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 INSPECTION

☐ 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