



**Boulder County
Land Use Department
Publications**

Pool and Spa System Checklist

Land Use Department
Courthouse Annex Building
2045 13th Street
PO Box 471
Boulder, CO 80302

**Building Safety &
Inspection Services:**
Phone: 303-441-3926

Email: building_official@bouldercounty.org
Website: www.bouldercounty.org/lu

Office Hours:

8 a.m.-4:30 p.m. Mon., Wed., Thurs., Fri.
10 a.m.-4:30 p.m. Tuesday

Building Permits can be applied for
and issued until 4 p.m.

Pool and Spa System Checklist

2015 ISPSC (International Swimming Pool and Spa Code) and 2015 IRC Chapter 11 (Boulder County BuildSmart Code)

Pool and spa applications are reviewed by the county plans examiners. The following checklist shall be submitted with your plans. Each item on the list shall be marked to verify it is part of the submittal. Incomplete information may result in plan rejection or delay in the approval of your project.

Plan Submittal Requirements

Provide the following information:

1. A completed application form. Include a description of the proposed pool/spa system. Indicate if the pool/spa and equipment is located Indoors or outdoors. If energy offsets are required, how the energy offset will be achieved.
2. An application deposit (the balance of fees is due at the time of permit issuance).
3. Two complete sets of plans and a digital copy of the PDF files are to be submitted to Building Safety and Inspection Services for plan review.

Note: For factory built CEC Title 20 compliant spa tubs see page 2.

Site Plan

- Show dimensions between structures and property lines.
- Show the location and dimensions of Pool/Spa
- Pool Barrier and gate locations. (if proposed)
- If the pool cut is proposed to remain on site. Clearly show the proposed location and gradient for the spread. See Grading Plan on page 2.
- Pool equipment.
- New electrical panels or disconnects.
- Existing utility easements.
- New exterior lighting (including low voltage).

Note: Provide cut sheets for proposed exterior light fixtures.

Floor Plan – Equipment Within a Building

- A floor plan showing the location of all equipment within structures.
- Label all new or existing equipment with descriptions. Label the use of the room in which the equipment is placed.
- Show service clearances of the equipment.

(Plan Submittal Requirements continued on page 2)

Pool Equipment Requirements

Provide the following general information and product listing sheets:

- Pool engineering with original signature and seal on plan.
- Pool design detail must demonstrate compliance with the 2015 ISPSC. All equipment and materials to comply with Chapter 11 reference Standards.
- Heaters – N1103.10.1 and Table N1103.15.1 Minimum Equipment Efficiency Values
- Control modules – N1103.2
- Automatic Covers – N1103.10.3 & ASTM 1346
- Filters – N1103.10.4
- Pumps – N1103.10.5
- A complete one line pool mechanical drawing
- Pool Entrapment – APSP7
- Dimensioned section and elevation drawings for the pool barrier (to meet 2015 ISPSC section 305) to include:
 - Materials.
 - Connections.
 - Gate detail.

Exceptions:

1. Spas and hot tubs with a lockable safety cover that complies with ASTM F 1346.
2. Swimming pools with a powered safety cover that complies with ASTM F 1346.

More information about pool barrier requirements can be found on our Swimming Pools, Spas, & Hot Tub publication **B26 Swimming Pools**.

- Skimmers – 315 listed and labeled to NSF 50.

Additional for Commercial Applications:

- Heaters, time switches, covers – IECC C404.9
- Commissioning – IECC C404.11
- Accessibility and usability – ICC A117.1-2009, 1109

Electrical Requirements

- One line electrical bonding diagram to include:
 - All pool equipment.
 - Pool/spa shell and deck.
 - Ladders, diving boards, automatic covers and lighting.
- Cut sheets for proposed bonding lugs.
- Locking covers.

BuildSmart Compliance

View 2015 IRC Chapter 11 Compliance (Boulder County BuildSmart Code) on www.bouldercounty.org

- A completed energy offset form **B51 Renewable Energy Offset**

Note: If a Solar PV or Thermal system is required for energy off-set per IRC N1103.12 and or N1103.13, the applications for these systems must be made (reviewed and approved) prior to the Pool/Spa permit being issued. A final inspection for the proposed system(s) must be completed, prior to the pool/spa completing final inspections.

If a boiler is used for Pool/Spa heating, solar thermal systems (as part of an offset) must be used for domestic use only.

Notes: Separate permits are required for:

- Solar Thermal Systems.
- Solar PV Systems.

Note: Ground mounted solar systems require a Site Plan Review Waiver approval.

Grading Plan

Provide the following information:

- Grading narrative, to describe the volume of pool/spa cut and its proposed disposition.
- If the pool/spa cut is proposed to be spread onsite, clearly show the areas on the site plan and the gradient thickness of the spread.

Note: A separate grading permit and planning process is required for grading in excess of 50 cubic yards (combined cut and fill).

- If the cut is proposed to be trucked offsite and out of Boulder County to a landfill, receipt for its acceptance will be required prior to final inspections.
- If the cut is proposed to be trucked offsite and deposited within Boulder County (and is more than 50 cubic yards), a grading permit by the recipient would be required.

Plans required for Factory Built CEC Title 20 compliant Spa Tubs (less than 64 sq. ft. of surface area):

- Site plan or floor plan showing spa location.
- Product listing sheet for the specific model of Spa appliance.
- Product listing sheet for the required insulated cover (minimum R-value of 12).

Note: An ASTM F 1346 locking cover or a pool barrier per 2015 ISPSC section 305 is required (see Land Use publication **B26 Swimming Pools, Spas, & Hot Tubs**).