

CITY OF PORT ORCHARD DEPARTMENT OF COMMUNITY DEVELOPMENT
RESIDENTIAL ONGROUND STORABLE POOL APPLICATION
BARRIER OPTIONS SUBMITTAL FORM

This form is designed to streamline the application, plan review, and inspection process for on-ground storable residential pools by using option sheets and ready-to-use details. Construction plans that contain adequate drawings, notes and details to demonstrate that minimum code requirements are met can be used in lieu of this form.

This form, if used, must be filled out and submitted with the permit application and will be reviewed. All pages must be included. These details are not approved for construction unless stamped approved by City plan reviewer at the bottom of each page.

In addition to this form, the applicant must include a site-specific site plan. See Site Plan Checklist for a full list:

<https://portorchardwa.gov/documents/form-085-site-plan-checklist/>

If pool barrier fence is located in a yard setback, consult with Planning unit for Fence Design Standards, which limits some fence options.

To use this form:

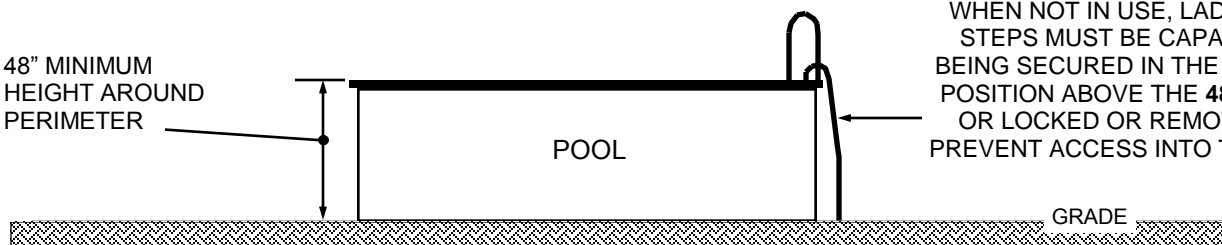
1. Check the box for which option will be used for the pool barrier type: Figure 1, Figure 3, Figure 4, or Figure 12.
2. If selecting Figure 3 or 4, choose between Figures 5 - 11 for the fence type.
3. If selecting Figure 4, check the box for Figure 13 if it applies to the project. Leave unchecked if it does not apply to the project.
4. Select between Figures 14-17 for which steps/ladder type will be used
5. Select Figure 19 if pool includes a pre-manufactured deck.

Refer to the 2021 International Swimming Pool and Spa Code for all requirements. Available for free reading here: <https://codes.iccsafe.org/content/ISPSC2021P3>

Applicant Name:

 City of Port Orchard	Site Address:	INSTRUCTIONS	Cover
	NOT VALID FOR CONSTRUCTION UNLESS STAMPED APPROVED BY CITY:		Permit:

48" MINIMUM
HEIGHT AROUND
PERIMETER



WHEN NOT IN USE, LADDER OR
STEPS MUST BE CAPABLE OF
BEING SECURED IN THE UPRIGHT
POSITION ABOVE THE 48" LEVEL,
OR LOCKED OR REMOVED TO
PREVENT ACCESS INTO THE POOL

POOL 48" OR MORE IN HEIGHT

FIGURE 1 - ABOVEGROUND POOL WALL IS USED AS BARRIER

Check box if using
this option

☐

MEASURE 3FT
HORIZONTALLY OUT

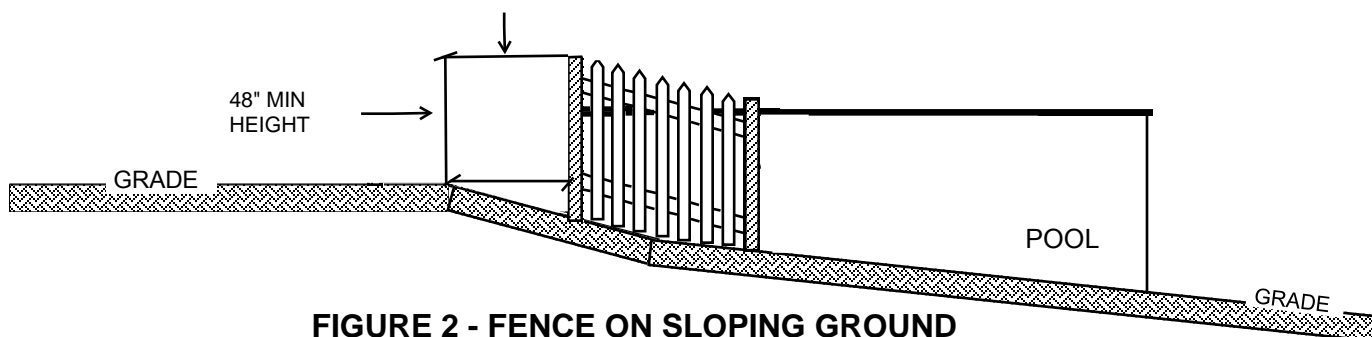
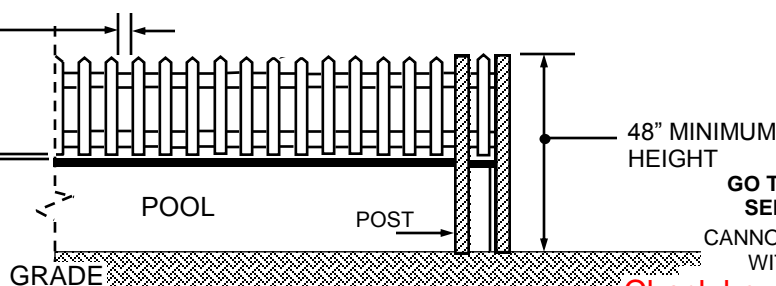


FIGURE 2 - FENCE ON SLOPING GROUND

OPENINGS CANNOT ALLOW
PASSAGE OF 4" SPHERE

4" MAX
CLEARANCE



GO TO PAGE 2 AND 3 TO
SELECT FENCE TYPE
CANNOT USE MESH FENCE
WITH THIS OPTION

Check box if using
this option

☐

POOL LESS THAN 48" HEIGHT

FIGURE 3 - ABOVE GROUND POOL WITH FENCE ON TOP OF POOL WALL

OPENINGS CANNOT ALLOW
PASSAGE OF 4" SPHERE

48" MIN
FROM
GRADE*

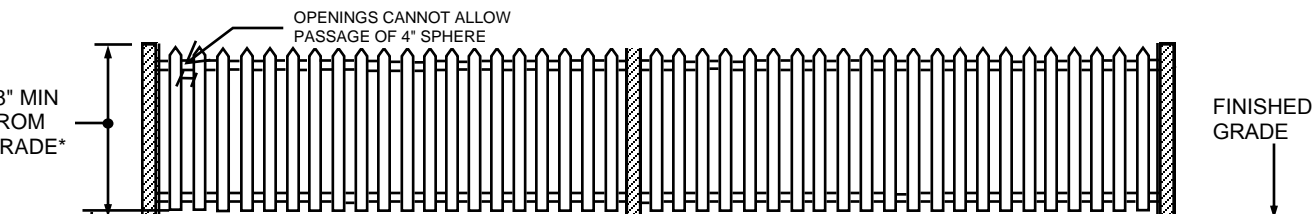


FIGURE 4 - POOL BARRIER: FENCES ON GRADE

GO TO PAGE 2 AND 3 TO
SELECT FENCE TYPE

Check box if using
this option

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*FENCES IN A FRONT YARD SETBACK ARE LIMITED TO A HEIGHT OF 48" AND MUST BE MIN 38% OPEN.
IN NO INSTANCE MAY A FENCE WITHIN A YARD SETBACK EXCEED 6FT.
CONSTRUCTION PLANS WILL BE REQUIRED FOR FENCES OVER 6FT NOT LOCATED IN A SETBACK.



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BARRIER TYPES

Pg 1

Permit:

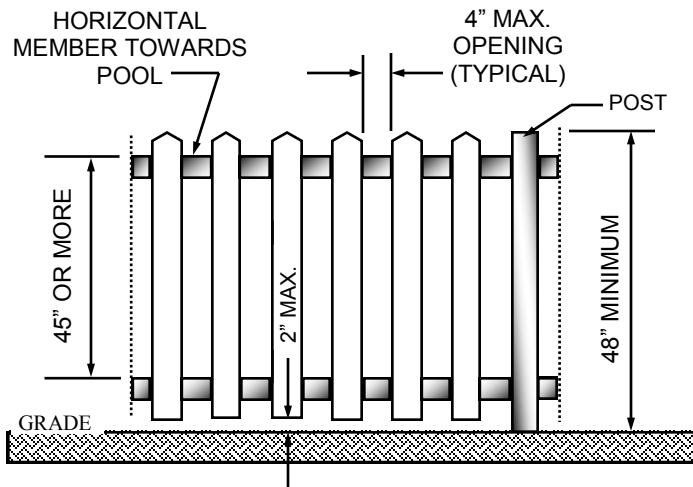


FIGURE 5- PICKET FENCE

(HORIZONTAL MEMBERS 45" OR MORE APART)

Check box if using
this option ☐

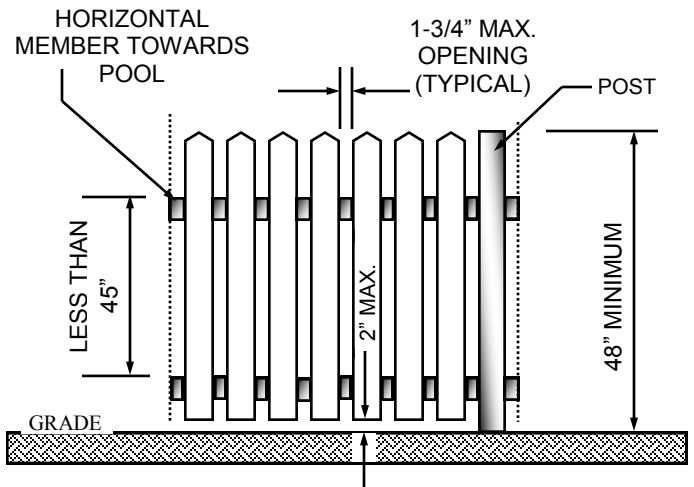
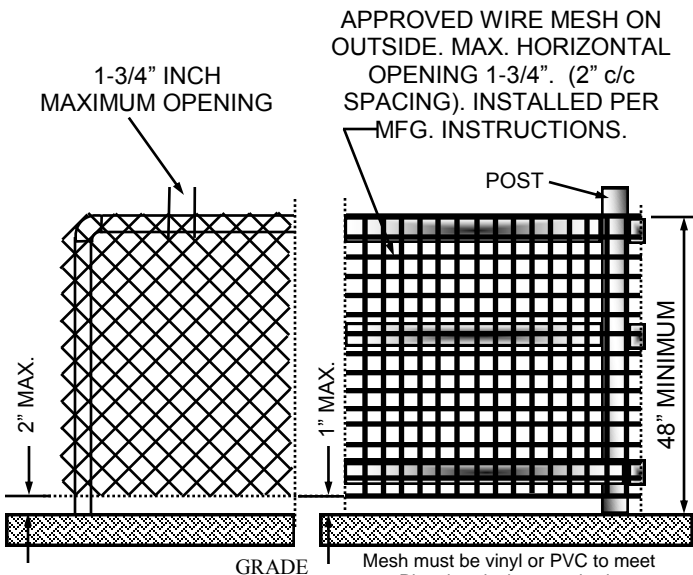


FIGURE 6- PICKET FENCE

(HORIZONTAL MEMBERS LESS THAN 45" APART)

Check box if using
this option ☐



**FIGURE 7
CHAIN LINK**

Check box if using
this option

☐

**FIGURE 8
MESH FENCE**

Check box if using
this option

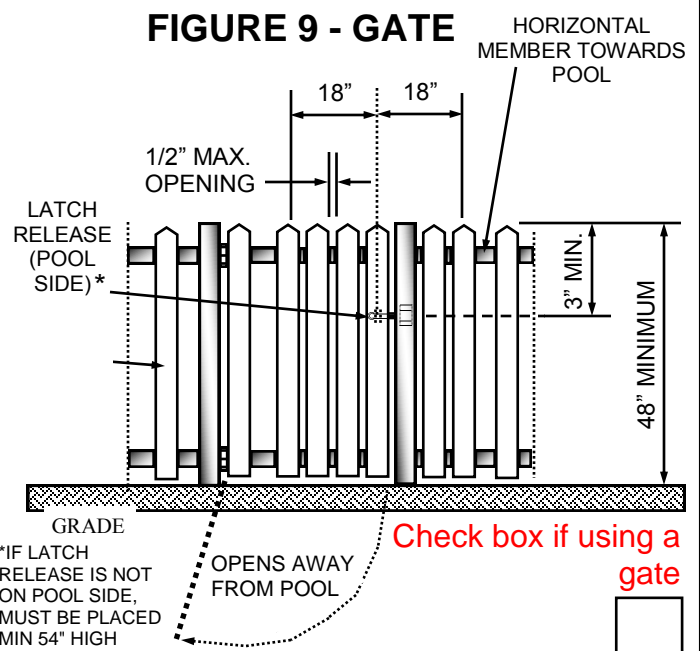
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FIGURE 9 - GATE

Check box if using a
gate ☐

GATES SHALL HAVE A SELF-LATCHING, SELF-CLOSING
DEVICE LOCATED INSIDE THE POOL AREA.

BARRIER ALARMS WHERE REQUIRED SHALL BE LISTED
& LABELED AS A WATER HAZARD ENTRANCE ALARM IN
ACCORDANCE WITH UL 2017.



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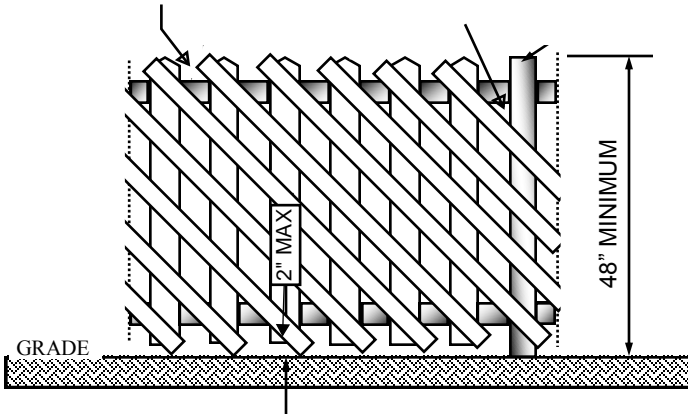
BARRIER TYPES

Pg 2

Permit:

1-3/4" MAX OPENING
BETWEEN DIAGONALS

45 DEGREES MAX FROM
VERTICAL

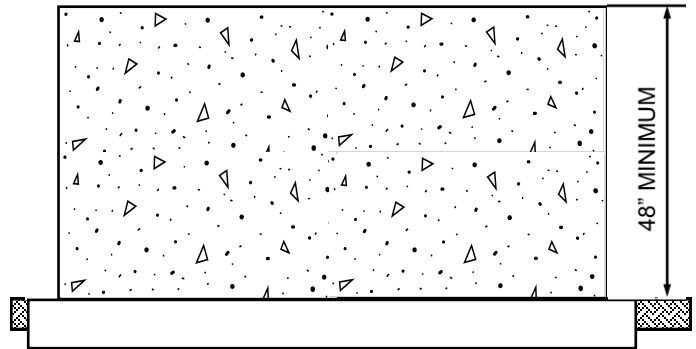


**FIGURE 10- DIAGONAL
MEMBERS**

Check box if using
this option

☐

WALL CANNOT HAVE PROTRUSIONS OR
INDENTATIONS THAT FORM
HANDHOLDS/FOOTHOLDS



**FIGURE 11 - FREESTANDING
SOLID WALL***

Check box if using
this option

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*CONSTRUCTION
PLANS REQUIRED
FOR FREESTANDING
WALLS OVER 6FT

MUST COMPLY WITH
ASTM F1346



SEPARATE ELECTRICAL PERMITS
THROUGH WASHINGTON
DEPARTMENT OF LABOR AND
INDUSTRIES

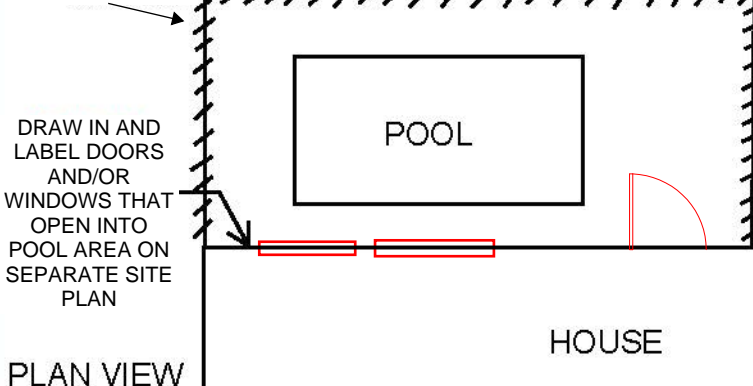
**FIGURE 12
POWERED SAFETY COVER**

INCLUDE MANUFACTURER'S SPECS
WITH SUBMITTAL

Check box if using
this option

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BARRIER FENCE



**FIGURE 13
HOUSE WALL AS BARRIER**

ALL DOORS AND ALL WINDOWS THAT ARE
LESS THAN 48" FROM FLOOR TO SILL
MUST HAVE UL 2017 LISTED AUDIBLE
ALARMS. DEACTIVATION SWITCH MUST
BE 48" - 54" ABOVE THE FLOOR.

Check box if using
this option

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INCLUDE
MANUFACTURER'S
SPECS WITH
SUBMITTAL



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BARRIER TYPES

Pg 3

Permit:

Select which ladder/steps will be used. Include manufacturer's specs with submittal.

FIGURE 14

Check box if using this type ☐



TYPES A AND B

- If A frame ladder has platform between handrails, min 12" width, min 12" length.
- Platform must be at or above highest ladder tread – made with slip resistant material.
- Must have two handrails that serve all treads, min 20" above upper most tread/platform. 1" – 1.9" diameter for handrail
- Min 12" clear distance between handrails
- Min 2" tread depth for ladder treads
- Risers must be at uniform height min 7" max 12"

FIGURE 15

Check box if using this type ☐

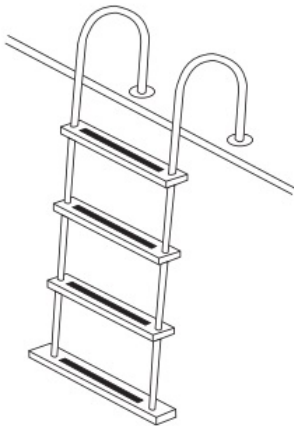


TYPE C

- Type C staircase ladders need minimum 2 handrails, min 20" above platform/top tread
- 1"-1.9" handrail diameter
- Ladder treads horizontal uniform tread depth min 4"
- Riser height to be min 7" max 12" uniform height. The vertical distance from the platform/top of pool to the uppermost tread must be same as uniform riser heights
- Top step must be flush with the deck or 7"-12" below the deck level
- Min 19" clear distance between side rails, unobstructed

FIGURE 16

Check box if using this type ☐

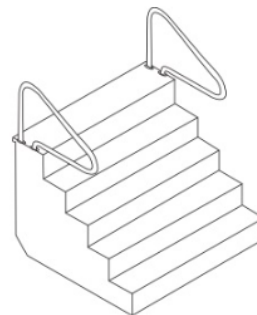


TYPE D

- Clearance of min 3" max 6" between pool wall and the ladder
- Min 2 handrails min 20" above platform/deck
- Min 12" clear distance between handrails
- 1" – 1.9" handrail diameter
- Riser height to be min 7" max 12" uniform height.
- Vertical distance from pool coping, deck, or step surface to top tread must be min 7" and max 12" and uniform with other risers
- Min 2" tread depth

FIGURE 17

Check box if using this type ☐



TYPE E and F

- Must have at least one handrail that serves all treads min 20" above top tread/platform
- If handrails are removable, must be installed so they cannot be removed without use of tools
- Leaning edge of handrails must be 18" horizontally from vertical plane of bottom riser
- 1" – 1.9" handrail diameter
- Treads must have horizontal unobstructed depth min 10" and min 240 square inch surface area
- Riser height to be min 7" max 12" uniform height.



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LADDERS/STEPS

Pg 4

Permit:

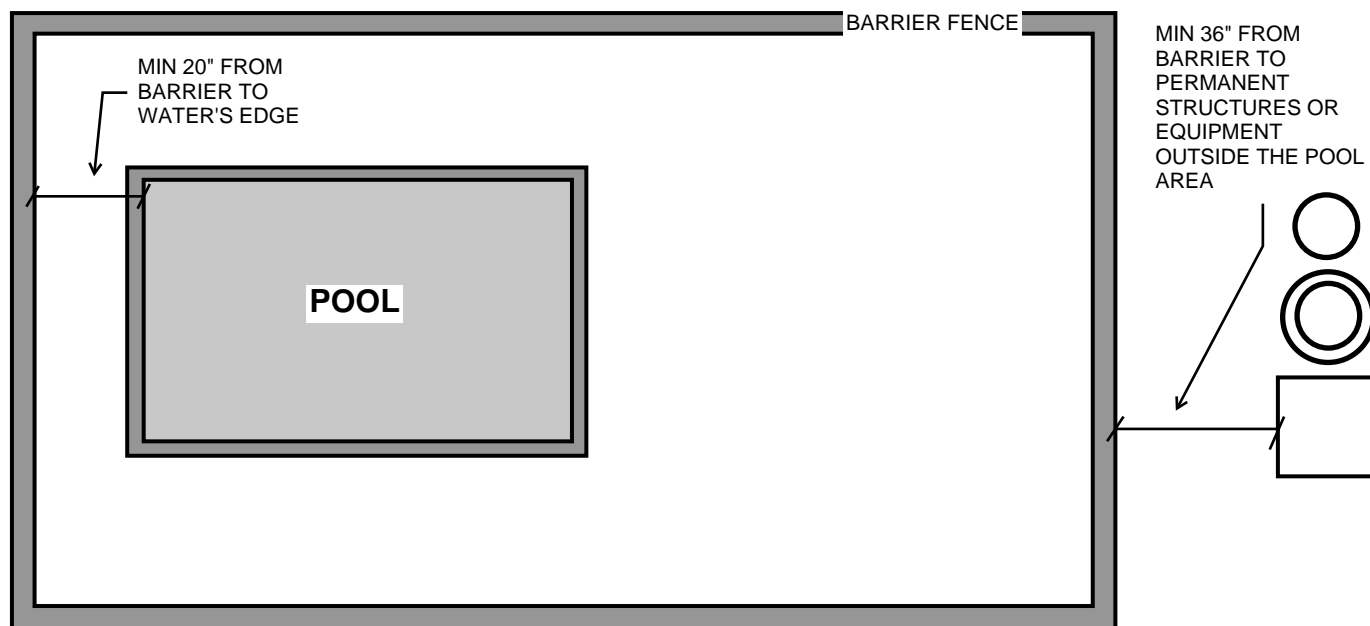
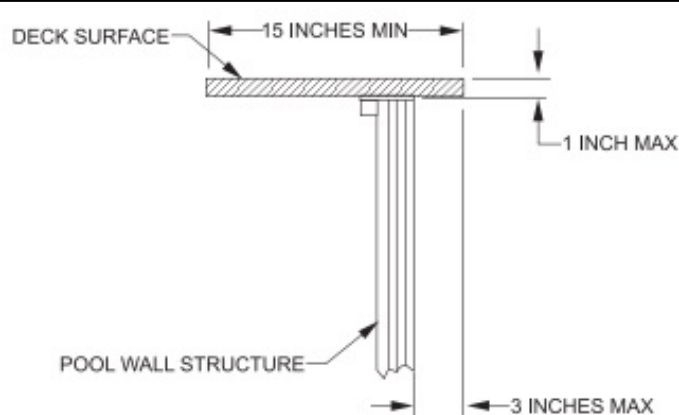
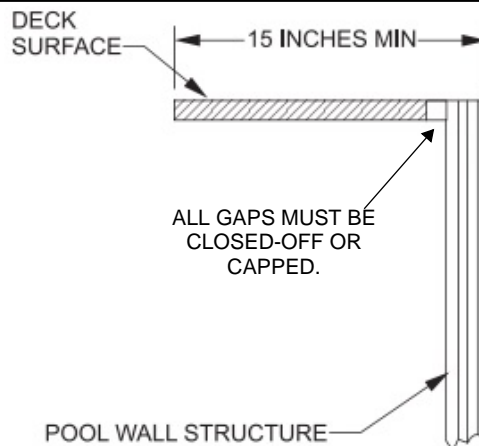


FIGURE 18 - GENERAL PERIMETER BARRIER REQUIREMENTS

PLAN VIEW



CANTILEVERED DECK SUPPORT



FLUSH DECK

DECKS CONSTRUCTED ON SITE REQUIRE DECK CONSTRUCTION PLANS*

FIGURE 19 - MANUFACTURED DECKS

MUST BE INSTALLED PER
MANUFACTURER'S INSTRUCTIONS.
PROVIDE SPECS WITH SUBMITTAL.

*POOLS SUPPORTED ON
A DECK WILL REQUIRE
PLANS STAMPED BY A
WASHINGTON LICENSED
REGISTRANT

Check box if using a
pre-manufactured deck

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BARRIER LAYOUT & DECKS

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Permit: