



PLAN REVIEW APPROVAL

2017 Bathroom Remodel Based on 2016 Codes

Project Address:	Date:	
Project Name / Description: Remodel existing bathroom no roof bearing.	Plan / Permit No.:	Review No.: PC-1
Applicant's Name / Company:	Phone No.: (916)	
Designer's Name / Company:	Phone No.: (916)	
Reviewed by: Bill Miller	Phone No.: (916) 478-2214	

PROJECT SUMMARY

OCCUPANCY GROUP(S)	TYPE(S) OF CONSTRUCTION	BUILDING / TENANT AREA (FT ²)	SPRINKLERED	STORIES
R-3	VB		N/A	N/A

TYPE OF REVIEW

FIRE & LIFE SAFETY	ENERGY: ENV / MECH / LTNG	ACCESSIBILITY: SITE / BUILDING	M / E / P	STRUCTURAL
WHM	WHM	N/A	WHM	WHM

GENERAL COMMENTS: Ok to issue permit provided construction is verified in the field. Items highlighted in bold are new to 2016 Codes. WHM

1. The min. finished interior area of a shower must be at least 1024 square inches with a minimum dimension of 30". The shower walls shall be finished with a hard, non-absorbent surface to a height of not less than 72". **2016 CRC R307.2**
2. Water resistant gypsum backer board used as the base or backer for adhesive application of ceramic tile or other required nonabsorbent finish material shall conform to ASTM C 1178, C 1278 or C 1396. Use of water-resistant gyp board is permitted on ceilings with framing 12" o.c. for 1/2" thick and 16" o.c. for 5/8" thick. Water resistant gyp board shall not be used over a Class I or II vapor barrier in tub or shower compartments. **2016 CRC R702.3.7**
3. No water closet or bidet shall be set closer than fifteen inches from its center to any side wall or obstruction or closer than 30 inches center to center to any similar fixture. The clear space in front of any water closet, **lavatory (New 2016)** or bidet shall be not less than 24 inches. **CRC R307.1 & CPC 402.5**
4. Environmental air duct exhaust for bathroom exhausts shall terminate 3' from property lines, 10 feet from a forced air inlet, and 3' from any openings into the building. **Environment air duct shall not discharge onto a public way. (New 2016) CMC 502.2.1** Exhaust ducts shall provide 50 cfm minimum

5. A ground fault circuit interrupter (GFCI) is required for all 15 and 20-amp receptacles installed in bathrooms. Receptacles shall be within 3' of each sink or centered between two sinks if applicable. **2016 CEC 210.8 and 210-52**
6. **All installed luminaires shall be high efficacy in accordance with table 150.0-A. In garages, bathrooms, laundry rooms, and utility rooms at least one luminaire in each of these spaces shall be controlled by a vacancy sensor. 2016 Energy Code 150 (k) 1, 2(J) (New 2016)**
7. Bathroom receptacles are to be supplied by at least one 120 volt, 20-amp branch circuit. This circuit shall have no other outlets. **2016 CEC 210.11 (C) (3)**
8. Carbon monoxide alarms required by **section R315.2.1 and R315.2.2 of the 2016 CRC** shall be installed outside each sleeping area in the vicinity of the bedrooms and on each floor level and **in a bedroom that contains a fuel-burning appliance. (New 2016 Code)**
9. Smoke alarms required by **section R314 of the 2016 CRC** shall be installed outside each sleeping area in the vicinity of the bedrooms, on each floor level and inside each sleeping room, **and not less than 3 feet horizontally from the door or opening of a bathroom that contains a bathtub or shower unless this would prevent the placement of smoke alarm as noted above. (New 2016 Code)**

2013 CALIFORNIA GREEN BUILDING STANDARD CODE: Section 4.303 of 2016 CGBS

1. Water Closets shall have an effective flush volume of 1.28 gallons per flush or less.
2. Showerheads (single) shall have a maximum flow rate of 2.0 gallons per minute at 80 psi. Multiple shower heads serving one shower shall not exceed 2.0 gallons per minute at 80 psi.
3. Residential lavatory faucet shall have a flow rate not to exceed **1.2 gallons (New 2016)** per minute at 60 psi and not less than 0.8 gallons per minute at 20 psi min.

Contractor's Signature _____

Complete Water Conservation Handout form for construction prior to January 1, 1994 per SB 407 for remaining fixtures within the house.