

GS5: San Francisco Green Building Submittal Form for Residential Alteration + Addition Projects

Form version: October 11, 2017 (For permit applications January 2017 - December 2019)

INSTRUCTIONS:				OTHER RESIDENTIAL ALTERATIONS + ADDITIONS
1. Fill out the project information in the Verification box at the right. 2. Submittal must be a minimum of 11" x 17". 3. This form is for permit applications submitted January 2017 through December 2019. The prior version may be submitted until January 1, 2018.				adds any amount of conditioned area, volume, or size if applicable
	TITLE	SOURCE OF REQUIREMENT	DESCRIPTION OF REQUIREMENT	
RESIDENTIAL	GRADING & PAVING	CALGreen 4.106.3	Show how surface drainage (grading, swales, drains, retention areas) will keep surface water from entering the building.	if applicable
	RODENT PROOFING	CALGreen 4.406.1	Seal around pipe, cable, conduit, and other openings in exterior walls with cement mortar or DBI-approved similar method.	•
	FIREPLACES & WOODSTOVES	CALGreen 4.503.1	Install only direct-vent or sealed-combustion, EPA Phase II-compliant appliances.	•
	CAPILLARY BREAK, SLAB ON GRADE	CALGreen 4.505.2	Slab on grade foundation requiring vapor retarder also requires a capillary break such as: 4 inches of base 1/2-inch aggregate under retarder; slab design specified by licensed professional.	•
	MOISTURE CONTENT	CALGreen 4.505.3	Wall + floor <19% moisture content before enclosure.	•
	BATHROOM EXHAUST	CALGreen 4.506.1	Must be ENERGY STAR compliant, ducted to building exterior, and its humidistat shall be capable of adjusting between <50% to >80% (humidistat may be separate component).	•
MATERIALS	LOW-EMITTING MATERIALS	CALGreen 4.504.2.1-5, SFGBC 4.103.3.2	Use products that comply with the emission limit requirements of 4.504.2.1-5, 5.504.4.1-6 for adhesives, sealants, paints, coatings, carpet systems including cushions and adhesives, resilient flooring (80% of area), and composite wood products.	•
WATER	INDOOR WATER USE REDUCTION	CALGreen 4.303.1, SF Housing Code sec.12A10	Meet flush/flow requirements for: toilets (1.28gpf); urinals (0.125gpf wall, 0.5gpf floor); showerheads (2.0gpm); lavatories (1.2gpm private, 0.5gpm public/common); kitchen faucets (1.8gpm); wash fountains (1.8gpm); metering faucets (0.2gpc); food waste disposers (1gpm/8gpm). Residential major improvement projects must upgrade all non-compliant fixtures per SF Housing Code sec.12A10.	•
	WATER-EFFICIENT IRRIGATION	Administrative Code ch.63	If modified landscape area is ≥1,000 sq.ft., use low water use plants or climate appropriate plants, restrict turf areas and comply with Model Water Efficient Landscape Ordinance restrictions by calculated ETAF of ≤.55 or by prescriptive compliance for projects with ≤2,500 sq.ft. of landscape area.	•
ENERGY	ENERGY EFFICIENCY	CA Energy Code	Comply with all provisions of the CA Energy Code.	•
PARKING	BICYCLE PARKING	Planning Code sec.155.1-2	Provide short- and long-term bike parking to meet requirements of SF Planning Code sec.155.1-2.	if applicable
WASTE DIVERSION	RECYCLING BY OCCUPANTS	SF Building Code AB-088	Provide adequate space and equal access for storage, collection, and loading of compostable, recyclable and landfill materials.	•
	CONSTRUCTION & DEMOLITION (C&D) WASTE MANAGEMENT	SFGBC 4.103.2.3	For 100% of mixed C&D debris use registered transporters and registered processing facilities with a minimum of 65% diversion rate.	•
HVAC	HVAC INSTALLER QUALS	CALGreen 4.702.1	Installers must be trained in best practices.	•
	HVAC DESIGN	CALGreen 4.507.2	HVAC shall be designed to ACCA Manual J, D, and S.	•
GOOD NEIGHBOR	BIRD-SAFE BUILDINGS	Planning Code sec.139	Glass facades and bird hazards facing and/or near Urban Bird Refuges may need to treat their glass for opacity.	•
	TOBACCO SMOKE CONTROL	Health Code art.19F	Prohibit smoking within 10 feet of building entries, air intakes, and operable windows and enclosed common areas.	•
POLLUTION PREVENTION	STORMWATER CONTROL PLAN	Public Works Code art.4.2 sec.147	Projects disturbing ≥5,000 sq.ft. in combined or separate sewer areas, or replacing ≥2,500 impervious sq.ft. in separate sewer area, must implement a Stormwater Control Plan meeting SFPUC Stormwater Management Requirements.	if project extends outside envelope
	CONSTRUCTION SITE RUNOFF	Public Works Code art.4.2 sec.146	Provide a construction site Stormwater Pollution Prevention Plan and implement SFPUC Best Management Practices.	if project extends outside envelope
INDOOR ENVIRONMENTAL QUALITY	AIR FILTRATION (CONSTRUCTION)	CALGreen 4.504.1	Seal permanent HVAC ducts/equipment stored onsite before installation.	•

VERIFICATION
Indicate below who is responsible for ensuring green building requirements are met. Projects that increase total conditioned floor area by ≥1,000 sq. ft. are required to have a Green Building Compliance Professional of Record as described in Administrative Bulletin 93. For projects that increase total conditioned floor area by <1,000 sq. ft., the applicant or design professional may sign below, and no license or special qualifications are required. FINAL COMPLIANCE VERIFICATION form will be required prior to Certificate of Completion
PROJECT NAME
BLOCK/LOT
ADDRESS
PRIMARY OCCUPANCY
GROSS BUILDING AREA
INCREASE IN CONDITIONED FLOOR AREA
I have been retained by the project sponsor to verify that approved construction documents and construction fulfill the requirements of San Francisco Green Building Code. It is my professional opinion that the requirements of the San Francisco Green Building Code will be met. I will notify the Department of Building Inspection if the project will, for any reason, not substantially comply with these requirements, if I am no longer the Green Building Compliance Professional of Record for the project, or if I am otherwise no longer responsible for assuring the compliance of the project with the San Francisco Green Building Code.
LICENSED PROFESSIONAL (sign & date) May be signed by applicant when <1,000 sq. ft. is added.
AFFIX STAMP BELOW:
Projects that increase total conditioned floor area by ≥1,000 sq.ft.: Green Building Compliance Professional of Record will verify compliance.
GREEN BUILDING COMPLIANCE PROFESSIONAL (name & contact phone #)
FIRM
<input type="checkbox"/> I am a LEED Accredited Professional <input type="checkbox"/> I am a GreenPoint Rater <input type="checkbox"/> I am an ICC Certified CALGreen Inspector
GREEN BUILDING COMPLIANCE PROFESSIONAL (sign & date)
Signature by a professional holding at least one of the above certifications is required. If the Licensed Professional does not hold a certification for green design and/or inspection, this section may be completed by another party who will verify applicable green building requirements are met.

FOR YOUR INFORMATION:	Indoor Water Efficiency	Water Efficiency of Existing Non-Compliant Fixtures																			
	Each fixture must not exceed CALGreen 4.303 maximum flow rates: <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>FIXTURE TYPE</th> <th>MAXIMUM FIXTURE FLOW RATE</th> </tr> </thead> <tbody> <tr> <td>Showerheads²</td> <td>2 gpm @ 80 psi</td> </tr> <tr> <td>Lavatory Faucets: residential</td> <td>1.2 gpm @ 60 psi</td> </tr> <tr> <td>Kitchen Faucets</td> <td>1.8 gpm @ 60 psi default</td> </tr> <tr> <td>Wash Fountains</td> <td>1.8 gpm / 20 [rim space (inches) @ 60 psi]</td> </tr> <tr> <td>Metering Faucets</td> <td>.20 gallons per cycle</td> </tr> <tr> <td>Tank-type water closets</td> <td>1.28 gallons / flush¹ and EPA WaterSense Certified</td> </tr> <tr> <td>Flushometer valve water closets</td> <td>1.28 gallons / flush¹</td> </tr> <tr> <td>Urinals</td> <td>Wall mount: 0.125 gallons / flush Floor mount: 0.5 gallons / flush</td> </tr> </tbody> </table>	FIXTURE TYPE	MAXIMUM FIXTURE FLOW RATE	Showerheads ²	2 gpm @ 80 psi	Lavatory Faucets: residential	1.2 gpm @ 60 psi	Kitchen Faucets	1.8 gpm @ 60 psi default	Wash Fountains	1.8 gpm / 20 [rim space (inches) @ 60 psi]	Metering Faucets	.20 gallons per cycle	Tank-type water closets	1.28 gallons / flush ¹ and EPA WaterSense Certified	Flushometer valve water closets	1.28 gallons / flush ¹	Urinals	Wall mount: 0.125 gallons / flush Floor mount: 0.5 gallons / flush	All fixtures that are not compliant with the San Francisco Commercial Water Conservation Ordinance that serve or are located within the project area must be replaced with fixtures or fittings meeting the maximum flow rates and standards referenced above. For more information, see the Commercial Water Conservation Program Brochure, available at SFDBI.org. NON-COMPLIANT PLUMBING FIXTURES INCLUDE: 1. Any toilet manufactured to use more than 1.6 gallons/flush 2. Any urinal manufactured to use more than 1 gallon/flush 3. Any showerhead manufactured to have a flow capacity of more than 2.5 gpm 4. Any interior faucet that emits more than 2.2 gpm Exceptions to this requirement are limited to situations where replacement of fixture(s) would detract from the historic integrity of the building, as determined by the Department of Building Inspection pursuant to San Francisco Building Code Chapter 13A.	NOTES: 1. For dual flush toilets, effective flush volume is defined as the composite, average flush volume of two reduced flushes and one full flush. The referenced standard is ASME A112.19.14 and USEPA WaterSense Tank-Type High Efficiency Toilet Specification – 1.28 gal (4.8L) 2. The combined flow rate of all showerheads in one shower stall shall not exceed the maximum flow rate for one showerhead, or the shower shall be designed to allow only one showerhead to be in operation at a time (CALGreen 5.303.2.1)
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