A5.602
*CALGreen* VERIFICATION GUIDELINES
MANDATORY MEASURES CHECKLIST
2019 Edition

**Application:** This checklist shall be used for nonresidential projects that meet one of the following: new construction, building additions of 1,000 square feet or greater, or building alterations with a permit valuation of $200,000 or more pursuant to Section 301.3 AND do not trigger a Tier 1 or Tier 2 requirement:

**Y** = Yes (section has been selected and/or included)

**N/A** = Not Applicable (code section does not apply to the project—mainly used for additions and alterations)

**O** = Other (provide explanation)

**[N]** = New construction pursuant to Section 301.3

**[A]** = Additions and/or Alterations pursuant to Section 301.3

# **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 | Storm water pollution prevention for projects that disturb less than 1 acre of land | 5.106.1 through 5.106.2 |  |  |  |  |  |
| Mandatory | Short-term bicycle parking (with exception) | 5.106.4.1.1 |  |  |  |  |  |
| Mandatory | Long-term bicycle parking | 5.106.4.1.2 through 5.106.4.1.5 |  |  |  |  |  |
| Mandatory | Designated parking for clean air vehicles | 5.106.5.2 |  |  |  |  |  |
| Mandatory | Parking stall marking | 5.106.5.2.1 |  |  |  |  |  |
| Mandatory | Single charging space requirements | 5.106.5.3.1 |  |  |  |  |  |
| Mandatory | Multiple charging space requirements [N] | 5.106.5.3.2 |  |  |  |  |  |
| Mandatory | EV charging space calculation [N] (with exceptions) | 5.106.5.3.3 |  |  |  |  |  |
| Mandatory | [N] Identification | 5.106.5.3.4 |  |  |  |  |  |
| Mandatory | [N] Future charging spaces | 5.106.5.3.5 |  |  |  |  |  |
| Mandatory | Light pollution reduction [N] (with exceptions and notes) | 5.106.8 |  |  |  |  |  |
| Mandatory | Grading and paving (exception for additions and alterations not altering the drainage path) | 5.106.10 |  |  |  |  |  |

## DIVISION 5.2 Energy Efficiency

| **Requirement** | **SECTION TITLE** | **CODE SECTION** | **Y** | **N** | **N/A** | **O** | **PLAN SHEET, SPEC, OR ATTACH REFERENCE** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Mandatory | Meet the minimum energy efficiency standard | 5.201.1 |  |  |  |  |  |

## 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 |  |  |  |  |  |
| Mandatory | Separate meters (for tenants in new buildings or additions that consume more than 1,000 gal/day) | 5.303.1.2 |  |  |  |  |  |
| Mandatory | Water closets shall not exceed 1.28 gallons per flush (gpf) | 5.303.3.1 |  |  |  |  |  |
| Mandatory | Wall-mounted urinals shall not exceed 0.125 gpf | 5.303.3.2.1 |  |  |  |  |  |
| Mandatory | Floor-mounted urinals shall not exceed 0.5 gpf | 5.303.3.2.2 |  |  |  |  |  |
| Mandatory | Single showerhead shall have maximum flow rate of 1.8 gpm (gallons per minute) at 80 psi | 5.303.3.3.1 |  |  |  |  |  |
| Mandatory | Multiple showerheads serving one shower shall have a combined flow rate of 1.8 gpm at 80 psi | 5.303.3.3.2 |  |  |  |  |  |
| Mandatory | Nonresidential lavatory faucets | 5.303.3.4.1 |  |  |  |  |  |
| Mandatory | Kitchen faucets | 5.303.3.4.2 |  |  |  |  |  |
| Mandatory | Wash fountains | 5.303.3.4.3 |  |  |  |  |  |
| Mandatory | Metering faucets | 5.303.3.4.4 |  |  |  |  |  |
| Mandatory | Metering faucets for wash fountains | 5.303.3.4.5 |  |  |  |  |  |
| Mandatory | Food waste disposers | 5.303.4.1 |  |  |  |  |  |
| Mandatory | Areas of additions or alterations | 5.303.5 |  |  |  |  |  |
| Mandatory | Standards for plumbing fixtures and fittings | 5.303.6 |  |  |  |  |  |
| Mandatory | Outdoor potable water use in landscape areas (with notes) | 5.304.1 |  |  |  |  |  |
| Mandatory | Outdoor water supply systems (with Exceptions 1-4) | 5.305.1.1 |  |  |  |  |  |
| Mandatory | Technical requirements for outdoor recycled water supply systems | 5.305.1.2 |  |  |  |  |  |

## 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 | Moisture control: sprinklers | 5.407.2.1 |  |  |  |  |  |
| Mandatory | Moisture control: exterior door protection | 5.407.2.2.1 |  |  |  |  |  |
| Mandatory | Moisture control: flashing | 5.407.2.2.2 |  |  |  |  |  |
| Mandatory | Construction waste management—comply with either: Sections 5.408.1.1, 5.408.1.2, 5.408.1.3 or more stringent local ordinance | 5.408.1.1, 5.408.1.2, 5.408.1.3 |  |  |  |  |  |
| Mandatory | Construction waste management: documentation | 5.408.1.4 |  |  |  |  |  |
| Mandatory | Universal waste [A] | 5.408.2 |  |  |  |  |  |
| Mandatory | Excavated soil and land clearing debris (100% reuse or recycle) | 5.408.3 |  |  |  |  |  |
| Mandatory | Recycling by occupants (with exception) | 5.410.1 |  |  |  |  |  |
| Mandatory | Recycling by occupants: additions (with exception) | 5.410.1.1 |  |  |  |  |  |
| Mandatory | Recycling by occupants: sample ordinance | 5.410.1.2 |  |  |  |  |  |
| Mandatory | Commissioning new buildings (≥ 10,000 sf) [N] | 5.410.2 |  |  |  |  |  |
| Mandatory | Owner’s or owner representative’s Project Requirements (OPR) [N] | 5.410.2.1 |  |  |  |  |  |
| Mandatory | Basis of Design (BOD) [N] | 5.410.2.2 |  |  |  |  |  |
| Mandatory | Commissioning plan [N] | 5.410.2.3 |  |  |  |  |  |
| Mandatory | Functional performance testing [N] | 5.410.2.4 |  |  |  |  |  |
| Mandatory | Documentation and training [N] | 5.410.2.5 |  |  |  |  |  |
| Mandatory | Systems manual [N] | 5.410.2.5.1 |  |  |  |  |  |
| Mandatory | Systems operation training [N] | 5.410.2.5.2 |  |  |  |  |  |
| Mandatory | Commissioning report [N] | 5.410.2.6 |  |  |  |  |  |
| Mandatory | Testing and adjusting for new buildings < 10,000 sf or new systems that serve additions or alterations [A] | 5.410.4 |  |  |  |  |  |
| Mandatory | System testing plan for renewable energy, landscape irrigation and water reuse [A] | 5.410.4.2 |  |  |  |  |  |
| Mandatory | Procedures for testing and adjusting | 5.410.4.3 |  |  |  |  |  |
| Mandatory | Procedures for HVAC balancing | 5.410.4.3.1 |  |  |  |  |  |
| Mandatory | Reporting for testing and adjusting | 5.410.4.4 |  |  |  |  |  |
| Mandatory | Operation and maintenance (O&M) manual | 5.410.4.5 |  |  |  |  |  |
| 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 | Woodstoves | 5.503.1.1 |  |  |  |  |  |
| Mandatory | Temporary ventilation | 5.504.1 |  |  |  |  |  |
| Mandatory | Covering of ducts openings and protection of mechanical equipment during construction | 5.504.3 |  |  |  |  |  |
| Mandatory | Adhesives, sealants, and caulks | 5.504.4.1 |  |  |  |  |  |
| Mandatory | Paints and coatings | 5.504.4.3 |  |  |  |  |  |
| Mandatory | Aerosol paints and coatings | 5.504.4.3.1 |  |  |  |  |  |
| Mandatory | Aerosol paints and coatings: verification | 5.504.4.3.2 |  |  |  |  |  |
| Mandatory | Carpet systems | 5.504.4.4 |  |  |  |  |  |
| Mandatory | Carpet cushion | 5.504.4.4.1 |  |  |  |  |  |
| Mandatory | Carpet adhesives per Table 5.504.4.1 | 5.504.4.4.2 |  |  |  |  |  |
| Mandatory | Composite wood products | 5.504.4.5 |  |  |  |  |  |
| Mandatory | Composite wood products: documentation | 5.504.4.5.3 |  |  |  |  |  |
| Mandatory | Resilient flooring systems | 5.504.4.6 |  |  |  |  |  |
| Mandatory | Resilient flooring: verification of compliance | 5.504.4.6.1 |  |  |  |  |  |
| Mandatory | Filters (with exceptions) | 5.504.5.3 |  |  |  |  |  |
| Mandatory | Filters: labeling | 5.504.5.3.1 |  |  |  |  |  |
| Mandatory | Environmental tobacco smoke (ETS) control | 5.504.7 |  |  |  |  |  |
| Mandatory | Indoor moisture control | 5.505.1 |  |  |  |  |  |
| Mandatory | Outside air delivery | 5.506.1 |  |  |  |  |  |
| Mandatory | Carbon dioxide (CO2) monitoring | 5.506.2 |  |  |  |  |  |
| Mandatory | Acoustical control (with exception) | 5.507.4 |  |  |  |  |  |
| Mandatory | Exterior noise transmission, prescriptive method (with exceptions) | 5.507.4.1 |  |  |  |  |  |
| Mandatory | Noise exposure where noise contours are not readily available | 5.507.4.1.1 |  |  |  |  |  |
| Mandatory | Performance method | 5.507.4.2 |  |  |  |  |  |
| Mandatory | Site features | 5.507.4.2.1 |  |  |  |  |  |
| Mandatory | Documentation of compliance | 5.507.4.2.2 |  |  |  |  |  |
| Mandatory | Interior sound transmission (with note) | 5.507.4.3 |  |  |  |  |  |
| Mandatory | Ozone depletion and greenhouse gas reductions | 5.508.1 |  |  |  |  |  |
| Mandatory | Chlorofluorocarbons (CFCs) | 5.508.1.1 |  |  |  |  |  |
| Mandatory | Halons | 5.508.1.2 |  |  |  |  |  |
| Mandatory | Supermarket refrigerant leak reduction for retail food stores 8,000 square feet or more | 5.508.2 through 5.508.2.6.3 |  |  |  |  |  |
|  | END OF MANDATORY PROVISIONS |  |  |  |  |  |  |

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| **Documentation Author's / Responsible Designer's Declaration Statement****□ Mandatory:** I attest that this mandatory provisions checklist is accurate and complete. |  |
| Signature: |  |
| Company: | Date: |
| Address: | License: |
| City/State/Zip: | Phone: |