



Instructions for Green Building Submittals

Green Building Submittal Forms are provided in electronic format for your convenience via the Department of Building Inspection (DBI) website:
<https://www.sf.gov/departments/department-building-inspection>

Locating Documents

From the DBI website, navigate to “Building Permit Services”. Forms may be found via either of two options:

- Select “Building permit application forms”, and scroll to “Green Building forms”.
OR
- Select “Fill out the Green Building Forms”.

Both pages contain each Green Building Submittal Form as a single-page pre-formatted PDF file.

Green Building: Site Permit Submittal

When applying for a Site Permit, use Attachment C-2: Green Building Site Permit Submittal Form. A LEED or GreenPoint checklist is not required at Site Permit, but will be required with the superstructure addendum.

Single Page Submittal Templates (Recommended)

Pre-formatted forms are provided for single-sheet submittals. Follow the instructions on the form.

For GS-2 and GS-6, a LEED or GreenPoint checklist is required on a separate sheet.

- LEED checklists may be obtained via LEED Online or from usgbc.org/leed-tools/scorecard.
- A qualified GreenPoint Rater (as specified in the narrative of this bulletin) has the tools necessary to prepare a project-specific GreenPoint checklist for submittals. For more information – including guidelines and a list of all GreenPoint measures - please see: greenpointrated.com

Optional Custom Layouts

When necessary, such as cases where submittals must be split into multiple pages to maintain legibility, prepare separate electronic files containing each element of the Green Building Submittal template:

- Checklist of green building requirements with References sub-section indicating which drawings or specifications correspond to each requirement.
- “Verification” form

To be complete, a multi-page submittal must include completed versions of each of these three elements. The PDF Green Building Submittal Templates For separate electronic files, contact the Environment Department: greenbuilding@sfgov.org.

GS1: San Francisco Green Building Site Permit Submittal Form

INSTRUCTIONS:
 1. Select one (1) column to identify requirements for the project. For addition and alteration projects, applicability of specific requirements may depend upon project scope.
 2. Provide the Project Information in the box at the right.
 To ensure legibility of DBI archives, submittal must be a minimum of 24" x 36". A LEED or GreenPoint Rated Scorecard is not required with site permit application, but using such tools as early as possible is recommended.

CHECK THE ONE COLUMN THAT BEST DESCRIBES YOUR PROJECT →

Attachment GS2, GS3, GS4, GS5 or GS6 will be due with the applicable addendum. A separate "FINAL COMPLIANCE VERIFICATION" form will be required prior to Certificate of Completion. For details, see Administrative Bulletin 93. For Municipal projects, additional Environment Code Chapter 7 requirements may apply; see GS6.

			NEW CONSTRUCTION				ALTERATIONS + ADDITIONS					PROJECT INFO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PROJECT NAME
			LOW-RISE RESIDENTIAL	HIGH-RISE RESIDENTIAL	LARGE NON-RESIDENTIAL	OTHER NON-RESIDENTIAL	RESIDENTIAL MAJOR ALTERATIONS + ADDITIONS	OTHER RESIDENTIAL ALTERATIONS + ADDITIONS	NON-RESIDENTIAL MAJOR ALTERATIONS + ADDITIONS	FIRST-TIME NON-RESIDENTIAL INTERIORS	OTHER NON-RESIDENTIAL INTERIORS, ALTERATIONS + ADDITIONS	BLOCK/LOT
			R 1-3 Floors	R 4+ Floors	A, B, E, I, M 25,000 sq. ft. or greater	F, H, L, S, U or A, B, E, I, M less than 25,000 sq. ft.	R 25,000 sq. ft. or greater	R adds any amount of conditioned area	B, M 25,000 sq. ft. or greater	A, B, I, M 25,000 sq. ft. or greater	A, B, E, F, H, L, I, M, S, U more than 1,000 sq. ft. or \$200,000	ADDRESS
LEED/GPR	TITLE	SOURCE OF REQUIREMENT	DESCRIPTION OF REQUIREMENT	LEED SILVER (50+) or GPR (75+) CERTIFIED	LEED SILVER (50+) or GPR (75+) CERTIFIED	LEED GOLD (60+) CERTIFIED	n/r	LEED SILVER (50+) or GPR (75+) CERTIFIED	n/r	LEED GOLD (60+) CERTIFIED	LEED GOLD (60+) CERTIFIED	ADDRESS
	Required LEED or GPR Certification Level	SFBC 4.103.1.1, 4.103.2.1, 4.103.3.1, 5.103.1.1, 5.103.3.1 & 5.103.4.1	Project is required to achieve sustainability certification listed at right.									
	Adjustment for Retention/Demolition of Historic Features/Buildings	SFBC 4.104, 4.105, 5.104 & 5.105	Enter any applicable adjustments to LEED or GPR point requirements in box at right.									
MATERIAL EMISSIONS	LOW-EMITTING MATERIALS	CALGreen 4.504.2.1-5 & 5.504.4.1-6, SFGBC 4.103.3.2, 5.103.1.9, 5.103.3.2 & 5.103.4.2	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. Major alterations to existing residential buildings must use low-emitting coatings, adhesives and sealants, and carpet systems meeting GPR measures K2, K3 and L2 or LEED EQc2. New large non-residential interiors and major alterations to existing residential and non-residential buildings: interior paints, coatings, sealants, adhesives when applied on-site, flooring and composite wood must meet the requirements of LEED credit Low-Emitting Materials (EQc2).	4.504.2.1-5	4.504.2.1-5	LEED EQc2	5.504.4.1-6	LEED EQc2 or GPR K2, K3 & L2	4.504.2.1-5	LEED EQc2	LEED EQc2	5.504.4.1-6
	INDOOR WATER USE REDUCTION	CALGreen 4.303.1 & 5.303.3, SFGBC 5.103.1.2, SF Housing Code sec.12A10, SF Building Code ch.13A	Meet flush/flow requirements for: toilets (1.28gpf); urinals (0.125gpf wall, 0.5gpf floor); showerheads (1.8gpm); 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 projects must upgrade all non-compliant fixtures per SF Housing Code sec.12A10. Large non-residential interiors, alterations & additions must upgrade all non-compliant fixtures per SF Building Code ch.13A. New large non-residential buildings must also achieve minimum 30% indoor potable water use reduction as calculated to meet LEED credit Indoor Water Use Reduction (WEC2).			LEED WEC2 (2 pts)						
WATER	NON-POTABLE WATER REUSE	Health Code art.12C	New buildings ≥40,000 sq.ft. must calculate a water budget. New development projects ≥100,000 sq.ft. must install and operate an onsite water reuse system using available rainwater, graywater, and foundation drainage for toilet and urinal flushing and irrigation. See www.SFPUC.org for details.	n/r			n/r	n/r	n/r	n/r	n/r	n/r
	WATER-EFFICIENT IRRIGATION	Administrative Code ch.63	New construction projects with aggregated landscape area ≥500 sq.ft., or existing projects with modified landscape area ≥1,000 sq.ft. shall use low water use plants or climate appropriate plants, restrict turf areas and comply with Model Water Efficient Landscape Ordinance restrictions by calculated ETAF (.55 for residential, .45 for non-residential or less) or by prescriptive compliance for projects with ≤2,500 sq.ft. of landscape area. See www.sfwater.org for details.									
	WATER METERING	CALGreen 5.303.1, Plumbing Code 601.2.1	Provide submeters or utility meters for: Nonresidential spaces projected to consume more than 1,000 gal/day, or more than 100 gal/day if in buildings ≥ 50,000 sq. ft. AND each individual residential dwelling unit.					n/r	n/r			
ENERGY	ALL-ELECTRIC CONSTRUCTION	SFBC 106A.1.17	Newly constructed buildings must be all-electric, with no gas piping systems or infrastructure. See Administrative Bulletin 112 for details.					GPR: J5	n/r	n/r	n/r	n/r
	ENERGY DESIGN	CA Title 24 Part 6, SFGBC 4.201.3, 5.201.1.1	Comply with Title 24 Part 6 (2022) and meet GreenPoint Rated or LEED energy prerequisites. See Attachment H for details.									
	BETTER ROOFS	SFGBC 4.201.2 & 5.201.1.2, CA Energy Code 140.10(a-b), 150.1(s), 170.2(f-g)	Photovoltaics and battery energy storage systems are prescriptively required for common nonresidential occupancies per CA Energy Code 140.10(a-b) and multifamily per 170.2(f-g). PV is prescriptively required for single family per 150.1(c)14, along with wiring for future installation of energy storage systems per 150.0(s). If SFPUC Stormwater Requirements apply, each square foot of living roof contributing to Stormwater Management Ordinance compliance may reduce the Solar Access Roof Area by 1 square foot.			Applies to most types of A, B, I, E, M occupancies. See Energy Code 140.10(a).		n/r	n/r	n/r	n/r	n/r
	COMMISSIONING (Cx)	CALGreen 5.410.2 - 5.410.4.5.1	For projects ≥10,000 sq.ft. include Owners Project Requirements, Basis of Design, and commissioning plan in design & construction. Perform commissioning. Alterations & additions with new HVAC equipment must test and adjust all equipment.	n/r	n/r	LEED EAc1 opt. 1		n/r	n/r			
PARKING	BICYCLE PARKING	CALGreen 5.106.4, Planning Code 155.1-2	Provide short- and long-term bike parking equal to 5% of motorized vehicle parking, or meet SF Planning Code sec.155.1-2, whichever is greater.	SF Planning Code sec.155.1-2	SF Planning Code sec.155.1-2			if applicable SF Planning Code sec.155.1-2	if applicable SF Planning Code sec.155.1-2			if >10 stalls added
	WIRING FOR EV CHARGERS	SFGBC and CALGreen 4.106.4 (all sections) SFGBC and CalGreen 5.103.3 and 5.106.5 (all sections) SFGBC Table 5.106.5.3.1	New 1 - 2 Unit Dwellings: For projects constructing off-street parking, install at least one full circuit with a minimum 40A 208/240V capacity dedicated to EV charging with termination in close proximity to proposed EV charging location. New 3 - 19 Unit Multifamily and Hotels with less than 20 guest rooms: Provide low-power EV charging receptacles (min 20A 208/240VAC) at 25% of parking spaces (EV Ready), and install raceway capable of supporting future Level 2 EVSE (min 40A 208/240VAC) at 10% of parking spaces. (Total: 35%) New 20+ Unit Multifamily and Hotels: Provide low-power EV charging receptacles (min 20A 208/240VAC) at 25% of parking spaces (EV Ready); install raceway capable of supporting future Level 2 EVSE (min 40A 208/240VAC) at 5% of parking spaces; and install Level 2 EVSE at 5% of parking spaces. (Total: 35%) Multifamily Alterations: Install raceway for future Level 2 EVSE (min 40A 208/240VAC) terminating at 10% of parking spaces in areas where parking is added, or electrical systems (including lighting) are altered in existing parking facilities. Non-residential new construction and major alterations: Install raceway capable of supporting future Level 2 EVSE (min 40A 208/240VAC) and install Level 2 EVSE. See SFGBC Table 5.106.5.3.1 for minimum quantities. All of the above: Install service capacity and panelboards with sufficient space. Electrical load calculations must demonstrate the electric system, including any on-site distribution transformers, have sufficient capacity to simultaneously charge all required circuits at the full specified amperage. If the number of receptacles or EVSE installed is greater than the minimum required, Automated Load Management Systems may be used if the ALMS has capacity to deliver 3.3kW simultaneously to each EVCS, and the total capacity dedicated to EV charging is no less than the minimum required to serve the minimum number of EV Capable, EV Ready, and EVSE spaces combined. Construct all off-street light-duty vehicle parking spaces with dimensions capable of installing EVSE.					Applies to any multifamily alteration where: Off-street parking is added OR Electrical systems are altered in existing parking facilities		n/r		
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.									
	CONSTRUCTION & DEMOLITION (C&D) DISCARDS MANAGEMENT	SFGBC 4.103.2.3, 5.103.1.3.1, CALGreen, 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% or 75% recovery rate as noted at right. For more information, see DBI Information Sheet GB-02 or contact: debrisrecovery@sfgov.org / 415-355-3799.	≥65% diversion	≥75% diversion	≥75% diversion	≥65% diversion	≥65% diversion	≥65% diversion	≥65% diversion	≥75% diversion	≥65% diversion
HVAC	HVAC INSTALLER QUALS	CALGreen 4.702.1	Installers must be trained and certified in best practices.			n/r	n/r			n/r	n/r	n/r
	HVAC DESIGN	CALGreen 4.507.2	HVAC shall be designed to ACCA Manual J, D, and S.			n/r	n/r			n/r	n/r	n/r
	REFRIGERANT MANAGEMENT	CALGreen 5.508.1	Use no halons or CFCs in HVAC.	n/r	n/r			n/r	n/r			
GOOD NEIGHBOR	LIGHT POLLUTION REDUCTION	CA Energy Code, CALGreen 5.106.8	Comply with CA Energy Code for Lighting Zones 1-4. Comply with 5.106.8 for Backlight/Uplight/Glare.	n/r	n/r			n/r	n/r			
	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	CALGreen 5.504.7, Health Code art.19F	For non-residential projects, prohibit smoking within 25 feet of building entries, air intakes, and operable windows. For residential projects, prohibit smoking within 10 feet of building entries, air intakes, and operable windows and enclosed common areas.									
	SHADE TREES	CALGreen 5.106.12	Plant trees to sufficient to provide shade within 15 years for 20% of landscape and hardscape area. Exclude shade structures covered by photovoltaics or cool roof materials from total area calculation, including surface parking covered by PV.	n/r	n/r			n/r	n/r	n/r	n/r	n/r
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. See www.sfwater.org for details.					if project extends outside envelope	if project extends outside envelope	if project extends outside envelope	if project extends outside envelope	if project extends outside envelope
	CONSTRUCTION SITE RUNOFF CONTROLS	Public Works Code art.4.2 sec.146	Provide a construction site Stormwater Pollution Prevention Plan and implement SFPUC Best Management Practices. See www.sfwater.org for details.	if disturbing ≥5,000 sq.ft.		if disturbing ≥5,000 sq.ft.	if disturbing ≥5,000 sq.ft.	if project extends outside envelope	if project extends outside envelope	if project extends outside envelope	if project extends outside envelope	if project extends outside envelope
INDOOR ENVIRONMENTAL QUALITY	ACOUSTICAL CONTROL	CALGreen 5.507.4.1-3, SF Building Code sec.1207	Non-residential projects must comply with sound transmission limits (STC-50 exteriors near freeways/airports; STC-45 exteriors if 65db Leq at any time; STC-40 interior walls/floor-ceilings between tenants). New residential projects' interior noise due to exterior sources shall not exceed 45dB.					n/r	n/r			
	AIR FILTRATION (CONSTRUCTION)	CALGreen 4.504.1-3 & 5.504.1-3	Seal permanent HVAC ducts/equipment stored onsite before installation.									
	AIR FILTRATION (OPERATIONS)	CALGreen 5.504.5.3, SF Health Code art.38	Non-residential projects must provide MERV-13 filters on HVAC for regularly occupied, actively ventilated spaces. Residential new construction and major alteration & addition projects in Air Pollutant Exposure Zones per SF Health Code art.38 must provide MERV-13 filters on HVAC.	if applicable	if applicable			if applicable	n/r			
	CONSTRUCTION IAQ MANAGEMENT PLAN	SFGBC 5.103.1.8	During construction, meet SMACNA IAQ guidelines; provide MERV-13 filters on all HVAC.	n/r	n/r	LEED EQc3	n/r	n/r	n/r	n/r	n/r	n/r
RESIDENTIAL	ELECTRIC READY	SF Building Code 106A.1.17/ Admin Bulletin 112 Energy Code 150.0(t)-(v)	In isolated situations where natural gas may be permitted per Admin Bulletin 112, San Francisco Electric Ready Design Guidelines require wiring and electrical infrastructure for future conversion of all mixed-fuel loads to all-electric.					n/r	n/r	n/r	n/r	n/r
	GRADING & PAVING	CALGreen 4.106.3	Show how surface drainage (grading, swales, drains, retention areas) will keep surface water from entering the building.			n/r	n/r	if applicable	if applicable	n/r	n/r	n/r
	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.			n/r	n/r			n/r	n/r	n/r
	FIREPLACES & WOODSTOVES	CALGreen 4.503.1	Install only direct-vent or sealed-combustion, EPA Phase II-compliant appliances.			n/r	n/r			n/r	n/r	n/r
	CAPILLARY BREAK	CALGreen 4.505.2	Slab on grade foundation with vapor retarder requires capillary break, such as 4 inches 1/2-in aggregate & slab design by licensed professional.			n/r	n/r			n/r	n/r	n/r
	MOISTURE CONTENT	CALGreen 4.505.3	Wall and floor wood framing must have <19% moisture content before enclosure.			n/r	n/r			n/r	n/r	n/r
	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).			n/r	n/r			n/r	n/r	n/r

GS2: San Francisco Green Building Submittal Form for LEED or GreenPoint Rated Projects

INSTRUCTIONS:

- 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".
- Provide project information in the Verification box at the right.
- Attach LEED or GreenPoint Rated Scorecard on separate sheet.

Submittal must be a minimum of 24" x 36". First-time tenant improvements consisting of multiple permits totalling 25,000 square feet or greater must fulfill New Large Commercial Interior requirements.

CHECK THE ONE COLUMN THAT BEST DESCRIBES YOUR PROJECT →

				NEW CONSTRUCTION			ALTERATIONS + ADDITIONS			REFERENCES	VERIFICATION	
				LOW-RISE RESIDENTIAL R 1-3 Floors	HIGH-RISE RESIDENTIAL R 4+ Floors	LARGE NON-RESIDENTIAL A,B,E,I,M 25,000 sq.ft. or greater	RESIDENTIAL MAJOR ALTERATIONS + ADDITIONS R 25,000 sq.ft. or greater	NON-RESIDENTIAL MAJOR ALTERATIONS + ADDITIONS B,M 25,000 sq.ft. or greater	NEW LARGE COMMERCIAL INTERIORS B,M 25,000 sq.ft. or greater	DRAWING OR SPECIFICATION # (If not applicable, indicate "N/A".)	PROJECT NAME	BLOCK/LOT
LEED/GPR	Required LEED or GPR Certification Level	SFGBC 4.103.1.1, 4.103.2.1, 4.103.3.1, 5.103.1.1, 5.103.3.1 & 5.103.4.1									ADDRESS	PRIMARY OCCUPANCY
	Adjustment for Retention/Demolition of Historic Features/Building	SFGBC 4.104, 4.105, 5.104 & 5.105									GROSS BUILDING AREA	
	Points on Current Scorecard											
MATERIAL EMISSIONS	LOW-EMITTING MATERIALS	CALGreen 4.504.2.1-5 & 5.504.4.1-6, SFGBC 4.103.3.2, 5.103.1.9, 5.103.3.2 & 5.103.4.2	EQc2	K2, K3, L2	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. Major alterations to existing residential buildings must use low-emitting coatings, adhesives and sealants, and carpet systems that meet the requirements for GPR measures K2, K3 and L2 or LEED EQc2, as applicable. New large non-residential interiors and major alterations to existing residential and non-residential buildings must also use interior paints, coatings, sealants, and adhesives when applied on-site, flooring and composite wood that meet the requirements of LEED credit Low-Emitting Materials (EQc2).	4.504.2.1-5	4.504.2.1-5	LEED EQc2	LEED EQc2 or GPR K2, K3 & L2	LEED EQc2	LEED EQc2	
	INDOOR WATER USE REDUCTION	CALGreen 4.303.1 & 5.303.3, SFGBC 5.103.1.2, SF Housing Code sec.12A10, SF Building Code ch.13A	WEp2, WEC2	G2	Meet flush/flow requirements for: toilets (1.28 gpf); urinals (0.125 gpf wall, 0.5gpf floor); showerheads (1.8 gpm); lavatories (1.2 gpm private, 0.5 gpm public/common); kitchen faucets (1.8gpm); wash fountains (1.8 gpm); metering faucets (0.2 gpc); food waste disposers (1 gpm/8 gpm). Residential projects must upgrade all non-compliant fixtures per SF Housing Code sec.12A10. Large non-residential interiors, alterations & additions must upgrade all non-compliant fixtures per SF Building Code ch.13A. New large non-residential buildings must also achieve minimum 30% indoor potable water use reduction as calculated to meet LEED credit Indoor Water Use Reduction (WEC2).	4.303.1	4.303.1	LEED WEC2 (2 pts)	SF Housing Code sec.12A10	SF Building Code ch.13A if applicable	SF Building Code ch.13A if applicable	
WATER	NON-POTABLE WATER REUSE	Health Code art.12C	WEC2		New buildings ≥400,000 sq.ft. must calculate a water budget. New development projects ≥100,000 sq.ft. must install and operate an onsite water reuse system using available rainwater, graywater, and foundation drainage for toilet and urinal flushing and irrigation. See www.SFPUC.org for details.	n/r	•	•	n/r	n/r	n/r	
	WATER EFFICIENT IRRIGATION	Administrative Code ch.63	WEp1, WEC1		New construction projects with aggregated landscape area ≥500 sq.ft., or existing projects with modified landscape area ≥1,000 sq.ft., shall use low water use plants or climate appropriate plants, restrict turf areas and comply with Model Water Efficient Landscape Ordinance restrictions by calculated ETAF (.55 for residential, .45 for non-residential or less) or by prescriptive compliance for projects with ≤2,500 sq.ft. of landscape area.	•	•	•	•	•	•	
	WATER METERING	CALGreen 5.303.1, Plumbing Code 601.2.1	WEC4		Provide submeters or utility meters for: Nonresidential spaces projected to consume more than 1,000 gal/day, or more than 100 gal/day if in buildings ≥ 50,000 sq. ft. AND each individual residential dwelling unit.	•	•	•	n/r	•	•	
ENERGY	ALL-ELECTRIC CONSTRUCTION	SFBC 106A.1.17		J5	Newly constructed buildings must be all-electric, with no gas piping systems or infrastructure. See Administrative Bulletin 112 for details.	•	•	•	n/r	n/r	n/r	
	ENERGY DESIGN	CA Energy Code - In Entirety, and 150.0(t)-(v) SFBC 106A.1.17	EAp2, c2	J5	Comply with Title 24 Part 6 (2022) and meet GreenPoint Rated or LEED energy prerequisites. See Attachment H for details. In isolated situations where natural gas may be permitted per Admin Bulletin 112, San Francisco Electric Ready Design Guidelines require wiring and electrical infrastructure for future conversion of all mixed-fuel loads to all-electric.	•	•	•	•	•	•	
	BETTER ROOFS	SFGBC 4.201.2 & 5.201.1.2 CA Energy Code 140.10(a-b), 150.1(s), 170.2(f-g)	EAc5, EAc2	I3	Photovoltaics and battery energy storage systems are prescriptively required for common nonresidential occupancies per CA Energy Code 140.10(a-b) and multifamily per 170.2(f-g). PV is prescriptively required for single family per 150.1(c)14, along with wiring for future installation of energy storage systems per 150.0(s). If SFPUC Stormwater Requirements apply, each 1 square foot of living roof contributing to Stormwater Management Ordinance compliance may reduce the Solar Access Roof Area by 1 square foot.	•	•	•	n/r	n/r	n/r	
	COMMISSIONING (Cx)	CALGreen 5.410.2 - 5.410.4.5.1	EAp1, EAc1		For projects ≥10,000 sq.ft, include Owners Project Requirements, Basis of Design, and commissioning plan in design & construction. Perform commissioning. Alterations & additions with new HVAC equipment must test and adjust all equipment.	n/r	n/r	LEED EAc1 opt. 1	n/r	•	•	
PARKING	BICYCLE PARKING	CALGreen 5.106.4, Planning Code sec.155.1-2	LTc6	N3.5, N3.6	Provide short- and long-term bike parking equal to 5% of motorized vehicle parking, or meet SF Planning Code sec.155.1-2, whichever is greater.	Planning Code 155.1-2	Planning Code 155.1-2	•	Planning Code 155.1-2	•	•	
	WIRING FOR EV CHARGERS	SFGBC and CALGreen 4.106.4 (all sections) SFGBC and CALGreen 5.103.3 and 5.106.5 (all sections) SFGBC Table 5.106.5.3.1	LTc8		New 1 - 2 Unit Dwellings: For projects constructing off-street parking, install at least one full circuit with a minimum 40A 208/240V capacity dedicated to EV charging with termination in close proximity to proposed EV charging location. New 3 - 19 Unit Multifamily and Hotels with less than 20 guest rooms: Provide low-power EV charging receptacles (min 20A 208/240VAC) at 25% of parking spaces (EV Ready), and install raceway capable of supporting future Level 2 EVSE (min 40A 208/240VAC) at 10% of parking spaces. (Total: 35%) New 20+ Unit Multifamily and Hotels: Provide low-power EV charging receptacles (min 20A 208/240VAC) at 25% of parking spaces (EV Ready); install raceway capable of supporting future Level 2 EVSE (min 40A 208/240VAC) at 5% of parking spaces; and install Level 2 EVSE at 5% of parking spaces. (Total: 35%) Multifamily Residential Alterations: Install raceway for future Level 2 EVSE (min 40A 208/240VAC) terminating at 10% of parking spaces in areas where parking is added, or electrical systems (including lighting) are altered in existing parking facilities. Non-residential new construction and major alterations: Install raceway capable of supporting future Level 2 EVSE (min 40A 208/240VAC) and install Level 2 EVSE. See SFGBC Table 5.106.5.3.1 for minimum quantities. All of the above: Install service capacity and panelboards with sufficient space. Provide electrical load calculations demonstrating the electric system, including any on-site distribution transformers, has sufficient capacity to simultaneously charge all required circuits (including all raceways for circuits to be completed in the future) at the full specified amperage. If the number of receptacles or EVSE installed is greater than the minimum required, Automated Load Management Systems may be used if the ALMS has capacity to deliver 3.3kW simultaneously to each EVCS, and the total capacity dedicated to EV charging is no less than the minimum required to support the minimum EV Capable, EV Ready, and EVSE spaces. Construct all off-street light-duty vehicle parking spaces with dimensions capable of installing EVSE.	•	•	•	Applies to any multifamily alteration where: Off-street parking is added, OR Electrical systems are altered in existing parking facilities	•	n/r	
RESOURCE RECOVERY	RECYCLING AND COMPOSTING BY OCCUPANTS	SF Building Code 106A.3.3, CALGreen 5.410.1, AB-088	MRp1	M4	Provide adequate space and equal access for storage, collection, and loading of compostable, recyclable and landfill materials. To help estimate adequate space for collection by hauler, see supporting materials including a design guide and calculator at: www.sfenvironment.org/refusecalculator.	•	•	•	•	•	•	
	CONSTRUCTION & DEMOLITION (C&D) DISCARDS MANAGEMENT	SFGBC 4.103.2.3 & 5.103.1.3, CALGreen 4.408.2, 5.405.1.1 Environment Code ch.14, SF Building Code ch.13B	MRp2, MRC5	A2.1	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% or 75% recovery rate as noted at right. For more information, see DBI Information Sheet GB-02 or contact: debrisrecovery@sfgov.org / 415-355-3799.	≥65% diversion	≥75% diversion	≥75% diversion	≥65% diversion	≥65% diversion	≥75% diversion	
HVAC	HVAC INSTALLER QUALS	CALGreen 702.1			Installers must be trained and certified in best practices.	•	•	n/r	•	n/r	n/r	
	HVAC DESIGN	CALGreen 4.507.2			HVAC shall be designed to ACCA Manual J, D, and S.	•	•	n/r	•	n/r	n/r	
	REFRIGERANT MANAGEMENT	CALGreen 5.508.1	EAc6		Use no halons or CFCs in HVAC.	n/r	n/r	•	n/r	•	•	
GOOD NEIGHBOR	LIGHT POLLUTION	CA Energy Code	SSc6		Comply with CA Energy Code for Lighting Zones 1-4.	n/r	n/r	•	n/r	•	•	
	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	CALGreen 5.504.7, Health Code art.19F	EQp2		For non-residential projects, prohibit smoking within 25 feet of building entries, air intakes, and operable windows. For residential projects, prohibit smoking within 10 feet of building entries, air intakes, and operable windows and enclosed common areas.	•	•	•	•	•	•	
POLLUTION PREVENTION	SHADE TREES	CALGreen 5.106.12	SSc5		Plant trees to sufficient to provide shade within 15 years for 20% of landscape and hardscape area. Exclude shade structures covered by photovoltaics or cool roof materials from total area calculation, including surface parking covered by PV.							
	STORMWATER CONTROL PLAN	Public Works Code art.4.2 sec.147	SSc4	A6	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	if project extends outside envelope	if project extends outside envelope	
INDOOR ENVIRONMENTAL QUALITY	CONSTRUCTION SITE RUNOFF CONTROLS	Public Works Code art.4.2 sec.146	SSp1		Provide a construction site Stormwater Pollution Prevention Plan and implement SFPUC Best Management Practices. A Stormwater Pollution Prevention Plan is optional for GPR projects that disturb <5,000 sq.ft.	if disturbing ≥5,000 sq. ft.	•	if disturbing ≥5,000 sq. ft.	if project extends outside envelope	if project extends outside envelope	if project extends outside envelope	
	ACOUSTICAL CONTROL	CALGreen 5.507.4.1-3, SF Building Code sec.1207	EQc9		Non-residential projects must comply with sound transmission limits (STC-50 exteriors near freeways/airports; STC-45 exteriors if 65db Leq at any time; STC-40 interior walls/floor-ceilings between tenants). New residential projects' interior noise due to exterior sources shall not exceed 45dB.	•	•	•	n/r	•	•	
	AIR FILTRATION - CONSTRUCTION	CALGreen 4.504.1 & 5.504.1-3	EQc3		Seal permanent HVAC ducts/equipment stored onsite before installation.	•	•	•	•	•	•	
	AIR FILTRATION - OPERATIONS	CALGreen 5.504.5.3, Health Code art.38	EQc1		Non-residential projects must provide MERV-13 filters on HVAC for regularly occupied, actively ventilated spaces. Residential new construction and major alteration & addition projects in Air Pollutant Exposure Zones per SF Health Code art.38 must provide MERV-13 filters on HVAC.	if applicable	if applicable	•	if applicable	•	•	
RESIDENTIAL ONLY	CONSTRUCTION IAQ MANAGEMENT PLAN	SFGBC 5.103.1.8	EQc3		During construction, meet SMACNA IAQ guidelines; provide MERV-8 filters on all HVAC.	n/r	n/r	LEED EQc3	n/r	n/r	n/r	
	GRADING & PAVING	CALGreen 4.106.3			Show how surface drainage (grading, swales, drains, retention areas) will keep surface water from entering the building.	•	•	n/r	if applicable	n/r	n/r	
	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.	•	•	n/r	•	n/r	n/r	
	FIREPLACES & WOODSTOVES	CALGreen 4.503.1			Install only direct-vent or sealed-combustion, EPA Phase II-compliant appliances.	•	•	n/r	•	n/r	n/r	
	CAPILLARY BREAK	CALGreen 4.505.2			Slab on grade foundation with vapor retarder requires capillary break, such as 4 inches 1/2-in aggregate & slab design by licensed professional.	•	•	n/r	•	n/r	n/r	
	MOISTURE CONTENT	CALGreen 4.505.3			Wall and floor wood framing must have <19% moisture content before enclosure.	•	•	n/r	•	n/r	n/r	
BATHROOM EXHAUST	CALGreen 4.506.1			Must be ENERGY STAR compliant, ducted to exterior, and humidistat shall be capable of adjusting between <50% to >80% (Humidistat may be separate.)	•	•	n/r	•	n/r	n/r		

Option 1:
Verification of compliance for this project will be provided via USGBC/GBCI certification under the LEED rating system, or Build It Green under the GreenPoint Rated system. Green Building Compliance Professional of Record is not required.

PERMIT APPLICANT (sign & date)

Option 2: LEED GBCPR
Green Building Compliance Professional of Record will verify compliance.

NAME FIRM

ARCHITECTURAL OR ENGINEERING LICENSE

- I am a LEED Accredited Professional
 I have completed one or more LEED projects

I have been retained by the project sponsor to review all submittal documents and verify that all approved construction documents and construction fulfill the requirements of the San Francisco Green Building Code. It is my professional opinion that the requirements of the San Francisco Green Building Code will be met for the above referenced project. 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.

LICENSED PROFESSIONAL AFFIX STAMP BELOW:
(sign & date)

Option 3: GreenPoint Rated GBPCR
Green Building Compliance Professional of Record will verify compliance.

NAME FIRM

ARCHITECTURAL OR ENGINEERING LICENSE

- I am a GreenPoint Rater I am not a GreenPoint Rater
 I have completed one or more GreenPoint Rated projects

If the above licensed professional is not a Certified GreenPoint Rater, additional signature by a Certified GreenPoint Rater is required:

GreenPoint Rater (print name) (contact phone #)

(sign & date)

I have been retained by the project sponsor to review all submittal documents and verify that all approved construction documents and construction fulfill the requirements of the San Francisco Green Building Code. It is my professional opinion that the requirements of the San Francisco Green Building Code will be met for the above referenced project. 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.

LICENSED PROFESSIONAL AFFIX STAMP BELOW:
(sign & date)

GS3: San Francisco Green Building Submittal Form for Other Non-Residential Alterations, Additions & New Construction

INSTRUCTIONS: 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.				NEW CONSTRUCTION	ALTERATIONS + ADDITIONS	REFERENCES	VERIFICATION
Submittal must be a minimum of 24" x 36".				<input type="checkbox"/> OTHER NON-RESIDENTIAL F,H,L,S,U or A,B,E,I,M less than 25,000 sq.ft.	<input type="checkbox"/> OTHER NON-RESIDENTIAL ALTERATIONS + ADDITIONS A,B,E,F,H,L,I,M,S,U more than 1,000 sq.ft. or \$200,000	DRAWING OR SPECIFICATION # (If not applicable, indicate "N/A".)	PROJECT NAME <hr/> BLOCK/LOT <hr/> ADDRESS <hr/> PRIMARY OCCUPANCY <hr/> GROSS BUILDING AREA <hr/> Green Building Compliance Professional of Record will verify compliance.
CHECK THE ONE COLUMN THAT BEST DESCRIBES YOUR PROJECT →							
TITLE	SOURCE OF REQUIREMENT	DESCRIPTION OF REQUIREMENT					
MATERIAL EMISSIONS	LOW-EMITTING MATERIALS	CALGreen 5.504.4.1-6	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 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 alteration & addition projects must upgrade all non-compliant fixtures per SF Building Code ch.13A.	•	•		
	WATER-EFFICIENT IRRIGATION	Administrative Code ch.63	New construction projects with aggregated landscape area ≥500 sq.ft. or existing projects with modified landscape area ≥1,000 sq.ft., shall use low water use plants or climate appropriate plants, restrict turf areas and comply with Model Water Efficient Landscape Ordinance restrictions by calculated ETAF ≤.45 or by prescriptive compliance for projects with ≤2,500 sq.ft. of landscape area.	•	if applicable		
	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).	•	•		
ENERGY	ALL-ELECTRIC CONSTRUCTION	SFBC 106A.1.17	Newly constructed buildings must be all-electric, with no gas piping systems or infrastructure. See Administrative Bulletin 112 for details.	•	n/r		
	ENERGY DESIGN	Title 24 Part 6, SFGBC 5.201	Energy Design – All projects must comply with California 2022 Energy Standards. Mixed-fuel (with natural gas): In isolated situations where natural gas may be permitted per Admin Bulletin 112, comply with Electric Ready Design Guidelines, installing wiring and electrical infrastructure for future conversion of all mixed-fuel loads to all-electric	•	•		NAME <hr/>
	BETTER ROOFS	Energy Code 140.10(a-b), SFGBC 5.201.1.2	Photovoltaics and battery storage are prescriptively required by CA Energy Code. If SFPUC Stormwater Requirements apply, each square foot of living roof contributing to Stormwater Management Ordinance compliance may reduce the Solar Access Roof Area by 1 square foot.	•	n/r		FIRM <hr/>
	COMMISSIONING (Cx)	CALGreen 5.410.2-5.410.4.5.1	For projects ≥10,000 sq.ft, include OPR, BOD, and commissioning plan in design & construction. Commission to comply. Alterations & additions with new HVAC equipment must test and adjust all equipment.	•	•		ARCHITECTURAL OR ENGINEERING LICENSE <hr/>
PARKING	BICYCLE PARKING	CALGreen 5.106.4, Planning Code sec.155.1-2	Provide short- and long-term bike parking equal to 5% of motorized vehicle parking, or meet SF Planning Code sec.155.1-2, whichever is greater.	•	if >10 stalls added		<input type="checkbox"/> I am a LEED Accredited Professional
	WIRING FOR ELECTRIC VEHICLE CHARGING	SFGBC 5.106.5.3, CALGreen 5.106.5.3.1, 5.106.5.3.2	Install raceway capable of supporting future Level 2 EVSE (min 40A 208/240VAC) and install Level 2 EVSE. See SFGBC Table 5.106.5.3.1 for minimum quantities. (Requires EVSE in approx. 5% of total spaces, and raceway to additional 5% of spaces)	•	if >10 stalls added		<input type="checkbox"/> I am a GreenPoint Rater
	INFRASTRUCTURE FOR ELECTRIC VEHICLE CHARGING	CALGreen 5.103.3.3, 5.106.5.3	Install service capacity and panelboards with sufficient space. Electrical load calculations must demonstrate the entire electric system, including any on-site distribution transformers, has sufficient capacity to simultaneously charge all required circuits at the full specified amperage. If the number of receptacles or EVSE installed is greater than the minimum required, Automated Load Management Systems may be used. ALMS must have capacity to deliver 3.3kW simultaneously to each EVCS, and the total capacity dedicated to EV charging must be at a minimum equal to the minimum required number of EV Capable, EV Ready, and EVSE spaces at full specified amperage. Construct all off-street light-duty vehicle parking spaces with dimensions capable of installing EVSE.	•	n/r		<input type="checkbox"/> I am an ICC Certified CALGreen Inspector
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.	•	•		To the best of my knowledge, it is my professional opinion the green building requirements of the City of San Francisco will be met for the above referenced project. I have been retained by the project sponsor to review all submittal documents and verify that approved construction documents and construction properly reflect the requirements of the San Francisco Green Building Code. I will notify the Department of Building Inspection if I believe to the best of my knowledge that the project will, for any reason, not substantially comply with these green building requirements, or if I am no longer the Green Building Compliance Professional of Record for this project.
	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 or debrisrecovery@sfgov.org.	•	•		<hr/>
HVAC	REFRIGERANT MANAGEMENT	CALGreen 5.508.1	Use no halons or CFCs in HVAC.	•	•		<hr/>
GOOD NEIGHBOR	LIGHT POLLUTION REDUCTION	CA Energy Code, CALGreen 5.106.8	Comply with CA Energy Code for Lighting Zones 1-4. Comply with 5.106.8 for Backlight/Uplight/Glare.	•	•		LICENSED PROFESSIONAL (sign & date) <hr/>
	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.	•	•		AFFIX STAMP BELOW:
	TOBACCO SMOKE CONTROL	CALGreen 5.504.7	Prohibit smoking within 25 feet of building entries, air intakes, and operable windows.	•	•		
	SHADE TREES	CALGreen 5.106.12	Plant trees to sufficient to provide shade within 15 years for 20% of landscape and hardscape area. Exclude shade structures covered by photovoltaics or cool roof materials from total area calculation.	•	n/r		
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 disturbing ≥5,000 sq.ft. if project extends outside envelope		
INDOOR ENVIRONMENTAL QUALITY	ACOUSTICAL CONTROL	CALGreen 5.507.4.1-3	Comply with sound transmission limits (STC-50 exteriors near freeways/airports; STC-45 exteriors if 65db Leq at any time; STC-40 interior walls/floor-ceilings between tenants).	•	•		
	AIR FILTRATION (CONSTRUCTION)	CALGreen 5.504.1-3	Seal permanent HVAC ducts/equipment stored onsite before installation.	•	•		
	AIR FILTRATION (OPERATIONS)	CALGreen 5.504.5.3	Provide MERV-13 filters on HVAC for regularly occupied, actively ventilated spaces.	•	•		

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

INSTRUCTIONS: 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".				NON-RESIDENTIAL INTERIOR-ONLY ALTERATION <small>A, B, E, F, H, L, I, M, S, U greater than \$200,000</small>			REFERENCES	VERIFICATION																																	
MARK WHICH SCOPES ARE INCLUDED IN THIS SUBMITTAL →				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PROJECT NAME																																		
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%; padding: 5px;">TITLE</th> <th style="width: 15%; padding: 5px;">SOURCE OF REQUIREMENT</th> <th style="width: 75%; padding: 5px;">DESCRIPTION OF REQUIREMENT</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">MATERIAL EMISSIONS</td> <td style="padding: 5px;">LOW-EMITTING MATERIALS</td> <td style="padding: 5px;">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.</td> </tr> <tr> <td style="padding: 5px;">WATER</td> <td style="padding: 5px;">INDOOR WATER USE REDUCTION</td> <td style="padding: 5px;">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.</td> </tr> <tr> <td style="padding: 5px;"></td> <td style="padding: 5px;">WATER METERING</td> <td style="padding: 5px;">CALGreen 5.303.1 Provide submeters for spaces projected to consume >1,000gal/day (or >100gal/day in buildings >50,000 sq.ft).</td> </tr> <tr> <td style="padding: 5px;">ENERGY</td> <td style="padding: 5px;">ENERGY EFFICIENCY</td> <td style="padding: 5px;">CA Energy Code Comply with all provisions of the CA Energy Code.</td> </tr> <tr> <td style="padding: 5px;"></td> <td style="padding: 5px;">COMMISSIONING</td> <td style="padding: 5px;">CALGreen 5.410.4 All new HVAC equipment must be tested and adjusted.</td> </tr> <tr> <td style="padding: 5px;">RESOURCE RECOVERY</td> <td style="padding: 5px;">RECYCLING BY OCCUPANTS</td> <td style="padding: 5px;">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. 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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.		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).	ENERGY	ENERGY EFFICIENCY	CA Energy Code Comply with all provisions of the CA Energy Code.		COMMISSIONING	CALGreen 5.410.4 All new HVAC equipment must be tested and adjusted.	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. 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ARCHITECTURE	MECHANICAL	PLUMBING	DRAWING OR SPECIFICATION # (If not applicable, indicate "N/A".)	BLOCK/LOT
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	COMMISSIONING	CALGreen 5.410.4 All new HVAC equipment must be tested and adjusted.																																							
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.																																							
	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.																																							
HVAC	REFRIGERANT MANAGEMENT	CALGreen 5.508.1 Use no halons or CFCs in HVAC.																																							
INDOOR ENVIRONMENTAL QUALITY	AIR FILTRATION (CONSTRUCTION)	CALGreen 5.504.1-3 Seal permanent HVAC ducts/equipment stored onsite before installation.																																							
	AIR FILTRATION (OPERATIONS)	CALGreen 5.504.5.3 Projects must provide MERV-13 filters on HVAC for regularly occupied, actively ventilated spaces.																																							
				ADDRESS																																					
				PRIMARY OCCUPANCY																																					
				GROSS BUILDING AREA																																					
				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>																																					
				NAME																																					
				FIRM																																					
				ARCHITECTURAL OR ENGINEERING LICENSE																																					
				LICENSED PROFESSIONAL (sign & date)																																					
				AFFIX STAMP BELOW:																																					
				Green Building Compliance Professional of Record for Mechanical and/or Plumbing 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>																																					
				NAME																																					
				FIRM																																					
				ARCHITECTURAL OR ENGINEERING LICENSE																																					
				LICENSED PROFESSIONAL (sign & date)																																					
				AFFIX STAMP BELOW:																																					

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:

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)

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:

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.

GS5: San Francisco Green Building Submittal Form for Residential Alteration, Addition, and Accessory Dwelling Unit Projects

INSTRUCTIONS:

Fill out the project information in the Verification box at the right.
Submittal must be a minimum of 11" x 17".

OTHER RESIDENTIAL ALTERATIONS, ADDITIONS AND ACCESSORY DWELLING UNITS

VERIFICATION

adds any amount of conditioned area, volume, or size, OR a single freestanding unit accessory to an existing dwelling

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

	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).	•
MATERIAL EMISSIONS	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 (1.28 gpf); urinals (0.125 gpf wall, 0.5 gpf floor); showerheads (1.8 gpm); lavatories (1.2 gpm private, 0.5 gpm public/common); kitchen faucets (1.8 gpm); wash fountains (1.8 gpm); metering faucets (0.2 gpc); food waste disposers (1 gpm/8 gpm). 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. Freestanding ADU only: All-Electric is required by SF Building Code 106A.1.17.	•
PARKING	WIRING FOR EV CHARGERS	CalGreen 4.106.4.3	For alterations to multifamily, install raceway for future Level 2 EVSE (min 40A 208/240VAC) terminating at 10% of parking spaces in areas where parking is added, or electrical systems (including lighting) are altered in existing parking facilities.	Applies to alterations where: Off-street parking is added, OR Electrical systems are altered in existing parking facilities
	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
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.	•
	CONSTRUCTION & DEMOLITION (C&D) DISCARDS MANAGEMENT	Environment Code ch. 14 SFGBC 4.103.2.3 CalGreen 4.408.2, 4.408.5	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 DBI Information Sheet GB-02 or contact: debrisrecovery@sfgov.org or 415-355-3799.	•
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 AIR QUALITY	AIR FILTRATION (CONSTRUCTION)	CALGreen 4.504.1	Seal permanent HVAC ducts/equipment stored onsite before installation.	•

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

I am a LEED Accredited Professional

I am a GreenPoint Rater

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

Each fixture must not exceed CALGreen 4.303 maximum flow rates:

FIXTURE TYPE	MAXIMUM FIXTURE FLOW RATE
Showerheads ²	1.8 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

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 Residential 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 "Comply with water conservation requirements" available at SFGOV.

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.

GS6: San Francisco Green Building Submittal Form for Municipal Projects

INSTRUCTIONS:

- Select one (1) column to the right and check the appropriate box.
- For each requirement in the column, indicate evidence of fulfillment in the References column.
- Fill out the project information in the Verification box at the right.
- Attach LEED Scorecard on separate, subsequent sheet.
- Submittal shall be a minimum of 24" x 36".

For supporting resources, visit:
sfenvironment.org/chapter7 and
sf.gov/resource/2022/current-san-francisco-building-codes

CHECK THE ONE COLUMN THAT BEST DESCRIBES YOUR PROJECT →

* This form includes the requirements of San Francisco Green Building Code and Environment Code Chapter 7. Major Renovations as defined by Environment Code Chapter 7 also include Major Alterations as defined by SFGBC, where applicable.

				MUNICIPAL PROJECT			REFERENCES	VERIFICATION
				<input type="checkbox"/> NEW CONSTRUCTION & MAJOR RENOVATION*	<input type="checkbox"/> COMMERCIAL INTERIORS	<input type="checkbox"/> SMALL PROJECTS	DRAWING OR SPECIFICATION NUMBER (If not applicable, indicate "N/A".)	PROJECT NAME
				PROJECT GROSS FLOOR AREA:				BLOCK/LOT
				10,000 sq.ft. or greater	10,000 sq.ft. or greater	less than 10,000 sq.ft. or any not meeting LEED prerequisites		ADDRESS
				GOLD (60+) LEED BD+C	GOLD (60+) LEED ID+C	n/r		PRIMARY OCCUPANCY
				_____	_____	n/r		PROJECT GROSS FLOOR AREA
				_____	_____	n/r		LEED PROJECTS
				•	•	•	Projects ≥10,000 square feet	
				•	n/r	if new construction ≥2,000 sq.ft.	<i>I understand Environment Code Chapter 7 requires all applicable projects ≥10,000 square feet to attain LEED Gold certification from USGBC/GBCI. No Green Building Compliance Professional of Record is required.</i>	
				LEED EAp1, LEED EAc1 (3+ pts)	LEED EAp1, LEED EAc1 (4+ pts)	5.410.2 - 5.410.4.5.1		PROJECT MANAGER (name)
				•	any newly installed equipment	any newly installed equipment		PROJECT MANAGER (sign & date)
				•	•	•		PROJECT MANAGER AGENCY
				•	n/r	if new construction		NON-LEED PROJECTS
				new construction, or (per SFGBC) major alteration ≥25k sq ft	n/r	if new construction	Projects <10,000 square feet, receiving a waiver, or not meeting LEED MPR's	
				•	•	5.106.4	<i>This project is not required to obtain LEED certification because it is <10,000 square feet, does not meet LEED Minimum Program Requirements, and/or received a waiver from Environment Code Chapter 7 from the Director of Department of Environment. An informational LEED scorecard will be submitted to the Municipal Green Building Task Force at 100% concept design and as-built without requirement for further LEED documentation or certification.</i>	
				BD+C: MRc1, MRc5 ID+C: MRc2, MRc6	•	•		PROJECT MANAGER (name)
				MRp1	•	•		PROJECT MANAGER (sign & date)
				BD+C: MRc1, MRc2 ID+C: MRc2, MRc3	•	•		PROJECT MANAGER AGENCY
				BD+C: EAp4 ID+C: EAp3	•	•		Green Building Compliance Professional of Record
				BD+C: EQc9	•	limited to envelope additions & alterations		<i>I have been retained by the project sponsor to review all submittal documents and verify that all approved construction documents and construction fulfill the requirements of the 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.</i>
				EQc3	•	•		LICENSED PROFESSIONAL (sign & date)
				EQc1	•	•		AFFIX STAMP BELOW:
				EQc1	•	n/r		
				EQc3	•	•		
				EQc4	•	•		
				BD+C: MRc4/ ID+C: MRc5	•	•		
				BD+C: EQc2 MRc4/ ID+C: EQc2 MRc5	•	•		
				EQp2	•	•		
				SSc6 pilot credit	•	if applicable		
				BD+C: SSC5	•	n/r	n/r	
				BD+C: SSp1	if project disturbs ≥5,000 sq.ft.	if project disturbs ≥5,000 sq.ft.	if project disturbs ≥5,000 sq.ft.	
				BD+C: SSc4	if applicable	if applicable	if applicable	
				BD+C: WEp2, WEc2 ID+C: WEp1, WEc1	LEED WEp2, LEED WEc2 (2 pts)	LEED WEp1, LEED WEc1 (4 pts)	5.303.3	
				BD+C: WEp1 WEc1	•	•	•	
				BD+C: WEc4	•	•	•	
				BD+C: WEc3	•	n/r	n/r	
GREEN BUILDING RATING SYSTEMS	Required LEED Certification Level	Env Code 704(a)		Project is required to achieve sustainability certification listed at right.				
	LEED Point Adjustment for Retention/Demolition of Historic Features/Building LEED Points Shown on Current Scorecard	SFGBC 5.104		Enter any applicable point adjustments in box at right.				
	LEED Scorecard Submittals	Env Code 704(a)		Enter current expected LEED score in box at right.				
				For projects ≥10,000 sq.ft., submit LEED Scorecard to Municipal Green Building Task Force at 100% Conceptual Design, Schematic Design, Design Development, Construction Documents, and As-Built. For projects <10,000 sq.ft., submit LEED Scorecard to Municipal Green Building Task Force at 100% Conceptual Design and As-Built. LEED Online is an acceptable means of submittal.				
ENERGY OPTIMIZATION	Better Roofs	CA Energy Code 140.10(a-b) SFGBC 5.201.1.2	EAc2 (or various)	Photovoltaics and battery energy storage systems are prescriptively required for common nonresidential occupancies per CA Energy Code 140.10(a-b) and prescriptively required for multifamily per 170.2(f-g). If SFPUC Stormwater Requirements apply, each square foot of living roof contributing to Stormwater Management Ordinance compliance may reduce the Solar Access Roof Area by 1 sq ft.	•	n/r	if new construction ≥2,000 sq.ft.	
	Commissioning (Cx)	Env Code 704(b)(2) OR CALGreen 5.410.2-5.410.4.5.1	EAp1 EAc1	For projects ≥10,000 sq.ft., comply with LEED Cx requirements – OPR, BOD, systems testing, operations manual, and Enhanced and Monitoring-Based Commissioning. For projects <10,000 sq.ft. and all new equipment in alterations & additions, comply with 5.410.2-5.410.4.5.1 – test, adjust, and balance (TAB) all equipment.	LEED EAp1, LEED EAc1 (3+ pts)	LEED EAp1, LEED EAc1 (4+ pts)	5.410.2 - 5.410.4.5.1	
	All-Electric Building	Env Code 704(b)(3) and (4)		New construction and major renovation projects shall be all-electric. In alterations of any size, newly installed equipment shall be all-electric. Exceptions when necessary are available for processes separate from building systems such as vehicle fueling, existing equipment outside project scope, or fossil fuel-based emergency backup generation.	•	any newly installed equipment	any newly installed equipment	
	Electrification of Existing Building Systems	Env Code 704(b)(4)		When gas-using equipment/system is removed, it shall be replaced with electric equipment/systems. In alterations of any size, newly installed equipment shall be all-electric. Any upgraded electric service infrastructure shall be sufficient to accommodate the new equipment and future replacement and electrification of remaining gas-using equipment.	•	•	•	
	Energy Resilience	Env Code 704(b)(5) CA Energy Code, SFGBC 5.201	EAc5	New construction and major renovation of Critical Community Institutions (public safety facilities, health clinics, community centers, libraries, & emergency management facilities) shall install battery storage and photovoltaics sufficient to supply Tier 1 Emergency Loads and functions. All other new construction and major renovation projects that include both HVAC system replacement and electrical system upgrade shall install battery storage and photovoltaics sufficient to supply Tier 1 Emergency Loads and functions; OR be designed to achieve annual site zero net energy; OR achieve a design EUI 50% better than the national median site EUI; OR for a building with process loads that are at least 50% of the building's total energy use, exceed requirements of ASHRAE 90.1-2019 by 10%.	•	n/r	if new construction	
CLEAN TRANSPORT	Wiring for EV Charging	CalGreen 5.103.3 and 5.106.5 (all sections) SFGBC Table 5.106.5.3.1	LTc8	Construct all new off-street parking spaces for passenger vehicles and trucks with dimensions capable of installing EVSE (SFGBC 5.106.5.3). Install raceway capable of supporting future Level 2 EVSE (min 40A 208/240VAC) terminating close to the proposed EV charger location and install Level 2 EVSE. See SFGBC Table 5.106.5.3.1 for minimum quantities. (Note: Admin Code 4.10-1 requires 100% of purchases and leases of light duty vehicles for municipal use to be ZEV.) Install service capacity and panelboards with sufficient space. Electrical load calculations shall demonstrate the electric system, including any on-site distribution transformers, has sufficient capacity to simultaneously charge all required circuits at the full specified amperage. If the number of receptacles or EVSE installed is greater than the minimum required, Automated Load Management Systems may be used if the ALMS has capacity to deliver 3.3kW simultaneously to each EVCS, provided the total capacity dedicated to EV charging is no less than the minimum required to support the minimum EV Capable, EV Ready, and EVSE spaces combined. Construct all off-street light-duty vehicle parking spaces with dimensions capable of installing EVSE.	new construction, or (per SFGBC) major alteration ≥25k sq ft	n/r	if new construction	
	Bicycle Parking	CAL Green 5.106.4 Planning Code 155.1-3	BD+C: LTc6/ ID+C: LTc4	Provide short- and long-term bike parking equal to 5% of motorized vehicle parking, or meet SF Planning Code sec.155.1-3, whichever is greater.	•	•	5.106.4	
RESPONSIBLE PRODUCTION & CONSUMPTION	Waste Prevention	Env Code 704(c)(1) & 1402 SF Building Code.13B CalGreen 5.405.1.1	BD+C: MRc1, MRc5 ID+C: MRc2, MRc6	Minimize mixed debris by source-separating for reuse or recycling: concrete, metal, clean solid wood, clean and unpainted drywall, and carpet and carpet padding (at minimum). 100% of mixed debris shall 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 information, contact debrisrecovery@sfgov.org or 415-355-3799. Tenant improvements ≥10,000 sq.ft. shall generate less than 10 lbs/sq.ft. of waste from construction, deconstruction, and demolition activities. (New construction and renovations are encouraged to target >15 lbs/sq.ft.) SFO projects: follow SFO Sustainable Planning, Design & Construction Standards.	•	•	•	
	Material Reuse	Env Code 704(c)(2)		Before buying new furniture, fixtures, or equipment, the project team shall check the Virtual Warehouse for available items that meet their needs: sfenvironment.org/virtualwarehouse .	•	•	•	
	Recycling by Occupants	Env Code 704(c)(3) CALGreen 5.410.1	MRp1	Provide adequate space and access for storage, collection and loading of compostable, recyclable and landfill materials. For more info see Adequate Refuse Space Design Guide and calculator at: sfenvironment.org/refusecalculator	•	•	•	
	Embodied Carbon Reductions	Env Code 704(c)(4)	BD+C: MRc1, MRc2 ID+C: MRc2, MRc3	For projects ≥10,000 sq.ft., submit Embodied Carbon Reduction Strategies Checklist to Municipal Green Building Task Force at Schematic Design and As-Built. Permanently install at least 20 different products sourced from at least 5 different manufacturers that have an Environmental Product Declaration. New construction and major renovation projects ≥10,000 sq.ft. shall conduct a Life Cycle Assessment (LCA) and demonstrate at least 10% GWP reduction by addressing at least 3 product categories/building assembly types. Tenant improvements ≥10,000 sq.ft. shall either conduct an LCA and demonstrate at least 10% GWP reduction; OR demonstrate furniture/interior nonstructural elements reuse equivalent to at least 10% by cost.	•	•	•	
	Refrigerant Management	CALGreen 5.508.1	BD+C: EAp4 ID+C: EAp3	Use no halons or CFCs in HVAC.	•	•	•	
HUMAN & ENVIRONMENTAL HEALTH	Acoustical Control	CALGreen 5.507.4.1-3	BD+C: EQc9	Comply with sound transmission limits (STC-50 exteriors near freeways/airports; STC-45 exteriors if 65db Leq at any time; STC-40 interior walls/floor-ceilings between tenants).	•	limited to envelope additions & alterations	•	
	Air Filtration - Construction	CALGreen 5.504.1-3	EQc3	Seal permanent HVAC ducts/equipment stored onsite before installation.	•	•	•	
	Air Filtration - Operations	CALGreen 5.504.5.3	EQc1	Provide MERV-13 or finer filters on HVAC for regularly occupied, actively ventilated spaces. For project locations outside San Francisco, comply with local requirements if stricter.	•	•	•	
	Enhanced IAQ Strategies	Env Code 704(d)(1)	EQc1	Comply with entry, cross-contamination, filtration, natural ventilation, mixed-mode requirements.	•	•	n/r	
	Construction IAQ Management Plan	Env Code 704(d)(1)	EQc3	During construction, meet SMACNA IAQ guidelines; provide MERV-13 filters on all HVAC.	•	•	n/r	
	IAQ Assessment	Env Code 704(d)(1)	EQc4	Before occupancy, test air quality for particulates, ozone, CO, and all listed VOCs.	•	•	n/r	
	Product Ingredient Disclosure	Env Code.704(d)(2)	BD+C: MRc4/ ID+C: MRc5	For projects ≥10,000 sq.ft., permanently install at least 20 different products sourced from at least 5 different manufacturers that inventory ingredients constituting ≥1,000 ppm of each homogeneous material in the product.	•	•	•	
	Banned Substances	Env Code 509, 711, & Chapter 8		Specify no materials containing PVC, lead, or tropical hardwoods and virgin redwoods.	•	•	•	
	Low-Toxicity Materials	Env Code 704(d)(2)(B) CALGreen 5.504.4.1-6 Regulations: #SFE 2018-01-PPO #SFE 20-03-PPO #SFE 20-08-PPO #SFE 20-09-PPO	BD+C: EQc2 MRc4/ ID+C: EQc2 MRc5	Resilient flooring, coatings, and adhesives shall comply with Regulation #SFE 20-09-PPO, which incorporates the requirements of CalGreen 5.504.4.6. Resilient flooring includes all interior floor products other than carpet, edgings, bases, runners, stair coverings, and static control. Product maintenance shall not require use of strippers, sealants, or floor finishes. Carpet shall be commercial hard-backed carpet tiles and shall comply with Regulation #SFE 2018-01-PPO, which incorporates the requirements of CalGreen 5.504.4.4. Furniture if part of project scope shall comply with Regulation #SFE20-03-PPO. Composite wood products shall comply with the emission limits of CalGreen 5.504.4.5. Interior latex paints and primers for walls and ceilings shall comply with Regulation #SFE-20-08-PPO. All paints, primers and coatings shall comply with the emission limits of CalGreen 5.504.4.3. All other adhesives, sealants and caulks shall comply with CalGreen 5.504.4.1. See: sfenvironment.org/chapter7 for regulations and more information.	•	•	•	
	Tobacco Smoke Control	CALGreen 5.504.7 Health Code art.19F & art.19I	EQp2	In addition, for projects ≥10,000 sq.ft., use products that comply with LEED VOC, particulate emissions, and content requirements for paints, coatings, adhesives, sealants, flooring, composite wood, ceiling/wall/thermal/acoustic insulation, and furniture (where furniture is part of scope). In healthcare and school projects, also comply with LEED emissions & content requirements for exterior-applied products. Prohibit smoking within 25 feet of building entries, air intakes, and operable windows.	•	•	•	
Biodiversity & Wildlife Habitat	Env Code.704(d)(3)	SSc6 pilot credit	Apply San Francisco Biodiversity Guidelines, which facilitate maximization of biodiversity in the built environment by referencing relevant requirements (such as the Bird-Safe Building Ordinance), and providing design references (such as SF Plant Finder, Pest Prevention by Design, and SF Pollinator Portal). See: sfenvironment.org/biodiversityguidelines	•	if applicable	•		
Shade Trees	CALGreen 5.106.12	BD+C: SSC5	Plant trees to sufficient to provide shade within 15 years for 20% of landscape and hardscape area, including surface parking. Exclude shade structures covered by photovoltaics or cool roof materials from total area calculation, including surface parking covered by PV. (SFO projects: See SFO Sustainable Planning, Design & Construction Standards for guidance; aircraft safety supersedes this requirement.)	•	n/r	n/r		
WATER CONSERVATION	Construction Site Runoff	Public Works art.4.2 sec.146 Env Code 704(e)(1)	BD+C: SSp1	Submit a construction site Erosion and Sedimentation Control Plan to SFPUC for approval. For projects located outside San Francisco: comply with local requirements, or submit to SFPUC if no local requirement applies.	if project disturbs ≥5,000 sq.ft.	if project disturbs ≥5,000 sq.ft.	if project disturbs ≥5,000 sq.ft.	
	Stormwater Management	Public Works art.4.2 sec.147 Env Code 704(e)(2)	BD+C: SSc4	Projects disturbing ≥5,000 sq.ft. in combined or separate sewer areas, or replacing ≥2,500 impervious sq.ft. in separate sewer area, shall implement a Stormwater Control Plan meeting SFPUC Stormwater Management Requirements. For projects located outside San Francisco: comply with local requirements, or submit to SFPUC if no local requirement applies.	if applicable	if applicable	if applicable	
	Indoor Water Use Reduction	SFGBC 5.103.1.2, 5.303.3 Env Code 704(e)	BD+C: WEp2, WEc2 ID+C: WEp1, WEc1	Meet flush/flow requirements for: toilets (1.28gpf); urinals (0.125gpf wall, 0.5gpf floor); showerheads (1.8gpm); 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). Additionally, for projects ≥10,000 sq.ft., use minimum 30% less potable water as calculated using a baseline with toilets (1.6gpf); urinals (1.0gpf); showerheads (2.5gpm); lavatories (2.2gpm private, 0.5gpm public); kitchen faucets (2.2gpm).	LEED WEp2, LEED WEc2 (2 pts)	LEED WEp1, LEED WEc1 (4 pts)	5.303.3	
	Water Efficient Irrigation	Administrative Code ch.63	BD+C: WEp1 WEc1	New construction projects with aggregated landscape area ≥500 sq.ft., or existing projects with modified landscape area ≥1,000 sq.ft., shall use low water use plants or climate appropriate plants, restrict turf areas and comply with Model Water Efficient Landscape Ordinance restrictions by calculated ETAF ≤.45 or by prescriptive compliance for projects with ≤2,500 sq.ft. of landscape area.	•	•	•	
	Water Metering	CALGreen 5.303.1	BD+C: WEc4	For area of project, provide submeters for spaces projected to consume >1,000gal/day (or >100gal/day in buildings >50,000 sq.ft.).	•	•	•	
	Non-potable Water Reuse	Health Code art.12C	BD+C: WEc3	New buildings ≥40,000 sq.ft. shall calculate a water budget. New development projects ≥100,000 sq.ft. shall install and operate an onsite water reuse system using available rainwater, graywater, and foundation drainage for toilet and urinal flushing and irrigation.	•	n/r	n/r	