



STATE OF WASHINGTON
STATE BUILDING CODE COUNCIL

1. State Building Code to be Amended:

- | | |
|--|---|
| <input type="checkbox"/> International Building Code | <input type="checkbox"/> International Mechanical Code |
| <input type="checkbox"/> ICC ANSI A117.1 Accessibility Code | <input type="checkbox"/> International Fuel Gas Code |
| <input type="checkbox"/> International Existing Building Code | <input type="checkbox"/> NFPA 54 National Fuel Gas Code |
| <input checked="" type="checkbox"/> International Residential Code | <input type="checkbox"/> NFPA 58 Liquefied Petroleum Gas Code |
| <input type="checkbox"/> International Fire Code | <input type="checkbox"/> Wildland Urban Interface Code |

Uniform Plumbing Code

For the Washington State Energy Code, please see specialized [energy code forms](#)

Section(s): WAC 51-51-0507

Title: Deck lateral load connections

2. Proponent Name (Specific local government, organization or individual):

Proponent: IRC TAG

Title: TAG

Date: 12/12/2018

3. Designated Contact Person:

Name: Richard Brown

Title: Managing Director of the SBCC

Address: Olympia, WA

Office Phone: (360) 407-9277

Cell: ()

E-Mail address: richard.brown@des.wa.gov

4. Proposed Code Amendment.

Code(s): WAC 51-51-0507 Section(s) Deck lateral load connections

Amend section to read as follows:

WAC 51-51-0507

Section R507—Decks.

R507.2.4.9.2 Lateral load connection. Lateral ~~load connection required by Section R507.1 loads~~ shall be ~~permitted to be in accordance~~ transferred to the ground or to a structure capable of transmitting them to the ground. Where the lateral load connection is provided in accordance with Figure R507.2.3.9.2(1) ~~or R507.2.3(2)~~, ~~Where the lateral load connection is provided in accordance with Figure R507.2.3(1)~~, hold-down tension devices shall be installed in not less than two locations per deck, within 24 inches of each end of the deck. Each device shall have an allowable stress design capacity of not less than 1500 pounds (6672 N). Where the lateral load connections are provided in accordance with Figure R507.2.3.9.2(2), the hold-down tension devices shall be installed in not less than four locations per deck, and each device shall have an allowable stress design capacity of not less than 750 pounds (3336 N).

EXCEPTION: Decks not more than 30 inches above grade at any point may be unattached.

Table R507.2.9.1 Placement of Lag Screws and Bolts in Deck Ledgers and Band Joists

MINIMUM END AND EDGE DISTANCES AND SPACING BETWEEN ROWS				
	TOP EDGE	BOTTOM EDGE	ENDS	ROW SPACING
Ledger ^a	2 inches ^d	3/4 inch	2 inches ^b	1 5/8 inches ^b
Band joist ^c	3/4 inch	2 inches ^e	2 inches ^b	1 5/8 inches ^b

For SI: 1 inch = 25.4 mm.

- a Lag screws or bolts shall be staggered from the top to the bottom along the horizontal run of the deck ledger in accordance with Figure R507.2.1(1).
- b Maximum 5 inches.
- c For engineered rim joists, the manufacturer's recommendations shall govern.
- d The minimum distance from bottom row of lag screws to the top edge of the ledger shall be in accordance with Figure R507.2.1(1).
- e The 2 inches may be reduced to 3/4 inch when the band joist is directly supported by a mudsill, a header or by double top wall plates.

5. Briefly explain your proposed amendment, including the purpose, benefits and problems addressed.

2018 language is acceptable as noted and the WAC needed to be updated to synchronize with revised section numbers and titles of the 2018 IRC

6. Specify what criteria this proposal meets. You may select more than one.

- The amendment is needed to address a critical life/safety need.
- The amendment clarifies the intent or application of the code.
- The amendment is needed to address a specific state policy or statute.
- The amendment is needed for consistency with state or federal regulations.
- The amendment is needed to address a unique character of the state.
- The amendment corrects errors and omissions.

7. Is there an economic impact: Yes No

Explain:

Please send your completed proposal to: sbcc@des.wa.gov

All questions must be answered to be considered complete. Incomplete proposals will not be accepted.