

**FINAL EXPRESS TERMS
FOR
PROPOSED BUILDING STANDARDS
OF THE
OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT**

**REGARDING PROPOSED CHANGES TO
CALIFORNIA MECHANICAL CODE & CALIFORNIA PLUMBING CODE
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PARTS 4 & 5**

LEGEND FOR FINAL EXPRESS TERMS (combination of 45-day and 15-day changes)

1. For 45-day and 15-Day changes, existing California amendments or code language being modified appears in *italics*, with modified language underlined.
2. For 45-day and 15-Day changes, repealed text appears in ~~strikeout~~.

EXPRESS TERMS

CALIFORNIA MECHANICAL CODE

**CHAPTER 2
DEFINITIONS**

217.0

- 0 -

...

OSHPD 3SE. *This is a subcategory of OSHPD 3. OSHPD 3SE facilities have exemptions from selected requirements in the California Mechanical Code. Such facilities are often contained within existing commercial or residential buildings as “storefront” units, but they may also be freestanding new or converted structures. The services provided and the size of the units limit use and occupancy, thereby minimizing hazards and allowing for less stringent standards. OSHPD 3SE classification consists of the following facility types:*

- (1) *Primary Care Clinics providing services limited to those listed in California Building Code Section 1226.6 (i.e. clinics without treatment rooms and that perform procedures limited to those that may be performed in exam rooms as defined in California Building Code Section 1224.3). Outpatient clinical services of a hospital providing services equivalent to a primary care clinic may also be classified as OSHPD 3SE.*

Exception: *Primary Care Clinics that include treatment rooms, procedure rooms, or patient treatment spaces that require positive or negative pressure other than airborne infection isolation exam rooms, shall not be classified OSHPD 3SE.*

- (2) *Rehabilitation Clinics providing services limited to those listed in California Building Code Section 1226.10.*

- (3) *Psychology Clinics providing services limited to those listed in California Building Code Section 1226.12.*

No other clinics or outpatient clinical services of a hospital, when provided in a freestanding building, considered as OSHPD 3 facilities shall be classified OSHPD 3SE.

NOTATION:

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government Code Section 11152.5

Reference: Health and Safety Code Section 129850

CHAPTER 4 VENTILATION AIR SUPPLY

407.2.1 Outdoor Air Intakes. *Outdoor air intakes shall be located at least 25 feet (7.62 m) 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. Plumbing vents shall be located in relation to outdoor air intakes per California Plumbing Code. The bottom of outdoor air intakes shall be located as high as practicable, but not less than 10 feet (3048 mm) above ground level. If installed above the roof, they shall be located 18 inches (457 mm) above roof level or 3 feet (914 mm) above a flat roof where heavy snowfall is anticipated.*

...

407.4 Air Circulation

407.4.1 *Design of the ventilation system shall provide air movement that is generally from clean to less clean areas.*

407.4.1.1 *Air supplied to operating rooms, cesarean operating rooms, cardiac catheterization labs, cystoscopy rooms, delivery rooms, and nurseries shall be delivered at or near the ceiling of the area served. In these areas and in morgues and autopsy rooms all air removed from the area shall be removed near floor level. Exhaust or recirculation inlets shall be located not less than 3 inches (76 mm) nor more than 8 inches (203 mm) above the finished floor, except in morgues and autopsy rooms where all of the exhaust air is removed through an autopsy table designed for this purpose. At least two exhaust or recirculation air inlets shall be used in all cardiac catheterization labs, cystoscopy rooms, operating rooms, and delivery rooms shall be located not less than 3 inches (76 mm) nor more than 8 inches (203 mm) above the finished floor.*

...

407.4.1.4 *No space above a ceiling may be utilized as an outside-air, relief-air, supply-air, exhaust-air, or return-air plenum.*

Exceptions:

(1) Designs specifically approved by the enforcing agency.

(2) OSHPD 3SE facilities.

**TABLE 4-A
PRESSURE RELATIONSHIP AND VENTILATION REQUIREMENTS FOR GENERAL ACUTE CARE
HOSPITALS, SKILLED NURSING FACILITIES, INTERMEDIATE CARE FACILITIES, CORRECTIONAL
TREATMENT CENTERS, OUTPATIENT FACILITIES, AND LICENSED CLINICS**

| A | B | C | D | E | F |
|--|---|---|--|---|---|
| AREA DESIGNATION | AIR BALANCE RELATIONSHIP TO ADJACENT AREAS⁸ | MINIMUM AIR CHANGES IF 100% O.S.A. | CONDITIONED AIR NOT 100% O.S.A. | | ALL AIR EXHAUSTED DIRECTLY TO OUTDOORS |
| | | | MINIMUM AIR CHANGES OF OUTDOOR AIR PER HOUR | MINIMUM TOTAL AIR CHANGES PER HOUR | |
| ... <i>Nuclear medicine</i> | N | 6 | 2 | 6 | Yes |
| <i>Nuclear medicine hot lab</i> | N | --- | --- | 6 | Yes |
| <i>Airborne infection isolation exam/treatment room</i> <i>Airborne infection isolation exam room shall be permitted for [OSHPD 3SE]</i> ... | N | 12 | 2 | 12 | Yes |

P = Positive NR = No requirement for continuous directional control N = Negative

...

**TABLE 4-B
FILTER EFFICIENCIES FOR CENTRAL VENTILATION AND AIR CONDITIONING SYSETMS IN
GENERAL ACUTE CARE HOSPITALS, OUTPATIENT FACILITIES, AND LICENSED CLINICS.¹**

| AREA DESIGNATION | MINIMUM NUMBER OF FILTER BANKS | FILTER EFFICIENCY % FILTER BANK | | |
|---|---------------------------------------|--|--------------------------|--------------------------|
| | | (Minimum efficiency reporting value MERV)⁵ | | |
| | | No. 1¹ | No. 2¹ | No. 3¹ |
| <i>Administrative, med staff support areas, bulk storage, soiled holding areas, food preparation areas, public cafeterias, and laundries, and OSHPD 3SE facilities.</i> | 1 | 30% | - | - |
| | | (8) | - | - |

NOTATION:

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government Code Section 11152.5

Reference: Health and Safety Code Section 129850

**CHAPTER 6
DUCT SYSTEMS**

602.1 General. Supply air, return air, and outside air for heating, cooling, or evaporative cooling systems shall be conducted through duct systems constructed of metal as set forth in the *ANSI/SMACNA 006–2006 HVAC Duct Construction Standards – Metal and Flexible*, or another approved duct construction standard. Rectangular ducts in excess of two (2) inches w.g. shall comply with the *ANSI/SMACNA 006–2006 HVAC Duct Construction Standards - Metal and Flexible*, or another approved duct construction standard. Ducts, plenums, and fittings may be constructed of concrete, clay, or ceramics when installed in the ground or in a concrete slab, provided the joints are tightly sealed.

In other than Group A, E, H, I, L, and R occupancies, high-rise buildings, and other applications listed in Section 1.11.0 regulated by the Office of the State Fire Marshal, corridors shall not be used to convey air to or from rooms if the corridor is required be of fire-resistive construction per the Building Code. In Group A, E,H, I, L, and R occupancies, high-rise buildings, and other applications listed in Section 1.11.0 regulated by the Office of the State Fire Marshal, corridors shall not be used to convey air to or from rooms except where permitted in accordance with Section 1018.5 of the California Building Code.
Exception: [OSHPD 1, 2, 3, & 4] (See Section 407.4.1.3).

Not permitted for [OSHPD 1, 2, 3 & 4] Permitted for [OSHPD 3SE] Concealed building spaces or independent construction within buildings may be used as ducts or plenums. When gypsum products are exposed in ducts or plenums, the air temperature shall be restricted to a range from 50°F (10°C) to 125°F (52°C), and moisture content shall be controlled so that the material is not adversely affected. For the purpose of this section, gypsum products shall not be exposed in ducts serving as supply from evaporative coolers, and in other air-handling systems regulated by this chapter when the temperature of the gypsum product will be below the dew point temperature.

...

602.3.1 Flexible Ducts. [OSHPD 1, 2, 3 & 4] *In hospital building projects and all other health-care facilities, including clinics and correctional treatment centers, flexible ducts of not more than 10 feet (3048 mm) in length may be used to connect supply, return or exhaust-air terminal devices to rigid duct systems. Where constant volume, variable volume or mixing boxes are utilized, flexible duct of not more than 10 feet (3048mm), may be used on the inlet side for alignment. An internal impervious liner shall be provided to isolate insulation material from conditioned air. **Exception: [OSHPD 3SE]***

NOTATION:

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government Code Section 11152.5

Reference: Health and Safety Code Section 129850

CALIFORNIA PLUMBING CODE

**CHAPTER 2
DEFINITIONS**

217.0

- O -

...

OSHPD 3SE. *This is a subcategory of OSHPD 3. OSHPD 3SE facilities have exemptions from selected requirements in the California Mechanical Code. Such facilities are often contained within existing commercial or residential buildings as “storefront” units, but they may also be freestanding new or*

converted structures. The services provided and the size of the units limit use and occupancy, thereby minimizing hazards and allowing for less stringent standards. OSHPD 3SE classification consists of the following facility types:

(1) Primary Care Clinics providing services limited to those listed in California Building Code Section 1226.6 (i.e. clinics without treatment rooms and that perform procedures limited to those that may be performed in exam rooms as defined in California Building Code Section 1224.3). Outpatient clinical services of a hospital providing services equivalent to a primary care clinic may also be classified as OSHPD 3SE.

Exception: Primary Care Clinics that include treatment rooms, procedure rooms, or patient treatment spaces that require positive or negative pressure other than airborne infection isolation exam rooms, shall not be classified OSHPD 3SE.

(2) Rehabilitation Clinics providing services limited to those listed in California Building Code Section 1226.10.

(3) Psychology Clinics providing services limited to those listed in California Building Code Section 1226.12.

No other clinics or outpatient clinical services of a hospital, when provided in a freestanding building, considered as OSHPD 3 facilities shall be classified OSHPD 3SE.

NOTATION:

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government Code Section 11152.5

Reference: Health and Safety Code Section 129850

CHAPTER 6 WATER SUPPLY AND DISTRIBUTION

604.1 All pipe, tube, and fittings carrying water used in potable water systems intended to supply drinking water shall meet the requirements of NSF 61, *Standard for Drinking Water Systems Components*, as found in Table 14-1. Materials used in the water supply system, except valves and similar devices, shall be of a like material, except where otherwise approved by the Authority Having Jurisdiction.

Materials for building water piping and building supply piping shall be in accordance with the applicable standards referenced in Table 6-4.

Exceptions: ~~(1)~~**[OSHPD 1, 2, 3 & 4]** Use of CPVC is not permitted for applications under authority of the Office of Statewide Health Planning and Development.

609.9 Disinfection of Potable Water System. New or repaired potable water systems shall be disinfected prior to use whenever required by the Authority Having Jurisdiction. **[OSHPD 1, 2, 3 & 4] Not required for [OSHPD 3SE].** Prior to utilization of newly constructed or altered potable water systems, all affected potable water piping shall be disinfected using procedures prescribed in California Plumbing Code Sections 609.9.1 through 609.9.4. The method to be followed shall be that prescribed by the Health Authority or, in case no method is prescribed by it, the following:

...

612.0 [OSHPD 1, 2, 3 & 4] Domestic Hot-Water Distribution Systems for Health Facilities and Clinics.

...

612.2 *At least two pieces of hot-water-heating equipment shall be provided to supply hot water for dishwashing and minimum patient services such as handwashing and bathing. Booster heaters for 125°F to 180°F (52°C to 82°C) water are acceptable as a second piece of equipment for dishwashing. Where storage tanks are separate from the water heater, at least two independent storage tanks shall be provided **[Not required for [OSHPD 3SE].***

NOTATION:

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government Code Section 11152.5

Reference: Health and Safety Code Section 129850

**CHAPTER 7
SANITARY DRAINAGE**

701.0 Materials.

701.1 Materials for drainage piping shall be in accordance with one of the referenced standards in Table 7-1 except that:

...

701.1.2.1 [OSHPD 1, 2, 3 & 4] *ABS and PVC installations are not allowed.*

NOTATION:

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government Code Section 11152.5

Reference: Health and Safety Code Section 129850

**CHAPTER 9
VENTS**

906.0 Vent Termination.

...

906.2 Each vent shall terminate not less than ten (10) feet (3,048 mm) from, or not less than three (3) feet (914 mm) above, any openable window, door, opening, air intake, or vent shaft, or not less than three (3) feet (914 mm) in every direction from any lot line, alley and street excepted.

906.2.1 [OSHPD 1, 2, 3 & 4, except OSHPD 3SE] *Each vent pipe shall terminate not less than twenty-five (25) feet (7260 mm) from any air intake or vent shaft.*

NOTATION:

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government Code Section 11152.5

Reference: Health and Safety Code Section 129850