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**LARUCP Minimum Mechanical Plan Submittal Requirements:
MECHANICAL CODE CORRECTION LIST**

**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
OSHPD 3 REQUIREMENTS**

Job Name: _____ Date: _____

Job Address: _____ 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 1997 Uniform Mechanical Code with the 1998 California Amendments (the California Mechanical Code "CMC"). The following items are CMC requirements for the State Licensed Medical Clinics (OSHPD-3). Please read all provisions of the California Mechanical Code which apply to OSHPD 3 clinics prior to your plan submittal. As the result of new information, additional corrections may follow. To facilitate the recheck review, following each item, describe in writing the corrective action taken. As the result of new information, additional corrections may follow. OSHPD 3 requirements are in addition to all other CMC provisions.

A. Area Designation describing room function shall be indicated on the Mechanical drawings. Please submit calculation for each area designation to show compliance with Table 4-A for pressure relationship and ventilation requirements. **(406.1.1) (406.3.1)**

- B. Fans serving exhaust systems shall be located at the discharge end of the system. **(406.1.2)**
- C. Corridors shall not be used to supply air to or exhaust air from any room except to ventilate small rooms (30 square feet maximum) which are mechanically exhausted, such as bathrooms, toilet rooms and janitor's closets. **(406.4.1.3) (See also 406.4.1.4 and 601.1.1)**
- D. Air distribution system:
1. Sensitive areas (including operating rooms, delivery rooms, and nurseries) - supply air outlets shall be located at or near the ceiling. At least two exhaust or recirculation air inlets shall be located between 3 to 8 inches above the finished floor. **(406.4.1.1)**
 2. Negative pressure isolation rooms - supply air outlets shall be located at or near the ceiling and at the end of the room which is opposite the head of the bed. Exhaust registers shall be located on the wall behind the patient's head between 3 to 24 inches above the finished floor. **(413.2)**
 3. Positive pressure isolation rooms - supply air shall be delivered at or near the ceiling and near the patient's bed. All exhaust or return registers shall be located near the entrance to the room between 3 to 8 inches above the finished floor. **(414.1)**
- E. Variable Air Volume systems are not permitted for negative or positive pressure isolation rooms or other sensitive areas listed in Table 315 of the CMC. **(406.5.1)**
- F. Variable Air Volume (VAV) systems through the full range of operation for nonsensitive areas shall comply with the following criteria:
1. The central return fan shall be interlocked with and track the central supply fan. **(406.5.1.2)**
 2. VAV for return air shall be accomplished by utilizing an automatic modulating damper in the return-air duct for each room. The damper will modulate from full open to minimum position in conjunction with the VAV terminal box. **(406.5.1.3)**
 3. The outside air shall be minimum of 2 air changes per hour for VAV system. **(406.5.1.4)**
 4. The minimum ventilation rate shall not drop below 4 air changes per hour for each space. **(406.5.1.4)**
- G. No space above a ceiling may be utilized as an outside-air, supply-air, exhaust-air or return-air plenum. **(406.4.1.4)**

- H. Ducts which penetrate construction, intended for x-ray or other radiation protection, shall not impair the effectiveness of the protection. Submit manufacturer's data sheet for penetration requirements and show detail on the plans. **(408.1)**
- I. Exhaust hoods in food preparation centers shall have a minimum exhaust rate of 100 cubic feet per minute per a square foot of hood face area. **(410.2)**
- J. A dedicated exhaust system shall be provided for negative pressure isolation rooms. Please show compliance with Section 413 of the CMC in detail. **(413)**
- K. A dedicated exhaust system shall be provided for Ethylene Oxide sterilizer equipment room. Please show compliance with Section 417 of the CMC in the detail. **(417)**
- L. Direct evaporative cooling systems shall be limited in health facilities to non-patient areas such as laundry rooms, food preparation areas and boiler or machinery rooms. **(418.2)**
- M. Please indicate the following notes on the drawings:
1. All filters shall be certified by the manufacture and installed in compliance with Sections 406.3.2 and 407 of the CMC. **(406.3.2 and 407)**
 2. Out door air intakes shall be located at least 25 feet from exhaust outlets of ventilating systems, combustion equipment stacks, medical-surgical vacuum systems, cooling towers and areas that may collect vehicular exhaust or other noxious fumes. The bottom of outdoor air intakes shall be located not less than 10 feet above ground level or 18 inches above roof level.
 3. Exhaust outlets shall be located a minimum of 10 feet above adjoining grade and 10 feet from doors, occupied areas and operable windows. **(406.2.2)**
 4. Cold air ducts shall be insulated to prevent condensation problems. **(408.3)**
 5. Laboratory fume hood systems shall comply with Section 409 of the CMC. **(409)**
 6. The exhaust ducts serving negative pressure isolation rooms shall be installed, labeled, and tested in compliance with Sections 413 and 416 of the CMC. **(413 and 416)**
 7. An alarm system shall be installed in compliance with Section 415 of the CMC for negative and positive pressure isolation rooms. **(415)**
 8. Flexible ducts of not more than 10 feet in length may be used to connect supply, return or exhaust air terminal devices to rigid duct systems. **(402.5 and 601.5.1)**
 9. Thermal or acoustical lining materials shall not be installed within ducts, terminal boxes, sound traps and other in-duct systems serving areas such as operating, delivery and recovery rooms, nurseries, intensive care units and negative pressure isolation

