

UNSEALED ELECTRIC METERS, EMERGENCY REPAIR PROCEDURES

REVISED 07/08/08

WARNING: SERVICE ENTRANCE CONDUCTORS SHALL BE CUT AWAY BY UTILITIES PRIOR TO INSPECTION.

4 STEP PROCESS

1. HIRE A LICENCED ELECTRICIAN (*ELECTRICIAN SHALL DO A SITE VISIT TO VERIFY ELECTRICAL PANEL MEETS CURRENT CODE OR IF WORK IS REQUIRED TO BRING PANEL UP TO CODE*)
2. OBTAIN ELECTRICAL PERMIT FROM THE BUILDING DEPARTMENT. *WHEN AT BUILDING DEPARTMENT TO OBTAIN PERMIT, INDICATE TO THE TECHNICIAN THAT THE WORK/REPAIR IS FOR A BROKEN SEAL METER.*
3. SCHEDULE CUT-AWAY/RECONNECT WITH UTILITIES AND SCHEDULE INSPECTION WITH BUILDING DEPARTMENT. *DAY OF CUT-AWAY: ELECTRICIAN SHALL BE ONSITE, ELECTRICAL INSPECTOR WILL INSPECT AND TAG ELECTRICAL METER, THEN UTILITIES WILL RECONNECT SERVICE.*
4. ONCE ALL WORK IS COMPLETE PERMIT WILL BE FINALED, FOLLOW UP INSPECTION MAY BE REQUIRED TO CORRECT ANY REMAINING ITEMS. PERMIT WILL THEN BE FINALED.

GENERAL



- CONTRACTOR TO PROVIDE A LIST OF TORQUE SPECIFICATION FOR PANEL AND BREAKERS OF CIRCUIT BREAKERS AT TIME OF FINAL INSPECTON
 - TORQUE ALL CONNECTIONS PER MANUFACTURER'S LISTING. **(ELECTRICAL CONTRACTOR TO BE ONSITE WITH TORQUE WRENCH AT TIME OF INSPECTION (CEC 110.3 (B))**
- VERIFY ROOF FLASHING AT RISER IS SEALED AND WATER TIGHT
- FOR UNDERGROUND SERVICE, UTILITIES TO INSPECT AND PLACE GREEN STICKER ON PANEL PRIOR TO OUR INSPECTION. CONTACT THE UTILITIES INSPECTOR @ (650) 496-6977 FOR INSPECTION
- METER HEIGHT, PER UTILITY STANDARDS, MIN. 48", MAX. 75" ABOVE FINISH GRADE

- ALL UNDERGROUND SERVICE CONDUITS SHALL BE SEALED **PER 2004 CEC ARTICLE 230.8**
- GROUNDING ELECTRODE AND GEC SHALL COMPLY WITH **2004 CEC-TABLE 250.66 & ARTICLES 250.50-250.70**. A DRIVEN GROUND ROD AND WATER SERVICE GROUND ARE REQUIRED. USE A MINIMUM #6 SOLID COPPER GROUNDING ELECTRODE CONDUCTOR AND A LISTED CLAMPING DEVICE.
- PROVIDE WORKING CLEARANCES (**CEC 110.26**) (36" DEEP x 30" WIDE x 6'6" HIGH)
- VERIFY THAT SERVICE ENTRANCE CONDUCTORS WILL HAVE PROPER CLEARANCES OVER THE ROOF/GRADE **PER CEC 230.24 (A) AND (B)**. **CLEARANCE TO GRADE:** 10' WHERE ACCESSIBLE TO PEDESTRIANS ONLY, 12' OVER RESIDENTIAL PROPERTY AND DRIVEWAYS, 15' WHERE VOLTAGE EXCEEDS 300 VOLTS, AND 18' OVER PUBLIC STREETS/ALLEYS/ROADS AND PARKING AREAS.
- PANELS WITH MORE THAN 6 DISCONNECTS REQUIRE A MAIN BREAKER (**CEC 230.70, 230.71**)
- SERVICE ENTRANCE CONDUCTORS AND GENERAL WIRING SIZED **PER CEC ARTICLE 310 & 310.15 B**
- PROVIDE BONDING JUMPER WHERE A METAL SERVICE RACEWAY TERMINATES TO AN ENCLOSURE WITH A RINGED KNOCKOUT. SIZE BONDING JUMPER PER TABLE 250.66 (**CEC 250.92 (B)(4)**)
- BOND HOT/COLD/GAS AT WATER HEATER
- METAL UNDERGROUND GAS PIPE SHALL NOT BE USED AS A GROUNDING ELECTRODE (**CEC 250.52(B)(1)**)
- NON-METALLIC WATER SERVICE LABEL IN PANEL, IF REQUIRED