

**DEVELOPMENT SERVICES – BUILDING INSPECTION****INSPECTION GUIDELINES:
GREEN BUILDING – RESIDENTIAL AND MULTI-FAMILY
FINAL INSPECTION****INSPECTION CODE: 153****SCOPE: RESIDENTIAL****APPLICABLE CODES: 2019 CBC, CRC, CPC, CMC, CEC, CALGreen, CEnC, and PAMC**

The information provided in this document is general and intended as a guide only. Each project is unique and additional requirements may be enforced as deemed appropriate.

RESIDENTIAL AND MULTI-FAMILY PROJECTS

- The Green Building Final, Inspection 153, is required for all projects that triggered Mandatory, Tier 1, or Tier 2 requirements during the plan review process. For information regarding these triggers, please see the “Green Building Special Inspectors and Project Triggers” inspection checklist.
- This inspection shall take place prior to Building Final (Inspection 101).

CALGREEN MANDATORY PROJECTS**ITEMS OF DISCUSSION DURING GREEN BUILDING FINAL INSPECTION**

- During the Green Building Incremental Verification Inspection, the general contractor and the City of Palo Alto (CPA) Building Inspector shall:
 - Verify compliance of the project requirements identified as “Y” in the “GB-1” sheet and the “Green Building GB-1 Sheet Submittals” checklist.
 - All submittals, photos, and other documents shall be assembled in preparation for this inspection in a 3-ring binder and an USB drive (which shall be labeled with the permit number and given to the Building Inspector if the inspection is approved).
 - A digital copy of the Green Building Binder is also accepted in lieu of a physical binder.
 - The City has instructions for submitting digital plans and documents. Please visit the [Online Permitting Services](https://www.cityofpaloalto.org/Departments/Planning-Development-Services/Development-Services/Online-Permit-Services-OPS) Webpage for more details.
 - The general contractor shall highlight all applicable requirements on the submittals, photos, and other documents that were assembled in the 3-ring binder.

(See the pages that follow for Required Items at Time of Inspection)

REQUIRED ITEMS DURING CALGREEN MANDATORY INSPECTION

- The items that follow shall be complete at the time when Inspection 153 is scheduled to ensure that the CPA Building Inspector signs off the inspection card.
 - Any items not completed at time of Inspection 152
 - Grading and paving
 - Bicycle Parking (for Multi-Family projects only)
 - Indoor water use
 - Outdoor potable water use in landscape areas
 - Enhanced construction waste reduction – 80%
 - Construction waste management in Green Halo/Waster management company
 - Operation and maintenance manual
 - Recycling by occupants (for Multi-Family buildings only)
 - Adhesives, sealants and caulks
 - Paints and coatings
 - Carpet systems
 - Resilient flooring systems for 80%
 - Composite wood products
 - Mandatory Indoor Air Quality Management Plan (for Multi-Family projects only)

(See the pages that follow for CALGreen Tier 1 and Tier 2 Projects)

CALGREEN TIER 1 AND TIER 2 PROJECTS**GENERAL INFORMATION**

- The general contractor must be in on-going communication with the Green Building Special Inspector (GBSI) to verify all Green Building Final Inspection requirements have been met.
- For Tier 1 and Tier 2 projects, the contractor shall coordinate the Green Building Final Inspection with the general contractor, GBSI, and the City of Palo Alto Building Inspector. The GBSI shall be physically present and shall lead the meeting.
- This inspection shall take place prior to Building Final (Inspection 101).

ITEMS OF DISCUSSION DURING GREEN BUILDING PRE-CONSTRUCTION MEETING

- During the Green Building Incremental Verification Inspection, the general contractor and the City of Palo Alto Building Inspector shall:
 - Review the “GB-1” sheet in the approved set of plans and the “Green Building GB-1 Sheet Submittals” checklist.
 - Review submittals, photos, and other documents assembled in the 3-ring binder and USB drive in preparation for this inspection.
 - How to address corrections.

REQUIRED ITEMS DURING CALGREEN TIER 1 AND TIER 2 INSPECTION

- The items that follow shall be complete at the time when Inspection 153 is scheduled to ensure that the CPA Building Inspector signs off the inspection card.
- Tier 1 Projects:
 - Any items not completed at time of Inspection 152
 - Topsoil protection (ongoing from Inspections 151 and 152)
 - Grading and paving
 - Water permeable surfaces for 20%
 - Bicycle Parking (for Multi-Family projects only)
 - Community connectivity (if it was not verified during Inspection 151)
 - Soil protection (if selected as an elective)
 - Landscape design (if selected as an elective)
 - Check with Urban Forestry; see Inspection 249
 - Vegetated roof (if selected as an elective)
 - Reduction of heat island effect for nonroof areas (if selected as an elective)
 - Light pollution reduction (if selected as an elective)
 - Innovative concepts and local environmental conditions (if selected as an elective)
 - Indoor water use
 - Outdoor potable water use in landscape areas
 - Recycled water (for Multi-Family projects only)
 - Kitchen faucets (if selected as an elective)
 - Alternate water sources for nonpotable applications
 - Appliances (if selected as an elective) (ongoing from Inspection 152)
 - Rainwater catchment systems (if selected as an elective)

- Potable water elimination
- Irrigation metering device
- Innovative concepts and local environmental conditions (if selected as an elective)
- Enhanced construction waste reduction – 80%
- Construction waste management in Green Halo/Waster management company
- Documentation
- Operation and maintenance manual
- Recycling by occupants (for Multi-Family projects only)
- Prefinished building materials (if selected as an elective)
- Concrete floors (if selected as an elective)
- Drainage around foundations (if selected as an elective)
- Roof drainage
- Flashing details (if selected as an elective)
- Material protection (ongoing from Inspection 152)
- Adhesives, sealants and caulks
- Paints and coatings
- Carpet systems
- Resilient flooring systems for 90%
- Composite wood products
- Compliance with formaldehyde limits (if selected as an elective)
- Thermal insulation (if selected as an elective)
- Filters (if selected as an elective)

Tier 2 Projects:

(In addition to any items shown under Tier 1 Projects)

- Any items not completed at time of Inspection 152
- Resilient flooring systems for 100%