

CITY OF PALOS VERDES ESTATES

(burn all pages onto construction plans)

PERMIT APPLICATION WORKSHEET/BUILDING PLAN CHECK

Address of Job _____ Must be a C-53 license
Contractor lic. # _____

Homeowner name _____ Homeowner phone # _____

Contact email: _____

Description of work Pool / Spa sq ft: _____

Conditions of approval _____

Valuation _____

Structural Fees _____

Electrical Fees _____

Geology Fees _____

Mechanical Fees _____

Plumbing Fees _____

Plan Check Fees _____

SB 1473 Fee _____

Planning Review Fee _____

Issuance Fee _____

Total Fees _____

The following stamps are needed for approval:

Soils/Geology Homes Association Architect Engineer

Signed Approval _____
(OK to issue permit with signature)



City of Palos Verdes Estates Swimming Pool & Spa Standard Requirements List

Plan Check # _____ Date _____

Address _____

Comments/Notes _____

Approvals: REQUIRES PLANNING, ENGINEERING AND ART JURY APPROVAL

Grading

1. Indicate amount of cubic yards of cut and/or fill for pool/spa
2. Show all existing and new contours
3. Show all elevations pertinent to pool/spa
4. Planning Commission review required
5. Geology report _____ Soils report _____ Minimum - soils site review required

1. Plans containing the following:

- a.) Site Plan - Pool and Spa location on property, including house location on lot.
 - Show slopes (if applicable) or indicate lot is flat.
 - Show location and size of gas and electrical lines being run for the equipment and any BBQ, Fireplace, Firepit, etc.
 - Show location of pool/spa heating equipment
 - Show setbacks for pool and spa to property line
 - Show distance from pools edge to house (tempered glass is required for window(s) within 5').
- b.) Structural plans and calculations.

2. Pool Barrier Compliance Form (signed by the contractor *and* homeowner)

3. Contact Dig Alert at 811 or (800) 642-2444 two (2) working days prior to digging.

Pool Location Per Approved Plan

Measurements are taken from the inside wall of the pool or spa, therefore it must be set per approved plans prior to calling for the first inspection. Any change in location must be approved prior to inspection.

Pool Perimeter and Barrier Fencing Per the Swimming Pool Safety Act, 2018: Refer to Minimum Barrier Requirements for Pools/Spas & Hot Tubs.

Construction Requirements

All pool construction shall conform to expansive soil details unless a soils report indicates otherwise. Use surcharge details as necessary. Provide a note on Plan that a Deputy Inspector will be required for anything that requires continuous inspection.

****Special Inspector shall register with the City prior to the start of work.****

Outdoor Equipment

All mechanical equipment shall be set on a concrete base a minimum of 3" above grade. Have manufacturer's installation instructions available on the job site for inspection. The heater vent termination must be a minimum of four feet (4') from any door, window or gravity air inlet into any building measured from the closest edge of the vent. Clearance to any wall shall be per the manufacturer's installation instructions and listing. The heater must have working space at the access door. The subpanel shall have a minimum of 30" width clearance and 36" working clearance in front of it.

Plumbing

PVC Plastic, schedule 40 pipe and fittings may be used for circulating piping systems. The entire system shall be tested and must hold a static water or air pressure test of not less than 35 psi for fifteen minutes. PVC water and air lines must be painted with latex paint to protect them from ultraviolet rays. A thirty-six inch (36") minimum accessible pipe is required between the filter and the fossil fuel heater for the future addition of solar heating equipment. Plastic pipe and fittings designed to be joined by solvent cementing shall comply with appropriate IAPMO installation standards. A minimum of two outlets are required and must be separated by a minimum of three feet (3'). All outlets shall be covered by an anti-vortex cover per current code specifications. Any pool or spa over 750 gallons requires a minimum three-inch (3") P-trap and a backwash line draining to the sewer system. Pools and spas using a cartridge filter may reduce the P-trap size to a minimum of 1 ½ " for drainage.

Electrical / Mechanical

Permanently installed pools and spas must have at least one 125-volt convenience receptacle located a minimum of six feet (6') from and not more than twenty feet (20') from the inside wall of the pool/spa and must be protected by a GFCI. A pool light must have a metallic forming shell connected to a pool light junction box with metallic or non-metallic raceway. Where rigid non-metallic conduit is used, a Number 8 insulated copper conductor must be installed. Junction boxes must be located four feet (4') minimum from the pool and eight inches (8") minimum above the flood level or ground level, whichever is greater. The pool light branch circuit and motor circuits must be GFCI protected. Light fixtures closer than five feet (5') horizontal from the pools edge must be a minimum of twelve feet (12') above the water level. If the light fixture is existing and less than 5' horizontally from the waters edge, it shall be GFCI protected.

All metal parts or components within five feet (5') of the inside wall of the pool or spa (including metal straps for posts, metal fences, window and door frames, etc.), shall be bonded with a Number 8 AWG unspliced solid copper conductor. All pool deck surfaces shall be bonded to the pool steel for a distance of not less than 3' extending out from the waters edge.

Electrical conduit may be a minimum schedule 40 PVC plastic if below grade. The conduit must be buried eighteen inches (18") below grade. The conduit must be UL listed. Above ground conduit may be PVC plastic (minimum schedule 80), or rigid galvanized steel.

All swimming pool/spas with fossil-fuel heaters must contain the following measures mandated by the State Energy Code:

- 1) System is certified with 78% thermal efficiency, on-off switch, weatherproof operating instructions, no electric resistance heating, and no pilot light.

- 2) System is installed with:
 - a.) At least a thirty-six inch (36") pipe between the filter and heater for future solar heating.
 - b.) Cover for outdoor pool or outdoor spa.

Pool system has directional inlets and a circulation pump time switch.

Note on plans: Manufacturer's heater specifications to remain on job with approved plans for rough mechanical inspection.

Fence, Gate & Alarms

1. Pedestrian walkway access gates shall meet minimum fence height requirements of 5' (60") minimum per local ordinance.
2. All gates shall be self-closing and have a self-latching device. The release mechanism of the self-latching device shall be located not less than 60" from the bottom of the gate: (1) The release mechanism shall be located on the swimming pool side of the barrier, (2) A maximum vertical clearance from the ground to the bottom of the enclosure of 2", (3) Gaps or voids, if any, are not to allow a sphere equal to or greater than 4" in diameter to pass through, (4) Any outside surface shall be free of protrusions, cavities or other physical conditions that would serve as a handhold or foothold that could enable a child to climb over.
3. Provide audible door alarms for all or any doors that have direct access to the pool or spa, per the **2025 CBC section 3109.2** or one of the other seven requirements within this section.

Structural

1. Expansive soil design required.
2. On standard pool/spa plans, cross out details that do not apply to the job.
3. Provide structural calculations.
4. Plans/calculations must follow 2024 Uniform Swimming Pool, Spa & Hot Tub Code.
5. Plans shall be wet stamped by licensed designer and soils consultant.

Definitions. Swimming Pool – Any body of water created by artificial means which is designed, intended for use, or used for swimming or immersion purposes, which has a water depth exceeding 18 inches. The term, "pool," includes swimming pools, spas, hot tubs, above-and below-ground, and vinyl-lined pools; pool does not include plumbing fixtures such as bathtubs nor does it apply to man-made lakes, reservoirs, farm ponds, or ponds used primarily for public park purposes, water conservation purposes, irrigation purposes or for the watering of livestock.



SELF CERTIFICATION PROGRAM FOR SMOKE AND CARBON MONOXIDE ALARMS

Project Address: _____

Permit Number: _____

Property Owner: _____

Contractor: _____

I, the undersigned, hereby certify that I am the owner and occupant of the above-mentioned property or the acting agent for the owner/occupant. I further certify that smoke alarms and carbon monoxide alarms are present and functional in all the following locations (Note: All boxes below must be checked; retrofitted detectors may be battery operated with a sealed unit containing a 10-year battery life)

- Smoke Alarms and Carbon Monoxide Alarm shall be located: On the ceiling or wall outside of each separate sleeping area in the immediate vicinity of bedrooms and hallway.
- Smoke Alarms: In each room used for sleeping purposes.
- Smoke Alarm and Carbon Monoxide Alarm: In each story, including any habitable basement. (Note: In dwellings or dwelling with split levels and without an intervening door between the adjacent levels, a smoke alarm and a carbon monoxide detector installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level.)

Signature: _____ Date: _____

California Residential Code (CRC) Section R314.1, CRC R315.2 states in part that existing dwellings be "retrofitted with smoke detectors and carbon monoxide detectors when a building permit is issued for, worked on or in a building that is valued at \$1,000 or more." CRC Section R314.3, CRC Section R315.3 defines required locations as indicated above.

NOTE: This Certification is only used when normal access to the interior of the dwelling by the City of Palos Verdes Estates Building Inspector is not achieved during the course of project construction. It is normally used for projects such as re-roofing, re-siding, patio covers, swimming pools and the like.



POOL AND SPA ANTI-ENTRAPMENT COVER CERTIFICATION

Revisions to the California Health & Safety Code Section 115920, known as the Swimming Pool Safety Act, came into effect January 1, 2007. Section 115928, subsection (d) states that *“whenever a building permit is issued for the remodel or modification of a single family home with an existing swimming pool, toddler pool, or spa, the permit shall require that the suction outlet of the existing swimming pool, toddler pool or spa be upgraded so as to be equipped with an anti-entrapment cover meeting current standards of the American Society for Testing and Materials (ASTM) or the American Society of Mechanical Engineers (ASME).”*

For homes that have a swimming pool, toddler pool, or spa, the anti-entrapment device must be installed prior to final inspection approval. For homes that do not have a swimming pool, toddler pool, or spa we request that the owner so declare on this form.

Building Permit #: _____

Property address: _____

I am the Property Owner and certify that: *(CHECK APPROPRIATE BOX BELOW)*

- The property does not have a swimming pool, toddler pool or spa.
- The property has a swimming pool, toddler pool or spa and I hereby acknowledge that an anti-entrapment suction cover meeting the current standards of the American Society for Testing and Materials or the American Society of Mechanical Engineers is installed at the swimming pool, toddler pool, and/or spa located at the above referenced address; in accordance with the revisions made to the Pool Safety Act as outlined above.

Property Owner's Signature: _____ Date: _____

Please print name: _____

ATTENTION PROPERTY OWNER:
PLEASE PRESENT THIS COMPLETED FORM TO THE BUILDING
INSPECTOR PRIOR TO THE FINAL INSPECTION

CITY OF PALOS VERDES ESTATES

340 PALOS VERDES DRIVE WEST PALOS VERDES ESTATES, CALIFORNIA 90274-1299

TEL: 310-378-0383

FAX: 310-378-7820



Building Department

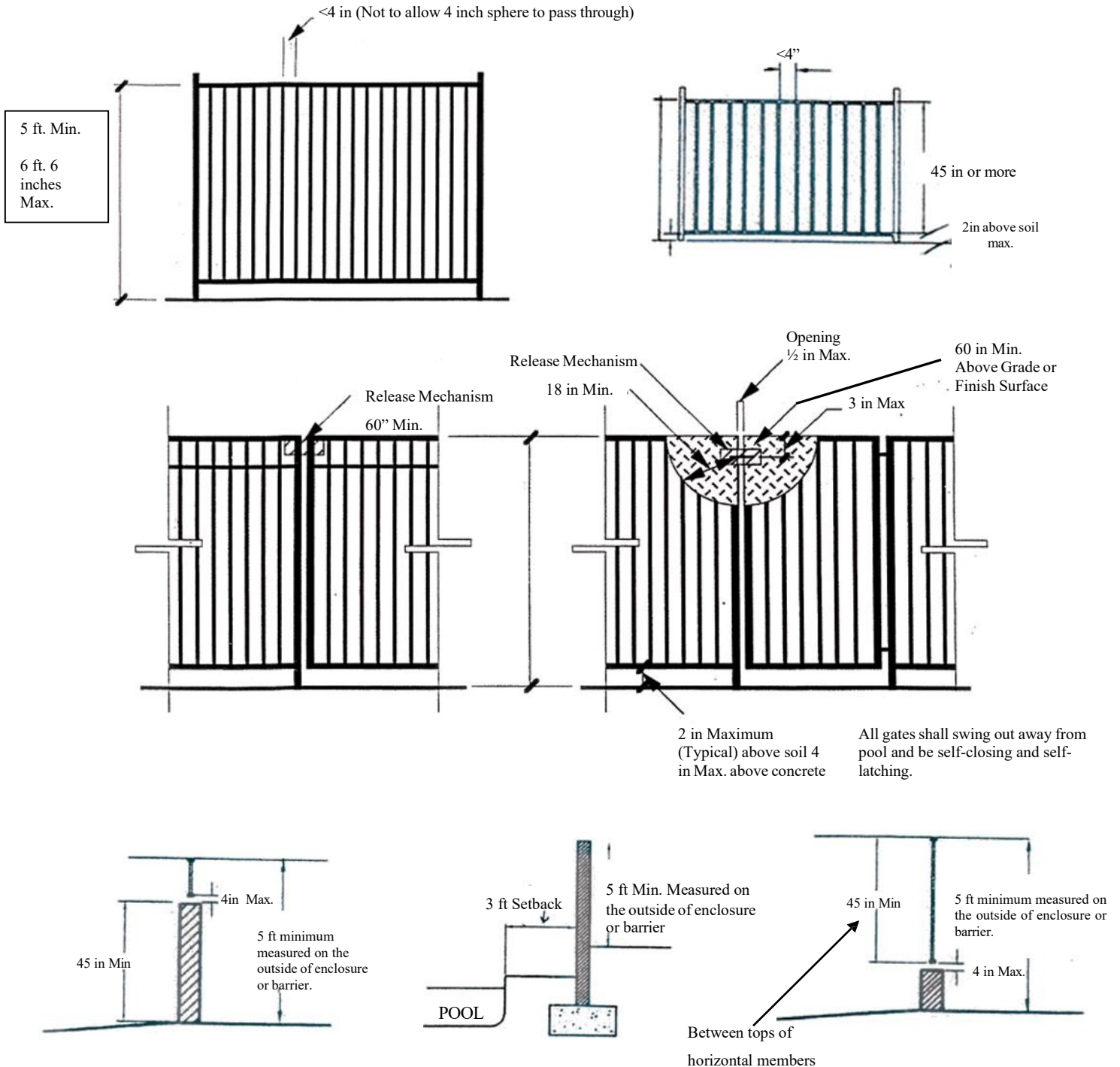
Phone (310)378-0383

Fax (310)378-7820

340 Palos Verdes Dr. West
Palos Verdes Estates, CA 90274

POOL BARRIER COMPLIANCE

The City of Palos Verdes Estates requires that all swimming pools be surrounded by a fence, wall or other solid structure not less than (5'-0") five feet in height. The Code requires this fence to be "Non-Climbable". The intent of this requirement is to prevent young children from gaining access to an unsupervised pool. The details below illustrate various requirements on barriers for swimming pools, spas and hot tubs.





Building Department

Phone (310)378-0383

Fax (310)378-7820

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POOL BARRIER COMPLIANCE

Perimeter Fencing:

1. Every pool or spa must be enclosed with a perimeter fence measuring a minimum of five feet (5') in height, measured on the side of the fence opposite the pool
2. If the fence is designed with horizontal members separated by forty-five inches (45") or more, the opening between the vertical members may not exceed four inches (4")
3. If the fence is designed with horizontal members separated by less than forty-five inches (45"), the opening between the vertical members may not exceed 1 ¾" and the horizontal members must be located on the pool side of the fence. When vertical spacing between such openings is 45" or more, the opening size may be increased but shall be <4".
4. All access gates shall be self-closing and self-latching, with the latching device located a minimum of sixty inches (60") above grade, and the gates shall swing away from the pool area.

Barrier Fencing (in addition to above) – Pool or spa shall incorporate two of the seven drowning prevention safety features:

1. An enclosure that meets the requirements of Perimeter Fencing item 1 and isolates the swimming pool or spa from the private single-family home.
2. Removable mesh fencing that meets ASTM Specification F2286 standards in conjunction with a gate that is self-closing and self-latching and can accommodate a key lockable device
3. Pool safety pool cover, manual or automatic, that meets the ASTM Specification F1346-91 performance standards.
4. Exit alarms on the private single-family home's doors that provide direct access to the swimming pool or spa. The exit alarm may cause either an alarm noise or verbal warning, such as repeating notification that "the door to the pool is open."
5. A self-closing and self-latching device with a release mechanism placed no lower than 54 inches above the floor on the private single-family home's door providing direct access to the swimming pool area.
6. An alarm that when placed in a swimming pool or spa, will sound upon detection of accidental or unauthorized entrance into the water. The alarm shall meet and be independently certified to the ASTM standard 2208 "Standard Safety Specification for Residential Pool Alarms," which includes surface motion, pressure, sonar, laser and infrared type alarms. A swimming protection alarm feature designed for individual use, including an alarm attached to a child that sounds when the child exceeds a certain distance or becomes submerged in water, is not a qualifying drowning prevention safety feature.
7. Other means of protection, if the degree of protection afforded is equal to or greater than that afforded by any of the features set forth above and has been independently verified by an approved testing laboratory as meeting standards for those features established by the ASTM or the American Society of Mechanical Engineers (ASME).



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POOL BARRIER COMPLIANCE

POOL BARRIER COMPLIANCE

I HEREBY ACKNOWLEDGE THAT I/WE HAVE READ, UNDERSTAND, AND ACCEPT RESPONSIBILITY FOR COMPLIANCE WITH THE PROVISIONS SET FORTH IN THE CITY OF ALISO VIEJO SWIMMING POOL/SPA AND HOT TUB BARRIER, POOL ALARM, GLAZING, HANDRAIL AND GUARDRAIL REQUIREMENTS. I FURTHER UNDERSTAND THAT THESE SAFETY MEASURES NEED TO BE IN PLACE PRIOR TO RECEIVING THE REQUIRED PREPLASTER INSPECTION FOR THE POOL AND/OR SPA.

I FURTHER ACKNOWLEDGE AND UNDERSTAND THAT, AS SOON AS MY SWIMMING POOL/SPA IS FILLED WITH WATER AND AFTER FINAL INSPECTION, I AM RESPONSIBLE TO MAINTAIN THE REQUIRED POOL BARRIER AT ALL TIMES.

PROJECT ADDRESS

PERMIT NUMBER

DATE

OWNER (Print)

OWNER (Signature)

DATE

CONTRACTOR (Print)

CONTRACTOR (Signature)

**POOL BARRIER COMPLIANCE FORM SHALL BE SIGNED PRIOR TO
PERMIT ISSUANCE**



CERTIFICATE OF INSTALLATION

Note: This table completed by HERS Registry.

Table with 4 columns: Field Name, Entry, Field Name, Entry. Rows include Project Name, Dwelling Address, City and Zip Code, Enforcement Agency, Permit Number, and Permit Application Date.

A. Pool and Spa System Type

Table with 3 columns: Field, Field Name, Data Entry. Row 01: Pool and Spa System Type.

B. Pool and Spa Systems and Equipment Requirements

(Section 110.4(a) and 110.5)

Table with 2 columns: Field, Field Name. Rows 01-05 detailing requirements for pool/spa heating systems, such as efficiency standards, on-off switches, weatherproof plates, insulation, and pilot lights.

The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.

C. Pool and Spa System Installation Requirements

(Section 110.4(b))

Table with 2 columns: Field, Field Name. Rows 01-04 detailing installation requirements, such as pipe installation for solar heating, covers for outdoor pools, directional inlets, and time switches.

The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.



D. Pool Pump Sizing and Flow Rate Specification(Section 150.0(p))

Field	Field Name
01	The pool pump that subject to State or federal appliance efficiency standards is listed in the CEC's directory of certified equipment.
02	The pool pump flow rate shall not exceed the maximum pump flow rate calculated based on pool sizing in the table below. The return pipe diameter, suction pipe diameter, and filter area shall be at least as large as the required minimums shown in the table. Alternatively, a flow calculation or flow test result shall be provided to demonstrate that the pump flow rate is less than 6 hour filtration turnover, and the return pipe flow rate does not exceed 8 fps and that the suction pipe flow rate does not exceed 6 fps.

03	An alternative compliance calculation or a flow test result is provided for this pool or spa use (must attach flow calculation or flow test result to this form)	<input type="radio"/> Yes <input type="radio"/> No
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04	The pump is capable of operating at 2 or more speeds (not applicable if pump is less than 1 horsepower).
05	Each auxiliary pool load is served by either a separate pump, or the system is served by a multi-speed pump.

06	Volume of Pool (gallons)	
07	Filter Type (Cartridge, Sand, DE)	

08a Required Min Return Pipe Diameter (inches)	08b Required Min Suction Pipe Diameter (inches)	08c Required Min Filter Area (ft ²)	08d Required Max Pump Flow (gpm)

09	Return Pipe Diameter (inches)	
10	Suction Pipe Diameter (inches)	
11	Filter Surface Area (ft ²)	
12	Max Pump Flow Rate (gpm)	
13	Measured Flow Rate Return Line (fps)	
14	Measured Flow Rate Suction Line (fps)	
15	Compliance Statement:	

The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.



E. Pool System Piping (Section 150.0(p)2)

Field	Field Name
01	The suction side pipe is straight for at least 4 pipe diameters before entering the pump (See table below for the required straight run lengths for various pipe sizes).
02	All elbows are sweep elbows, or an elbow type that has a pressure drop that is less than the pressure drop of a straight pipe with a length of 30 pipe diameters.

The responsible person’s signature on this compliance document affirms that all applicable requirements in this table have been met.

F. Pool Filters and Valves (Section 150.0(p)3 and 4)

Field	Field Name
01	If a filter is used in a pool intended for public use: The size of the filter is at least the size specified in NSF/ANSI 50.
02	If a backwash valve is used: The diameter of the backwash valve is at least 2 inches, or the diameter of the return pipe, whichever is greater.

The responsible person’s signature on this compliance document affirms that all applicable requirements in this table have been met.



Documentation Author's Declaration Statement

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Documentation Author Signature:
Company:	Signature Date:
Address:	CEA/ HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

Responsible Person's Declaration Statement

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Installation is true and correct.
2. I am either: a) a responsible person eligible under Division 3 of the Business and Professions Code in the applicable classification to accept responsibility for the system design, construction, or installation of features, materials, components, or manufactured devices for the scope of work identified on this Certificate of Installation, and attest to the declarations in this statement, or b) I am an authorized representative of the responsible person and attest to the declarations in this statement on the responsible person's behalf.
3. The constructed or installed features, materials, components or manufactured devices (the installation) identified on this Certificate of Installation conforms to all applicable codes and regulations and the installation conforms to the requirements given on the Certificate of Compliance, plans, and specifications approved by the enforcement agency.
4. I understand that a registered copy of this Certificate of Installation shall be posted or made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections, and I will take the necessary steps to ensure this requirement is accomplished.
5. I understand that a registered copy of this Certificate of Installation is required to be included with the documentation the builder provides to the building owner at occupancy, and I will take the necessary steps to ensure this requirement is accomplished.

Responsible Designer Name:	Responsible Designer Signature:
Company:	Date Signed:
Address:	License:
City/State/Zip:	Phone:

For assistance or questions regarding the Energy Standards, contact the Energy Hotline at: 1-800-772-3300

CF2R-PLB-03-E User Instructions**A. Pool and Spa System Type**

Pick from Pool only, Spa only, or Pool and Spa

B. Pool and Spa Systems and Equipment Requirements (Section 110.4(a) and 110.5)

Before any pool or spa heating system or equipment may be installed, the manufacturer must certify to the Energy Commission that the system or equipment complies with §110.4 and §110.5. The requirements include minimum heating efficiency according to Appliance Efficiency Regulations, an on-off switch outside the heater, permanent and weatherproof operating instructions, no continuous pilot light, and no electric resistance heating.

C. Pool and Spa System Installation Requirements (Section 110.4(b))

A time switch or similar control mechanism must be installed as part of the pool water circulation control system that will allow all pumps to be set or programmed to run only during the off-peak electric demand period and for the minimum time necessary to maintain the water in the condition required by applicable public health standards.

D. Pool Pump Sizing and Flow Rate Specification (Section 150.0(p))

The pool filtration flow rate may not be greater than the rate needed to turn over the pool water volume in 6 hours or 36 gpm, whichever is greater. Calculate Max Flow Rate using the following equation:

$$\text{Max Flow Rate (gpm)} = \frac{\text{Pool Volume (gallons)}}{360\text{min.}}$$

Pool piping must be sized according to the maximum flow rate needed for all auxiliary loads. Show work to calculate return and suction line flow rate, minimum filter area, and the maximum pump flow rate correspond to the pool volume in accordance to section 150.0(p), or refer to Table C below for the prescriptive values. The maximum velocity allowed is 8 fps in the return line and 6 fps in the suction line, and the maximum pump flow rate is less than 6 hour filtration turnover.

3. Select whether the alternative calculation is used.

6. Enter the Pool Volume (gal).

7. Enter Filter Type (Cartridge, Sand, DE).

8a Enter the Required Minimum Return Pipe Diameter (inches).

8b Enter the Required Minimum Suction Pipe Diameter (inches).

8c Enter the Required Minimum Filter Area (ft²).

8d Enter the Required Maximum Pump Flow (gpm).

9. Enter Return Pipe Diameter (inches).

10. Enter Suction Pipe Diameter (inches).

11. Enter Filter Surface Area (ft²).

12. Enter the Maximum Pump Flow Rate (gpm).

13. Enter the Measured Flow Rate of the Return Line in fps. This is only used if the alternative calculation is used.

14. Enter the Measured Flow Rate of the Return Line in fps. This is only used if the alternative calculation is used.

15. Automatically completed Compliance Statement.

E. Pool System Piping (Section 150.0(p)2)

There must be a length of straight pipe that is greater than or equal to at least 4 inches pipe diameters installed before the pump. Refer to Table D below for the required pipe length. Traditional hard 90° elbows are not allowed. All elbows must be sweep elbows or a type of elbow that has a pressure drop less than the pressure drop of straight pipe with a length of 30 pipe diameters.

F. Pool Filters and Valves (Section 150.0(p)3 and 4)

Backwash valves must be sized to the diameter of the return pipe or 2 inches, whichever is greater. Multiport backwash valves have a high pressure drop and are discouraged.

**CITY OF PALOS VERDES ESTATES
 REQUIRED PLAN CHECK INFORMATION
 (burn onto construction plans)**

THE FOLLOWING IS MANDATORY AND MUST BE SUBMITTED WITH THE APPLICATION

OWNER/APPLICANT:			
PROJECT ADDRESS:			
LEGAL DESCRIPTION:	LOT	BLOCK	TRACT
APPLICANT'S AGENT:			PHONE:
EMAIL:			DATE:

LOT SIZE:
 _____ sq. ft.

ALLOWABLE FLOOR AREA:
 _____ sq. ft. Equals the lesser of 30% (lot size) + 1,750 or 50% (lot size)

EXISTING LOT COVERAGE:

_____ sq. ft.	_____ %	BUILDING
_____ sq. ft.	_____ %	HARDSCAPE (Pool, patio, deck, driveway, etc.)
_____ sq. ft.	_____ %	TOTAL

PROPOSED LOT COVERAGE: (Include only added lot coverage)

_____ sq. ft.	_____ %	BUILDING
_____ sq. ft.	_____ %	HARDSCAPE (Pool, patio, deck, driveway, etc.)
_____ sq. ft.	_____ %	TOTAL

TOTAL LOT COVERAGE: (Sum of existing and proposed)

_____ sq. ft.	_____ %	BUILDING (Not to exceed 30%)
_____ sq. ft.	_____ %	HARDSCAPE (Pool, patio, deck, driveway, etc.)
_____ sq. ft.	_____ %	TOTAL (Not to exceed 65%)

EXISTING FLOOR AREA:

_____ sq. ft.	FIRST FLOOR	_____ sq. ft.	MEZZANINE
_____ sq. ft.	SECOND FLOOR	_____ sq. ft.	GARAGE
_____ sq. ft.	BASEMENT	_____ sq. ft.	TOTAL

PROPOSED FLOOR AREA: (Include only added floor area)

_____ sq. ft.	FIRST FLOOR	_____ sq. ft.	MEZZANINE
_____ sq. ft.	SECOND FLOOR	_____ sq. ft.	GARAGE
_____ sq. ft.	BASEMENT	_____ sq. ft.	TOTAL

TOTAL FLOOR AREA: (Sum of existing and proposed)

_____ sq. ft.	FIRST FLOOR	_____ sq. ft.	MEZZANINE
_____ sq. ft.	SECOND FLOOR	_____ sq. ft.	GARAGE
_____ sq. ft.	BASEMENT	_____ sq. ft.	TOTAL

(Cannot exceed Allowable Floor Area)

(burn onto construction plans)

GRADING INFORMATION*

PREVIOUS GRADING: (Any movement of earth on this site prior to this application)

CUT	_____	cubic yards
FILL	_____	cubic yards
TOTAL	_____	cubic yards

PROPOSED GRADING: (Movement of earth required for this project)

CUT	_____	cubic yards
FILL	_____	cubic yards
OVEREXCAVATION	_____	cubic yards
RECOMPACTION**	_____	cubic yards
TOTAL	_____	cubic yards

*** GRADING APPLICATION AND PLANNING COMMISSION REVIEW IS REQUIRED IF:**

1. The building official has required an engineering geology report or soils engineering report.
2. Any project resulting in a cut or fill **in excess of 10 feet in depth or height.**
3. Any project where the quantity of cut and fill **exceeds 250 cubic yards.**
4. Any lot where the quantity of cut and fill **exceeds 100 cubic yards** of grading exterior to the dwelling unit foundation, garage, and driveway.
5. There has been grading or a grading application on the property within twenty-four months preceding the date of the current application which would, when combined with the current application, require grading permit approval.

****THE CITY OF PALOS VERDES ESTATES DOES NOT ACCEPT SHRINKAGE FACTORS OR OTHER METHODS OF GRADING DATA CALCULATION.**