WSR 21-16-006 PERMANENT RULES BUILDING CODE COUNCIL

[Filed July 22, 2021, 12:32 p.m., effective August 22, 2021]

Effective Date of Rule: Thirty-one days after filing. Purpose: After adoption and publication of the amendments to the 2018 International Residential Code, chapter 51-51 WAC, errors and omissions of an editorial nature were discovered; these must be corrected to ensure consistent enforcement of the code. Citation of Rules Affected by this Order: Amending 1. Statutory Authority for Adoption: RCW 19.27.031. Other Authority: RCW 19.27.074. Adopted under notice filed as WSR 21-08-080 on April 7, 2021. Number of Sections Adopted in Order to Comply with Federal Statute: New 0, Amended 0, Repealed 0; Federal Rules or Standards: New 0, Amended 0, Repealed 0; or Recently Enacted State Statutes: New 0, Amended 1, Repealed 0. Number of Sections Adopted at the Request of a Nongovernmental Entity: New 0, Amended 0, Repealed 0. Number of Sections Adopted on the Agency's own Initiative: New 0, Amended 0, Repealed 0. Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 0, Repealed 0. Number of Sections Adopted using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 0, Amended 0, Repealed 0. Date Adopted: June 18, 2021.

Diane Glenn Chair

OTS-2975.1

AMENDATORY SECTION (Amending WSR 20-21-041, filed 10/13/20, effective 11/13/20)

WAC 51-51-0507 Section R507-Decks.

R507.1 Decks. Wood-framed decks shall be in accordance with this section. Decks shall be designed for the live load required in Section R301.5 or the ground snow load indicated in Table R301.2(1), whichever is greater. For decks using materials and conditions not prescribed in this section, refer to Section R301.

TABLE R507.3.1 MINIMUM FOOTING SIZE FOR DECKS

Certified on 10/7/2021 [1]

		SOIL BE	ARING CAP	ACITY ^{acd}						
		1500 psf			2000 psf			≥ 3000 psf		
LIVE OR GROUND SNOW LOAD ^b (psf)	TRIBUTARY AREA ^c (sq.ft.)	Side of a square footing (inches)	Diameter of a round footing (inches)	Thickness ^f (inches)	Side of a square footing (inches)	Diameter of a round footing (inches)	Thickness ^f (inches)	Side of a square footing (inches)	Diameter of a round footing (inches)	Thickness ^f (inches)
60 Live or	5	7	8	6	7	8	6	7	8	6
70 Ground Snow	20	12	14	6	11	13	6	9	10	6
Load	40	18	20	6	15	17	6	12	14	6
	60	21	24	8	19	21	6	15	17	6
	80	25	28	9	21	24	8	18	20	6
	100	28	31	11	24	27	9	20	22	7
	120	30	34	12	26	30	10	21	24	8
	140	33	37	13	28	32	11	23	26	9
	160	35	40	15	30	34	12	25	28	9

For SI: 1 inch = 25.4 mm, 1 square foot = 0.0929 m^2 , 1 pound per square foot = 0.0479 kPa.

a. Interpolation permitted, extrapolation not permitted.

b. Reserved.

c. Footing dimensions shall allow complete bearing of the post.d. If the support is a brick or CMU pier, the footing shall have a minimum 2-inch projection on all sides.

Area, in square feet, of deck surface supported by post and footings. Area, in square teet, or users surface supported by permit
 f. Minimum thickness shall only apply to plain concrete footings,

R507.4 Deck posts. For single-level decks, wood post size shall be in accordance with Table R507.4.

TABLE R507.4 DECK POST HEIGHT

			MAXIM (feet-incl	UM DECK 1es)	POST HE	IGHT ^a							
LOADS ^b			Tributary Area ^{g,h} (sq. ft.)										
(psf)	POST SPECIES ^c	POST SIZE ^d	20	40	60	80	100	120	140	160			
60 Live Load,	Douglas I II, Hell III,	4 x 4	14-0	10-10	8-7	7-0	5-8	4-1	NP	NP			
≤60 Ground Snow Load	SPF ^e	4 x 6	14-0	13-10	11-1	9-5	8-2	7-3	6-4	5-4			
		6 x 6	14-0	14-0	14-0	14-0	14-0	13-3	10-9	6-11			
		8 x 8	14-0	14-0	14-0	14-0	14-0	14-0	14-0	14-0			
	Redwood ^f , Western	4 x 4	14-0	10-3	7-0	NP	NP	NP	NP	NP			
	Cedars ^f , Ponderosa	4 x 6	14-0	13-6	10-6	8-4	5-10	NP	NP	NP			
	Pine ^f , Red Pine ^f	6 x 6	14-0	14-0	14-0	14-0	11-11	NP	NP	NP			
		8 x 8	14-0	14-0	14-0	14-0	14-0	14-0	14-0	14-0			
70 Ground	Douglas Fir ^e , Hem-fir ^e ,	4 x 4	14-0	10-1	7-11	6-6	5-3	3-7	NP	NP			
Snow Load	SPF ^e	4 x 6	14-0	12-10	10-3	8-9	7-7	6-8	5-10	4-11			
		6 x 6	14-0	14-0	14-0	14-0	14-0	12-2	9-9	5-9			
		8 x 8	14-0	14-0	14-0	14-0	14-0	14-0	14-0	14-0			
	Redwood ^f , Western Cedars ^f , Ponderosa Pine ^f , Red Pine ^f	4 x 4	14-0	9-5	6-5	NP	NP	NP	NP	NP			
		4 x 6	14-0	12-6	9-8	7-7	5-3	NP	NP	NP			
		6 x 6	14-0	14-0	14-0	14-0	10-8	NP	NP	NP			
		8 x 8	14-0	14-0	14-0	14-0	14-0	14-0	14-0	14-0			

For SI: 1 inch = 25.4 mm, 1 square foot = 0.0929 m², 1 pound per square foot = 0.0479 kPa, NP = Not permitted.

a. Measured from the underside of the beam to top of footing or pier.

b. 10 psf dead load. Snow load not assumed to be concurrent with live load.

c. No. 2 grade, wet service factor included.

d. Notched deck posts shall be sized to accommodate beam size per in accordance with Section R507.5.2.

Includes incising factor. e.

f. Incising factor not included.

- Area, in square feet, of deck surface supported by post and footing. g. Area, in square reet, or user surface surf

R507.5 Deck beams. Maximum allowable spans for wood deck beams, as shown in Figure R507.5, shall be in accordance with Table((s)) R507.5((((1) through R507(4))). Beam plies shall be fastened with two

rows of 10d (3-inch × 0.128-inch) nails minimum at 16 inches (406 mm) on center along each edge. Beams shall be permitted to cantilever at each end up to one-fourth of the allowable beam span. Deck beams of other materials shall be permitted where designed in accordance with accepted engineering practices.

		MAXIMUM (feet-inches)	BEAM SPAN	a,b,f						
		Deek Joist Span^{a,i} (feet)								
((BEAM SPECIES ^d	BEAM SIZE ^e	6	8	10	12	1 4	16	18))		
				DE	<u>CK JOIST SPA</u> (feet)	AN ^{a,i}				
	BEAM SIZE ^e	<u>6</u>	<u>8</u>	<u>10</u>	<u>12</u>	<u>14</u>	<u>16</u>	<u>18</u>		
BEAM SPECIES ^d				MAXIN	MUM BEAM S (feet-inches)	PAN ^{a,b,f}				
Douglas fir-larch ^g ,	1-2×6	3-5	2-10	2-5	2-2	2-0	1-10	1-9		
Hem-fir ^g ,	1-2×8	4-7	3-8	3-2	2-10	2-7	2-5	2-4		
Spruce-pine-fir ^g	1-2×10	5-8	4-9	4-1	3-8	3-4	3-1	2-11		
	1-2×12	6-7	5-8	5-0	4-6	4-1	3-10	3-7		
	2-2×6	5-2	4-6	4-0	3-5	3-1	2-10	2-7		
	2-2×8	6-11	6-0	5-3	4-7	4-1	3-8	3-5		
	2-2×10	8-5	7-4	6-6	5-10	5-2	4-9	4-5		
	2-2×12	9-10	8-6	7-7	6-11	6-4	5-9	5-4		
	3-2×6	6-6	5-7	5-0	4-7	4-2	3-9	3-5		
	3-2×8	8-8	7-6	6-8	6-1	5-6	5-0	4-7		
	3-2×10	10-7	9-2	8-2	7-6	6-11	6-4	5-10		
	3-2×12	12-4	10-8	9-7	8-9	8-1	7-7	7-1		
Redwood ^h , Western	1-2×6	3-6	2-11	2-6	2-3	2-0	1-11	1-9		
Cedars ^h , Ponderosa Pine ^h , Red Pine ^h	1-2×8	4-6	3-10	3-3	2-11	2-8	2-6	2-4		
Red Pine"	1-2×10	5-6	4-9	4-2	3-9	3-5	3-2	3-0		
	1-2×12	6-4	5-6	4-11	4-6	4-2	3-11	3-8		
	2-2×6	5-3	4-7	4-1	3-6	3-2	2-11	2-8		
	2-2×8	6-8	5-9	5-2	4-8	4-2	3-10	3-6		
	2-2×10	8-2	7-1	6-4	5-9	5-4	4-10	4-6		
	2-2×12	9-5	8-2	7-4	6-8	6-2	5-9	5-5		
	3-2×6	6-4	5-8	5-1	4-8	4-3	3-10	3-6		
	3-2×8	8-4	7-3	6-5	5-11	5-5	5-1	4-8		
	3-2×10	10-2	8-10	7-11	7-2	6-8	6-3	5-11		
	3-2×12	11-10	10-3	9-2	8-4	7-9	7-3	6-10		

	TABLE R507.5								
MAXIMUM	DECK	BEAM	SPAN	-	60	PSF	LIVE	LOAD	or
	70	PSF (GROUNI	5 S	SNO	I LO	ADC		

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound per square foot = 0.0479 kPa, 1 pound = 0.454 kg.

or SI: 1 inch = 25.4 mm, 1 toot = 304.8 mm, 1 pound per square foot = 0.04 /9 kPa, 1 pound = 0.454 kg.
a. Interpolation allowed. Extrapolation is not allowed.
b. Beams supporting a single span of joists with or without cantilever.
c. Dead load = 10 psf, L/Δ = 360 at mainspan, L/Δ = 180 at cantilever. Snow load not assumed to be concurrent with live load.
d. No. 2 grade, wet service factor included.
e. Beam depth shall be equal to or greater than the depth of intersecting joist for a flush beam connection.
f. Beam cantilevers are limited to the adjacent beam's span divided by 4.

g. Includes incising factor.h. Incising factor not included.

i. Deck joist span as shown in Figure R507.5.

((TABLE R507.5(1)

MAXIMUM DECK BEAM SPAN - 40 PSF LIVE LOAD (NOT ADOPTED)

TABLE R507.5(2)

MAXIMUM DECK BEAM SPAN - 50 PSF LIVE LOAD (NOT ADOPTED)

TABLE R507.5(3)

MAXIMUM DECK BEAM SPAN - 60 PSF LIVE LOAD^C

		DECK JOIS (feet)	T SPAN^{a,i}							
		6	8	10	12	14	16	18		
BEAM SPECIES ^d	BEAM SIZE e	MAXIMUM BEAM SPAN ^{a.b.f} (feet-inches)								
Douglas fir-larch ^g , Spruce-	1-2×6	3-8	3-1	2-8	2-4	2-2	2-0	1-10		
pine-fir ^g	1-2×8	5-0	4-1	3-6	3-1	2-10	2-7	2-5		
	1-2×10	6-1	5-2	4-6	4-0	3-7	3- 4	3-2		
	1-2×12	7-1	6-1	5-5	4-10	4-5	4-1	3-10		
	2-2×6	5-6	4 -9	4-3	3-10	3-5	3-1	2-10		
	2-2×8	7-5	6-5	5-9	5-0	4-6	4-1	3-9		
	2-2×10	9-0	7-10	7-0	6-4	5-9	5-2	4-10		
	2-2×12	10-6	9-1	8-1	7-5	6-10	6- 4	5-10		
	3-2×6	6-11	6-0	5 -4	4-11	4-6	4-2	3-10		
	3-2×8	9-3	8-0	7-2	6-6	6-1	5-6	5-0		
	3-2×10	11-4	9-10	8-9	8-0	7 -5	6-11	6-5		
	3-2×12	13-2	11-5	10-2	9-4	8-7	8-1	7-7		
Redwoodh, Western Cedarsh,	1-2×6	6-9	3-2	2-9	2-5	2-2	2-0	1-11		
Ponderosa Pine ^h , Red Pine ^h	1-2×8	4-10	4 -2	3-7	3-2	2-11	2-8	2-6		
	1-2×10	5-10	5-1	4-6	4-1	3-8	3-5	3-3		
	1-2×12	6-10	5-11	5-3	4-10	4-5	4-2	3-11		
	2-2×6	5-7	4-10	4-4	3-11	3-6	3-2	2-11		
	2-2×8	7-1	6-2	5-6	5-0	4-7	4-2	3-10		
	2-2×10	8-8	7-6	6-9	6-2	5-8	5-4	4-11		
	2-2×12	10-1	8-9	7-10	7-2	6-7	6-2	5-10		
	3-2×6	6-8	6-1	5-5	5-0	4-7	4-3	3-11		
	3-2×8	8-9	7-9	6-11	6-4	5-10	5-5	5-2		
	3-2×10	10-11	9-5	8-5	7-8	7-2	6-8	6-3		
	3-2×12	12-8	10-11	9-9	8-11	8-3	7-9	7-3		

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound per square foot = 0.0479 kPa, 1 pound = 0.454 kg.

or SI: 1 inch = 25.4 mm, 1 toot = 304.8 mm, 1 pound per square toot = 0.0479 kPa, 1 pound = 0.454 kg.
a. Interpolation permitted. Extrapolation not permitted.
b. Beams supporting a single span of joists with or without cantilever.
c. Dead load = 10 psf, L/A = 360 at main span, L/A = 180 at cantilever. Snow load not assumed to be concurrent with live load.
d. No. 2 grade, wet service factor included.
e. Beam depth shall be equal to or greater than the depth intersecting joist for a flush beam connection.
f. Beam cantilevers are limited to the adjacent beam's span divided by 4.
a. Induction pricing factor.

g. h.

Includes incising factor. Incising factor not included. Deck joist span as shown in Figure R507.5. ÷.

[4]

		TABL	E R507	.5(4)		
MAXIMUM	DECK	BEAM	SPAN	- 70	PSF	LIVE	LOADC

		DECK JOIS (feet)	T SPAN^{a,i}							
		6	8	10	12	14	16	18		
BEAM SPECIES ^d	BEAM SIZE e	MAXIMUM BEAM SPAN ^{a,b,f} (feet-inches)								
Douglas fir-larch ^g , Spruce-	1-2×6	3-5	2-10	2-5	2-2	2-0	1-10	1-9		
pine-fir ^g	1-2×8	4-7	3-8	3-2	2-10	2-7	2-5	2- 4		
	1-2×10	5-8	4-9	4-1	3-8	3-4	3-1	2-11		
	1-2×12	6-7	5-8	5-0	4 -6	4-1	3-10	3-7		
	2-2×6	5-2	4-6	4-0	3-5	3-1	2-10	2-7		
	2-2×8	6-11	6-0	5-3	4-7	4-1	3-8	3-5		
	2-2×10	8-5	7-4	6-6	5-10	5-2	4 -9	4-5		
	2-2×12	9-10	8-6	7-7	6-11	6-4	5-9	5-4		
	3-2×6	6-6	5-7	5-0	4-7	4-2	3-9	3-5		
	3-2×8	8-8	7-6	6-8	6-1	5-6	5-0	4-7		
	3-2×10	10-7	9-2	8-2	7-6	6-11	6-4	5-10		
	3-2×12	12-4	10-8	9-7	8-9	8-1	7-7	7-1		
Redwood ^h , Western Cedars ^h ,	1-2×6	3-6	2-11	2-6	2-3	2-0	1-11	1-9		
Ponderosa Pine ^h , Red Pine ^h	1-2×8	4-6	3-10	3-3	2-11	2-8	2-6	2-4		
	1-2×10	5-6	4-9	4 -2	3-9	3-5	3-2	3-0		
	1-2×12	6-4	5-6	4-11	4 -6	4-2	3-11	3-8		
	2-2×6	5-3	4-7	4-1	3-6	3-2	2-11	2-8		
	2-2×8	6-8	5-9	5-2	4-8	4-2	3-10	3-6		
	2-2×10	8-2	7-1	6-4	5-9	5-4	4-10	4 .6		
	2-2×12	9-5	8-2	7-4	6-8	6-2	5-9	5-5		
	3-2×6	6-4	5-8	5-1	4-8	4-3	3-10	3-6		
	3-2×8	8-4	7-3	6-5	5-11	5-5	5-1	4- 8		
	3-2×10	10-2	8-2	7-11	7-2	6-8	6-3	5-11		
	3-2×12	11-10	10-3	9-2	8-4	7-9	7-3	7		

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound per square foot = 0.0479 kPa, 1 pound = 0.454 kg.
a. Interpolation permitted. Extrapolation not permitted.
b. Beams supporting a single span of joists with or without cantilever.
c. Dead load = 10 psf, L/Δ = 360 at main span, L/Δ = 180 at eantilever. Snow load not assumed to be concurrent with live load.
d. No. 2 grade, wet service factor included.
e. Beam depth shall be equal to or greater than the depth intersecting joist for a flush beam connection.
f. Beam cantilevers are limited to the adjacent beam's span divided by 4.
g. Includes incising factor.

g. Includes incising factor. h. Incising factor not included.

i. Deck joist span as shown in Figure R507.5.))

R507.6 Deck joists. Maximum allowable spans for wood deck joists, as shown in Figure R507.6, shall be in accordance with Table R507.6. The maximum joist spacing shall be limited by the decking materials in accordance with Table R507.7.

TABLE R507.6 MAXIMUM DECK JOIST SPANS

			ALLOWABLE JOIST SPAN ^{b,c} (feet-inches)			MAXIMUM CANTILEVER ^{f.g} (feet-inches)							
LOAD ^a	JOIST	JOIST	Joist Spa (inches)	Joist Spacing (inches)			ent Joist l	Back Spa	n ^g				
(psf)	SPECIES ^b	SIZE	12	16	24	4	6	8	10	12	14	16	18
60 Live	Douglas fir-	2×6	7-11	7-1	5-9	1-0	1-6	NP	NP	NP	NP	NP	NP
Load or 70	larch ^e , Hem-fir ^e , Spruce-pine-fir ^e	2×8	10-5	9-5	7-8	1-0	1-6	2-0	2-1	NP	NP	NP	NP
Ground	Spruce-pine-fir	2×10	13-3	11-6	9-5	1-0	1-6	2-0	2-6	2-8	NP	NP	NP
Snow Load		2×12	15-5	13-4	10-11	1-0	1-6	2-0	2-6	3-0	3-3	NP	NP
	Redwood ^f ,	2×6	7-4	6-8	5-10	1-0	1-4	NP	NP	NP	NP	NP	NP
	Western Cedars ^f ,	2×8	9-8	8-10	7-4	1-0	1-6	1-11	NP	NP	NP	NP	NP
	Ponderosa Pine ^r , Red Pine ^f		12-4	11-0	9-0	1-0	1-6	2-0	2-6	2-6	NP	NP	NP
		2×12	14-9	12-9	10-5	1-0	1-6	2-0	2-6	3-0	3-0	NP	NP

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound per square foot = 0.0479 kPa, 1 pound = 0.454 kg, NP = Not permitted.

Dead load = 10 psf dead load. Snow load not assumed to be concurrent with live load.

b. No. 2 grade, wet service factor included.

c. $L/\Delta = 360$ at main span.

d. $L/\Delta = 180$ at cantilever with 220-pound point load applied to end.

e. Includes incising factor.

f. Incising factor not included.

g. Interpolation permitted. Extrapolation not permitted.

R507.9.1.2 Band joist details. Band joists supporting a ledger shall be a minimum 2-inch-nominal (51 mm), solid-sawn, spruce-pine-fir or better lumber or minimum 1-inch (25 mm) nominal engineered wood rim boards in accordance with Section R502.1.7. Band joists shall bear fully on the primary structure capable of supporting all required loads.

TABLE R507.9.1.3(1) DECK LEDGER CONNECTION TO BAND JOIST

		On-CENTER SPACING OF FASTENERS ^b (inches)							
LOAD ^c (psf)	JOIST SPAN ^a (feet)	1/2-inch diameter lag screw with 1/2-inch maximum sheathing ^{d,e}	1/2-inch diameter bolt with 1/2-inch maximum sheathing ^e	1/2-inch diameter bolt with 1-inch maximum sheathing ^f					
60 Live Load	6	22	36	35					
or 70 Ground	8	16	31	26					
Snow Load	10	13	25	21					
	12	11	20	17					
	14	9	17	15					
	16	8	15	13					
	18	7	13	11					

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound per square foot = 0.0479 kPa. a. Interpolation permitted. Extrapolation is not permitted.

b. Ledgers shall be flashed in accordance with Section R703.4 to prevent water from contacting the house band joist.

c. Dead load = 10 psf. Snow load shall not be assumed to act concurrently with live load.
 d. The tip of the lag screw shall fully extend beyond the inside face of the band joist.

Sheathing shall be wood structural panel or solid sawn lumber.

Sheathing shall be permitted to be wood structural panel, gypsum board, fiberboard, lumber or foam sheathing. Up to 1/2-inch thickness of stacked washers shall be permitted to substitute for up to 1/2 inch of allowable sheathing thickness where combined with wood structural panel or lumber sheathing.

R507.9.2 Deck lateral load connections. Lateral loads shall be 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 R507.9.2(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 R507.9.2(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 R507.9.1 PLACEMENT OF LAG SCREWS AND BOLTS IN DECK LEDGERS AND BAND JOISTS

MINIMUM END AND EDGE DISTANCES AND SPACING BETWEEN ROWS									
TOP EDGEBOTTOM EDGEROW ENDSSPACING									
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.

- 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.
- For engineered rim joists, the manufacturer's recommendations с shall govern.
- The minimum distance from bottom row of lag screws to the top d 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.

TABLE R507.9.3(1) DECK LEGER CONNECTION TO BAND JOIST

		1/2-inch diameter leg screw with 1/2-inch maximum sheathing ^{d,e}	1/2-inch diameter bolt with 1/2-inch maximum sheathing ^e	1/2-inch diameter bolt with 1-inch maximum sheathing ^f
LOAD ^c (psf)	JOIST SPAN ^a (feet)	ON-CENTER FASTENERS ^b (inches)		
60	6	25	36	36
Ground Snow	8	18	35	30
Load	10	15	28	24
	12	12	23	20
	14	10	20	17
	16	9	17	15
	18	8	15	13
70	6	22	36	35
Ground Snow	8	16	31	26
Load	10	13	25	21
	12	11	20	17
	14	9	17	15
	16	8	15	13
	18	7	13	11

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound per square foot = 0.0479 kPa.

- a.
- Interpolation permitted. Extrapolation not permitted. Legers shall be flashed in accordance with Section R703.4 to b.
- prevent water from contacting the house band joist. Dead Load = 10 psf. Snow load shall not be assumed to act concurrently with live load. c.
- The tip of the lag screw shall fully extend beyond the inside d. face of the band joist.
- Sheathing shall be wood structural panel or solid sawn lumber. e.
- Sheathing shall be permitted to be wood structural panel, gypsum board, fiberboard, lumber or foam sheathing. Up to $1/2\,$ f. inch thickness of stacked washers shall be permitted to substitute for up to 1/2 inch of allowable sheathing thickness where combined with wood structural panel or lumber sheathing.

[Statutory Authority: RCW 19.27.031 and 19.27.074. WSR 20-21-041, § 51-51-0507, filed 10/13/20, effective 11/13/20; WSR 20-03-023, § 51-51-0507, filed 1/6/20, effective 7/1/20; WSR 16-03-025, § 51-51-0507, filed 1/11/16, effective 7/1/16. Statutory Authority: RCW 19.27.031 and chapters 19.27 and 34.05 RCW. WSR 13-04-068, § 51-51-0507, filed 2/1/13, effective 7/1/13.]