8ft. copper ground rods located 6ft. apart  
Ground rod clamps shall be suitable for direct burial and/or exothermic welding.  
Ground wires shall extend unbroken or uncut from grounding lug of meter base (if equipped) or disconnect to each rod.  
Ground wires shall be secured to pole and/or protected from damage.

**EFFECTIVE DATE**

FOR ALL UPGRADES AND NEW CONSTRUCTION **AFTER JUNE 7, 2010**