

Community Development Department

11 English Street Petaluma, CA 94952 http://cityofpetaluma.net

Building Division

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To schedule inspections: (707) 778-4479

RESIDENTIAL BATHROOM REMODEL

- 2016 California Residential Code (CRC)
- 2016 California Electrical Code (CEC)
- 2016 California Plumbing Code (CPC)

- 2016 California Energy Code (CEnC)
- 2016 California Green Code (CalGreen)
- 2016 California Mechanical Code (CMC)

Before approval and issuance of a building permit, applicant shall submit three (3) sets of plans (minimum size 11"x 17"), which are drawn to

- REQUIREMENTS FOR PERMIT SUBMITTAL scale (minimum 1/4":1 ft.), readable, legible, and include the following information: Title Sheet including the following: ☐ Existing Floor Plan for a floor/story where the remodeled bathroom is located. Specify the existing use of all rooms and Project address; and Owner contact information; areas. Contact information of the person preparing the plans, Proposed Bathroom Floor Plan showing type and location of Sheet index. proposed interior cabinetry, countertops, plumbing fixtures, Scope of work statement; etc. Include construction legend identifying and describing Building data like Occupancy, type of construction, new work and clearly showing the difference between the stories, square footage, and sprinkler. existing and proposed conditions. Vicinity map Electrical Plan, Lighting / Reflected Ceiling Plan (may be Site Plan/ Plot plan specify the lot dimensions and distances combined with floor plan) from the building to property lines and projections. (For Construction details for any new/reframed interior walls, addition only) interior/exterior openings, etc. MINIMUM REQUIREMENTS FOR BATHROOM ELECTRICAL. MECHANICAL AND PLUMBING SYSTEMS **ELECTRICAL** Bath and toilet rooms shall have an exhaust rate of 50 cfm intermittent or 25 cfm continuous. [CMC Table 403.7] At least one receptacle outlet shall be installed in Each bathroom, or room containing a bathtub, shower, or bathroom within 3'-0" from basin. At least one 20-ampere tub shower combination, shall be mechanically ventilated. branch circuit shall be provided to supply bathroom Unless functioning as a part of a whole house ventilation receptacle outlet(s). Bathroom outlets shall have GFCI system, fans must be controlled by a humidity control protection. [CEC 210.52(D), 210.11(C)(3) & 210.8(A)(1)] capable of adjustment between a relative humidity range All 125volt, 15-ampere and 20-ampere receptacles shall of ≤ 50 percent to a maximum of 80 percent. The control be listed tamper resistant. [CEC 406.12] may utilize manual or automatic means of adjustment. The ☐ Both new and modified branch wiring circuits shall have control may be a separate component or integral to the Arc-fault circuit protection for 120-volt, single phase, 15 exhaust fan. [CMC 402.5, CalGreen 4.506] and 20- ampere branch circuits supplying outlets in ☐ Bath and toilet room windows shall not be less than 3 dwellings. [CEC 210.12(A)] square feet, one half of which must be operable. [CRC No part of a hanging fixture is allowed closer than 8 feet above the tub rim or 3 feet horizontally from the tub rim, ☐ A bath exhaust fan, with back draft damper and humidity unless light fixture(s) in shower enclosure area is listed for control, is required regardless of the presence of a window damp areas or listed for wet locations. [CEC 410.10(D)] (room containing a bathtub, shower, spa or other similar All installed luminaires shall be high efficacy; either listed source of moisture). [CRC R303.3] by source type or by being JA8-2016 certified and labeled. Exhaust must vent to outdoor in an approved duct. [CEnC 150.0(k)1A] Terminate the outlet a minimum of 3 feet from an opening A minimum of one luminaire shall be installed in each or property line. [CMC 504.5] bathroom controlled by a vacancy sensor. Mechanical and gravity outdoor air intake openings shall Luminaires recessed into ceilings must meet all of the be located a minimum of 10 feet from any plumbing vents requirements for: insulation contact (IC) labeling; air and such opening shall be located a minimum of 3 feet leakage; sealing; maintenance; and socket and light below the contaminant source. [CRC R303.5] source as described in § 150.0(k)1C. Only JA8-2016-E Show fan/duct/vent termination locations. Indicate that fan certified and marked light source, rated for elevated and duct openings (environmental air ducts) shall
- temperature, must be installed by final inspection. [CEnC 150(k)1Cl All exhaust fans shall be switched separately from lighting
- systems. [CEnC 150(k)2B] For occupancies with a horizontal rated separation (floor/ceiling assembly), the recessed fixtures must be protected to the rating of the separation (1 hour) or be listed to the required protection. This generally applied to residential condominium construction where units are above or below other units.

MECHANICAL

openings. [CMC 504.1, 504.5, CPC 906.2] **PLUMBING** Bathrooms shall have a minimum ceiling height of 7 feet except at the center of the front clearance area for fixtures and at showers the ceiling height may be 6 feet 8 inches.

[CRC R305.1 and R305.1 Exception 2]

terminate at least three (3) feet from property lines or

openings into the building with back draft damper.

Plumbing vents within ten (10) feet of operable skylights

shall extend a minimum of three (3) feet above such

□ Provide safety glazing in walls enclosing tubs/showers where the bottom exposed edge of the glazing is less than 60" above a standing surface and drain inlet. [CRC R308.4.5]	clearance shall be maintained up to 70 inches of height above shower drain. Shower door to be tempered, and provide a min 22" clear unobstructed opening. [CPC 408.6]
Showers and tub shower combinations shall be provided with individual control valves of the pressure balance, thermostatic, or combination pressure balance and	 ✓ Plumbing fixtures and fixture fittings for persons with disabilities shall conform to CBC Chapters 11A or 11B for specific accessibly codes. [CBC 11A or 11B, 408.6]
thermostatic, or combination pressure balance and thermostatic types that provide scald and thermal shock protection. [CPC 408.3] Bathtub and shower floors, walls above bathtubs with a	 □ Where a fixture is installed on a floor level that is lower than the next upstream manhole cover of the public or private sewer (at basement), serving such drainage piping,
showerhead, and shower compartments shall be finished with a nonabsorbent surface (e.g., ceramic tile or fiberglass) over a moisture resistant underlayment (e.g.,	shall be protected from backflow of sewage by installing an approved type of backwater valve per [CPC 710.1] □ Drainage piping serving fixtures that are located below the
cement, fiber cement, or glass mat gypsum backer) extending to a height of not less than 6 feet above the	crown level of the main sewer (at basement) shall discharge into an approved water-tight sump or receiving tank, so located as to receive the sewage or wastes by
drain inlet. Water-resistant gypsum backing board shall not be used over a vapor retarder in shower or bathtub	gravity. [CPC 710.2]
compartments. [R702.3.8, R307.2]	WHIRLPOOL/ SPA TUBS
☐ Control valves and showerheads shall be located on the	☐ Whirlpool (Spa) bathtubs shall have a readily accessible
sidewall of shower compartments, arranged so that the showerhead does not discharge directly at the entrance to	access panel. [CPC 409.6]
the compartment so that the bather can adjust the valves	☐ The Circulation pump shall be located above the crown weir of the trap. [CPC 409.6]
prior to stepping into the shower spray. [CPC 408.9]	☐ The pump and the circulation piping shall be self-draining
☐ A minimum 12"x12" access panel is required when a slip	to minimize water retention in accordance with standards
joint p-trap waste & overflow is provided. [CPC 402.11]	referenced in Table 14-1. [CPC 409.6]
 Site built shower stalls shall be water tested before close- in. [CPC 408.0]. 	BIDETS
☐ When additional water closets (toilets) are installed, a	☐ The water supply to bidets shall be protected with air gap
maximum of 3 water closets are allowed on a 3" waste	or vacuum breaker. [CPC 410.2 & 603.3.5]
line.[CPC Table 703.2]	The maximum hot water temperature discharging from a bidet is limited to 110 degrees by a device that conforms
☐ The hot water control shall be installed on the left side of	to ASSE 1070, Standard for Water Temperature Limiting
lavatory faucet. [CPC 417.5] Fixture water consumption:	Devices, or CSA B125.3, Standard for Plumbing Fittings.
✓ Residential lavatory faucets shall not have a flow rate of	The water heater thermostat shall not be considered a
greater than 1.2 gpm and Kitchen faucets 1.8 gpm at 60	control for meeting this provision. [CPC 410.3]
	SMOKE & CARBON MONOXIDE ALARMS
psi. [CPC 407.2.1]	
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