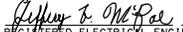
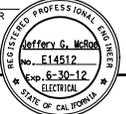


NOTES:

1. Service equipment enclosure and metering equipment shall meet the requirements of the service utility. The meter area shall have a sealable, lockable, weathertight cover that can be removed without the use of tools.
2. Service equipment enclosure shall be factory wired.
3. The dead front panel on Type III service equipment enclosure shall have a continuous stainless steel or aluminum piano hinge. This panel or dead front panel shall be secured with a latch or captive screws. No live parts shall be mounted on this panel or the dead front panel.
4. The exterior door shall have provisions for padlocking. The padlock hole shall be a minimum diameter of $\frac{3}{16}$ ".
5. An enclosure housing a transformer of more than one kVA shall have effective screened ventilation louvers of not less than 50 square inches for each louver. Screen shall be stainless steel No. 304, with a No. 10 size mesh. Framed screen shall be secured with at least four bolts.
6. Fasteners on the exterior of the enclosure shall be vandal-resistant and shall not be removable from the exterior. Exterior screws, nuts, bolts and washers shall be stainless steel.
7. Landing lugs for incoming service conductors shall be compatible with either copper or aluminum conductors sized to suit the conductors shown on the plan. Landing lugs shall be copper or tin-plated aluminum. Live parts of electrical equipment must be guarded against accidental contact. Neutral bus shall be rated for 125 A and be suitable for copper or aluminum conductors unless otherwise specified. The terminal shall include but not be limited to:
 - a. Incoming terminals (landing lugs)
 - b. Neutral lugs
 - c. Solid neutral terminal strip
8. At least 6 standard single pole circuit breaker spaces, $\frac{3}{4}$ " nominal, shall be provided for branch circuits. Circuit breaker interiors shall be copper. Interiors of enclosure shall accept plug-in or cable-in/cable-out circuit breakers.
9. Control wiring shall be 600 V, 14 stranded machine tool wire. Where subject to flexing, 19 strand wire shall be used.
10. Main bus shall be rated for 125 A and shall be tin-plated copper.
11. A plastic laminated wiring diagram shall be provided with brass mounting eyelets, shall be attached to the inside of the enclosure and shall be affixed to the interior with a UL or ETL approved method.
12. An engraved phenolic nameplate indicating the function of the circuit or the device shall be installed with stainless steel rivets or stainless steel screws:
 - a. Adjacent to the breaker on the dead front panel with $\frac{1}{8}$ " characters, minimum.
 - b. Adjacent to the device on the back panel with $\frac{1}{8}$ " characters, minimum.
 - c. At the top exterior of the door panel indicating system number, voltage level and number of phases with $\frac{3}{16}$ " characters, minimum.
13. The plan shows the approximate location of devices within the enclosure. Components may be rearranged, however, the "working" clearances within the service equipment enclosure shall be maintained.
14. In unpaved areas a raised portland cement concrete pad 2'-0" x 4" x width of foundation shall be constructed in front of new service equipment enclosure installation. Pad shall be set to elevation of foundation.
15. Internal bus, where shown, is typical only. Alternative design of proposed service equipment enclosure shall be submitted to the Engineer for approval.
16. Plug-in circuit breakers may be mounted in the vertical or horizontal position. Cable-in/cable-out circuit breakers shall be mounted in the vertical position.
17. Type III-AF and Type III-BF service equipment enclosures shall have the meter viewing windows located on the front side of the service equipment enclosures.
18. Type III-AR and Type III-BR service equipment enclosure shall be similarly constructed as Type III-AF and Type III-BF respectively, except the meter viewing windows shall be located on the back side of the service equipment enclosures.
19. Minimum clearance shall be required for front and back of service equipment enclosure per National Electrical Code, Article 110.26, "Spaces About Electric Equipment (600 Volts, nominal or less)."

| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|--|--------|-------|-----------------------------|--------------|-----------------|
| | | | | | |
|  REGISTERED ELECTRICAL ENGINEER | | | | | |
| May 20, 2011 PLANS APPROVAL DATE | | | | | |
|  | | | | | |
| <small>THE STATE OF CALIFORNIA OR ITS OFFICERS OF AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small> | | | | | |

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**ELECTRICAL SYSTEMS
(SERVICE EQUIPMENT NOTES
TYPE III SERIES)**

NO SCALE

ES-2C