



PUBLIC/COMMERCIAL POOL/SPA/WATER FEATURE GUIDELINE

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Public/Commercial swimming pools, spas, water features and/or similar uses shall be designed in accordance with the International Swimming Pool and Spa Code (ISPSC), International Building Code (IBC), International Energy Conservation Code (IECC), Uniform Plumbing Code (UPC), Article 680 of the National Electric Code (NEC) and ICC/ANSI A117.1. **All** public/commercial swimming pool, spa, water feature and/or similar use applications shall be submitted for plan review.

In addition to a completed permit application, the following items shall also be required:

1. Architectural drawings.

- a. The following items shall be uploaded into the architectural bucket:
- b. If application is for a pool, designate the classification as defined in the ISPSC i.e. Class A, Class B etc.
- c. A dimensioned site plan, indicating streets, alleys, easements, parking spaces, location, size and use of all structures on the lot. The site plan shall be drawn to scale and identify the location, shape & size of the pool, spa, water feature etc., pool equipment (whether outside or in a pool equipment room/enclosure), property lines, lot dimensions and distance to property lines & all other structures. Indicate site accessibility from all habitable buildings on site to the pool, spa, water feature etc. Specify any special features i.e. accessibility equipment, slides, diving boards/platforms, faux and/or real boulders, grottos, sunken areas etc.
- d. 2 cross sectional views (1 lengthwise & 1 widthwise) indicating adjacent grades, barriers, stairs/ladders, handrails, depths, special features (benches, raised bond beams/sheer descents, handholds etc.).
- e. Occupant loads for the pool, spa, water feature etc. and surrounding deck area(s) as calculated based on IBC requirements.
- f. Plumbing fixture analysis specifying the required number of each fixture i.e. water closets, lavatories, showers, drinking fountains etc. based on the calculated occupant loads.
- g. Barrier requirements – including egress requirements from the surrounding deck areas.
- h. Accessibility into/out of the pool, spa, water feature etc. and surrounding deck areas.
- i. Restroom and/or bathing/changing room location(s) and accessibility to these facilities.
- j. If designed for diving, clearly indicate the minimum water diving envelope in both plan and cross sectional views.

2. Electrical drawings.

- a. The following items shall be uploaded into the electrical bucket:
- b. Location & size of the main service panel (MSP) and location & size of pool subpanel.
- c. Load calculations for the MSP and pool subpanel.

- d. Equipment location & size and product specifications.
 - e. Size and type of conduit & wiring.
 - f. Bonding.
 - g. Means of illumination.
 - h. Emergency disconnect location.
3. Plumbing/Mechanical drawings.
- a. The following items shall be uploaded into the plumbing bucket:
 - b. Means of adding make-up water and backflow prevention.
 - c. Means of drainage.
 - d. Gas line to all pool heating equipment.
 - e. Circulation system and turnover rate.
 - f. Equipment & product specifications including any special features i.e. accessibility equipment, slides, diving boards/platforms etc.
 - g. Suction entrapment.
4. Structural documents:
- a. Plan view indicating pool layout, dimensions, detail references and any special features i.e. slides, diving boards/platforms, faux and/or real boulders, grottos, raised bond beams etc.
 - b. Supporting calculations, reinforcing steel schedule and details including any special features i.e. slides, diving boards/platforms, faux and/or real boulders, grottos, sunken areas etc.
 - c. Soils report if not designed for worst case in accordance with CLV Administrative Code.
5. A copy of the approved submittal from the Southern Nevada Health District (SNHD).
6. If any of the aforementioned required submittal items/documents have been reviewed, approved and inspected under a separate permit, the approved documents shall be provided with the pool, spa, water feature etc. submittal. These documents shall be submitted indicating the CLV approval stamp, marked as "For Reference Only" and shall indicate the approved application number in which they were reviewed and inspected.