

## REQUIREMENTS FOR HOT-TUB / SPA INSTALLATIONS

The hot-tub installer is responsible for assuring that all of the code requirements below are met. The installation requires that both a building permit and an electrical permit be pulled. The hot tub building permit must be issued before the electrical permit may be issued. The building permit fee is \$50.00 and the electrical permit fee is \$77.63. Both the final building and final electrical inspections must be called in for the same day and after all of the work is complete.

### THESE REQUIREMENTS ARE TO REMAIN ON THE JOB SITE AND SERVE AS AN INTEGRAL PART OF THE APPROVED PLANS FOR THIS INSTALLATION

1. BARRIERS FOR POOLS, SPAS, & HOT TUBS. (2012 International Residential Code Appendix G)

Any exterior installation that is accessible from grade by means of a stairway or where the deck surface is less than 48 inches above grade at any point must have a barrier which complies with Appendix G AG 105.2 or provide a LISTED SAFETY COVER: A self-contained spa or hot-tub equipped with a listed safety cover meeting the requirements of ASTM standard F-1346 is exempt from the above barrier requirements. This standard must be permanently affixed to the cover for inspector approval.

2. GUARDRAIL EXTENSIONS:

In addition to the guardrail requirements of Section 1, if the edge of the hot tub is within 18" horizontally of the edge of the deck that is more than 30 inches from grade at any point, the guardrail must be extended to 18" above the top of the hot tub cover.

3. SAFETY GLAZING IN PROXIMITY TO HOT-TUBS / SPAS (2012 IRC R308.4.5)

Existing or new glazing in walls and fences where the bottom exposed edge of the glazing is less than 5' measured vertically above any standing or walking surface shall be considered a hazardous location and therefore require safety glazing. This shall apply to single glazing and all panes in multiple glazing. Glazing that is more than 5', measured horizontally and in a straight line, from the water's edge of a hot tub/spa is not considered hazardous and does not require safety glazing.

4. ELECTRICAL INSTALLATIONS: (ARTICLE 680, 2017 NEC)

- All hot tub installations require a separate electrical permit to be pulled by a registered licensed electrical contractor or by the homeowner after passing the homeowner electrical test. This electrical permit can be issued only **after the hot tub permit is issued.**
- Outdoor installations shall comply with Article 680, parts 1 & 2 and 680-40 & 680-42 as follows:  
A receptacle outlet shall be installed on the property. It must be located a minimum of 6 feet and a maximum of 20 feet from the inside wall of the tub/spa. All outlets within 20 feet of the tub/spa shall be GFI protected. Lighting fixtures shall not be installed within 5 feet of the tub/spa as measured horizontally from the inside wall of the tub/spa. Branch circuit wiring per 680.21, and feeders per 680.25.
- Indoor installations shall comply with Article 680-40 and 680-43
- Maintenance disconnect to be located 5' or greater from hot tub and within sight. Article 680-12

5. IF PROPERTY IS ON A WELL:

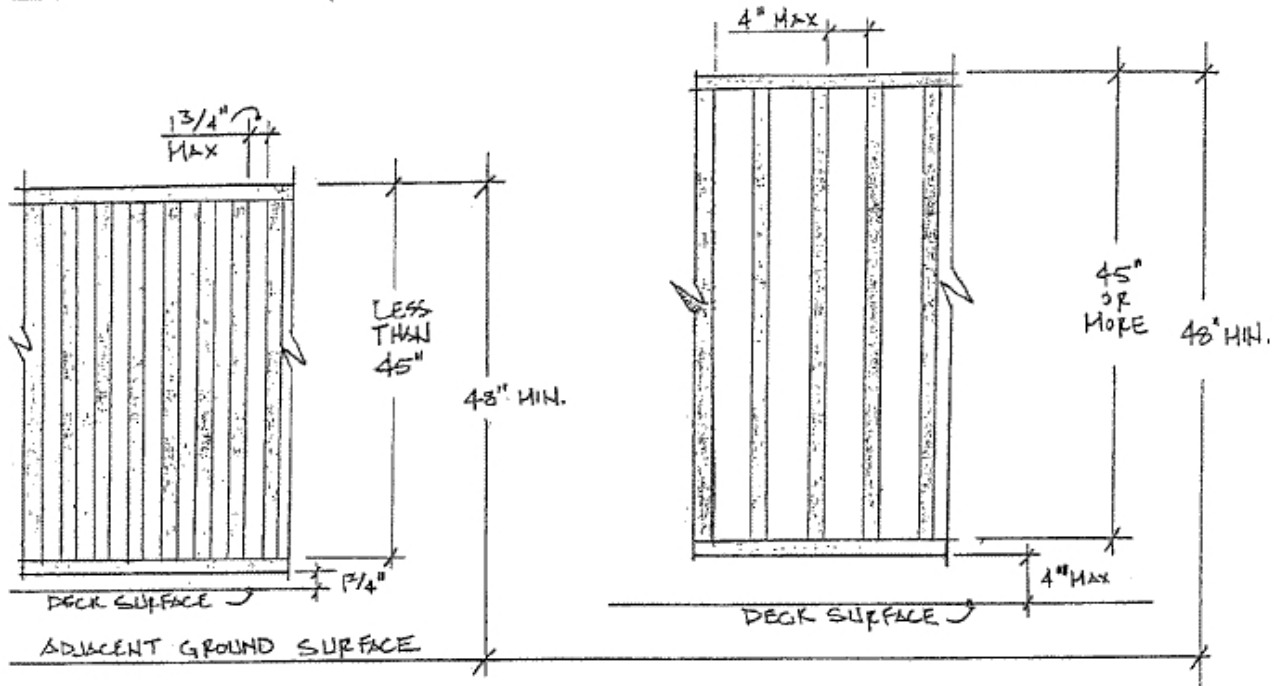
Water augmentation may be required to fill an outdoor hot tub with water. Confirmation of adequate water rights is the responsibility of the homeowner. Please contact the Colorado Division of Water Resource-Ground Water Information Desk at 303-866-3587 for further information.

6. CARBON MONOXIDE DETECTORS:

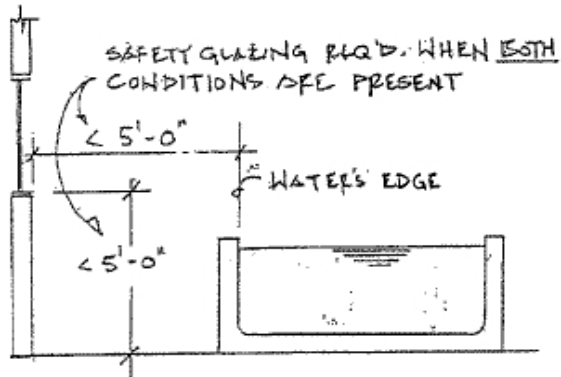
Every single family dwelling unit that includes either fuel fired appliances or an attached garage where interior alterations, repairs, fuel fired appliance replacements, or additions, any of which require a building permit, occurs or where one or more rooms used for sleeping purposes are added shall have an operational **carbon monoxide alarm** installed within fifteen feet of the entrance to each sleeping room. The listed carbon monoxide alarm may be powered by the building wiring, directly plugged into an electrical outlet without a switch (other than a circuit breaker), or is battery powered. Colorado House Bill 09-1091 and IRC R315.

**PLEASE SEE THE BACK OF THIS PAGE FOR EXPLANATORY ILLUSTRATIONS**

HOT-TUB BARRIERS:



SAFETY GLAZING:



GUARD RAIL EXTENSIONS:

