



HOT TUB & SPA INSTALLATIONS (RESIDENTIAL)

REFERENCE: City of Marion Code of Ordinances Chapter 162 and the 2020 National Electrical Code, Article 680 2021 International Swimming Pool and Spa Code

PERMITS REQUIRED: A building, electrical, and possibly a plumbing permit are required for the installation of all hot tubs and spas. Zoning rules and life safety issues need to be followed.

This brochure is to be used as a guide and may not cover all of the requirements.

OUTDOOR HOT TUB/SPAS

- Provide a dimensioned site plan indicating where the hot tub or spa will be located in relation to the home and property lines. *Property line setbacks are required to comply with the zoning ordinance.*
- A 4' fence/barrier with a lockable gate is required around the hot tub/spa or yard. See "Swimming Pool" brochure for barrier guidelines. A locking, safety cover which complies with ASTM F 1346 will be accepted in lieu of a fence.
- If a hot tub/spa is installed on a deck, additional structural requirements are needed.
- All glazing within 60 inches of the water's edge and less than 60 inches above the water level shall be safety glazed.
- Hot tubs/spas shall not be located over or within 5' horizontally of any underground wiring measured from the inside wall of the hot tub/spa.
- Overhead electrical service lines or broadband communication systems shall not be within 10' horizontally of the inside walls of the hot tub/spa unless they are 22.5 feet above the water level.
- A maintenance disconnecting means shall be located at least 5 feet horizontally from the inside walls of the hot tub/spa.
- At least one 15- or 20-ampere GFCI protected receptacle on a general branch circuit shall be located not less than 6 feet or more than 20 feet from the inside edge of the hot tub/spa. The receptacle shall not be located more than 6'-6" above the platform grade or platform.
- All 15- or 20-ampere 125-volt receptacles within 20' of the inside wall of the hot tub/spa shall be GFCI protected.
- Switches shall not be closer than 5 feet from the inside wall of the tub or spa.

- New lighting or ceiling fans installed above the water or the area extending 5 ft. horizontally from the inside walls shall be installed not less than 12 ft. above the maximum water level.
- New lighting or ceiling fans installed between 5 ft. and 10 ft. horizontally from the inside walls of the pool must be GFCI protected unless they are installed more than 5 ft. above the water level.
- Existing lighting located less than 5 feet measured horizontally from the inside walls of the pool shall not be less than 5 feet above the maximum water level and be GFCI protected.
- Low voltage lighting must not be closer than 10 ft. of the hot tub/spa even if GFCI protected.
- Circulation equipment receptacles can be located as close as 6 ft. from the hot tub/spa if the receptacle is a single twist locking type and GFCI protected.
- Any metal surfaces within 5' feet shall be bonded to the hot tub/spa.

INDOOR HOT TUB/SPA

- Provide a dimensioned floor plan showing the location of the hot tub/spa in the home. Include location of windows, doors, electrical switches, receptacles, and lighting. Additional floor support may be necessary.
- All glazing within 60 inches of the water's edge of the hot tub/spa **and** less than 60 inches above the water level shall be safety glazed.
- All receptacles shall be located at least 6' from the inside walls of the spa/hot tub.
- At least one GFCI protected receptacle shall be located not less than 6 ft. and not more than 10 ft. from the inside wall of the hot tub/spa.
- Power to the hot tub/spa shall be GFCI protected.
- All switches shall be located at least 5 feet from the inside walls of the hot tub/spa.
- All 125-volt, and 30-ampere or less, receptacles within 10 ft. of the inside walls of the hot tub/spa shall be GFCI protected.
- Listed hot tub/spa packaged units rated 20 amperes or less shall be permitted to be cord-and-plug connected.
- Luminaires (fixtures), lighting outlets, ceiling fans – if located over or within 5' from the inside walls of the hot tub/spa shall comply with the following clearances measured from the maximum water level.
 1. **Without GFCI protection.** Mounting height above max. water level is 12 feet.
 2. **With GFCI protection.** Mounting height shall not be less than 7 ft. 6 in..
 3. **Below 7 ft. 6 in.** Luminaires protected by GFCI and meeting the following requirements can be installed below 7 ft. 6 in.

- Recessed luminaires with a glass or plastic lens, nonmetallic or electrically isolated metal trim, and suitable for use in damp locations.
- Surface-mounted luminaires (fixtures) with a glass or plastic globe, a nonmetallic body, or a metallic body isolated from contact and suitable for use in damp locations.
- Bonding – A solid #8 AWG wire shall bond all metal parts or surfaces within 5' of the inside walls of the spa/hot tub. Examples:
 - Metal fittings within or attached to the spa/hot tub.
 - Electrical equipment associated with the water circulating system (pump motors, filters).
 - *Exception: Metal parts of self-contained spa or hot tub do not have to be bonded.*

