



RESIDENTIAL METER LOOP INSPECTION CHECKLIST

NOTE: ANY "NO" RESPONSE FAILS THE METER

CHECK APPLICABLE TO BOTH OVERHEAD AND UNDERGROUND METER LOOPS

- | YES | NO | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | 1) Meter Loop is in an APS approved location. |
| <input type="checkbox"/> | <input type="checkbox"/> | 2) Center of meter socket is 4' to 6'3" above finished grade. |
| <input type="checkbox"/> | <input type="checkbox"/> | 3) Metering equipment is of rain-tight design |
| <input type="checkbox"/> | <input type="checkbox"/> | 4) Meter loop is bolted or fastened securely to wall or pole (plastic screw inserts or lag screws are not acceptable) |
| <input type="checkbox"/> | <input type="checkbox"/> | 5) The meter enclosure is plumb and level. |
| <input type="checkbox"/> | <input type="checkbox"/> | 6) Approved riser hub has been installed. |
| <input type="checkbox"/> | <input type="checkbox"/> | 7) Main breaker of proper size for wiring and AIC rating of Service Entrance Section has been installed |
| <input type="checkbox"/> | <input type="checkbox"/> | 8) Meter socket does not have a bypass switch and meter jaws are free of foreign materials. |
| <input type="checkbox"/> | <input type="checkbox"/> | 9) Neutral is not broken and is in lay-in lug in center of socket. |
| <input type="checkbox"/> | <input type="checkbox"/> | 10) Neutral is not broken and is in lay-in lug in center of socket. |
| <input type="checkbox"/> | <input type="checkbox"/> | 11) This is a ring-type meter socket. |
| <input type="checkbox"/> | <input type="checkbox"/> | 12) If Service Entrance Section is 200 Amp or more, is space provided for load control CT equipment on Customer's side of section? |
| <input type="checkbox"/> | <input type="checkbox"/> | 13) No. 4 solid copper ground wire has been installed to the neutral landing lug in the Customer's breaker compartment. |
| <input type="checkbox"/> | <input type="checkbox"/> | 14) The ground wire has been firmly attached to the building every 24". |
| <input type="checkbox"/> | <input type="checkbox"/> | 15) The grounding conductor has been attached to the ground rod in an approved manner per NEC 250-115 |
| <input type="checkbox"/> | <input type="checkbox"/> | 16) Customer has installed one or more of the following grounding electrodes per NEC 250-81 & 250-83: <ul style="list-style-type: none"> a) 5/8" diameter X 8' long ground rod and approved clamp b) 20' of bare #4 copper wire attached to and installed in the footer. |
| <input type="checkbox"/> | <input type="checkbox"/> | 17) Waterbond has been installed from an accessible water pipe to grounding and/or bonding point in meter can. Bond is sized per 250-94 |
| <input type="checkbox"/> | <input type="checkbox"/> | 18) Gas bond has been installed directly to neutral or bonding bus and sized per 250-94 |
| <input type="checkbox"/> | <input type="checkbox"/> | 19) If neutral landing lug is insulated from enclosure, has either a bonding jumper or a screw been installed? (Sized per 250-94) |

CHECK OVERHEAD METER LOOPS ONLY

- | YES | NO | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | 1) Service will not overhand more than 4' of roof surface. |
| <input type="checkbox"/> | <input type="checkbox"/> | 2) Attachmentpoint (insulator on mast or eye-bolt on meter pole) is between 12.5' and 25' above finished grade: <ul style="list-style-type: none"> a) on wood pole - 2" x 2" square washer has been installed behind eye-bolt. (If steel pole, is attachmentpoint insulated?) b) on mast - if pipe is over 3' above roof, a mast guy has been installed. |
| <input type="checkbox"/> | <input type="checkbox"/> | 3) Mast is a minimum 1-1/2" rigid or I.M.C. (not PVC) for 100 amp loop and 2" for 200 amp loop, with no couplings which would be subject to strain by the service drop. Mast is plumb with wall and firmly attached |
| <input type="checkbox"/> | <input type="checkbox"/> | 4) Point of attachmentis within 12" of the weatherhead. |
| <input type="checkbox"/> | <input type="checkbox"/> | 5) No more than 3 service risers are served by this service drop, and these are no more than 12" apart. |
| <input type="checkbox"/> | <input type="checkbox"/> | 6) Service drop clearance to the ground is appropriate crossing over areas accessible to: <ul style="list-style-type: none"> a) Pedestrians only 12' 6" b) Residential driveways 12' 6" c) Commercial areas, parking lots and areas subject to truck traffic 18' d) Commercial areas, not subject to truck traffic .. 12' 6" e) Crossing over public streets, alleys, roads and commercial driveways 18' |
| <input type="checkbox"/> | <input type="checkbox"/> | 7) Pole is full length pressure treated and conforms to APS's specifications as outlined in the Electric Service Requirements Manual, paragraph 402.2. |
| <input type="checkbox"/> | <input type="checkbox"/> | 8) A minimum 24" of following wire extends from weatherhead.: <ul style="list-style-type: none"> 100 amp - No. 4 copper or No. 2 aluminum. 200 amp - No. 2 copper or No. 4/0 aluminum |

CHECK UNDERGROUND METER LOOPS ONLY

- | YES | NO | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | 1) Riser conduit is rigid steel, I.M.C., or SCH 80 PVC. (Is steel conduit taped below ground level?) |
| <input type="checkbox"/> | <input type="checkbox"/> | 2) All sweeps are 24" radius (min.) and factory bent. |
| <input type="checkbox"/> | <input type="checkbox"/> | 3) 45 bend (if used) is 8" above trench bottom of trench and 24" below finished grade |
| <input type="checkbox"/> | <input type="checkbox"/> | 4) If a 90 bend is used, it is level with bottom of trench and 24" below finished grade. |
| <input type="checkbox"/> | <input type="checkbox"/> | 5) A minimum 2-1/2" riser pipe has been installed. |
| <input type="checkbox"/> | <input type="checkbox"/> | 6) Conduit has been installed 2' past any proposed concrete or structures. |

CHECK METER PEDESTALS

- | YES | NO | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | 1) The service cable pull section shall not b blocked in any manner. |
| <input type="checkbox"/> | <input type="checkbox"/> | 2) A 2' x 2' concrete slab has been poured around the pedestal. |
| <input type="checkbox"/> | <input type="checkbox"/> | 3) Customer has provided one or two - 2-1/2" sweeps into pedestal |
| <input type="checkbox"/> | <input type="checkbox"/> | 4) No Customer wires are located within the APS portion of meter can (includes ground electrode conductor). |
| <input type="checkbox"/> | <input type="checkbox"/> | 5) Customer has installed one or more of the following grounding electrodes per NEC 250-81 & 250-83: <ul style="list-style-type: none"> e) 5/8" diameter x 8' long ground rod and approved clamp |