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2016 CRC, CBC
Residential Shower Compartments/Tile Lath

Tile Lath for wet locations:

Water resistant gypsum backing board shall not be used where there will be direct exposure to water, or in areas subject to continuous high humidity. As of January 1, 2008, per CBC 2509.2 all paper-backed gypsum board products such as "Green board", "Purple board" and "Mold Resistance board" is prohibited in shower and tub compartments and shall not be used as a backer for tile lath or concrete/hardy board. R702.3.7.

Tile Lath: Showers in all occupancies shall be finished to a height of not less than 72" above the drain inlet. CBC 1210.2.3, R307.2

Water-resistant gypsum board shall not be used in the following locations:

- Over vapor retarder
- In shower or bathtub compartments
- In areas subject to continuous high humidity, such as saunas, steam or gang showers.
- On ceilings where frame spacing exceeds 12" on center for ½" wall board and more than 16" on center for 5/8" water-resistant drywall.

Shower and tub compartment approved tile backer methods:

- Fiberglass mat backer board (DensShield, GlasRoc). Do not install a water-resistive vapor barrier behind fiberglass mat backer board.
- Cement and fiber-cement backer boards (Hardi-backer, Glas-crete, Durarock). A water resistive vapor barrier is required behind cement board, minimum Grade B paper.
- Mortar backed lath & plaster. A water resistive vapor-permeable barrier, minimum Grade B paper is required behind lath.

Required tile lath inspections:

- Screw inspection for tile backer board
- Water barrier and lath inspection. When possible combine shower pan inspection with tile lath inspection.

Other shower compartment minimum requirements:

Shower compartments shall have a minimum finished interior of 1024 square inches and be capable of encompassing a 30" circle, maintained to a point of not less than 70 inches above the drain outlet. CPC 408.6

A shower or tub equipped with a showerhead shall have a minimum ceiling height of 6 feet 8 inches above a minimum area 30 inches by 30 inches at the showerhead. R305.1 exception 2.

For stall showers, provide a receptor in compliance with CPC section 408, with minimum slope from the sides towards the drain not less than ¼ inch per foot and not more than ½ inch per foot.

Thresholds shall be of sufficient width to accommodate a minimum 22-inch door. The immediate adjoining space to showers without thresholds shall be considered a wet location and shall comply with the requirements of the CRC, CBC & CEC.

Safety Glazing is required in walls containing or facing, bathtubs or showers where the bottom exposed edge of the glazing is less than 60 inches measured vertically above any standing or walking surface unless more than 60 inches measured horizontally from the water's edge. R308.4.5

Provide maximum flow rate of all showerheads not to exceed 2.0 gallons per minute at 80 psi. 2016 CALGreen 301.1.1, 4.303.1.3.1 (Multiple showerheads, 4.303.1.3.2)

Receptacles require GFCI protection where installed within 6 ft of the outside edge of the sink or within 6 ft of bathtub/shower stalls. CRC 210.8(A)(1) through (10).

Provide Energy Star compliant Bathroom mechanical exhaust fans with manual or automatic humidity controls capable of adjusting a relative humidity range of not less than 50 percent to a maximum of 80%. CALGreen 4.506.1