

GS4: San Francisco Green Building Submittal Form for Non-Residential Interior-Only Alteration Projects

INSTRUCTIONS:				NON-RESIDENTIAL INTERIOR-ONLY ALTERATION			REFERENCES	VERIFICATION
1. Select one (1) column to the right. For each applicable requirement in the column, indicate evidence of fulfillment in the References column. For items that are not applicable, indicate "N/A". 2. Provide project information in the Verification box at the right. 3. Submittal must be a minimum of 24" x 36".				A,B,E,F,H,L,I,M,S,U greater than \$200,000				PROJECT NAME <hr/> BLOCK/LOT <hr/> ADDRESS <hr/> PRIMARY OCCUPANCY <hr/> GROSS BUILDING AREA <hr/> Green Building Compliance Professional of Record for Architectural Measures <i>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, or if I am no longer the Green Building Compliance Professional of Record for the project.</i>
TITLE	SOURCE OF REQUIREMENT	DESCRIPTION OF REQUIREMENT	ARCHITECTURE	MECHANICAL	PLUMBING	DRAWING OR SPECIFICATION # (If not applicable, indicate "N/A".)	NAME	
MATERIAL EMISSIONS	LOW-EMITTING MATERIALS	CALGreen 5.504.4.1-6	Use products that comply with the emission limit requirements of 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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
WATER	INDOOR WATER USE REDUCTION	CALGreen 5.303.3, SF Building Code ch.13A	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). Large non-residential interiors projects must upgrade all non-compliant fixtures per SF Building Code ch.13A.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	WATER METERING	CALGreen 5.303.1	Provide submeters for spaces projected to consume >1,000gal/day (or >100gal/day in buildings >50,000 sq.ft).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
ENERGY	ENERGY EFFICIENCY	CA Energy Code	Comply with all provisions of the CA Energy Code.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	COMMISSIONING	CALGreen 5.410.4	All new HVAC equipment must be tested and adjusted.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
RESOURCE RECOVERY	RECYCLING BY OCCUPANTS	SF Building Code 106A.3.3, CalGreen 5.410.1, AB-088	Provide adequate space and equal access for storage, collection, and loading of compostable, recyclable and landfill materials. For help estimating adequate space for collection by hauler, see supporting materials including a design guide and calculator at: www.sfenvironment.org/refusecalculator.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	CONSTRUCTION & DEMOLITION (C&D) DISCARDS MANAGEMENT	SFGBC 4.103.2.3 & 5.103.1.3.1, CalGreen 5.405.1.1 Environment Code ch.14, SF Building Code ch.13B	100% of mixed debris must be taken by a Permitted Transporter to a Registered Facility for recycling and recovery. Complete Material Reduction and Recovery Plan and demonstrate minimum 65% recovery rate. For more information, see Information Sheet GB-02, or contact 415-355-3799 / debrisrecovery@sfgov.org.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
HVAC	REFRIGERANT MANAGEMENT	CALGreen 5.508.1	Use no halons or CFCs in HVAC.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
INDOOR ENVIRONMENTAL QUALITY	AIR FILTRATION (CONSTRUCTION)	CALGreen 5.504.1-3	Seal permanent HVAC ducts/equipment stored onsite before installation.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	AIR FILTRATION (OPERATIONS)	CALGreen 5.504.5.3	Projects must provide MERV-13 filters on HVAC for regularly occupied, actively ventilated spaces.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

MARK WHICH SCOPES ARE INCLUDED IN THIS SUBMITTAL →

FOR YOUR INFORMATION

Indoor Water Efficiency

Each fixture must not exceed CALGreen 5.303 maximum flow rates.

FIXTURE TYPE	MAXIMUM FIXTURE FLOW RATE
Showerheads ²	1.8 gpm @ 80 psi
Lavatory Faucets: non-residential	0.5 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
Metering Faucets: wash fountains	.20 gallons per cycle / 20 [rim space (inches) @ 60 psi]
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

NOTES:

- 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).
- 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)

Water Efficiency of Existing Non-Compliant Fixtures

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:

- Any toilet manufactured to use more than 1.6 gallons/flush
- Any urinal manufactured to use more than 1 gallon/flush
- Any showerhead manufactured to have a flow capacity of more than 2.5 gpm
- 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.

NAME

FIRM

ARCHITECTURAL OR ENGINEERING LICENSE

LICENSED PROFESSIONAL (sign & date)

AFFIX STAMP BELOW: