# 45-DAY EXPRESS TERMS FOR PROPOSED BUILDING STANDARDS OF THE CALIFORNIA BUILDING STANDARDS COMMISSION REGARDING THE **2022** CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11

# (BSC 03/21)

The state agency shall draft the regulations in plain, straightforward language, avoiding technical terms as much as possible and using a coherent and easily readable style. The agency shall draft the regulation in plain English. A notation shall follow the express terms of each regulation listing the specific statutes authorizing the adoption and listing specific statutes being implemented, interpreted, or made specific (Government Code Section 11346.2(a)(1)).

If using assistive technology, please adjust your settings to recognize underline, strikeout and ellipsis.

## LEGEND for EXPRESS TERMS (California only codes - Parts 1, 6, 8, 11, 12)

* Existing California amendments appear upright
* Amended or new California amendments appears underlined
* Repealed California language appears ~~upright and in strikeout~~
* Ellipsis ( ...) indicate existing text remains unchanged

# 45-DAY EXPRESS TERMS

The California Building Standards Commission (BSC) proposes to amend the 2019 California Green Building Standards Code for inclusion in the 2022 California Green Building Standards Code, effective January 1, 2023. BSC further proposes to:

**PROPOSED REPEALS, ADOPTIONS AND NEW AMENDMENTS**

# ITEM 1

**Chapter 2, DEFINITIONS, Section 202 DEFINITIONS**

**AUTOMATIC LOAD MANAGEMENT SYSTEM (ALMS).** A system designed to manage load across one or more electric vehicle supply equipment (EVSE) to share electrical capacity and/or automatically manage power at each connection point.

**Notation:**

Authority: Health & Safety Code Sections 18930.5 and 18941.10.

Reference(s): Health & Safety Code Sections 18930.5 and 18941.10.

# ITEM 2

**ELECTRIC VEHICLE (EV) CAPABLE SPACE**. A vehicle space with electrical panel space and load capacity to support a branch circuit and necessary raceways, both underground and/or surface mounted, to support EV charging.

**Notation:**

Authority: Health & Safety Code Sections 18930.5 and 18941.10.

Reference(s): Health & Safety Code Sections 18930.5 and 18941.10.

# ITEM 3

**~~LOW~~ ZERO-EMITTING AND ~~FUEL~~ HIGH EFFICIENT VEHICLES**.

Eligible vehicles are limited to the following:

1. Zero emission vehicle (ZEV), enhanced advanced technology PZEV (enhanced AT ZEV) or transitional zero emission vehicles (TZEV) regulated under CCR, Title 13, Section 1962~~. including neighborhood electric vehicles (NEV), partial zero emission vehicle (PZEV), advanced technology PZEV (AT ZEV) or CNG fueled (original equipment manufacturer only) regulated under~~ *~~Health and Safety Code~~* ~~Section 43800 and CCR, Title 13, Sections 1961 and 1962.~~
2. High-efficiency vehicles, regulated by U.S. EPA, bearing a fuel economy and greenhouse gas rating of 9 or 10 as regulated under 40 CFR Section 600 Subpart D. ~~High-occupancy Vehicle (HOV) carpool lane stickers issued by the Department of Motor Vehicles.~~

**Notation:**

Authority: Health & Safety Code Sections 18930.5 and 18941.10.

Reference – Health & Safety Code Sections 18930.5 and 18941.10

# ITEM 4

**~~URINAL, HYBRID~~ NONWATER URINAL WITH DRAIN CLEANSING ACTION**. A nonwater urinal that conveys waste into the drainage system without the use of water for flushing and automatically performs a drain-cleansing action after a predetermined amount of time.

**Notation:**

Authority: Health & Safety Code Section 18930.5.

Reference(s): Health & Safety Code Section 18930.5.

# ITEM 5

**OFF-STREET LOADING SPACES**. An area, other than a public street, public way, or other property (and exclusive of off-street parking spaces), permanently reserved or set aside for the loading or unloading of motor vehicles, including ways of ingress and egress and maneuvering areas. Whenever the term "loading space" is used, it shall, unless the context clearly requires otherwise, be construed as meaning off-street loading space. This excludes designated passenger loading/unloading.

**Notation:**

Authority: Health & Safety Code Sections 18930.5 and 18941.10.

Reference(s): Health & Safety Code Sections 18930.5 and 18941.10.

ITEM 6 (This item will remain in the code)

**VANPOOL VEHICLE**. Eligible vehicles are…ridesharing.

Note: Source: Vehicle Code, Division 1, Section 668.

**Notation:**

Authority: Health & Safety Code Sections 18930.5 and 18941.10.

Reference – Health & Safety Code Sections 18930.5 and 18941.10

# ITEM 7

**DESIGNATED PARKING**

**SECTION 5.106, SITE DEVELOPMENT**

**. . .**

**~~5.106.5.2 Designated parking for clean air vehicles.~~** ~~In new projects~~ **~~. . .~~**~~as follows.~~

**~~TABLE 5.106.5.2~~**

| **~~TOTAL NUMBER OF PARKING SPACES~~** | **~~NUMBER OF~~**  **~~REQUIRED SPACES~~** |
| --- | --- |
| ~~0-9~~ | ~~0~~ |
| ~~10-25~~ | ~~3~~ |
| ~~26-50~~ | ~~6~~ |
| ~~51-75~~ | ~~9~~ |
| ~~76-100~~ | ~~12~~ |
| ~~101-150~~ | ~~18~~ |
| ~~151-200~~ | ~~21~~ |
| ~~201 and over~~ | ~~At least 12 percent~~~~of total~~~~1~~ |

~~1. Calculation for spaces shall be rounded up to the nearest whole number.~~

~~Note: Designated parking for clean air vehicles shall count toward the total parking spaces required by the local enforcing agencies.~~

**~~5.106.5.2.1 Parking stall marking.~~** ~~Paint, in the paint used for stall striping, the following characters such that the lower edge of the last word aligns with the end of the stall striping and is visible beneath a parked vehicle:~~

**~~CLEAN AIR/~~**

**~~VANPOOL/EV~~**

**~~Note:~~** ~~Vehicles bearing Clean Air Vehicle stickers from expired HOV lane programs may be considered eligible for designated parking spaces.~~

**…**

**Notation:**

Authority: Health & Safety Code Sections 18930.5 and 18941.10.

Reference(s): Health & Safety Code Sections 18930.5 and 18941.10.

# ITEM 8

**ELECTRIC VEHICLE INFRASTRUCTURE**

**SECTION 5.106, SITE DEVELOPMENT**

**. . .**

**5.106.5.3 Electric vehicle (EV) charging. [N]** Construction to provide electric vehicle infrustructure and facilitate electric vehicle charging shall comply with Section 5.106.5.3 and shall be provided in accordance with regulations in the *California Building Code* andthe *California Electrical Code*. ~~or Section 5.106.5.3.2 to facilitate future installation of~~ ~~electric vehicle supply equipment (EVSE):~~ ~~When EVSE(s) is/are installed, it shall be~~ ~~in accordance with the~~ *~~California Building Code,~~* ~~the~~ *~~California Electrical Code~~* ~~and as follows:~~

**Exceptions:** *(Relocated from 2019 CALGreen Section 5.106.5.3.3 and edited)*

1**.** On a case-by-case basis where the local enforcing agency has determined ~~EV charging and infrastructure~~ compliance with this section is not feasible based upon one ~~or more~~ of the following conditions:

~~1~~a. Where there is ~~insufficient electrical supply~~.no local utility power supply.

b. Where the local utility is unable to supply adequate power.

~~2~~c. Where there is evidence suitable to the local ~~enforcing~~ enforcement agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.

2. Parking spaces accessible only by automated mechanical car parking systems are not required to comply with this code section.

**~~5.106.5.3.1 Single charging space requirements. [~~**~~N] When only a single charging space is required per Table 5.106.5.3.3, a raceway is required to be installed at the time of construction and shall be installed in accordance with the California Electrical Code. Construction plans and specifications shall include, but are not limited to, the following:~~

1. ~~The type and location of the EVSE.~~
2. ~~A listed raceway capable of accommodating a 208/240-volt dedicated branch circuit.~~
3. ~~The raceway shall not be less than trade size 1.”~~
4. ~~The raceway shall originate at a service panel or a subpanel serving the area, and shall terminate in close proximity to the proposed location of the charging equipment and into a listed suitable cabinet, box, enclosure or equivalent.~~
5. ~~The service panel or subpanel shall have sufficient capacity to accommodate a minimum of 40- ampere dedicated branch circuit for the future installation of the EVSE.~~

**5.106.5.3.~~2~~ 1 ~~Multiple~~ ~~charging space requirements~~ EV capable spaces.**

**[N]** EV capable spaces shall be provided in accordance with Table 5.106.5.3.1 and the following requirements: ~~[N] When multiple charging spaces are required per Table 5.106.5.3.3 raceway(s) is/~~ ~~are required to be installed at the time of construction and shall be installed in accordance with the~~ *~~California Electrical Code~~*~~. Construction plans and specifications shall include, but are not limited to, the following:~~

~~1.The type and location of the EVSE.~~

~~2~~ 1. ~~The~~ ~~r~~ Raceways ~~(s)~~ complying with the *California Electrical Code* and no less than 1” diameter shall be provided and shall originate at a service panel or a subpanel(s) serving the area, and shall terminate in close proximity to the proposed location of the EV capable space ~~the charging equipment~~ and into a ~~listed~~ suitable listed cabinet ~~(s)~~, box~~(es)~~, enclosure~~(s)~~ or equivalent. A common raceway may be used to serve multiple EV capable spaces.

~~3~~ 2. A service panel or subpanel(s) shall be provided with panel space and electrical load capacity for a dedicated ~~Plan design shall be based upon~~ 208/240 volt~~s~~, 40-ampere minimum branch circuit~~s~~ for each EV capable space, with delivery of 30-ampere minimum to an installed EVSE at each EVCS.

~~4~~ 3 ~~Electrical calculations shall substantiate the design of the electrical system, to include the rating of~~ The electrical system ~~equipment~~ and any on-site distribution transformers ~~and~~ shall have sufficient capacity to ~~simultaneously charge~~ supply ~~all required~~ ~~EVs~~ full rated amperage at each EV capable space. ~~its full rated amperage.~~

~~5~~ ~~The service panel or subpanel(s) shall have sufficient capacity to accommodate the required number of dedicated branch circuit(s) for the future installation of the EVSE.~~

4*.(Formerly 5.106.5.3.4 [N] Identification)* The service panel or subpanel~~(s)~~ circuit directory shall identify the reserved overcurrent protective device space(s) ~~for future EV charging~~ as “EV CAPABLE”. The raceway termination location shall be permanently and visibly marked as “EV CAPABLE”.

Note: *(Relocated from Section 5.106.5.3.5 and edited)*A parking ~~EV capable~~ space~~s~~  served by electric vehicle supply equipment or designed as a future EV charging space ~~and spaces with (EVSE) installed~~ shall count ~~toward the total parking spaces required by the local enforcing agencies.~~ as at least one standard automobile parking space only for the purpose of complying with any applicable minimum parking space requirements established by an enforcement agency. See Vehicle Code Section 22511.2 for further details.

**5.106.5.3.2 Electric vehicle charging stations (EVCS).** EV capable spaces shall be provided with EVSE to create EVCS in the number indicated in Table 5.106.5.3.1. The EVCS required by Table 5.106.5.3.1 may be provided with EVSE in any combination of Level 2 and Direct Current Fast Charging (DCFC), except that at least one Level 2 EVSE shall be provided.

One EV charger with multiple connectors capable of charging multiple EVs simultaneously shall be permitted if the electrical load capacity required by Section 5.106.5.3.1 for each EV capable space is accumulatively supplied to the EV charger.

The installation of each DCFC EVSE shall be permitted to reduce the minimum number of required EV capable spaces without EVSE by five and reduce proportionally the required electrical load capacity to the service panel or subpanel.

**5.106.5.3.3 Use of automatic load management systems (ALMS).** ALMS shall bepermitted for EVCS. When ALMS is installed, the required electrical load capacity specified in Section 5.106.5.3.1 for each EVCS may be reduced when serviced by an EVSE controlled by an ALMS. Each EVSE controlled by an ALMS shall deliver a minimum 30 amperes to an EV when charging one vehicle and shall deliver a minimum 3.3 kW while simultaneously charging multiple EVs.

**5.106.5.3.4 Accessible EVCS**. When EVSE is installed, accessible EVCS shall be provided in accordance with the *California Building Code Chapter 11B Section 11B-228.3.*

**Note:** For EVCS signs,refer to Caltrans Traffic Operations Policy Directive 13-01 (Zero Emission Vehicle Signs and Pavement Markings) or its successor(s).

**5.106.5.3.3. ~~Charging space calculation~~**~~. [N] Table 5.106.5.3.3 shall be used to determine if single or multiple charging space requirements apply for the future~~

~~installation of EVSE.~~

**Exceptions:** *(Relocated to Section 5.106.5.3 Exceptions)* On a case-by-case … conditions:

1. Where… supply.
2. Where… project.

**TABLE 5.106.5.3.~~3~~ 1**

| **TOTAL NUMBER OF**  **ACTUAL PARKING SPACES** | **NUMBER OF REQUIRED EV CAPABLE ~~CHARGING~~ SPACES** | **NUMBER OF**  **EVCS**  **(EV CAPABLE SPACES PROVIDED WITH EVSE)** 2 |
| --- | --- | --- |
| 0-9 | 0 | 0 |
| 10-25 | ~~2~~ 4 | 0 |
| 26-50 | ~~4~~  8 | 2 |
| 51-75 | ~~7~~ 13 | 3 |
| 76-100 | ~~9~~  17 | 4 |
| 101-150 | ~~13~~ 25 | 6 |
| 151-200 | ~~18~~ 35 | 9 |
| 201 and over | ~~10~~ 20 percent of total1 | 25 percent of EV capable spaces 1 |

1. Calculation for spaces shall be rounded up to the nearest whole number.

2. The number of required EVCS (EV capable spaces provided with EVSE) in column 3 count toward the total number of required EV capable spaces shown in column 2.

**5.106.5.3.4 ~~[N] Identification.~~** (Relocated language to Section 5.106.5.3, line item 4) The service panel…“EV CAPABLE.”

**~~5.106.5.3.5 [N] Future charging spaces.~~**

~~Future charging spaces qualify as~~ **~~. . .~~** ~~clean air vehicles.~~

Note: (*Relocated to Section 5.106.5.3.1*) Future electric…agencies.

**…**

**Notation:**

Authority: Health & Safety Code Sections 18930.5 and 18941.10.

References): Health & Safety Code Sections 18930.5 and 18941.10.

# ITEM 9

**5.106.5.4 Electric vehicle (EV) charging:** medium-duty and heavy-duty. [N]

Construction shall comply with Section 5.106.5.4.1 to facilitate future installation of electric vehicle supply equipment (EVSE). Construction for warehouses, grocery stores and retail stores with planned off-street loading spaces shall also comply with Section 5.106.5.4.1 for future installation of medium- and heavy-duty EVSE.

**Exceptions:**

1**.** On a case-by-case basis where the local enforcing agency has determined compliance with this section is not feasible based upon one of the following conditions:

a. Where there is no local utility power supply.

b. Where the local utility is unable to supply adequate power.

c. Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.

When EVSE(s) is/are installed, it shall be in accordance with the *California Building Code,* the *California Electrical Code* and as follows:

**5.106.5.4.1 Electric vehicle charging readiness requirements for warehouses, grocery stores and retail stores with planned off-street loading spaces [N]**

In order to avoid future demolition when adding EV supply and distribution equipment, spare raceway(s) or busway(s) and adequate capacity for transformer(s), service panel(s) or subpanel(s) shall be installed at the time of construction in accordance with the *California Electrical Code*. Construction plans and specifications shall include, but are not limited to, the following:

1. The transformer, main service equipment and subpanels shall meet the minimum power requirement in Table 5.106.5.4.1.1 to accommodate the dedicated branch circuits for the future installation of EVSE.
2. The construction documents shall indicate one or more location(s) convenient to the planned off-street loading space(s) reserved for medium- and heavy-duty ZEV charging cabinets and charging dispensers, and a pathway reserved for routing of conduit from the termination of the raceway(s) or busway(s) to the charging cabinet(s) and dispenser(s), as shown in Table 5.106.5.4.1.1.
3. Raceway(s) or busway(s) originating at a main service panel or a subpanel(s) serving the area where potential future medium- and heavy-duty EVSE will be located, and shall terminate in close proximity to the potential future location of the charging equipment for medium- and heavy-duty vehicles.
4. The raceway(s) or busway(s) shall be of sufficient size to carry the minimum additional system load to the future location of the charging for medium- and heavy-duty ZEVs as shown in Table 5.106.5.4.1.1.

**TABLE 5.106.5.4.1.1, Raceway Conduit and Panel power Requirements for Medium-and-Heavy-Duty EVSE [N]**

| Building type | Building Size  (sq. ft.) | Number of Off-street loading spaces | Additional capacity Required (kVa) for Raceway & Busway and Transformer & Panel |
| --- | --- | --- | --- |
| Grocery | 10,000 to 90,000 | 1 or 2 | 200 |
| Grocery | Greater than 90,000 | 3 or Greater | 400 |
| Grocery | Greater than 90,000 | 1 or Greater | 400 |
| Retail | 10,000 to 135,000 | 1 or 2 | 200 |
| Retail | 10,000 to 135,000 | 3 or Greater | 400 |
| Retail | Greater than 135,000 | 1 or Greater | 400 |
| Warehouse | 20,000 to 256,000 | 1 or 2 | 200 |
| Warehouse | 20,000 to 256,000 | 3 or Greater | 400 |
| Warehouse | Greater than 256,000 | 1 or Greater | 400 |

**Notation:**

Authority: Health & Safety Code Sections 18930.5 and 18941.10.

Reference(s): Health & Safety Code Sections 18930.5 and 18941.10.

# ITEM 10

**SECTION 5.504, POLLUTANT CONTROL**

**. . .**

**5.504.4.7 Thermal insulation.** (*Relocated from Section A5.504.4.8*) Comply with the requirements of the California Department of Public Health, “Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers,” Version 1.2, January 2017 (Emission testing method for California Specification 01350).

See [California Department of Public Health’s website](https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material) for certification programs and testing labs.

https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

**5.504.4.7.1 Verification of compliance.** Documentation shall be provided verifying that thermal insulation materials meet the pollutant emission limits.

**Notation:**

Authority: Health & Safety Code Section 18930.5.

Reference(s): Health & Safety Code Section 18930.5.

# ITEM 11

**5.504.4.8** **Acoustical ceilings and wall panels.** (*Relocated from Section A5.504.9*) Comply with the requirements of the California Department of Public Health, “Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers,” Version 1.2, January 2017 (Emission testing method for California Specification 01350).

See [California Department of Public Health’s website](https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material) for certification programs and testing labs.

https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

**5.504.4.8.1 Verification of compliance.** (*Relocated from Section A5.504.9.1*) Documentation shall be provided verifying that acoustical finish materials meet the pollutant emission limits.

**…**

**Notation:**

Authority: Health & Safety Code Sections 18930.5.

Reference(s): Health & Safety Code Section 18930.5.

# ITEM 12

**SECTION A5.102.1, Definitions.**

**. . .**

**~~LOW~~ ZERO-EMITTING AND ~~FUEL~~ HIGH EFFICIENT VEHICLES**

**…**

**~~ZEV~~**

**Notation:**

Authority: Health & Safety Code Sections 18930.5 and 18941.10.

Reference – Health & Safety Code Sections 18930.5 and 18941.10

# ITEM 13

**SECTION A5.106, SITE DEVELOPMENT**

**. . .**

**A5.106.5.1 Designated parking for clean air vehicles**. In new projects or additions or alterations that add 10 or more vehicular parking spaces, provide designated parking for any combination of ~~low~~ zero- emitting, fuel-efficient and carpool/van pool vehicles as ~~shown~~ listed in ~~Table~~ code Sections A5.106.5.1.1 or A5.106.5.1.2.

**A5.106.5.1.1 Tier 1.** Provide ~~17~~ 35 percent ~~of total~~ designated parking spaces~~, 201 and over~~ of the total number of parking spaces, for any combination of l~~ow~~-Zero-emitting, fuel-efficient and carpool/van pool vehicles. ~~as follows:~~ Calculation for spaces shall be rounded up to the nearest whole number.

**~~TABLE A5.106.5.1.1~~**

| **~~TOTAL NUMBER OF PARKING SPACES~~** | **~~NUMBER OF~~**  **~~REQUIRED SPACES~~** |
| --- | --- |
| ~~0-9~~ | ~~1~~ |
| ~~10-25~~ | ~~3~~ |
| ~~26-50~~ | ~~7~~ |
| ~~51-75~~ | ~~11~~ |
| ~~76-100~~ | ~~15~~ |
| ~~101-150~~ | ~~26~~ |
| ~~151-200~~ | ~~30~~ |
| ~~201 and over~~ | ~~At least 17 percent~~~~of total~~~~1~~ |

~~1. Calculation for spaces shall be rounded up to the nearest whole number.~~

Note: Designated parking for clean air vehicles shall count toward the total parking spaces required by the local enforcing agencies.

**A5.106.5.1.2 Tier 2.** Provide ~~22~~ 50 percent ~~of total~~ designated parking spaces~~, 201 and over~~ of the total number of parking spaces, for any combination of ~~low~~ zero-emitting, fuel-efficient and carpool/van pool vehicles. ~~as follows~~: Calculation for spaces shall be rounded up to the nearest whole number.

**~~TABLE A5.106.5.1.2~~**

| **~~TOTAL NUMBER OF PARKING SPACES~~** | **~~NUMBER OF~~**  **~~REQUIRED SPACES~~** |
| --- | --- |
| ~~0-9~~ | ~~2~~ |
| ~~10-25~~ | ~~4~~ |
| ~~26-50~~ | ~~9~~ |
| ~~51-75~~ | ~~14~~ |
| ~~76-100~~ | ~~18~~ |
| ~~101-150~~ | ~~26~~ |
| ~~151-200~~ | ~~36~~ |
| ~~201 and over~~ | ~~At least 22 percent~~~~of total~~~~1~~ |

~~1~~. ~~Calculation for spaces shall be rounded up to the nearest whole number.~~

Note: Designated parking for clean air vehicles shall count toward the total parking spaces required by the local enforcing agencies.

**A5.106.5.1.3 Parking stall marking.** Paint, **…**parked vehicle:

CLEAN AIR/

VANPOOL/EV

**Note:** Vehicles…parking spaces.

**A5.106.5.1.4 Vehicle designations.** Building**…**parking stickers.

**Notes:**

* 1. Information on qualifying vehicles, car labeling regulations and DMV CAV decals may be obtained from the following sources:
     1. California DriveClean.
     2. California Air Resources Board.
     3. U.S. EPA fuel economy regulations and standards.
     4. DMV Registration Operations.
  2. Purchasing policy and refueling sites for ~~low~~ zero-emitting vehicles for state employees use can be found at the Department of General Services.

**…**

**Notation:**

Authority: Health & Safety Code Sections 18930.5 and 18941.10.

Reference – Health & Safety Code Sections 18930.5 and 18941.10

# ITEM 14

**A5.106.5.3 ~~[N]~~ Electric vehicle (EV) charging. [N]** Construction shall comply with Section A5.106.5.3.1 ~~and~~ or A5.106.5.3.2, and in accordance with regulations in the *California Building Code* andthe *California Electrical Code*. ~~to facilitate future installation of electric vehicle supply equipment (EVSE). When EVSE(s) is/are installed, it shall be in accordance with the~~ *~~California Building Code~~* ~~and the~~ *~~California Electrical Code~~* ~~and as follows:~~

**A5.106.5.3.1 Tier 1.** Table A5.106.5.3.1 shall be used to determine the number of ~~multiple~~ EV capable spaces required. ~~for future installation of EVSE.~~ Refer to Section 5.106.5.3~~.1~~ for design requirements.

When EV capable spaces are provided with EVSE to create EVCS per Table A5.106.5.3.1, refer to Section 5.106.5.3.2 for the allowed use of Level 2 or Direct Current Fast Charger (DCFC) and Section 5.106.5.3.3 for the allowed use of Automatic Load Management System (ALMS).

**TABLE A5.106.5.3.1**

| **TOTAL NUMBER OF ACTUAL PARKING SPACES** | **TIER 1**  **NUMBER OF REQUIRED EV CAPABLE ~~CHARGING~~ SPACES** | **TIER 1**  **NUMBER OF**  **EVCS**  **(EV CAPABLE SPACES PROVIDED WITH EVSE)** 2 |
| --- | --- | --- |
| 0-9 | ~~1~~ 2 | 0 |
| 10-25 | ~~3~~ 5 | 2 |
| 26-50 | ~~6~~ 11 | ~~4~~ |
| 51-75 | ~~10~~ 19 | 6 |
| 76-100 | ~~14~~ 26 | 9 |
| 101-150 | ~~23~~ 38 | 13 |
| 151-200 | ~~27~~ 53 | 18 |
| 201 and over | ~~15~~ 30 percent of total parking spaces1 | 33 percent of EV capable spaces 1 |

1. Calculation for spaces shall be rounded up to the nearest whole number.

2. The number of required EVCS (EV capable spaces provided with EVSE) in column 3 count toward the total number of required EV capable spaces shown in column 2.

**A5.106.5.3.2 Tier 2.** Table A5.106.5.3.2 shall be used to determine ~~if single or multiple charging space requirements apply for future installation of EVSE. When a single charging space is required,~~ the number of EV capable spaces required. ~~r~~ Refer to Section 5.106.5.3~~.1~~ for design requirements. ~~When multiple charging spaces are required, refer to Section 5.106.5.3.2 for design requirements.~~

When EV capable spaces are provided with EVSE to create EVCS per Table A5.106.5.3.1, refer to Section 5.106.5.3.2 for the allowed use of Level 2 or Direct Current Fast Charger (DCFC) and Section 5.106.5.3.3 for the allowed use of Automatic Load Management System (ALMS).

**~~A5.106.5.3.3 [N] Identification.~~** ~~The service panel or subpanel(s) circuit directory shall identify the reserved overcurrent protective device space(s) for future EV charging as “EV CAPABLE”. The raceway termination location shall be permanently and visibly marked as “EV CAPABLE.”~~

**TABLE A5.106.5.3.2**

| **TOTAL NUMBER OF ACTUAL PARKING SPACES** | **TIER 2**  **NUMBER OF REQUIRED EV CAPABLE**  **~~CHARGING~~ SPACES** | **TIER 2**  **NUMBER OF**  **EVCS**  **(EV CAPABLE SPACES PROVIDED WITH EVSE)** 2 |
| --- | --- | --- |
| 0-9 | ~~2~~ 3 | 0 |
| 10-25 | ~~4~~ 8 | 3 |
| 26-50 | ~~8~~ 17 | 6 |
| 51-75 | ~~13~~ 28 | 9 |
| 76-100 | ~~18~~ 40 | 13 |
| 101-150 | ~~26~~ 57 | 19 |
| 151-200 | ~~36~~ 79 | 26 |
| 201 and over | ~~20~~ 45 percent of total parking spaces1 | 33 percent of EV capable spaces 1 |

1.Calculation for spaces shall be rounded up to the nearest whole number.

2. The number of required EVCS (EV capable spaces provided with EVSE) in column 3 count toward the total number of required EV capable spaces shown in column 2.

**~~A5.106.5.3.4 [N] Future charging spaces.~~** ~~Future charging spaces qualify as~~ **~~. . .~~** ~~clean air vehicles.~~

**~~Note:~~** ~~Future electric vehicle charging spaces shall count toward the total parking spaces required by the local enforcing agencies.~~

**Notation:**

Authority: Health & Safety Code Sections 18930.5 and 18941.10.

Reference – Health & Safety Code Sections 18930.5 and 18941.10

# ITEM 15

**A5.303.4 Water conserving plumbing fixtures and fittings.**

**A5.303.4.1 Nonwater ~~supplied~~ urinals.** Nonwater ~~supplied~~ urinals with drain cleansing action are installed in accordance with the *California Plumbing Code*.

Where approved, ~~urinal, hybrids~~ nonwater urinals with drain cleansing action (formerly urinal, hybrids) as defined in Chapter 2, shall be considered waterless urinals.

…

**Notation:**

Authority: Health & Safety Code Section 18930.5.

Reference – Health & Safety Code Section 18930.5.

# ITEM 16

**SECTION A5.504, POLLUTANT CONTROL**

**. . .**

**A5.504.4.7** **Resilient flooring systems, Tier 1.** …

**A5.504.4.7.1 Resilient flooring systems, Tier 2.** When resilient flooring is installed…

**A5.504.4.7.2 Verification of compliance.** Documentation…

**~~A5.504.4.8~~ Thermal insulation~~, Tier 1~~.** (Relocated to Section 5.504.4.7) Comply with the …Specification 01350).

See California… labs.

https://www.cdph.ca.gov... material

**A5.504.4.8.~~1~~ Thermal insulation, Tier ~~2~~ 1.** Thermal insulation, No-added Formaldehyde. Install thermal insulation which complies with Tier 1 plus does not contain any added formaldehyde.

**A5.504.4.8.~~2~~ 1** **Verification of compliance.** Documentation shall be provided verifying that thermal insulation materials meet the pollutant emission limits.

**Notation:**

Authority: Health & Safety Code Section 18930.5.

Reference – Health & Safety Code Section 18930.5.

# ITEM 17

**~~A5.504.4.9~~ Acoustical ceilings and wall panels.** (*Relocated to Section 5.504.4.8*) Comply with the… Specification 01350).

See California… labs.

https://www.cdph.ca.gov... material

**~~A5.504.4.9.1~~ Verification of compliance.** (*Relocated to Section 5.504.4.8.1*) Documentation… limits.

**Notation:**

Authority: Health & Safety Code Sections 18930.5 and 18941.10.

Reference – Health & Safety Code Sections 18930.5 and 18941.10

# ITEM 18

**DIVISIONA5.6 – VOLUNTARY TIERS**

**SECTION** **A5.601  
CALGreenTIER 1 AND TIER 2**

**. . .**

**TABLE A5.601 NONRESIDENTIAL BUILDINGS:****Green Building Standards Code Proposed Performance approach**

**. . .**

| CATEGORY | ENVIRONMENTAL PERFORMANCE GOAL | TIER 1 | TIER 2 |
| --- | --- | --- | --- |
| All | Minimum Mandatory (See Mandatory Checklist) | Meet all of the provisions of Chapter 5 (See Tier 1 Checklist) | Meet all of the provisions of Chapter 5 (See Tier 2 Checklist) |
| DIVISION 5.1 Planning and Design | Designated Parking for Fuel Efficient Vehicles | Approx. ~~17%~~ 35% of total spaces | Approx. ~~22%~~ 50% of total spaces |
|  | Electric Vehicle Charging | Approx. ~~15%~~ 30% of total spaces | Approx. ~~20%~~ 45% of total spaces |

**. . .**

**Notation:**

Authority: Health & Safety Code Sections 18930.5 and 18931.7(b).

Reference(s): Health & Safety Code Sections 18930.5 and 18931.7(b).

# ITEM 19

**A5.602,  
*CALGreen* VERIFICATION GUIDELINES  
MANDATORY MEASURES CHECKLIST**

**. . .**

# Chapter 5 Divisions

## DIVISION 5.1 Planning and Design

| **Requirement** | **SECTION TITLE** | **CODE SECTION** | **Y** | **N** | **N/A** | **O** | **PLAN SHEET, SPEC, OR ATTACH REFERENCE** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **…** | **…** | **…** |  |  |  |  |  |
| Mandatory | Long-term bicycle parking | 5.106.4.1.2 through 5.106.4.1.5 |  |  |  |  |  |
| ~~Mandatory~~ | ~~Designated parking for clean air vehicles with footnote and note~~ | ~~5.106.5.2~~ |  |  |  |  |  |
| ~~Mandatory~~ | ~~Parking stall marking~~ | ~~5.106.5.2.1~~ |  |  |  |  |  |
| Mandatory | Electric vehicle (EV) charging [N] w/ exceptions | 5.106.5.3 |  |  |  |  |  |
| ~~Mandatory~~ | ~~Single charging space requirements~~ | ~~5.106.5.3.1~~ |  |  |  |  |  |
| Mandatory | ~~Multiple charging space requirements [N]~~ EV capable spaces [N] | 5.106.5.3.~~2~~ 1 |  |  |  |  |  |
| Mandatory | ~~Electric vehicle charging stations (EVCS)~~ | 5.106.5.3.2 |  |  |  |  |  |
| Mandatory | Use of automatic load management systems (ALMS) | 5.106.5.3.3 |  |  |  |  |  |
| Mandatory | Accessible EVCS | 5.106.5.3.4 |  |  |  |  |  |
| Mandatory | Note for EVCS signs |  |  |  |  |  |  |
| ~~Mandatory~~ | ~~EV charging space calculation [N] (with exceptions)~~ | ~~5.106.5.3.3~~ |  |  |  |  |  |
| Mandatory | TABLE 5.106.5.3.1 w/ footnotes | 5.106.3.1, 5.106.3.2 and 5.106.3.3 |  |  |  |  |  |
| ~~Mandatory~~ | ~~[N] Identification~~ | ~~5.106.5.3.4~~ |  |  |  |  |  |
| ~~Mandatory~~ | ~~[N] Future charging spaces with note~~ | ~~5.106.5.3.5~~ |  |  |  |  |  |
| Mandatory | Electric vehicle (EV) charging: medium-duty and heavy-duty [N] | 5.106.5.4 |  |  |  |  |  |
| Mandatory | Electric vehicle charging readiness requirements for warehouses, grocery stores and retail stores with planned off-street loading spaces [N] | 5.106.5.4.1 |  |  |  |  |  |
| Mandatory | TABLE 5.106.5.4.1.1 | 5.106.5.4 and 5.106.5.4.1 |  |  |  |  |  |
| Mandatory | Light pollution reduction [N] (with exceptions, notes and table) | 5.106.8 |  |  |  |  |  |
| **…** | **…** | **…** |  |  |  |  |  |

## DIVISION 5.2 Energy Efficiency

(*No change to table*)

## DIVISION 5.3 Water Efficiency and Conservation

(*No change to table*)

## DIVISION 5.4 Material Conservation and Resource Efficiency

(*No change to table*)

## DIVISION 5.5 Environmental Quality

| **Requirement** | **SECTION TITLE** | **CODE SECTION** | **Y** | **N** | **N/A** | **O** | **PLAN SHEET, SPEC, OR ATTACH REFERENCE** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Mandatory | Fireplaces | 5.503.1 |  |  |  |  |  |
| **…** | **…** | **…** |  |  |  |  |  |
| Mandatory | Resilient flooring: verification of compliance | 5.504.4.6.1 |  |  |  |  |  |
| Mandatory | Thermal insulation | 5.504.4.7 |  |  |  |  |  |
| Mandatory | Verification of compliance | 5.504.4.7.1 |  |  |  |  |  |
| Mandatory | Acoustical ceilings and wall panels | 5.504.4.8 |  |  |  |  |  |
| Mandatory | Verification of compliance | 5.504.4.8.1 |  |  |  |  |  |
| **…** | **…** | **…** |  |  |  |  |  |
|  | END OF MANDATORY PROVISIONS |  |  |  |  |  |  |

**A5.602.1,  
*CALGreen* VERIFICATION GUIDELINES  
TIER 1 CHECKLIST**

**. . .**

# Chapter 5 Divisions

## DIVISION 5.1 Planning and Design

| **Requirement** | **SECTION TITLE** | **CODE SECTION** | **Y** | **N** | **N/A** | **O** | **PLAN SHEET, SPEC, OR ATTACH REFERENCE** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **…** | **…** | **…** |  |  |  |  |  |
| Mandatory | Long-term bicycle parking | 5.106.4.1.2 through 5.106.4.1.5 |  |  |  |  |  |
| ~~Mandatory~~ | ~~Designated parking for clean air vehicles with footnote and note~~ | ~~5.106.5.2~~ |  |  |  |  |  |
| *Tier 1 prerequisite* | Designated parking-~~17~~ 35% of parking capacity w/ parking stall markings and stall identification | A5.106.5.1, A5.106.5.1.1, A5.106.5.1.3, A5.106.5.1.4 |  |  |  |  |  |
| ~~Mandatory~~ | ~~Parking stall marking~~ | ~~5.106.5.2.1~~ |  |  |  |  |  |
| Mandatory | Electric vehicle (EV) charging [N] w/ exceptions | 5.106.5.3 |  |  |  |  |  |
| *Tier 1 prerequisite* | *Electric vehicle (EV) charging [N] and TABLE A5.106.5.3.1 w/ footnotes*  *~~w/ associated electrical panel identification and designated parking allowance~~* | *A5.106.5.3, A5.106.5.3.1, ~~A5.106.5.3.3, A5.106.5.3.4~~* |  |  |  |  |  |
| ~~Mandatory~~ | ~~Single charging space requirements~~ | ~~5.106.5.3.1~~ |  |  |  |  |  |
| Mandatory | ~~Multiple charging space requirements [N]~~ EV capable spaces [N] | 5.106.5.3.~~2~~ 1 |  |  |  |  |  |
| Mandatory | ~~Electric vehicle charging stations (EVCS)~~ | 5.106.5.3.2 |  |  |  |  |  |
| Mandatory | Use of automatic load management systems (ALMS) | 5.106.5.3.3 |  |  |  |  |  |
| Mandatory | Accessible EVCS | 5.106.5.3.4 |  |  |  |  |  |
| Mandatory | Note for EVCS signs |  |  |  |  |  |  |
| ~~Mandatory~~ | ~~EV charging space calculation [N] (with exceptions)~~ | ~~5.106.5.3.3~~ |  |  |  |  |  |
| Mandatory | TABLE 5.106.5.3.1 w/ footnotes | 5.106.3.1, 5.106.3.2 and 5.106.3.3 |  |  |  |  |  |
| ~~Mandatory~~ | ~~[N] Identification~~ | ~~5.106.5.3.4~~ |  |  |  |  |  |
| ~~Mandatory~~ | ~~[N] Future charging spaces with note~~ | ~~5.106.5.3.5~~ |  |  |  |  |  |
| Mandatory | Electric vehicle (EV) charging: medium-duty and heavy-duty [N] | 5.106.5.4 |  |  |  |  |  |
| Mandatory | Electric vehicle charging readiness requirements for warehouses, grocery stores and retail stores with planned off-street loading spaces [N] | 5.106.5.4.1 |  |  |  |  |  |
| Mandatory | TABLE 5.106.5.4.1.1 | 5.106.5.4 and 5.106.5.4.1 |  |  |  |  |  |
| **…** | **…** | **…** |  |  |  |  |  |

## DIVISION 5.2 Energy Efficiency

| **Requirement** | **SECTION TITLE** | **CODE SECTION** | **Y** | **N** | **N/A** | **O** | **PLAN SHEET, SPEC, OR ATTACH REFERENCE** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **…** | **…** | **…** |  |  |  |  |  |

## DIVISION 5.3 Water Efficiency and Conservation

| **Requirement** | **SECTION TITLE** | **CODE SECTION** | **Y** | **N** | **N/A** | **O** | **PLAN SHEET, SPEC, OR ATTACH REFERENCE** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Mandatory | Separate meters (new buildings or additions > 50,000 sf that consume more than 100 gal/day) | 5.303.1.1 |  |  |  |  |  |
| **…** | **…** | **…** |  |  |  |  |  |
| *Elective* | *Metering faucets for wash fountains* | *A5.303.3* |  |  |  |  |  |
| *Elective* | *Nonwater ~~supplied~~ urinal* | *A5.303.4.1* |  |  |  |  |  |
| **…** | **…** | **…** |  |  |  |  |  |

## DIVISION 5.4 Material Conservation and Resource Efficiency

| **Requirement** | **SECTION TITLE** | **CODE SECTION** | **Y** | **N** | **N/A** | **O** | **PLAN SHEET, SPEC, OR ATTACH REFERENCE** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Mandatory | Weather protection | 5.407.1 |  |  |  |  |  |
| **…** | **…** | **…** |  |  |  |  |  |
| Mandatory | Inspection and reports | 5.410.4.5.1 |  |  |  |  |  |

## DIVISION 5.5 Environmental Quality

| **Requirement** | **SECTION TITLE** | **CODE SECTION** | **Y** | **N** | **N/A** | **O** | **PLAN SHEET, SPEC, OR ATTACH REFERENCE** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Mandatory | Fireplaces | 5.503.1 |  |  |  |  |  |
| **…** | **…** | **…** |  |  |  |  |  |
| Mandatory | Resilient flooring: verification of compliance | 5.504.4.6.1 |  |  |  |  |  |
| *Tier 1 prerequisite* | *Resilient flooring systems, Tier 1 (with verification of compliance)* | *A5.504.4.7, A5.504.4.7.2* |  |  |  |  |  |
| Mandatory | Thermal insulation | 5.504.4.7 |  |  |  |  |  |
| Mandatory | Verification of compliance | 5.504.4.7.1 |  |  |  |  |  |
| *Tier 1 prerequisite* | *Thermal insulation, Tier 1 (with verification of compliance)* | *A5.504.4.8, A5.504.4.8.~~2~~1* |  |  |  |  |  |
| Mandatory | Acoustical ceilings and wall panels | 5.504.4.8 |  |  |  |  |  |
| Mandatory | Verification of compliance | 5.504.4.8.1 |  |  |  |  |  |
| *~~Elective~~* | *~~Acoustical ceilings and wall panels (with verification of compliance)~~* | *~~A5.504.4.9, A5.504.4.9.1~~* |  |  |  |  |  |
| **…** | **…** | **…** |  |  |  |  |  |
|  | END OF MANDATORY PROVISIONS |  |  |  |  |  |  |

**A5.602.2,  
*CALGreen* VERIFICATION GUIDELINES  
TIER 2 CHECKLIST**

**. . .**

# Chapter 5 Divisions

## DIVISION 5.1 Planning and Design

| **Requirement** | **SECTION TITLE** | **CODE SECTION** | **Y** | **N** | **N/A** | **O** | **PLAN SHEET, SPEC, OR ATTACH REFERENCE** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **…** | **…** | **…** |  |  |  |  |  |
| Mandatory | Long-term bicycle parking | 5.106.4.1.2 through 5.106.4.1.5 |  |  |  |  |  |
| ~~Mandatory~~ | ~~Designated parking for clean air vehicles with footnote and note~~ | ~~5.106.5.2~~ |  |  |  |  |  |
| *Tier 2 prerequisite* | Designated parking-~~10~~ 50% of parking capacity w/ parking stall markings and stall identification | A5.106.5.1, A5.106.5.1.1, A5.106.5.1.3, A5.106.5.1.4 |  |  |  |  |  |
| ~~Mandatory~~ | ~~Parking stall marking~~ | ~~5.106.5.2.1~~ |  |  |  |  |  |
| Mandatory | Electric vehicle (EV) charging [N] w/ exceptions | 5.106.5.3 |  |  |  |  |  |
| *Tier 2 prerequisite* | *Electric vehicle (EV) charging [N] and TABLE A5.106.5.3.2 w/ footnotes*  *~~w/ associated electrical panel identification and designated parking allowance~~* | *A5.106.5.3, A5.106.5.3.1, ~~A5.106.5.3.3, A5.106.5.3.4~~* |  |  |  |  |  |
| ~~Mandatory~~ | ~~Single charging space requirements~~ | ~~5.106.5.3.1~~ |  |  |  |  |  |
| Mandatory | ~~Multiple charging space requirements [N]~~ EV capable spaces [N] | 5.106.5.3.~~2~~ 1 |  |  |  |  |  |
| Mandatory | ~~Electric vehicle charging stations (EVCS)~~ | 5.106.5.3.2 |  |  |  |  |  |
| Mandatory | Use of automatic load management systems (ALMS) | 5.106.5.3.3 |  |  |  |  |  |
| Mandatory | Accessible EVCS | 5.106.5.3.4 |  |  |  |  |  |
| Mandatory | Note for EVCS signs |  |  |  |  |  |  |
| ~~Mandatory~~ | ~~EV charging space calculation [N] (with exceptions)~~ | ~~5.106.5.3.3~~ |  |  |  |  |  |
| Mandatory | TABLE 5.106.5.3.1 w/ footnotes | 5.106.3.1, 5.106.3.2 and 5.106.3.3 |  |  |  |  |  |
| ~~Mandatory~~ | ~~[N] Identification~~ | ~~5.106.5.3.4~~ |  |  |  |  |  |
| ~~Mandatory~~ | ~~[N] Future charging spaces with note~~ | ~~5.106.5.3.5~~ |  |  |  |  |  |
| Mandatory | Electric vehicle (EV) charging: medium-duty and heavy-duty [N] | 5.106.5.4 |  |  |  |  |  |
| Mandatory | Electric vehicle charging readiness requirements for warehouses, grocery stores and retail stores with planned off-street loading spaces [N] | 5.106.5.4.1 |  |  |  |  |  |
| Mandatory | TABLE 5.106.5.4.1.1 | 5.106.5.4 and 5.106.5.4.1 |  |  |  |  |  |
| **…** | **…** | **…** |  |  |  |  |  |
| **…** | **…** | **…** |  |  |  |  |  |

## DIVISION 5.2 Energy Efficiency

| **Requirement** | **SECTION TITLE** | **CODE SECTION** | **Y** | **N** | **N/A** | **O** | **PLAN SHEET, SPEC, OR ATTACH REFERENCE** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **…** | **…** | **…** |  |  |  |  |  |

## DIVISION 5.3 Water Efficiency and Conservation

| **Requirement** | **SECTION TITLE** | **CODE SECTION** | **Y** | **N** | **N/A** | **O** | **PLAN SHEET, SPEC, OR ATTACH REFERENCE** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Mandatory | Separate meters (new buildings or additions > 50,000 sf that consume more than 100 gal/day) | 5.303.1.1 |  |  |  |  |  |
| **…** | **…** | **…** |  |  |  |  |  |
| *Elective* | *Metering faucets for wash fountains* | *A5.303.3* |  |  |  |  |  |
| *Elective* | *Nonwater ~~supplied~~ urinal* | *A5.303.4.1* |  |  |  |  |  |
| **…** | **…** | **…** |  |  |  |  |  |

## DIVISION 5.4 Material Conservation and Resource Efficiency

| **Requirement** | **SECTION TITLE** | **CODE SECTION** | **Y** | **N** | **N/A** | **O** | **PLAN SHEET, SPEC, OR ATTACH REFERENCE** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Mandatory | Weather protection | 5.407.1 |  |  |  |  |  |
| **…** | **…** | **…** |  |  |  |  |  |
| Mandatory | Inspection and reports | 5.410.4.5.1 |  |  |  |  |  |

## DIVISION 5.5 Environmental Quality

| **Requirement** | **SECTION TITLE** | **CODE SECTION** | **Y** | **N** | **N/A** | **O** | **PLAN SHEET, SPEC, OR ATTACH REFERENCE** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Mandatory | Fireplaces | 5.503.1 |  |  |  |  |  |
| **…** | **…** | **…** |  |  |  |  |  |
| Mandatory | Resilient flooring: verification of compliance | 5.504.4.6.1 |  |  |  |  |  |
| *Tier 2 prerequisite* | *Resilient flooring systems, Tier 2 (with verification of compliance)* | *A5.504.4.7, A5.504.4.7.2* |  |  |  |  |  |
| Mandatory | Thermal insulation | 5.504.4.7 |  |  |  |  |  |
| Mandatory | Verification of compliance | 5.504.4.7.1 |  |  |  |  |  |
| *~~Tier 2 prerequisite~~* | *~~Thermal insulation, Tier 2 (with verification of compliance)~~* | *~~A5.504.4.8, A5.504.4.8.2~~* |  |  |  |  |  |
| Mandatory | Acoustical ceilings and wall panels | 5.504.4.8 |  |  |  |  |  |
| Mandatory | Verification of compliance | 5.504.4.8.1 |  |  |  |  |  |
| *~~Elective~~* | *~~Acoustical ceilings and wall panels (with verification of compliance)~~* | *~~A5.504.4.9, A5.504.4.9.1~~* |  |  |  |  |  |
| **…** | **…** | **…** |  |  |  |  |  |
|  | END OF MANDATORY PROVISIONS |  |  |  |  |  |  |

**Notation:**

Authority: Health & Safety Code Sections 18930.5 and 18941.10.

Reference – Health & Safety Code Sections 18930.5 and 18941.10