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LARUCP Minimum Electrical Plan Submittal Requirements: ELECTRICAL CODE CORRECTION LIST

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT OSHPD 3 REQUIREMENTS

Job Address: _____ Date: _____

Job Name: _____ Plan Checker: _____

Person notified upon completion: _____ Tel. No. _____

I. CALIFORNIA BUILDING CODE (CBC) 1998 SECTION 422A [FOR OSHPD 3] – CLINICS

Scope. The provisions of this chapter shall apply to primary-care clinics, specialty clinics and psychology clinics. Primary-care clinics include free clinics, community clinics, employee clinics and optometric clinics. Specialty clinics include surgical clinics, chronic end-stage renal dialysis clinics and rehabilitation clinics. **(422A.1)**

Application. All new buildings and additions, alterations or repairs to existing buildings subject to licensure shall comply with applicable provisions of the California Electrical Code, California Mechanical Code, California Plumbing Code (Parts 3, 4 and 5 of Title 24) and Building Code. **(422A.2)**

EXCEPTION: See Section 420A.2.

II. The above building was reviewed for compliance with the 1998 California Electrical Code based on the 1996 National Electrical Code. The following items are CEC requirements for the State Licensed Medical Clinics (OSHPD-3). Please read all provisions of the California Electrical Code which apply to OSHPD 3 requirements for clinics prior to your plan submittal. To facilitate the recheck process, following each item describe in writing the corrective action taken. OSHPD 3 requirements are in addition to other CEC provisions.

A. Nonmetallic Multi-outlet Assemblies shall not be used in Clinics. **(Section 353-2(a))**

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- B. In clinic patient care areas, the grounding terminals of all receptacles and all noncurrent-carrying conductive surfaces of fixed electric equipment subject to personal contact, operating over 100 volts, shall be grounded by an insulated copper conductor. The grounding conductor shall be sized per Table 250-95 and installed with the branch circuit conductors in metal raceways per Section 517-13(a). Branch circuits on the plans shall identify this insulated grounding conductor.
- C. The wiring method in Clinic patient care areas shall be in metal raceways or cable assemblies per Section 517-13(b). Metallic raceways and cable sheath assemblies shall be approved as a ground path as defined in Section 250-91(b). Note on the plans the type of wiring method.

The following wiring methods are not allowed in Clinic patient care areas:

- | | | |
|----|--|-------------------|
| 1. | Nonmetallic Cable Trays | Section 318-3(e) |
| 2. | Electrical Nonmetallic Tubing | Section 331-4(10) |
| 3. | Nonmetallic Extensions | Section 342-4(f) |
| 4. | Rigid Nonmetallic Conduit | Section 347-3(g) |
| 5. | Surface Nonmetallic Raceways,
Except low voltage applications | Section 352-22(a) |
- D. Panelboards serving normal and essential branch circuits in clinics shall have their equipment grounding terminal busses bonded together with a minimum #10 insulated copper conductor. Identify equipment grounding conductor on the plans. Section 517-14
- E. Provide a note on the plans stating that any receptacles with insulated grounding terminals in Clinic patient care areas shall have identifiable means visible after installation. Section 517-16
- F. Provide ground fault protection for feeder disconnecting means supplying power to Clinics if there is ground fault protection for the service disconnecting means as required in Sections 230-95 or 215-10. The ground fault protection for such feeders shall be selectively coordinated as required by Section 517-17(b).

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- G. All receptacle outlets and fixed equipment within wet location in Clinics shall have GFCI protection. Section 517-20(a)
- H. Fixed equipment installed in wet locations where an isolated power system is utilized, shall be listed for the purpose and installed in accordance with the provisions of Section 517-160 for Isolated Power Systems. Section 517-20(b)
- I. Lighting fixtures in each room and passageway and shall be equipped with a protective lens or diffuser per Section 517-22(c)
- J. Switches controlling lighting fixtures and receptacle outlets powered by an emergency source shall be identified conspicuously and permanently in a manner such as red colored cover plates and/or red colored devices. Section 517-22
- K. Feeders for Mobile Medical Facilities shall be sized in accordance with Article 220. Section 517-24(a)
- L. Provide a disconnecting means listed and rated for its use for Mobile Medical Facilities. Disconnect shall be located adjacent to and within sight of the service receptacle, and shall be capable of simultaneously disconnecting the ungrounded conductors which supply the service receptacle. Section 517-24(c)
- M. Provide a generator with on-site fuel with a minimum capacity of 4 hours in locations with ambulatory surgical clinics. Note on the plans that power shall be restored by the generator within 10 seconds after loss of normal power. Section 517-50(c) and 700-12(b)(2)
- N. Illumination of means of egress, exit lights, alarms and alerting systems, nurses' call system and central suction system in ambulatory surgical clinic locations shall be supplied by an emergency generator. Section 517-50(d)1
- O. Task illumination and selected receptacle outlets in operating rooms, recovery rooms, nurse's stations, electrical and mechanical rooms and telephone equipment rooms in ambulatory surgical clinic locations shall be supplied by an emergency generator. Section 517-50(d)2
- P. Illumination for means of egress and exit lights in Hemodialysis Clinics shall be provided using battery-operated equipment with a minimum 1 ½ hour capacity after loss of the normal source. Section 517-50(e)1

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- Q. Provide signal systems with provisions for visual and audible communications between patients and nursing personnel and between health care facility staff. Section 517-123