

# Deck Construction Permit Application



*“Building A Stronger Community  
TOGETHER”*



## Community & Economic Development

Permit # \_\_\_\_\_



**CITY OF SHELTON**  
**DECK PERMIT APPLICATION**  
525 West Cota Street, Shelton, WA 98584  
(360) 426-9731 (360) 426-7746

**SITE INFORMATION**

Site Address \_\_\_\_\_  
Parcel No. \_\_\_\_\_ Legal Description \_\_\_\_\_

**OWNER INFORMATION**

Owner \_\_\_\_\_ Phone # \_\_\_\_\_  
Owner Address \_\_\_\_\_ City \_\_\_\_\_ St. \_\_\_ Zip \_\_\_\_\_

**CONTRACTOR INFORMATION**

Contractor Name \_\_\_\_\_ Phone # \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ St. \_\_\_ Zip \_\_\_\_\_  
Contractor Reg# \_\_\_\_\_ Exp. Date \_\_\_\_\_ City Business License \_\_\_\_\_

Architect/Designer: \_\_\_\_\_ Phn: \_\_\_\_\_ Engineer: \_\_\_\_\_ Phn: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_ Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
License # \_\_\_\_\_ License # \_\_\_\_\_

**PROJECT INFORMATION**

Describe Project: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Are you excavating/grading/filling/clearing or grubbing?  Yes  No  
If yes, a Fill & Grade Permit may be required (provide details for review). (Permit may also be required in special circumstances.)

This permit becomes null and void if work or construction authorized is not commenced within 180 days, or if construction or work is suspended or abandoned for a period of 180 days at any time after work is commenced. I hereby certify that I have read and examined this application and know the same to be true and correct. All provisions of laws and ordinances governing this type of work will be complied with whether specified herein or not. The granting of a permit does not presume to give authority to violate or cancel the provisions of any other state or local law regulating construction or the performance of construction.

<u>Owner's Affidavit</u> I certify that I am exempt from the requirements of the contractor's registration law RCW 18.27, and I am aware of the City of Shelton's ordinance requirements for which this permit is issued and that all work done will be in conformance therewith. No changes shall be made without obtaining approval from the Building Department.		<u>Contractor's Affidavit</u> I certify that I am a currently registered contractor in the State of Washington and I am aware of the ordinance requirements regulating the work for which the permit is issued and all work done in conformance therewith. No changes may be made without first obtaining approval from the Building Department.	
Signature of Owner	Date	Signature of Contractor	Date

**BUILDING PERMIT FEES**

Sq. Ft. X	Cost per Sq. Ft. =	Valuation
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Use of Building:	Number of Dwelling Units:
Change Use To:	Change of Use From:
Type of Construction:	Occupancy Group:
Division:	Size of Building (total sq. ft):
No. of Stories:	Maximum Occupancy Load:
Use Zone:	Fire Sprinklers Required: <input type="checkbox"/> Yes <input type="checkbox"/> No

State Surcharge Fee	\$	4.50
Building Permit Fee	\$	
Plan Review Fee	\$	
Violation Fee	\$	
Investigation Fee	\$	
Other	\$	
<b>TOTAL FEES</b>	<b>\$</b>	

Application Accepted By:	Plans Checked By:	Permit Issued By:
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**CITY OF SHELTON**  
**RESIDENTIAL DECK, GAURDRAIL AND HANDRAIL REQUIREMENTS**  
525 West Cota Street, Shelton, WA 98584  
(360) 426-9731 (360) 426-7746

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**ALL DECKS REQUIRE A BUILDING PERMIT.**

What information is required to apply for a permit? A permit application for a residential deck consists of a completed building permit application form and three sets of drawings showing where the deck will be located, its size and shape, and how will it be built.

You must provide a site plan (see attached sample) showing deck's location. Also provide sufficient drawings and details (to show the size, shape, and construction of the deck). Such a drawing set produces a clear description of the deck.

These could include:

- Plans to ¼" scale of fully dimensional plans.
- Size, grade, species of lumber (treated or naturally decay resistant), on-center spacing of joists, and connection details.
- Size, spacing of posts, girders, bracing, and connection details.
- Size, depth, and spacing of footings.

*Pressure treated or naturally decay resistant wood must be used in the construction of exposed wooden decks.*

**RESIDENTIAL GAURDRAIL REQUIREMENTS**

**GAURDS:** IRC Section R312. R301.5 Porches, balconies, ramps, or raised floor surfaces located more than 30" above grade or a floor below shall have guards not less than 36" in height. Open sides of stairs with a total rise of more than 30" above the floor or grade below shall have guards not less than 34" in ht. Measured vertically from the nosing of the treads. Open side of guards shall be designed such that a sphere 4" in diameter cannot pass through. *Exceptions:* 1) *The triangular openings formed by the riser, tread and bottom rail of a guard at the open side of a stairway are permitted to be of such size that sphere 6-inches cannot pass through.* 2) *Openings for required guards on the sides of stair treads shall not allow a sphere 4-3/8 inches to pass through.* Handrail assemblies and guards shall be able to resist a single concentrated load of 200 lbs., applied in any direction at any point along the top, and have attachment devices and supporting structure to transfer this loading to appropriate structural elements of the building. Intermediate rails (all those except the handrail), balusters and panel fillers shall be designed to withstand a horizontally applied normal load of 50 lbs. On an area equal to 1 sq. ft., including openings and space between rails.

**STAIR REQUIREMENTS**

**STAIR TREADS & RISERS:** IRC Section 311.5.3 the maximum riser height shall be 7 ¾". The greatest riser height within any flight of stairs shall not exceed the smallest by more than 3/8". The minimum tread depth shall be 10". The tread depth within any flight of stairs shall not exceed the smallest by more than 3/8". A nosing not less than ¾" but not more

than 1 ¼" shall be provided on stairways with solid risers. Open risers are permitted, provided that the opening does not permit the passage of a 4" diameter sphere. *Exception: Nosing is not required where the tread depth is at least 11". The opening between adjacent treads is not limited on stairs with a total rise of 30" or less.*

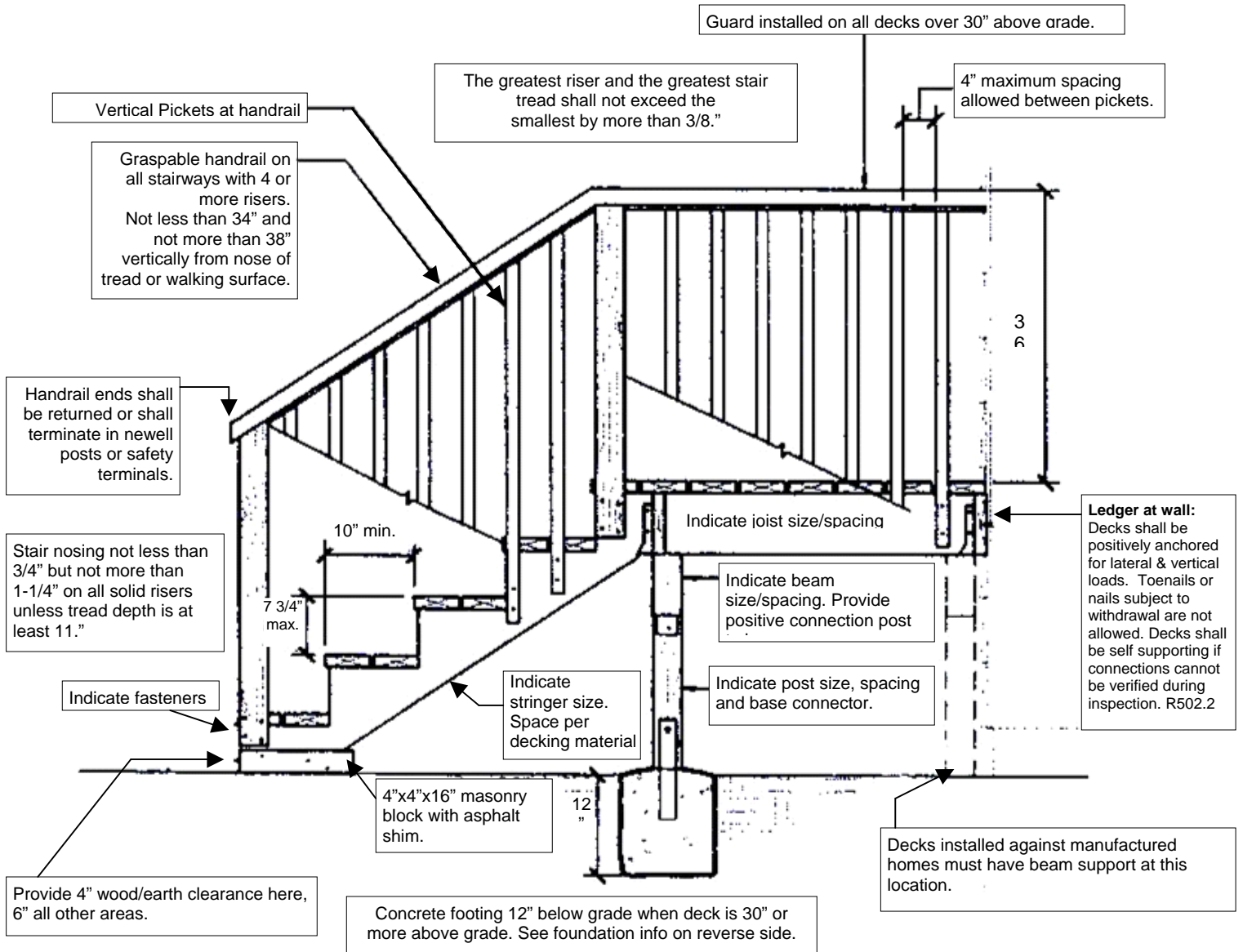
**STAIR WIDTH:** IRC Section R311.5.1 Stairways shall not be less than 36" in clear width at all points above the handrail height and below the required headroom height. Handrails shall not project more than 4 ½" on either side of the stairway and the minimum clear width of the stairway at and below the handrail height, including treads and landings, shall not be less than 31 ½" where the handrail is installed on one side and 27" where handrails are installed on both sides.

**ILLUMINATION:** IRC Section R303.6, R311.5.7 All interior and exterior stairways shall be provided with a means to illuminate the stairs, including landings and treads. Interior stairways shall be provided with an artificial light source located in the immediate vicinity of each landing of the stairway. Exterior stairways shall be provided with a light source located in the immediate vicinity of the top of the landing of the stairway. Exterior stairways providing access to a basement from the outside grade level shall be provided with an artificial light source located in the immediate vicinity of the bottom landing of the stairway. Where lighting outlets are installed in the interior stairways, there shall be a wall switch at each floor level to control the lighting outlet where the stairway has 6 or more risers. The illumination of exterior stairways shall be controlled from inside the dwelling unit.

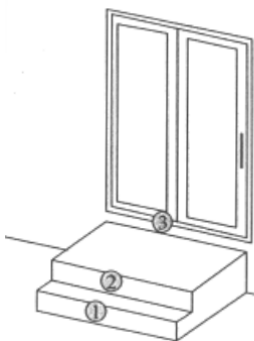
**HANDRAILS:** IRC Section R311.5.6, R311.5.1 All stairways with 4 or more risers shall have at least one handrail. Such handrails shall be placed neither less than 34" nor more than 38" above the nosing of the treads. Handrails for stairways shall be continuous for the full length of the flight, from a point directly above the top riser to a point directly above the lowest riser. Handrail ends shall be returned or terminate in newel posts or safety terminals. Handrails adjacent to the wall shall have a space not less than 1 ½" between the wall and the handrail. Circular handrails shall have an outside diameter of at least 1 ¼" and not greater than 2". Handrails with a perimeter greater than 6 ¼" shall provide a graspable finger recess area on both sides. See handrail option in IRC Section 311.5.6.3 for additional handgrip requirements. Handrails shall not project more than 4 ½" on either side of the stairway. See #34, stairway width for additional information. ***Refer to handout.***

# City of Shelton Building Department

## Deck, Stair, Landing and Guard Detail



### Typical Door with 3 Risers



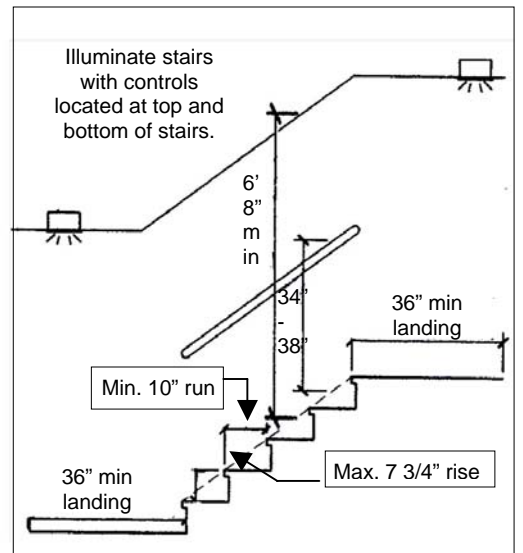
Landings are required on each side of each exterior door.  
*Exception: A landing is not required with two or fewer risers.*

Landings shall not be more than 1-1/2" lower than the top of the threshold.

*Exception:* The landing shall not be more than 7-3/4" lower than the threshold provided the door does not swing over the landing.

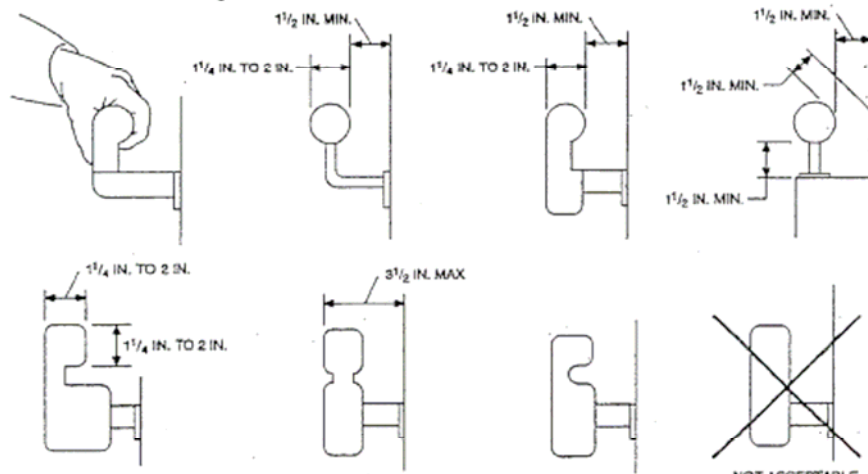
### CONSTRUCTION MATERIALS

Decay resistant woods heartwood of redwood, cedar, black locust and pressure preservative treated wood are all acceptable material for use in deck construction. Field applied treatment is not an acceptable method. Fasteners for pressure preservative treated woods shall be of hot-dipped galvanized steel, stainless steel, silicon bronze or copper. Field cut ends, notches and drilled holes of pressure preservative treated wood shall be retreated in the field in accordance with AWPA M4.  
 IRC R319 & R320.

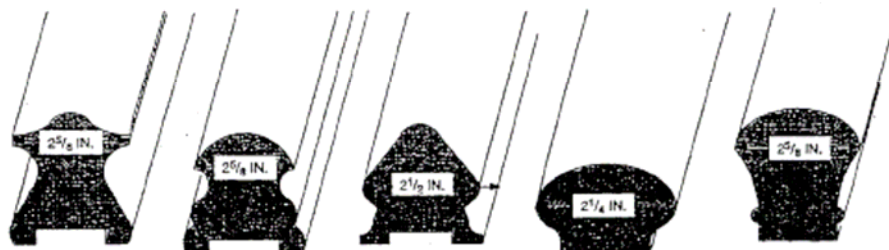


## Handrail Details

All stairways with 4 or more risers shall have at least one handrail. Such handrails shall be placed not less than 34" nor more than 38" above the nose of the treads and shall be continuous for the full length of the flight. Handrail ends shall be returned or terminate in the newel post or safety terminals. Handrails adjacent to the wall shall have a space not less than 1 1/2" between the wall and the handrail. Circular handrails shall have an outside diameter of at least 1 1/4" and not more than 2." Handrails with a perimeter greater than 6 1/4" shall provide a graspable finger recess on both sides. Handrails shall not project more than 4 1/2" on either side of the stairway. IRC R311



NOTE: Other shapes may be acceptable if they provide an equivalent gripping surface. See third paragraph of Section 1003.3.3.6.



## FOUNDATION SUPPORT SYSTEMS

- Decks 30" or less above grade: Minimum 12"x12" manufactured pier.
- Deck 30" to 5'0" above grade: Minimum 14"x14" manufactured pier set 12" below grade.
- Decks greater than 5'0" above grade: Minimum 18"x18"x18" poured in place footing set 12" below grade.

All deck posts shall have a positive post to footing and positive post to beam connection.

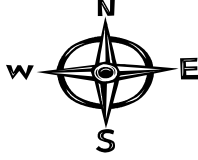
Deck height is measured at the lowest point within 5'0" beyond the walking surface of the deck.

# **PLOT PLAN**

ADDRESS:

LEGAL DESCRIPTION:

This form need not be used if plot plans drawn to scale of not less than 1"=20' are filed on a separate sheet with the permit application. (Each building site must have a separate plot plan.)



Graph squares are 5' x 5' or 1"=20'

