



**DEPARTMENT OF PUBLIC WORKS  
Building and Safety Division**

**Paul A. Fillebrown**  
Director

**Richard S. Graves, C.B.O.**  
Deputy Building Official

2222 "M" Street, 2<sup>nd</sup> Floor  
Merced, CA 95340  
(209) 385-7477  
(209) 385-7302 Fax  
[www.co.merced.ca.us](http://www.co.merced.ca.us)

*Equal Opportunity Employer*

## RESIDENTIAL PLAN CHECK LIST (NOT ALL INCLUSIVE)

Group "R" Division 3

Plan Check Sheet Number \_\_\_\_\_

Date \_\_\_\_\_

Applicant \_\_\_\_\_

Checked by \_\_\_\_\_

Address \_\_\_\_\_

UBC Edition \_\_\_\_\_

***Circled Item No. indicates additional information required or a correction.***

**Legend:**

B=Uniform Building Code

P=Uniform Plumbing Code

F=Uniform Fire Code

M=Uniform Mechanical Code

E=National Electrical Code

No.	Code Section	ITEM TO BE CHECKED
1.	State Law	Signature of person preparing plans on all sheets.
2.	State Law State Law State Law	Address on first sheet. Site address. Mailing address.
3.	Zoning	Plot plan—show setbacks, scale.
4.	Planning	Zoning approved.
5.	F.E.M.A.	Flood prone areas.
6.	Environmental Health	Sewer or ISDS
7.	Additional Fees	Fire fees, law enforcement, schools, bridge, and thoroughfare.
8.	Flood Control	Public Works approval of drainage.
9.	B302.4, ex 3	Fire Wall (1 hour) Specify materials: 1 s.c. door with closure.

10.	B310.4	Emergency Exit (sleeping rooms) Door or windows—min. net width 20", height 24", openable area 5.7 sq. ft.
11.	B310.4	Sill Height (sleeping rooms)—max. 44" above floor.
12.	B310.6.1	Ceiling Height.
13.	B310.6.2	Floor area (min. habitable). One room 120 sq. ft., others 70 sq. ft.
14.	B310.6.3	Room Width (min 7' habitable except kitchen). B3304(b) corridor width (min. 36").
15.	B1203.2 B1203.3	Light and ventilation—1/10 floor area (min 10 sq. ft.) light. 1/20 floor area ventilation or see Item 16.
16.	B1203.3	Mechanical Ventilation—min. 2 air changes per hour, 1/5 of air supply from outside (habitable rooms).
17.	B1203.3	Bath and Laundry (mechanical)—1/20 floor area (min. 1½ sq. ft.) or 5 air changes per hour from exterior. Discharge 3' from window or openings.
18.	B2904	Water closet compartment—30" min. width, 24" front clearance.
19.	B2902.6	Lavatory required with water closet.
20.	P405.2	Tub Access—12" x 12" or specify material.
21.	B807.1.3	Shower Walls—specify materials.
22.	B2406.4.5 B2407 P410.4	Shower and tub enclosure; —or: Temp. glass—door must swing outward (22" min. width). Shower—min. 30" inside dimension (min. 1,024 sq. in.).
23.	B1004.6 B T-10-A	Exit Door—min. 3' wide. 2 exits if over 3,000 sq. ft.
24.	B2406.4	Safety Glazing within 24 in. of doors (closed); glass doors and windows within 12" of doors; windows within 18" of walking surface; windows in tub enclosure, below 60" from walking surface.
25.	B310.9.1	Smoke detector audible in all sleeping rooms, each sleeping room, hall, permanent wiring, battery backup, check ceiling change, watch vaulted ceilings.
26.	B1505.1	Attic access—22" x 30" w/30" headroom.
27.	B2317.3	Underfloor access—18" x 24"; 30" x 30" if mechanical equipment is underfloor.
28.	State Law	Energy requirements—see attached check sheet.
29.	E250-81 & 83	Sub panel locations—electrical service—size—grounding.
30.	E210-52	Receptacles, lights, switches—show location.
31.	E210-8(a)	Exterior receptacles—provide GFI waterproof.

32.	E210-8(a)	Bath—provide GFI—two outlets on double lav.
33.	E210-8(a)	Garage—receptacle (GFI) 18” above floor and light required.
34.	E210-70(a)	Mechanical “room”—switched lighting outlet and receptacle required.
35.	M504.3	Dryer duct—maximum length 14’ with 2-90’s—backdraft damper req.
36.	M906.1	Range clearance—per mfg. specs and 24” min to hood—30” without hood.
37.	P509, M304.5	Gas burning appliances—not allowed in bedroom, bath, or closet. Flame up to 18” in garage. (Wall heater OK in bedroom, direct vent only.)
38.	M304.7	Heating—furnace rm. 12” wider than heater, 3” min. side/back; 6” min. in front.
39.	P511	Water heater—min. 2’ door.
40.	P507	Combustion Air—min. 100 sq. in., within 12” of floor and ceiling (equally divided).
41.		Roof mounted A/C—method of support.
42.	M307.3	Attic mounted appliances—equip. within 20’ of access door.
43.		Roof framing—trusses—see attached check sheet.
44.	B2326.12	Roof framing (conventional): Rafter—size and location; Ridge and valley and hip—size and location; Purlin—size and location; Rafter ties—4’ o.c.
45.	B1507	Roof covering—Class C min., S.R.A. to Fire Department.
46.	Zoning	Roof projection (allowable zoning)—include method of support at gable ends.
47.	B2326.12, B2326.9	Sheathing—roof. Also see 2322. Floor. Also see 2322.
48.	B2326.12.2	Ceiling joists—size, spacing, and direction.
49.	B2326.11.6	Headers and beams—size and grade.
50.	B2313	Glu-lam certificate before installation.
51.	P Appen. “D” B1506	Roof drainage and overflow—water accumulation.
52.	B1505.3	Attic ventilation.
53.	B2326.11	Studs—size, height, spacing, and bracing.
54.	B2320	Wall covering—specify type.
55.	B2317.5	Columns and posts—anchorage and protection.

56.	B2324	Post to beam connections—show connection.
57.	B2326.11.3	Lateral bracing—req. at all elevations and floor or foundation plan.
58.	B2326.7 B2326.8 B2326.8.6 B2517.8 B2317.7	Wood floor. Girders—size, spacing, and support; Floor joists—size, spacing, and support; Blocking; Wood/Earth separation—specify dimensions. Underfloor Ventilation—1 sq. ft. vent per 150 sq. ft. floor area.
59.	B2326.11.2	Bearing walls.
60.	B2317.12	Plywood exposed to weather.
61.	B2326.11	Cutting, notching, and boring.
62.	B1505.2	Draft stops.
63.	B2317.4	Grade of plates, sills, and sleepers—pressure treated or rnd. grade redwood.
64.	B1806.6	Plate and sill anchorage— $\frac{1}{2}$ " x 10" A.B. at 6' o.c. Power driven fastener—show spacing both interior and exterior. ICBO #. Pinn #.
65.	B1924	Slab floor— $3\frac{1}{2}$ " min. thickness.
66.	B1806.1 B T-18-I-A	Footings: Height above grade—6" minimum. Depth—1 storey = 12"; 2 storey = 18". Width—1 storey = 12"; 2 storey = 15".
67.	B Chapt. 31	Fireplaces.
68.	B2317.7	Foundation vents—1 sq. ft./150 sq. ft. of area.
69.	B1006	Handrails/Guardrails—34"-38" above tread in height, less than 4" opening.
70.	B1006	Stairways—min. 36" wide, 4" min. rise, 8" max. rise. 9" min. run, 6'8" min. headroom.
71.	B509	Guardrails—36" high min., less than 4" opening.
72.	B708.2	Fireblocking at stairways, drop ceilings, etc.
73.	B1006.7	Landings—req. if over 1" stepdown in direction of swing.
74.	CA1403A.6.4	Veneer ties—1 per sq. ft., 9 gauge wire, flashing and foundation.
75.	B2317.8	Planter boxes—2" air space, flashing.
76.	F901.4.4	Address—plainly visible from street