



**COMMUNITY DEVELOPMENT DEPARTMENT  
BUILDING DIVISION**

CITY HALL  
10300 TORRE AVENUE • CUPERTINO, CA 95014-3255  
TELEPHONE: (408) 777-3228 • FAX: (408) 777-3333  
CUPERTINO.ORG

## 2019 California Building Code (CBC) Changes

### SUMMARY

Most of the significant changes are modifications to existing requirements or additional requirements. Several of the modification omitted code language and referenced various standards. There were also clarifications to align the CBC with the CRC and ADA.

### SIGNIFICANT CHANGES

<i>NEW -CHANGE</i>	<i>CBC SECTION/TABLE NUMBER</i>	<i>COMMENTARY</i>
<input type="checkbox"/> <input checked="" type="checkbox"/>	1.10.1    1.10.5	<p><b>OSHPD.</b> OSHPD 1R has been added. Non-conforming hospital buildings that have been removed from acute care services.</p> <p><b>OSHPD.</b> OSHPD 5 has been added. Acute psychiatric hospital building.</p>
<input checked="" type="checkbox"/> <input type="checkbox"/>	107.2.5	<p><b>Exterior balconies and elevated walking surfaces.</b> Where balconies or other elevated walking surfaces are exposed to water from direct or blowing rain, snow, or irrigation, and the structural framing is protected by an impervious moisture barrier, the construction documents shall include details for all elements of the impervious moisture barrier system. The construction documents shall include manufacturer's installation instructions.</p>
<input checked="" type="checkbox"/> <input type="checkbox"/>	110.3.6	<p><b>Weather-exposed balcony and walking surface waterproofing.</b> Where balconies or other elevated walking surfaces are exposed to water from direct or blowing rain, snow or irrigation, and the structural framing is protected by an impervious moisture barrier, all elements of the impervious moisture barrier system shall not be concealed until inspected and approved.</p>

<input checked="" type="checkbox"/> <input type="checkbox"/>	Definitions	<p><b>Exterior Elevated Elements.</b> Elevated balconies, decks, porches, stairways, landings, walkways, including their supports and railings, extending beyond exterior walls of a building or structure, with a walking surface, and designed for human occupancy or use.</p> <p><b>Greenhouse.</b> A structure or thermally isolated area of a building that maintains a specialized sunlit environment used for an essential to the cultivation, production or maintenance of plants.</p>
<input checked="" type="checkbox"/> <input type="checkbox"/>	Definitions	<p><b>Open-Air Assembly Seating.</b> Seating served by means of egress that is not subject to smoke accumulation within or under a structure and is open to the atmosphere.</p> <p><b>Smoke-Protected Assembly Seating.</b> Seating served by means of egress that is not subject to smoke accumulation within or under a structure for a specified design time by means of passive design or mechanical ventilation.</p> <p><b>Umbrella Structure.</b> A structure, enclosure or shelter with or without sidewalls or drops, constructed of fabric or pliable material supported by a central pole or poles.</p>
<input type="checkbox"/> <input checked="" type="checkbox"/>	302.1	<p><b>Occupancy classification.</b> Occupied roofs shall be classified in the group that the occupancy most nearly resembles, according to the fire safety and relative hazard.</p>
<input type="checkbox"/> <input checked="" type="checkbox"/>	303.4	<p><b>Assembly Group A-3.</b> Greenhouses for the conservation and exhibition of plants that provide public access.</p>
<input type="checkbox"/> <input checked="" type="checkbox"/>	309.1	<p><b>Mercantile Group M.</b> Greenhouses with public access that maintain plants for display and sale.</p>
<input type="checkbox"/> <input checked="" type="checkbox"/>	312.1.1	<p><b>Greenhouses.</b> Greenhouses not classified as another occupancy shall be classified as Group U</p>
<input type="checkbox"/> <input checked="" type="checkbox"/>	308.54	<p><b>Six or fewer persons receiving care in a dwelling unit.</b> A facility such as the above within a dwelling unit and having <i>six</i> or fewer persons receiving custodial care shall be classified as a Group R-3 occupancy. <i>Where occupants are not capable of responding to an emergency situation without physical assistance from the staff shall be classified as a Group I-4.</i></p>
<input checked="" type="checkbox"/> <input type="checkbox"/>	310.3.2	<p><b>Residential Group R-2.2 (CDCR Only)</b> Residential occupancies operated by CDCR in a community located facility that provides housing and community-based program services for non-transient ambulatory participants in a non-licensed facility with 24/7 supervision.</p>
<input type="checkbox"/> <input checked="" type="checkbox"/>	310.3 & 310.4	<p><b>Residential Group R-2 &amp; Residential Group R-3.</b> Congregate living facilities such as dormitories and similar transient uses with occupant load is 16 or more is R-2.  Congregate living facilities such as dormitories and similar non-transient uses with occupant load is 16 or less is R-3.  Congregate living facilities such as dormitories and similar transient uses with occupant load is 10 or less is R-3.</p>

<input type="checkbox"/> <input checked="" type="checkbox"/>	311.2	<b>Moderate-hazard storage, Group S-1.</b> Self-service storage (mini storage)
<input type="checkbox"/> <input checked="" type="checkbox"/>	312.1	<b>Utility and Miscellaneous Group U.</b> Communication equipment structures with a gross floor area of less than 1,500 square feet.
<input type="checkbox"/> <input checked="" type="checkbox"/>	403.2.1.1	<b>Type of Construction.</b> The following was changed. 2. In other than Group F-1, H-2, H-3, H-5, M, and S-1 occupancies, the fire-resistance rating of the building elements in Type IB construction shall be permitted to be reduced to the fire-resistance ratings in Type IIA.
<input type="checkbox"/> <input checked="" type="checkbox"/>	403.4.8.4	<b>Emergency power loads.</b> The following has been added. 7. Power and lighting for the fire command center required by Section 403.4.6
<input type="checkbox"/> <input checked="" type="checkbox"/>	405.8.2	<b>Emergency power loads.</b> Fire pumps has been added to the list.
<input type="checkbox"/> <input checked="" type="checkbox"/>	404.6	<b>Enclosure of Atriums.</b> The following has been added as an exception. 4. A fire barrier is not required between the atrium and the adjoining spaces where atrium is not required to be provided with a smoke control system.
<input type="checkbox"/> <input checked="" type="checkbox"/>	406.6.2	<b>Ventilation.</b> The following code has been changed from an exception under Enclosed parking garages into its own section for clarification. A mechanical ventilation system and exhaust system shall be provided in accordance with Chapters 4 and 5 of the CMC
<input type="checkbox"/> <input checked="" type="checkbox"/>	407.2.6	<b>Nursing home cooking facilities.</b> The following numbers have been added to the criteria of this section.  5. The space containing the domestic cooking facility shall be arranged so as not to obstruct access to the required exit. 7. Cooktops and ranges shall be protected in accordance with Section 904.13 8. A shut off for the fuel and electrical power supply to the cooking equipment shall be provided in a location that is accessible only to the staff. 9. A timer shall be provided that automatically deactivates the cooking appliance within a period of not more than 120 minutes. 10.A portable fire extinguisher shall be provided. Installation shall be located within a 30-foot distance of travel from each domestic cooking appliance.
<input checked="" type="checkbox"/> <input type="checkbox"/>	407.4.2.1	<b>Two means of egress.</b> Any sleeping room of more than 1,000 square feet shall have no fewer than two exit access doors from the sleeping room located in accordance with section 1007.1. any rom, other than sleeping rooms, with an area of more than 2,500 square feet shall have no fewer than two exit access doors from the room located in accordance with 1007.1
<input type="checkbox"/> <input checked="" type="checkbox"/>	419.1	<b>Live/Work Units. General.</b> The following exception has been added. <b>Exception:</b> Live/work units complying with the requirements of section 419 shall be permitted to be constructed as one- and two-family dwellings or townhouses in accordance with the California Residential Code as applicable.
<input type="checkbox"/> <input checked="" type="checkbox"/>	419.3	<b>Means of egress.</b> The following exception has been added to this section. <b>Exception:</b> Residential areas of live/work units constructed in accordance with the CRC shall not be required to comply with chapter 10.

<input type="checkbox"/> <input checked="" type="checkbox"/>	419.6	<b>Structural.</b> The following exception has been added to this section. <b>Exception:</b> Residential areas of live/work units constructed in accordance with the CRC shall not be required to comply with chapter 10.
<input checked="" type="checkbox"/> <input type="checkbox"/>	420.9	<b>Group R cooking facilities.</b> In Group R occupancies, cooking appliances used for domestic cooking operations shall be in accordance with Section 917.2 of the CMC
<input checked="" type="checkbox"/> <input type="checkbox"/>	420.10  420.10.1  420.10.2	<b>Group R-2 dormitory cooking facilities.</b> Domestic cooking appliances for use by residents of Group R-2 college dormitories shall be in accordance with Section 420.10.1 and 420.10.2  <b>Cooking appliances.</b> Where located in Group R-2 college dormitories, domestic cooking appliances for use by residents shall be in compliance with all the items listed in this section.  <b>Cooking appliances in sleeping rooms.</b> Cooktops, ranges and ovens shall not be installed nor used in sleeping rooms.
<input type="checkbox"/> <input checked="" type="checkbox"/>	420.13	<b>Electric Vehicle (EV) charging for new construction.</b> Group R-1 has been added.
<input checked="" type="checkbox"/> <input type="checkbox"/>	423.4.1 & 423.4.2	<b>Required occupant capacity.</b> This section lists the requirements for the occupant capacity of a storm shelter and the location with the maximum distance of travel from one exterior door to the next.
<input checked="" type="checkbox"/> <input type="checkbox"/>	427	<b>Medical Gas Systems.</b> Medical gases at health care related facilities intended for patient or veterinary care shall comply with sections 427.2 through 427.2.3 in addition to requirements of Chapter 53 of the California Fire Code.
<input checked="" type="checkbox"/> <input type="checkbox"/>	503.1.4	<b>Occupied roofs.</b> A roof level or portion thereof shall be permitted to be used as an occupied roof provided the occupancy of the roof is an occupancy that is permitted by table 504.4 for the story immediately below the roof. The area of the occupied roof shall not be included in the building area as regulated by section 506. Two exceptions provided.
<input checked="" type="checkbox"/> <input type="checkbox"/>	503.1.4.1	<b>Enclosures over occupied roof areas.</b> Elements or structures enclosing the occupied roof areas shall not extend more than 48 inches above the surface of the occupied roof.
<input type="checkbox"/> <input checked="" type="checkbox"/>	Tables 504.3, 504.4, 506.2	Footnote. h. New Group R occupancies are required to be protected by an automatic sprinkler system in accordance with Section 903.2.8. Accessory dwelling units as defined in Government Code Section 65852.2(i)(4) are not required to have fire sprinklers if they are not required for the primary residence.

<input type="checkbox"/> <input checked="" type="checkbox"/>	505.2.1	<p><b>Area limitation.</b> One exception has been added.</p> <p><b>Exception</b></p> <p>3. The aggregate area of a mezzanine within a dwelling unit that is located in a building equipped throughout with an approved automatic sprinkler system in accordance with section 903.3.1.1 or 903.3.1.2 shall not be greater than one-half of the floor area of the room, provided:</p> <p>3.1. Except for enclosed closets and bathrooms, the mezzanine shall be open to the room in which such mezzanine is located.</p> <p>3.2. The opening to the room shall be unobstructed except for walls not more than 42 inches in height, columns and posts; and</p> <p>3.3. Exceptions to Section 505.2.3 shall not be permitted.</p>
<input checked="" type="checkbox"/> <input type="checkbox"/>	505.2.1.1	<p><b>Aggregate area of mezzanines and equipment platforms.</b> Where a room contains both a mezzanine and an equipment platform, the aggregate area of the two raised floor levels shall be not greater than two-thirds of the floor area of that room or space in which they are located. The area of the mezzanine shall not exceed the area determined according to section 505.2.1</p>
<input type="checkbox"/> <input checked="" type="checkbox"/>	507.3	<p><b>Sprinklered, one-story buildings.</b> The following exception has been added.</p> <p>2.3 The sprinkler omission permitted for indoor participant sport areas of Group A-4 buildings is now not applicable to storage rooms, press boxes, concession areas and other ancillary spaces.</p>
<input type="checkbox"/> <input checked="" type="checkbox"/>	508.4.1	<p><b>Occupancy classification.</b> The most restrictive provisions of Chapter 9 that apply to the separate occupancies shall apply to the total non-fire-barrier separated occupancy areas. Occupancy separations that serve to define fire area limits established in Chapter 9 fore requiring a fire protection system shall also comply with Section 901.7</p>
<input type="checkbox"/> <input checked="" type="checkbox"/>	510.2	<p><b>Horizontal building separation allowance.</b> The following has been added to the first condition.</p> <p>Where vertical offsets are provided as part of a horizontal assembly, the vertical offset and the structure supporting the vertical offset shall have a fire-resistance rating of not less than 3- hours.</p>
<input type="checkbox"/> <input checked="" type="checkbox"/>	Table 601	<p>Footnote b.</p> <p>All portions of the roof construction, including primary structural frame members such as girders and beams, are now exempted from fire-resistance requirements where every portion of the roof construction is at least 20 feet above any floor below.</p>
<input type="checkbox"/> <input checked="" type="checkbox"/>	602.3 & 602.4	<p><b>Type III.</b> Type III construction is that type of construction in which the exterior ... fire-retardant- treated wood framing and sheathing complying with Section 2303.2 shall be permitted within exterior wall assemblies of a 2hour rating or less.</p> <p><b>Type IV.</b> Fire-retardant-treated wood framing and sheathing...shall be permitted within exterior wall assemblies not less than 6 inches in thickness with a 2-hour rating or less.</p>

<input type="checkbox"/> <input checked="" type="checkbox"/>	Table 602	<p><b>Footnote.</b></p> <p>h. For a building containing only a Group U occupancy private garage or carport, the exterior wall shall not be required to have a fire resistance rating where the fire separation distance is 5 feet or greater or when equipped with an automatic sprinkler system in accordance with Section 903.3 the fire- resistance shall not e required where the fire separation distance is 3 feet or greater. i. For a Group R-3 building of Type II-B or Type V-B construction, the exterior wall shall not be required to have a fire-resistance rating where the fire separation distance is 5 feet or greater or when equipped with an automatic sprinkler system in accordance with section 903.3 the fire-resistance shall not be required where the fire separation distance is 3 feet or greater.</p>
<input type="checkbox"/> <input checked="" type="checkbox"/>	603.1	<p><b>Allowable materials.</b> Combustible materials shall be permitted in buildings of Type I or II construction in the following applications and in accordance with Sections 603.1.1 through 603.1.3.</p> <p>1. Fire-retardant-treated wood shall be permitted in:</p> <p style="padding-left: 40px;">1.4. Balconies, porches, decks and exterior stairways not used as required exits on buildings three stories or less above grade plane.</p>
<input type="checkbox"/> <input checked="" type="checkbox"/>	704.4.1	<p><b>Light-frame construction.</b> Studs, columns, and boundary elements that are integral elements in loadbearing walls of light-frame construction and are located entirely between the top and bottom plates or tracks shall be permitted to have required fire-resistance ratings provided by the membrane protection provided for the load-bearing wall.</p>
<input type="checkbox"/> <input checked="" type="checkbox"/>	704.6.1	<p><b>Secondary attachments to structural members.</b> Where primary and secondary structural steel members require fire protection, secondary steel attachments to those structural members shall be protected with the same fire resistive material and thickness as required for the structural member.</p>
<input type="checkbox"/> <input checked="" type="checkbox"/>	Table 705.2	<p><b>Minimum distance of projection.</b> This table has been updated for fire separation distance.</p>
<input checked="" type="checkbox"/> <input type="checkbox"/>	705.2.3.2	<p><b>Vents.</b> Vents required by section 2304.12.2.6 in fire-rated exterior balconies or elevated walkway surfaces shall be designed where the voids created at the intersection of the exterior curtain wall and the balcony floor are sealed with an approved material or system to retard the interior spread of flame, hot gases and products of combustion.</p> <p>Rated assemblies shall comply with section 715.</p>
<input type="checkbox"/> <input checked="" type="checkbox"/>	706.1.1	<p><b>Party walls.</b> The following exception has been added. Fire walls are not required on lot lines dividing a building for ownership purposes where the aggregate height and area of the portions of the building located on both sides of the lot line do not exceed the maximum height and area requirements of this code. For the code official's review and approval, he or she shall be provided with copies of dedicated access easements and contractual agreements that permit the owners of portions of the building located on either side of the lot line access to the other side for purposes of maintaining fire and life safety systems necessary for the operation of the building.</p>

<input type="checkbox"/>	<input checked="" type="checkbox"/>	706.2	<b>Structural stability.</b> The following exception has been added. <b>Exception:</b> In Seismic Design Categories D through F, where double fire walls are used in accordance with NFPA 221, floor and roof sheathing not exceeding ¾ inch thickness shall be permitted to be continuous through the wall assemblies of light frame construction.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	713.8.1	<b>Prohibited penetrations.</b> The following exception has been added to this section. <b>Exception.</b> Membrane penetrations shall be permitted on the outside of shaft enclosures. Such penetrations shall be protected in accordance with Section 714.4.2
<input type="checkbox"/>	<input checked="" type="checkbox"/>	714.5.2	<b>Membrane penetrations.</b> The following exception has been added to this section. <b>Exception.</b> 8. Ceiling membrane penetrations by listed luminaires (light fixtures) or by luminaires protected with listed materials, which have been tested for use in fire resistance-rated assemblies and are installed in accordance with the instructions included in the listing.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	707A.3	<b>Exterior walls.</b> Heavy timber is now, "sawn lumber"
<input checked="" type="checkbox"/>	<input type="checkbox"/>	708A.2.22	<b>Operable Skylights.</b> Operable skylights shall be protected a non-combustible mesh screen where the dimensions of the openings in the screen shall not exceed 1/8 inch.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	708A.4	<b>Garage door perimeter gap weather stripping.</b> Exterior garage doors shall resist the intrusion of embers from entering by preventing gaps between doors and door openings, at the bottom, sides and tops of doors, from exceeding 1/8 inch. Gaps between doors and door openings shall be controlled by one of the methods listed in this section.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	803.11	<b>Laminated products factory produced with a wood substrate.</b> Laminated products factory produced with a wood substrate shall comply with one of the two criteria listed in this section.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	803.12	<b>Facing or wood veneers intended to be applied on site over a wood substrate.</b> Facing or veneers intended to be applied on site over a wood substrate shall comply with one of the two criteria listed in this section.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	806.3	<b>Occupancy-based requirements.</b> Occupancy-based requirements for combustible decorative materials, other than decorative vegetation, not complying with section 806.4 shall comply with section 807.5.1 through 807.5.6 of the California Fire Code.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	902.1.1	<b>Access.</b> Automatic sprinkler system risers, fire pumps and controllers shall be provided with ready access. Where located in a fire pump room or automatic sprinkler system riser rom, the door shall be permitted to be locked provided that the key is available at all times.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	902.1.2	<b>Marking on access doors.</b> Access doors for automatic sprinkler system riser rooms and fire pump rooms shall be labeled with an approved sign. The lettering shall be in contrasting color to the background. Letters shall have a minimum height of 2 inches.

<input checked="" type="checkbox"/> <input type="checkbox"/>	902.1.3	<b>Environment.</b> Automatic sprinkler system riser rooms and fire pump rooms shall be maintained at a temperature of no less than 40 degrees Fahrenheit. Heating units shall be permanently installed.
<input checked="" type="checkbox"/> <input type="checkbox"/>	902.1.4	<b>Lighting.</b> Permanently installed artificial illumination shall be provided in the automatic sprinkler system riser rooms and fire pump rooms.
<input checked="" type="checkbox"/> <input type="checkbox"/>	902.1.5.1	<b>Spaces under grandstands or bleachers.</b> Enclosed spaces under grandstands or bleachers shall be equipped with an automatic sprinkler system in accordance with Section 903.3.1.1 where one of the two criteria listed applies.
<input type="checkbox"/> <input checked="" type="checkbox"/>	903.2.3	<b>Group E.</b> Number 3 has been added to this section. 3. The Group E fire area has an occupant load of 300 or more.
<input checked="" type="checkbox"/> <input type="checkbox"/>	903.3.1.2.3	<b>Attics.</b> Attic protection shall be provided as follows: 1. Attics that are used or intended for living purposes or storage shall be protected by automatic sprinklers. 2. Where fuel-fired equipment is installed in an un-sprinklered attic, not fewer than one quick response intermediate temperature sprinkler shall be installed above the equipment. 3. In Type III, IV, and V when the roof is over 55 feet above the lowest level of required fire department vehicle access provide one of the criteria listed in 3.1 through 3.4 4. Group R-4, condition 2 occupancy attics not required by Item 1 to have sprinklers shall comply with one of the criteria listed in 4.1 through 4.5
<input checked="" type="checkbox"/> <input type="checkbox"/>	905.11	<b>Locking standpipe outlet caps.</b> The fire code official is authorized to require locking caps on the outlets on dry standpipes where the responding fire department carries key wrenches for the removal that are compatible with locking FDC connection caps.
<input type="checkbox"/> <input checked="" type="checkbox"/>	909.5.3.1	<b>Group I-2, I-2.1, R-2.1, and ambulatory care facilities.</b> The following has been added to this section. In Group I-2, where swinging doors are installed across a corridor, such doors shall be opposite swinging pairs.
<input checked="" type="checkbox"/> <input type="checkbox"/>	917.1	<b>College and university campuses.</b> Prior to construction of a new building requiring a fire alarm system on a multiple-building college or university campus having a cumulative building occupant load of 1,000 or more, a mass notification risk analysis shall be conducted in accordance with NFPA 72. Where the risk analysis determines a need for mass notification, an approved mass notification system shall be provided in accordance with the findings of the risk analysis.
<input checked="" type="checkbox"/> <input type="checkbox"/>	1004.3	<b>Multiple function occupant load.</b> Where an area under consideration contains multiple functions having different occupant load factors, the design occupant load for such areas shall be based on the floor area of each function calculated independently.
<input type="checkbox"/> <input checked="" type="checkbox"/>	Table 1004.1.2	<b>Maximum floor area allowances per occupant.</b> Business areas occupant load factor is now 150 gross, see section 1004.8.



<input checked="" type="checkbox"/> <input type="checkbox"/>	1004.6	<p><b>Concentrated business use areas.</b> The occupant load factor for concentrated business use shall be applied to telephone call centers, trading floors, electronic data processing centers and similar business use areas with a higher density of occupants than would normally be expected in a typical business occupancy environment. where approved by the code official, the occupant load for concentrated business use shall be the actual occupant load, but not less than one occupant per 50 square foot gross of occupiable floor space.</p>
<input type="checkbox"/> <input checked="" type="checkbox"/>	1006.2.1	<p><b>Egress based on occupant load and common path of egress travel distance.</b> The following exceptions have been added.</p> <ol style="list-style-type: none"> <li>1. The number of exits from foyers, lobbies, vestibules or similar spaces need not be based on cumulative occupant loads for areas discharging through such spaces, but the capacity of the exits from such spaces shall be based on applicable cumulative occupant loads.</li> <li>2. Room and care suites in Group I-2 and I-2.1 occupancies complying with Section 407.4</li> </ol>
<input type="checkbox"/> <input checked="" type="checkbox"/>	1006.3	<p><b>Egress from stories or occupied roofs.</b> The following has been added to this section for clarification. Where stairways serve more than one story, only the occupant load of each story considered individually shall be used in calculating the required number of exits or access to exits serving that story.</p>
<input checked="" type="checkbox"/> <input type="checkbox"/>	1106.3.1	<p><b>1006.3.1 Adjacent story.</b> The path of egress travel to an exit shall not pass through more than one adjacent story. <b>Exception:</b> The path of egress travel to an exit shall be permitted to pass through more than one adjacent story in any of the following:</p> <ol style="list-style-type: none"> <li>1. <i>In Group R-1, R-2 or R-3... exit access stairways ..connecting four stories or less serving and contained within an individual dwelling unit or sleeping unit or live/work unit.</i></li> <li>2. <i>Exit access stairways serving and contained within Group R-3 Group R-4 facility.</i></li> <li>3. <i>Exit access stairways ...open parking garages that serve only the parking garage.</i></li> <li>4. <i>Exit access stairways and ramps serving open-air assembly seating complying with the exit access travel distance requirements of Section 1029.7.</i></li> <li>5. <i>Exit access stairways and ramps between the balcony, gallery</i></li> </ol>
<input type="checkbox"/> <input checked="" type="checkbox"/>	1008.2.3	<p><b>Exit discharge.</b> Illumination shall be provided along the path of travel for the exit discharge from each exit to the public way. The following exception has been added. <b>Exception:</b> Illumination shall not be required where the path of the exit discharge meets both of the following requirements.</p> <ol style="list-style-type: none"> <li>1. The path of exit discharge is illuminated from the exit to a safe dispersal area complying with section 1028.5</li> <li>2. A dispersal area shall be illuminated to a level not less than 1 foot-candle (11 lux) at the walking surface.</li> </ol>
<input type="checkbox"/> <input checked="" type="checkbox"/>	1009.3 1009.3.1 1009.3.2 1009.3.3	<p><b>Stairways.</b> The following sections have been broken up into their own code for clarification. <b>Exit access stairways Stairway width. Area of refuge.</b></p>

<input checked="" type="checkbox"/> <input type="checkbox"/>	1010.1.4.4	<p><b>Locking arrangements in educational occupancies.</b>     <i>In Group E &amp; B educational occupancies, doors shall be lockable from within to keep intruders out. All the following conditions shall apply:</i></p> <ol style="list-style-type: none"> <li>1. <i>The door shall be unlockable and operable from within.</i></li> <li>2. <i>The door shall be operable from outside by the use of a key or other approved means.</i></li> <li>3. <i>Modification shall not affect panic hardware, door fire rating, etc.</i></li> </ol>
<input type="checkbox"/> <input checked="" type="checkbox"/>	1010.1.9.8	<p><b>Delayed egress.</b> The following exception has been changed for clarification.</p> <p><b>Exception:</b> Delayed egress locking systems shall be permitted to be installed on exit or exit access doors, other than the main exit or exit access door, serving a Group A courtroom in buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 and approved automatic smoke or heat detection system installed in accordance with Section 907.</p>
<input checked="" type="checkbox"/> <input type="checkbox"/>	1010.1.9.10	<p><b>Door hardware release of electrically locked egress doors.</b> Door hardware release of electric locking systems shall be permitted on doors in the means of egress in any occupancy except Group H where installed and operated in accordance with items 1-6 listed in this section.</p>
<input checked="" type="checkbox"/> <input type="checkbox"/>	1010.3.2	<p><b>Security access turnstiles.</b> Security access turnstiles that inhibit travel in the direction of egress utilizing a physical barrier shall be permitted to be considered as a component of the means of egress, provided that all of the criteria listed in this section are met.</p>
<input type="checkbox"/> <input checked="" type="checkbox"/>	1023.3.1	<p><b>Extension.</b> The following exception has been added</p> <ol style="list-style-type: none"> <li>3. Separation between an interior exit stairway and the exit passageway extension shall not be required when the interior exit stair and the exit passageway extension are pressurized in accordance with Section 909.20.5.</li> </ol>
<input type="checkbox"/> <input checked="" type="checkbox"/>	1027.6	<p><b>Exterior exit stairway and ramp protection.</b> The following exception has been added.</p> <ol style="list-style-type: none"> <li>4. In Group R-3 occupancies not more than four stories in height, exterior exit stairways and ramps serving individual dwelling units are not required to be separated from the interior of the building where the exterior exit stairway or ramp discharges directly to grade.</li> </ol>

<input type="checkbox"/> <input checked="" type="checkbox"/>	1030.1	<p><b>Emergency escape and rescue. General.</b>  This section has been updated and exceptions have been added.</p> <p><b>Exceptions:</b></p> <p>2. Group R-2.1 Occupancies, meeting the requirements for delayed egress in accordance with Section 1010.1.9.8 may have operable windows that are breakable in sleeping rooms permanently restricted to a maximum of 4-inch open position.</p> <p>6. Within R-2 and R-3, ...with NFPA 13, 13R, 13D, sleeping rooms in basements shall not be required to have emergency escape and rescue openings provided that the basement has one of the following:</p> <p>6.1. One means of egress and one emergency escape and rescue opening</p> <p>6.2. Two means of egress.</p> <p>6.3. In R-2.2 occupancies a certified fire escape is acceptable as a secondary means of egress for existing buildings for this section of the code.</p>
<input checked="" type="checkbox"/> <input type="checkbox"/>	11B-206.2.19	<p><b>Pedestrian street crossing.</b> Where walks or sidewalks are provided, a curb ramp, blended transition or a combination of curb ramps and blended transitions complying with Section 11B-406 shall connect the walks or sidewalks at each pedestrian street crossing. The curb ramp (excluding any flared sides) or blended transition shall be contained wholly within the width of the pedestrian street crossing served.</p> <p><b>Exception:</b> Compliance with section 11B-206.2.19 shall not be required where pedestrian crossing is prohibited by the appropriate administrative authority.</p>
<input checked="" type="checkbox"/> <input type="checkbox"/>	11B-608.5.1 & Figure 11B-608.5.1	<p><b>Transfer type shower compartments.</b> In transfer type shower compartments, the controls, faucets, and shower spray unit shall be installed on the side wall opposite the seat 38 inches minimum and 48 inches maximum above the shower floor and shall be located on the control wall 15 inches maximum from the center line of the seat toward the shower opening.</p> <p><b>Transfer type shower compartment control location.</b>  A figure has been added as well</p>
<input type="checkbox"/> <input checked="" type="checkbox"/>	11B-608.7	<p><b>Thresholds.</b> The following exception has been added to this section.</p> <p><b>Exception.</b> A threshold 2 inches high maximum shall be permitted in transfer type shower compartments in existing facilities where provisions of a ½ inch high threshold would disturb the structural reinforcement of the floor slab.</p>
<input checked="" type="checkbox"/> <input type="checkbox"/>	11B-813	<p><b>Adult changing facilities.</b> This entire section is new to Chapter 11B. This is to provide the technical provisions for adult changing facilities. 11B-813 through 11B813.2.11</p>
<input type="checkbox"/> <input checked="" type="checkbox"/>	1507.1.1	<p><b>Underlayment.</b> 4 exceptions have been added to this section.</p>
<input checked="" type="checkbox"/> <input type="checkbox"/>	Table 1507.1.1(1) (2) & (3)	<p><b>Underlayment Types, Underlayment Application, Underlayment Attachment.</b> All three tables have been added.</p>

<input checked="" type="checkbox"/> <input type="checkbox"/>	1507.18	<p><b>Building- integrated photovoltaic panels (BIPV)</b> This entire section has been added.</p> <p>1507.18.1 <i>Deck requirements: solid deck</i></p> <p>1507.18.2 <i>Deck slope: 2:12 or greater</i></p> <p>1507.18.3 <i>Underlayment</i></p> <p>1507.18.5 <i>Material standards: UL 1703</i></p> <p>1507.18.6 <i>Attachment: per manuf. installation</i></p>
<input type="checkbox"/> <input checked="" type="checkbox"/>	1604.3.7	<p><b>Framing supporting glass.</b> This section has been added to 1604.3. <i>Limits to the deflection of framing which supports glazing has been added to Section 1604.3.</i></p> <ul style="list-style-type: none"> <li>• <i>1/175 of the length of span of the framing member &lt; 13'-6"</i></li> <li>• <i>1/240 of the length of span + 1/4" of the framing member &gt; 13'-6"</i></li> </ul>
<input type="checkbox"/> <input checked="" type="checkbox"/>	Table 1607.1	<p><b>Minimum uniformly distributed live loads and minimum concentrated live loads.</b> The table has updated Balconies and Decks uniform LL to be 1.5 times LL for area served, not to exceed 100.</p>
<input checked="" type="checkbox"/> <input type="checkbox"/>	1607.15.2	<p><b>Fire walls.</b> In order to meet the structural stability requirements of Section 706.2 where the structure on either side of the wall has collapsed, firewalls and their support shall be designed to withstand a minimum horizontal allowable stress load of 5 psf.</p>
<input type="checkbox"/> <input checked="" type="checkbox"/>	1704.6.1	<p><b>Structural observations for structures.</b> Structural observations shall be provided for those structures where one or more of the following conditions exist.</p> <ol style="list-style-type: none"> <li>1. The structure is classified as Risk Category IV.</li> <li>2. The structure is a high-rise building.</li> <li>3. Such observation is required by the registered design professional responsible for the structural design.</li> <li>4. Such observation is specifically required by the building official.</li> </ol>
<input type="checkbox"/> <input checked="" type="checkbox"/>	1705.5.2	<p><b>Metal-plate connected wood trusses.</b> The following language has been added to this section.</p> <p>Five-foot or taller wood trusses requiring permanent bracing now require a periodic special inspection to verify that the required bracing has been installed.</p>
<input checked="" type="checkbox"/> <input type="checkbox"/>	1811	<p><b>Prestressed Rock and Soil Foundation Anchors [OSHPD 1R, 2, &amp; 5]</b> This entire section has been added.</p>
<input checked="" type="checkbox"/> <input type="checkbox"/>	1812	<p><b>Earth Retaining Shoring [OSHPD 1R, 2, &amp; 5]</b> This entire section has been added.</p>
<input checked="" type="checkbox"/> <input type="checkbox"/>	1813	<p><b>Vibro Stone Columns for Ground Improvement. [OSHPD 1R, 2, &amp; 5]</b> This entire section has been added.</p>
<input checked="" type="checkbox"/> <input type="checkbox"/>	2104.2	<p><b>Grouted masonry [OSHPD 1R, 2 &amp; 5]</b> This entire section has been added. It provides general conditions, and guidelines.</p>
<input checked="" type="checkbox"/> <input type="checkbox"/>	2104.3	<p><b>Aluminum equipment [OSHPD 1 R, 2 &amp; 5]</b> Grout shall not be handled nor pumped utilizing aluminum equipment unless it can be demonstrated with the materials and equipment to be used that there will be no delirious effect on the strength of the grout.</p>

<input type="checkbox"/> <input checked="" type="checkbox"/>	2105	<p><b>Quality Assurance.</b> Many sub sections have been added under this section.</p> <p><b>2105.2 Compressive strength, <math>f'_m</math>.</b> [OSHPD 1R, 2 &amp; 5]  <b>2105.3 Mortar and grout tests.</b> [OSHPD 1R, 2 &amp; 5]  <b>2105.4 Masonry core testing.</b> [OSHPD 1R, 2 &amp; 5]  <b>2105.5 Masonry prism method testing.</b> [OSHPD 1R, 2 &amp; 5]  <b>2105.6 Unit strength method testing.</b> [OSHPD 1R, 2 &amp; 5]</p>
<input type="checkbox"/> <input checked="" type="checkbox"/>	2211.1.1.2	<p><b>Seismic Design Categories D through F.</b> In cold formed steel light frame construction assigned to Seismic Design Category D, E, or F, the seismic force-resisting system shall be designed and detailed in accordance with AISI S400.</p>
<input type="checkbox"/> <input checked="" type="checkbox"/>	Table 2304.11	<p><b>Minimum Dimensions of Heavy Timber Structural Members.</b> This table has been updated.</p>
<input type="checkbox"/> <input checked="" type="checkbox"/>	2603.7	<p><b>Foam plastic insulation in plenums as interior finish or interior trim.</b> Where exposed to the airflow in plenums, foam plastic insulation in plenums used as interior wall or ceiling finish, or interior trim, shall exhibit a flame spread index of 25 (down from 75) or less, and a smoke-developed index of 50 or less (down from 450).</p>
<input checked="" type="checkbox"/> <input type="checkbox"/>	2701.1.2	<p><b>Fuel-line piping protection.</b> Fuel lines supplying a generator set inside a building shall be separated from areas of the building</p> <ul style="list-style-type: none"> <li>- <i>By an assembly that has a fire-resistance rating of not less than 2 hours.</i></li> <li>- <i>By an assembly that has a fire-resistance rating of not less than 1 hours, if protected by NFPA 13.</i></li> </ul>