

Summary of Changes

Residential Building Code changes:

- Amendment: R302.5.1 = entry doors from the garage that opens into the house shall also be self-latching.
- Amendment: R506.2.3 = increase the poly vapor barrier between the ground and slab from 6 mil to 10 mil.
- Amendment: Table R403.1(1) = new 2 story concrete slab beams min size went from 12" wide to 13" wide.
- Amendment: R314.3 = smoke alarms are required in rooms that open from the hallway over 24 inches or more in height.
- Amendment: R609.4.1 = garage doors must have manufacturer's label

Commercial Building Code changes:

- New code Sec 3115.1 for shipping container construction.
- New code IBC 3313.1 mandates permanent or temporary fire protection is required when combustible building materials arrive on site

Plumbing & Gas Code changes:

- Amendment: P2503.5 = 10 ft head water on DWV, with a new -5 lbs vacuum option
- New: P2905.3 = 100 ft max distance required from water heater to last fixture
- Amendment: G2415.5 = allows threaded plugs and caps to be in concealed places
- Amendment: G2427.10.7 = vent connectors must be with either a Tee or Wye
- Amendment: G2447.2 = Listed commercial only type cooking appliances cannot be used in dwelling units
- Amendment: IPC 606.1 multi-tenant buildings shall have a water valve near the curb and at the entrance to the tenant space.
- Amendment: Sec 403.2 new unisex rules for Separate Facilities

Energy Code changes:

- ~~IECC = attic insulation from R38 to R49.~~ *For this item, the CBOA recommended to delete this requirement and keep R38 for the attic.*
- Amendment: IECC = can use Continuous R10 or R13 in walls
- Amendment: R402.2.4 attic access doors and hatches shall be weather-stripped
- Amendment: R402.2.4 pull down attic stairs shall be min R-13 and U 0.10
- Amendment: R404.1 = all (100%) light lamps shall be high=efficacy type
- Amendment: R402.2.2.3 = continuous eve baffles
- Amendment: Energy C303.1.2 = all insulation and its value shall be marked
- New: Energy C401.3 = a permanent thermal envelope certificate shall be placed near the space conditioning equipment
- Clarification: Energy C402.4.1.2 no credit for insulation installed on top of suspended ceilings with removable tile
- New: Energy C402.5 = continuous air barrier is required (inside or outside or combo)
- New: Energy C402.5 = such air barrier shall be installed in all group R and I use buildings plus other buildings less than 5,000 sq ft
- New: Energy C402.5.1.5 = such building envelope performance shall be verified by design documents, through inspection and a final commissioning report.
- New: Energy C402.5.2 = Dwelling and sleeping unit enclosure testing of the first 8 units, then 20% after

Electrical Code changes (for reference only, already adopted by the state):

- Sec 210.8 = the measuring distance from receptacles to sinks has been modified by removing doors and doorways
- Sec 210.8(A) = all 240-volt receptacles installed within 6 ft of wet locations must be GFCI protected (laundry rooms)
- Sec 210.8(A) (11) = GFCI required for all indoor damp and wet locations (mud rooms, dog washrooms)
- Sec 210.8(F) all 240-volt outdoor outlets for dwelling shall be GFCI

- Sec 210.52(C) (2) = Island and Peninsular countertops now require more receptacles
- Sec 230.71 = two to six service disconnects must be in separate enclosures
- Sec 230.85 Fireman's disconnect for 1 & 2 Family dwelling units (at Service or meter)
- Sec 250.64(B),(2) = the grounding electrode conductor shall be protected in Sch 80 PVC or other listed materials
- Sec 250.121(B) = the metal frames of buildings or structures shall not be used as an equipment grounding conductor.
- Sec 314.27 (C) = Electrical boxes for ceiling suspended paddle fans shall be listed for such
- Sec 406.9 (C) = receptacles shall not be installed within a 3 x 8 ft zone from bathtub or shower
- Sec 406.12 = tamper resistant receptables are now required in motels, dormitory units and assisted living facilities
- Sec 450.9 = transformer tops shall be marked to prohibit storage
- Sec 518.6 = illumination shall be provided for service equipment for assembly occupancies.

Solar Related Code changes:

- 690.13(A) = where the PV system disconnect means above 30 V are readily accessible to unqualified persons, the enclosure door or cover that exposes live parts when open shall be locked or require a tool to open.
- 690.13(E) = the PV system disconnecting means shall be one of the following items listed in (1) through (5).
- 690.41(B) = DC circuits over 30 volts or 8 amps shall have dc GFCI protection
- 690.53 = DC PV circuits shall have a visible label indicating the highest max dc voltage of the system.

Electric Vehicle charging rule changes:

- Sec 625.54 = GFCI protection shall be provided for electric vehicle charging

- 625.56 = electric vehicle charging receptables using an outlet box hood shall be listed and shall be identified as extra duty. There are exemptions for devices not using an outlet box hood.

Swimming Pool electrical code rules:

- 680.21(C) = the code added 3-phase outlets supplying swimming pool motors shall be GFCI protected
- 680.21(D) = GFCI protection shall be provided when replacing pool motors
- 680.22 (A)(5) = at least one GFCI receptacle shall be located in a pool equipment room

Swimming Pool Construction Code changes (for reference only, already adopted by the state):

- ISPSC 305.1.1 = in ground pool construction sites shall have a 4 ft fence when construction starts
- ISPSC 305.3 = barrier doors and gates must accommodate a locking device and swing outward.
- ISPSC 305.8 = outdoor public pools means of egress shall be per Chapter 10 IBC
- ISPSC 316.6 allows solar thermal water heating systems

Mechanical Code changes:

- IMC 307.1.1 both the primary and secondary drain terminations must be labeled
- IMC 307.2.2 = Condensate drainpipes must be min $\frac{3}{4}$ inch size
- IMC 502.1 manicure and pedicure stations shall have continuous ventilation when occupied
- M1411.6 = vapor suction lines must be insulated to minimum R3
- M1411.8 = support refrigerant piping within 6 ft of condensing unit.
- IMC 1502.3 = clothes dryer vent to be min of 3 ft from building openings, including soffit vents

Fire Code Changes:

- **Section 1103.7.5.1. Fire Alarm in R-1 Hotel/Motel uses**
 - Manual fire alarm systems required in existing R-1 hotel or motel when greater than 1-story or more than 20 sleeping rooms.
 - Exception #1: Fire alarm system is not required if only 1-story with more than 20 sleeping rooms AND each room has direct access to public way AND each sleeping room is separated by 1-hour rated walls.
 - Exception #2: Fire alarm system not required if 3 stories or less with 20 or less sleeping rooms AND is fire sprinklered with NFPA 13 or 13R.
 - Exception #3: Fire alarm system required, but only 1 manual fire alarm box IF fire sprinklered with NFPA 13 or 13R

- **Section 1103.9. CO Detection in Existing Buildings:**
 - CO detection required in existing:
 - Group I-1 (24-hour custodial care)
 - Group I-2 (24-hour medical care)
 - Group I-4 (Custodial care in place other than home of person)
 - Group R (Buildings or areas used for sleeping other than 1 & 2 family homes)
 - Classrooms in Group E (Childcare)
 - Can be battery operated CO alarms if the code in effect at the time of construction did not require CO detection.
 - Can be CO alarms or CO detection.