

**LEGEND:**

**[X]** = PROJECT SPECIFIC DECK COMPONENT DESIGN PARAMETER TO BE PROVIDED BY APPLICANT ON SHEET S12

**[RXXX.X]** = 2023 ORSC SECTION REFERENCE

**APPROVED** = ACCEPTABLE TO THE BUILDING OFFICIAL [R202]

**GENERAL NOTES**

**SCOPE**

SINGLE LEVEL EXTERIOR DECKS ATTACHED TO THE EXTERIOR WALL OF A ONE- OR TWO-FAMILY DWELLING.

**APPLICABLE BUILDING CODE**

2023 OREGON RESIDENTIAL SPECIALTY CODE (ORSC).

**LIMITATIONS OF USE**

USE OF AND ANY MODIFICATIONS TO THESE READY-BUILD PLANS IS SUBJECT TO REVIEW AND APPROVAL BY THE BUILDING DEPARTMENT HAVING JURISDICTION.

- A. ULTIMATE WIND SPEED: 105-135MPH
- B. WIND EXPOSURE CATEGORY: B, C, OR D
- C. SEISMIC DESIGN CATEGORY: C, D<sub>1</sub>, OR D<sub>2</sub>
- D. GROUND SNOW LOAD: < 40 PSF

DECKS SUPPORTING LARGE CONCENTRATED LOADS SUCH AS HOT TUBS ARE BEYOND THE SCOPE OF THIS DOCUMENT.

APPLICANT SHALL USE THE CODE PRESCRIBED TABLES CONTAINED HEREIN AND RECORD THEIR PROJECT SPECIFIC DESIGN PARAMETERS (**[X]**) ON SHEET **S12** PRIOR TO PERMIT APPLICATION.

**FOUNDATION**

FOOTINGS SHALL BEAR ON NATIVE, INORGANIC, UNDISTURBED SOIL BELOW EXISTING GRADE. CONCRETE STRENGTH SHALL BE 3,000 PSI IN MODERATE WEATHERING REGIONS AND 3,500 PSI IN SEVERE WEATHERING REGIONS (SEE DETAIL 1/S11) [R301.2 AND R402.2].

**WOOD FRAMING**

ALL WOOD SHALL BE *APPROVED* NATURALLY DURABLE OR PRESSURE-PRESERVATIVE-TREATED (R317.1). ALL WOOD IN CONTACT WITH THE GROUND, OR EMBEDDED IN CONCRETE SHALL BE *APPROVED* PRESSURE-PRESERVATIVE-TREATED WOOD SUITABLE FOR GROUND CONTACT USE (R317.1.2). ALL CUTS SHALL BE FIELD TREATED WITH COPPER NAPHTHENATE (2% COPPER) [R402.1.2].

**FASTENERS, ANCHORS, AND CONNECTORS**

FASTENERS SHALL BE HOT-DIPPED GALVANIZED, STAINLESS STEEL, OR *APPROVED* FOR USE WITH PRESERVATIVE-TREATED LUMBER. COATING TYPES FOR FRAMING ANCHORS SHALL BE IN ACCORDANCE WITH MFR'S RECOMMENDATIONS (SHALL BE PROVIDED WITH SUBMITTAL) [R317.3].

READY-BUILD PLAN PROGRAM

**PRESCRIPTIVE DECK**

2023 ORSC

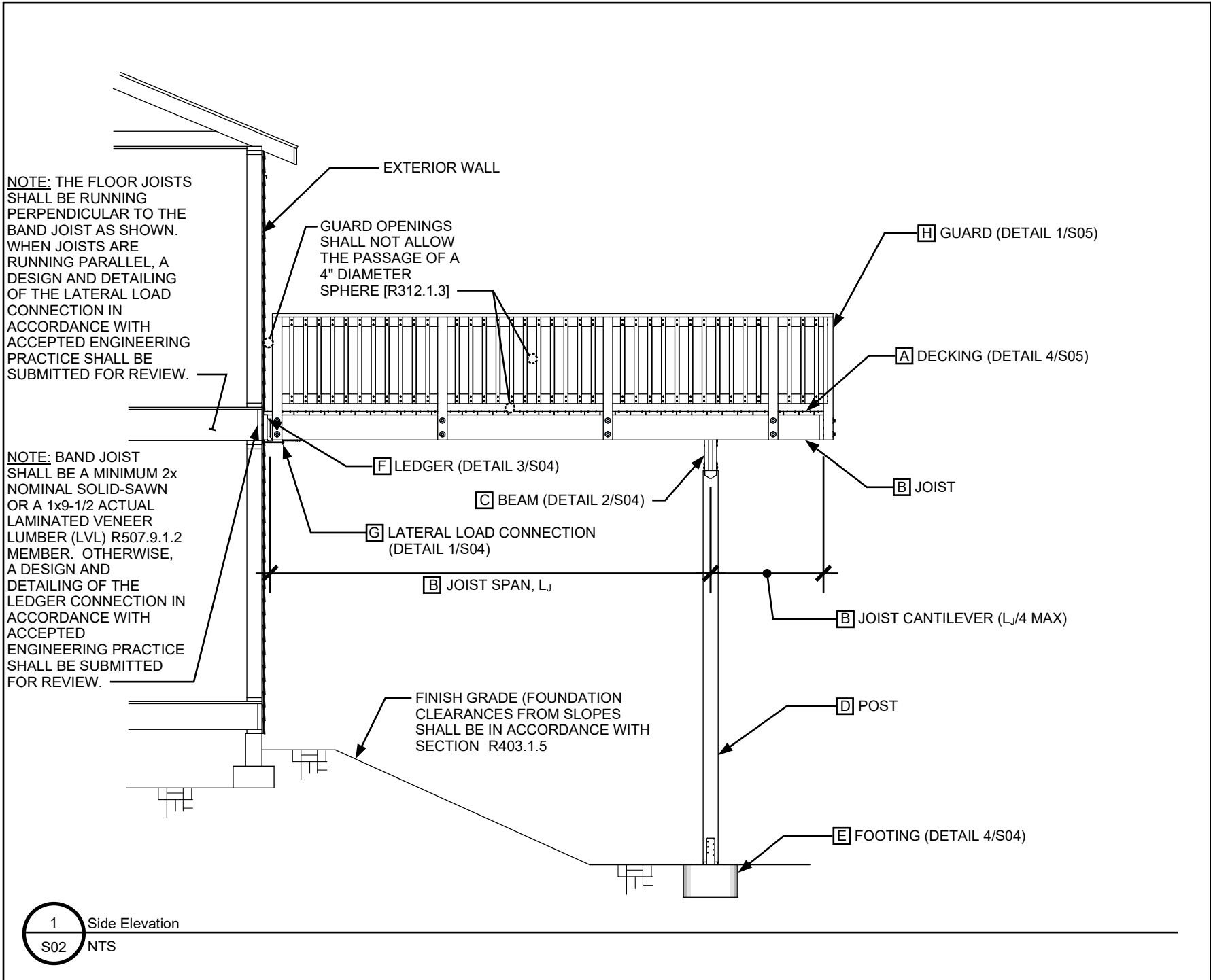
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General Notes

**S01**



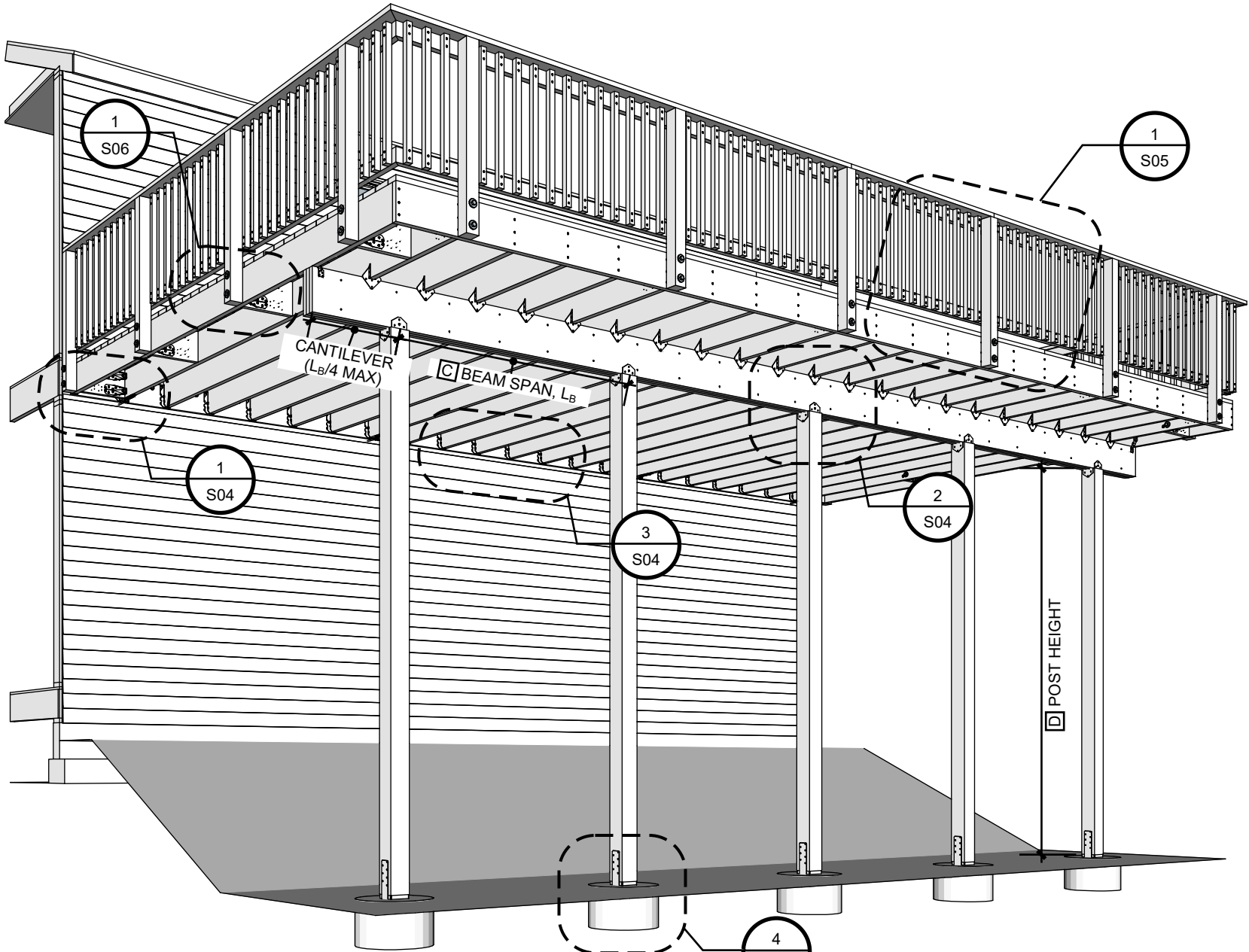
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Elevation  
**S02**



1 Deck Perspective  
S03 NTS

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**PRESCRIPTIVE DECK**

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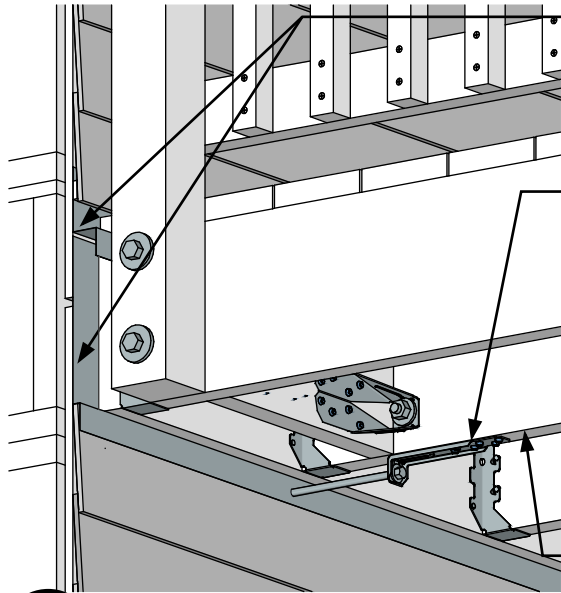
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Perspective

**S03**

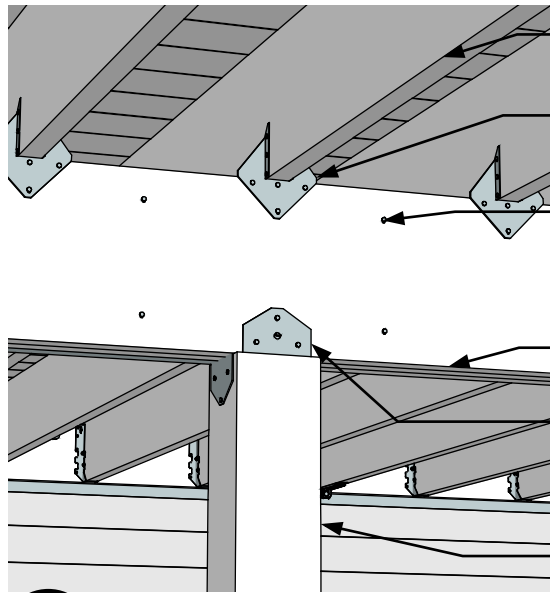


CORROSION-RESISTANT FLASHING INSTALLED IN SHINGLE-FASHION FOR WATER TIGHTNESS WHERE DECK MEETS EXTERIOR WALL [R703.4]

**G** HOLD-DOWN DEVICE WITH MIN 750 LB. CAPACITY AT 4 LOCATIONS, EVENLY DISTRIBUTED ALONG DECK AND ONE WITHIN 24" OF EACH END OF THE LEDGER. DEVICE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS [R507.9.2]. SEE DETAIL 2/S06 FOR ALTERNATE CONNECTION

**B** DECK JOIST PER DETAIL 2/S07

1 Lateral load connection  
S04 NTS



**B** DECK JOIST PER DETAIL 1/S07, TYP

APPROVED JOIST TO BEAM CONNECTOR R507.6.2

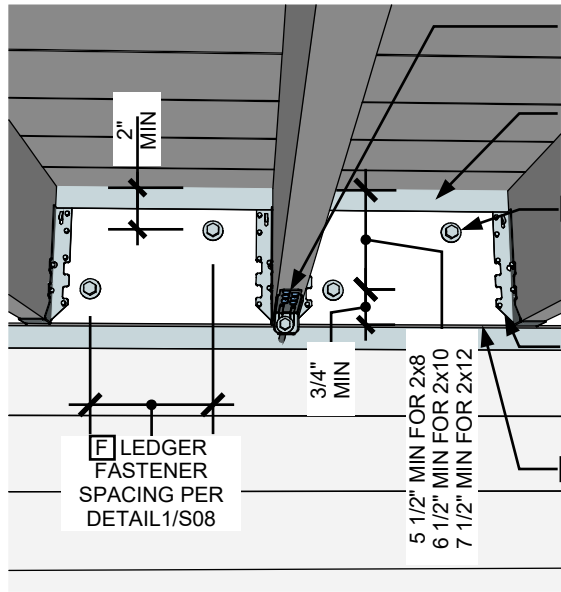
BEAM PLIES SHALL BE FASTENED WITH (2) ROWS OF 10D NAILS MIN AT 16" O.C. ALONG EACH EDGE R507.5.1

**C** DECK BEAM PER DETAIL 1/S09

APPROVED BEAM TO POST CONNECTOR R507.5.2.1(1) SEE DETAIL 3/S06 FOR ALTERNATE CONNECTION

**D** DECK POST PER DETAIL 2/S09

2 Joist to beam and beam to post connection  
S04 NTS



**G** LATERAL LOAD CONNECTION PER DETAIL 1/S04 OR 2/S06

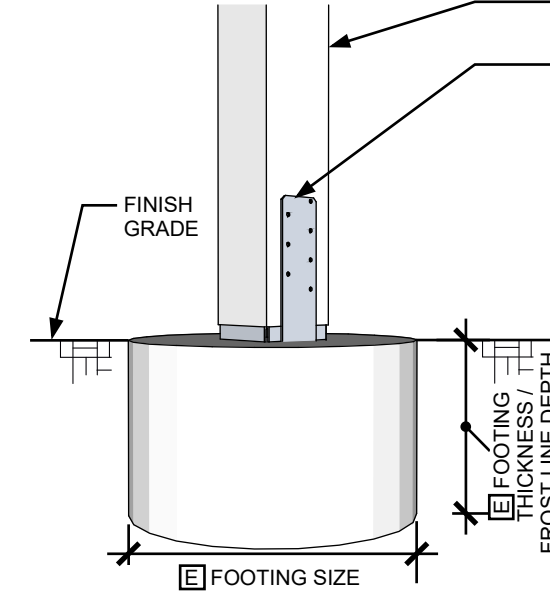
FLASHING BETWEEN DECK AND EXTERIOR WALL PER DETAIL 1/S04

**F** DECK LEDGER FASTENING PER DETAILS 1/S08 AND 2/S08, STAGGERED AS SHOWN

APPROVED JOIST HANGER WITH DEPTH NOT LESS THAN 60% OF JOIST DEPTH R507.6.1

**F** DECK LEDGER (2x8 MINIMUM) PER DETAIL 1/S12 EQUAL TO OR GREATER THAN THE DECK JOIST DEPTH

3 Ledger connection  
S04 NTS



**D** DECK POST PER DETAIL 2/S09

APPROVED POST TO FOOTING CONNECTOR INSTALLED IN ACCORDANCE WITH MFR'S INSTRUCTIONS [R507.4.1]

FINISH GRADE

**E** FOOTING THICKNESS / FROST LINE DEPTH

**E** FOOTING SIZE PER 1/S10

NOTE: SEE DETAIL 4/S06 FOR ALTERNATE POST TO FOOTING CONNECTIONS

4 Post to footing connection  
S04 NTS

READY-BUILD PLAN PROGRAM

**PRESCRIPTIVE DECK**

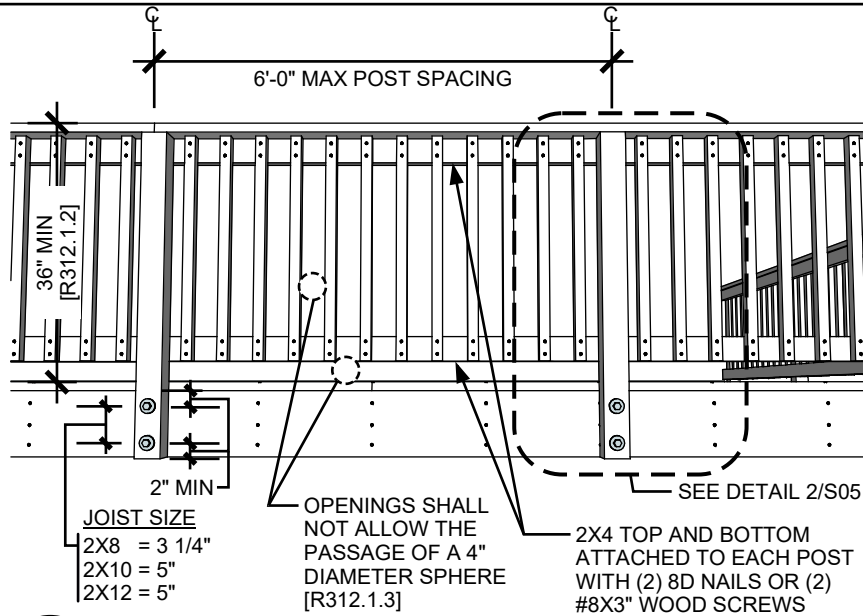
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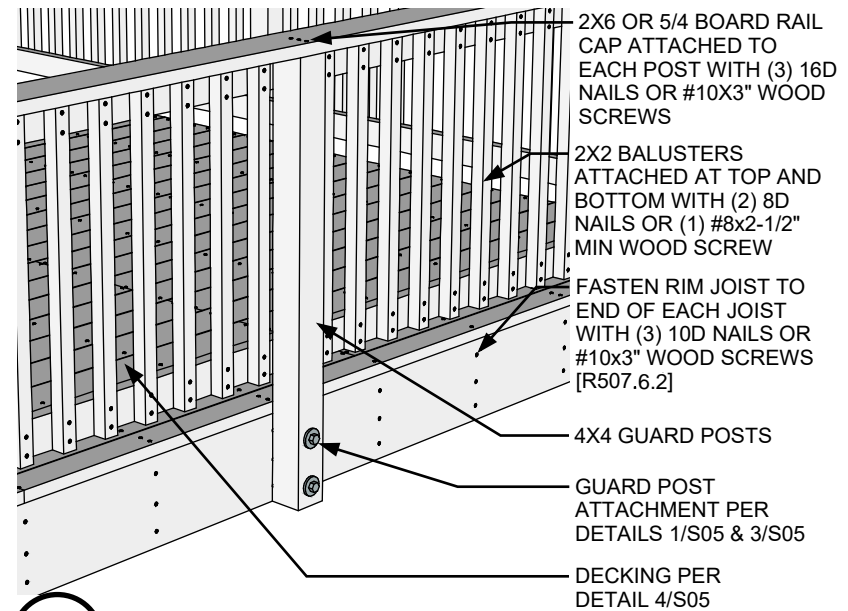
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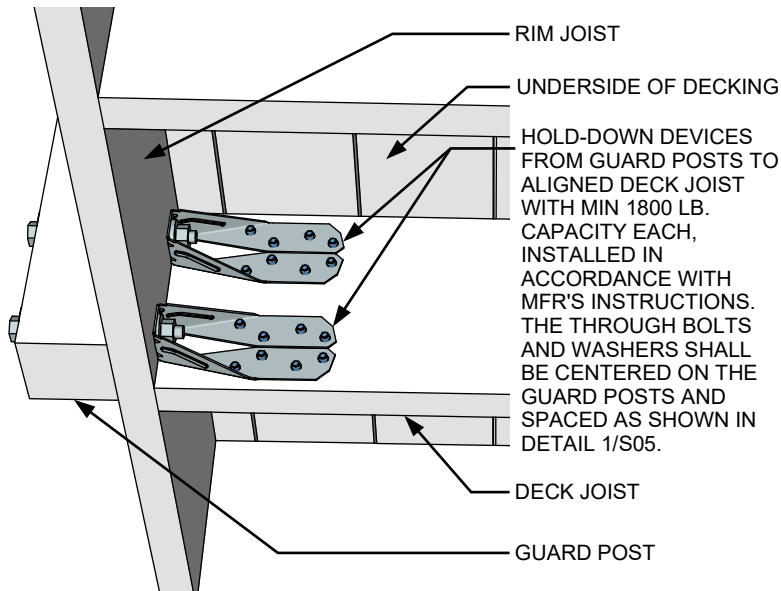
**S04**



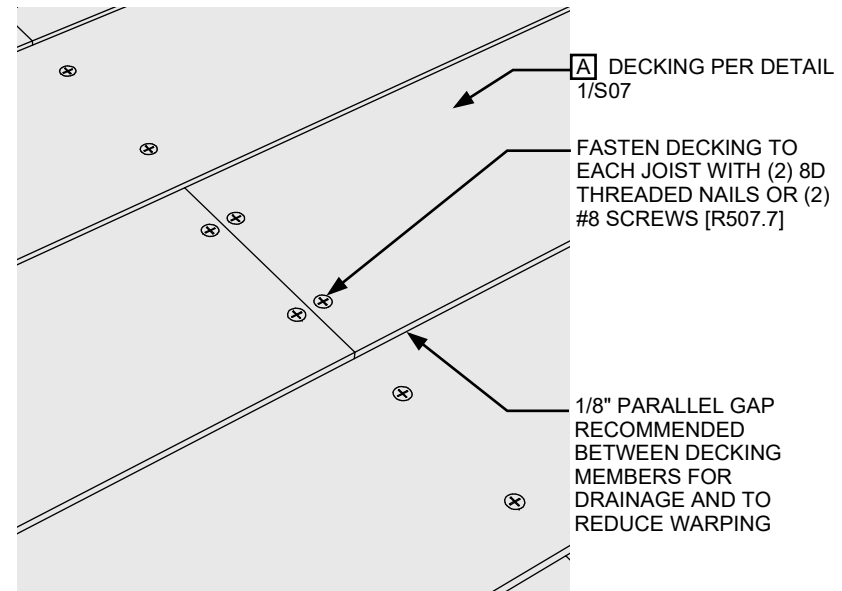
1 Deck guard  
 S05 NTS



2 Deck guard  
 S05 NTS



3 Guard post to joist connection  
 S05 NTS



4 Decking connection  
 S05 NTS

READY-BUILD PLAN PROGRAM

**PRESCRIPTIVE DECK**

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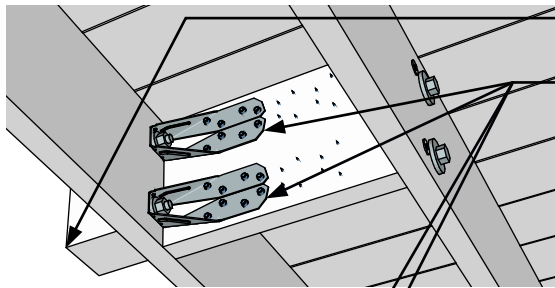
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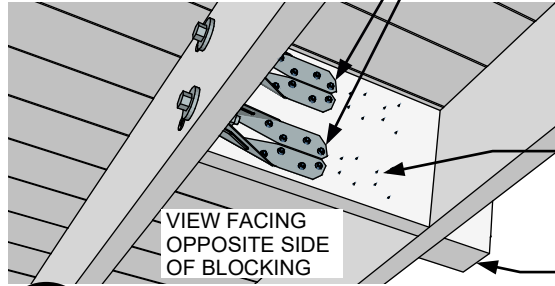
Details

**S05**



GUARD POST

HOLD-DOWN DEVICES FROM GUARD POSTS TO ALIGNED BLOCKING AND FROM ALIGNED BLOCKING TO ADJACENT JOIST WITH MIN 1800 LB. CAPACITY EACH, INSTALLED IN ACCORDANCE WITH MFR'S INSTRUCTIONS. THE THROUGH BOLTS AND WASHERS SHALL BE CENTERED ON THE GUARD POSTS AND SPACED AS SHOWN IN DETAIL 1/S05.

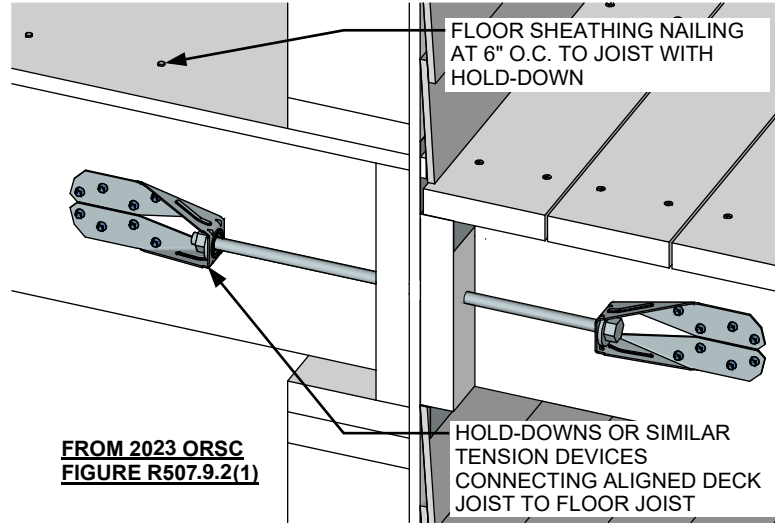


ATTACH ALIGNED BLOCKING TO JOISTS WITH (2) 10d THREADED NAILS OR WOOD SCREWS EACH END

VIEW FACING OPPOSITE SIDE OF BLOCKING

GUARD POST

1 Guard post to blocking connection  
S06 NTS



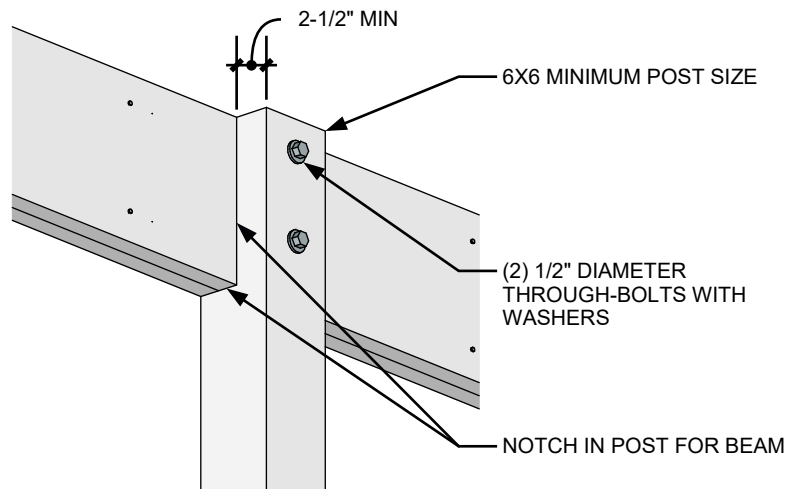
FROM 2023 ORSC  
FIGURE R507.9.2(1)

FLOOR SHEATHING NAILING AT 6" O.C. TO JOIST WITH HOLD-DOWN

HOLD-DOWNS OR SIMILAR TENSION DEVICES CONNECTING ALIGNED DECK JOIST TO FLOOR JOIST

NOTE: HOLD-DOWN TENSION DEVICES PER THIS DETAIL SHALL HAVE 1,500 LB. MINIMUM CAPACITY, BE INSTALLED IN NOT LESS THAN TWO LOCATIONS, AND BE WITHIN 24 INCHES OF EACH END OF DECK.

2 Alternate deck attachment for lateral loads  
S06 NTS



FROM 2023 ORSC FIGURE R507.5.2(1)

NOTE: ALL BOLTS SHALL HAVE WASHERS UNDER THE HEAD AND NUT.

3 Alternate beam to post connection  
S06 NTS

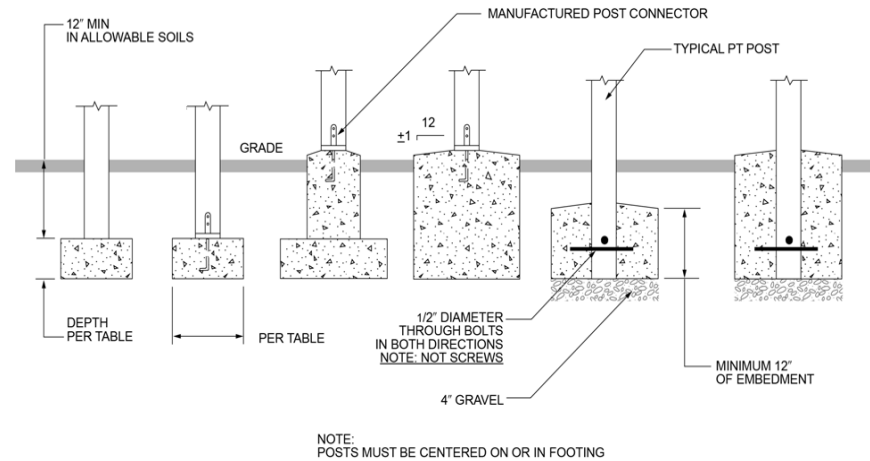


FIGURE R507.3  
DECK POSTS TO DECK FOOTING CONNECTION

For SI: 1 inch = 25.4 mm.

4 Post to footing connections  
S06 NTS

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S06

**TABLE R507.7  
MAXIMUM JOIST SPACING FOR WOOD DECKING**

DECKING MATERIAL TYPE AND NOMINAL SIZE	DECKING PERPENDICULAR TO JOIST		DECKING DIAGONAL TO JOIST <sup>a</sup>	
	Single span <sup>c</sup>	Multiple span <sup>c</sup>	Single span <sup>c</sup>	Multiple span <sup>c</sup>
	Maximum on-center joist spacing (inches)			
1 <sup>1</sup> / <sub>4</sub> -inch-thick wood <sup>b</sup>	12	16	8	12
2-inch-thick wood	24	24	18	24

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 degree = 0.01745 rad.

a. Maximum angle of 45 degrees from perpendicular for wood deck boards.

b. Other maximum span provided by an accredited lumber grading or inspection agency also allowed.

c. Individual wood deck boards supported by two joists shall be considered single span and three or more joists shall be considered multiple span.

1 Maximum Joist Spacing Table  
S07 NTS

**TABLE R507.6  
MAXIMUM DECK JOIST SPANS**

LOAD <sup>a</sup> (psf)	JOIST SPECIES <sup>b</sup>	JOIST SIZE	ALLOWABLE JOIST SPAN <sup>b, c</sup> (feet-inches)			MAXIMUM CANTILEVER <sup>d, f</sup> (feet-inches)							
			Joist spacing (inches)			Joist back span <sup>g</sup> (feet)							
			12	16	24	4	6	8	10	12	14	16	18
40 live load	Southern pine	2 × 6	9-11	9-0	7-7	1-0	1-6	1-5	NP	NP	NP	NP	NP
		2 × 8	13-1	11-10	9-8	1-0	1-6	2-0	2-6	2-3	NP	NP	NP
		2 × 10	16-2	14-0	11-5	1-0	1-6	2-0	2-6	3-0	3-4	3-4	NP
		2 × 12	18-0	16-6	13-6	1-0	1-6	2-0	2-6	3-0	3-6	4-0	4-1
	Douglas fir-larch <sup>e</sup> Hem-fir <sup>e</sup> Spruce-pine-fir <sup>e</sup>	2 × 6	9-6	8-4	6-10	1-0	1-6	1-4	NP	NP	NP	NP	NP
		2 × 8	12-6	11-1	9-1	1-0	1-6	2-0	2-3	2-0	NP	NP	NP
		2 × 10	15-8	13-7	11-1	1-0	1-6	2-0	2-6	3-0	3-3	NP	NP
		2 × 12	18-0	15-9	12-10	1-0	1-6	2-0	2-6	3-0	3-6	3-11	3-11
	Redwood <sup>f</sup> Western cedars <sup>f</sup> Ponderosa pine <sup>f</sup> Red pine <sup>f</sup>	2 × 6	8-10	8-0	6-10	1-0	1-4	1-1	NP	NP	NP	NP	NP
		2 × 8	11-8	10-7	8-8	1-0	1-6	2-0	1-11	NP	NP	NP	NP
		2 × 10	14-11	13-0	10-7	1-0	1-6	2-0	2-6	3-0	2-9	NP	NP
		2 × 12	17-5	15-1	12-4	1-0	1-6	2-0	2-6	3-0	3-6	3-8	NP

2 Maximum Joist Spans Table  
S07 NTS

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**S07**

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

LOAD <sup>c</sup> (psf)	JOIST SPAN <sup>a</sup> (feet)	ON-CENTER SPACING OF FASTENERS <sup>b</sup> (inches)		
		1/2-inch diameter lag screw with 1/2-inch maximum sheathing <sup>d, e</sup>	1/2-inch diameter bolt with 1/2-inch maximum sheathing <sup>e</sup>	1/2-inch diameter bolt with 1-inch maximum sheathing <sup>f</sup>
40 live load	6	30	36	36
	8	23	36	36
	10	18	34	29
	12	15	29	24
	14	13	24	21
	16	11	21	18
	18	10	19	16

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. Lag screws shall be full-body diameter screws.

e. Sheathing shall be wood structural panel or solid sawn lumber.

f. 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.

**1** Minimum Ledger Connection Table  
S08 NTS

**TABLE R507.9.1.3(2)  
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 <sup>a</sup>	2 inches <sup>d</sup>	3/4 inch	2 inches <sup>b</sup>	1 5/8 inches <sup>b</sup>
Band Joist <sup>c</sup>	3/4 inch	2 inches	2 inches <sup>b</sup>	1 5/8 inches <sup>b</sup>

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 R507.9.1.3(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 or bolts to the top edge of the ledger shall be in accordance with Figure R507.9.1.3(1).

**2** Ledger Fasteners Placement Table  
S08 NTS

READY-BUILD PLAN PROGRAM

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**S08**



**TABLE R507.4  
DECK POST HEIGHT**

LOADS (psf) <sup>b</sup>	POST SPECIES <sup>c</sup>	POST SIZE <sup>d</sup>	TRIBUTARY AREA (ft <sup>2</sup> ) <sup>g, h</sup>							
			20	40	60	80	100	120	140	160
			MAXIMUM DECK POST HEIGHT <sup>a</sup> (feet-inches)							
40 live load	Southern pine	4 × 4	14-0	13-8	11-0	9-5	8-4	7-5	6-9	6-2
		4 × 6	14-0	14-0	13-11	12-0	10-8	9-8	8-10	8-2
		6 × 6	14-0	14-0	14-0	14-0	14-0	14-0	14-0	14-0
		8 × 8	14-0	14-0	14-0	14-0	14-0	14-0	14-0	14-0
	Douglas fir <sup>e</sup> Hem-fir <sup>e</sup> Spruce-pine-fir <sup>e</sup>	4 × 4	14-0	13-6	10-10	9-3	8-0	7-0	6-2	5-3
		4 × 6	14-0	14-0	13-10	11-10	10-6	9-5	8-7	7-10
		6 × 6	14-0	14-0	14-0	14-0	14-0	14-0	14-0	14-0
		8 × 8	14-0	14-0	14-0	14-0	14-0	14-0	14-0	14-0
	Redwood <sup>f</sup> Western cedars <sup>f</sup> Ponderosa pine <sup>f</sup> Red pine <sup>f</sup>	4 × 4	14-0	13-2	10-3	8-1	5-8	NP	NP	NP
		4 × 6	14-0	14-0	13-6	11-4	9-9	8-4	6-9	4-7
		6 × 6	14-0	14-0	14-0	14-0	14-0	14-0	13-7	9-7
		8 × 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 foot = 304.8 mm, 1 pound per square foot = 0.0479 kPa.

NP = Not Permitted.

- a. Measured from the underside of the beam to the 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 in accordance with Section R507.5.2.
- e. Includes incising factor.
- f. Incising factor not included.
- g. Area, in square feet, of deck surface supported by post and footings.
- h. Interpolation permitted. Extrapolation not permitted.

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**S09**

**TABLE R507.3.1  
MINIMUM FOOTING SIZE FOR DECKS**

LIVE OR GROUND SNOW LOAD <sup>a</sup> (psf)	TRIBUTARY AREA <sup>b</sup> (ft <sup>2</sup> )	LOAD-BEARING VALUE OF SOILS <sup>c,d</sup> (psf)								
		1,500			2,000			≥ 3,000		
		Side of a square footing (inches)	Diameter of a round footing (inches)	Plain concrete thickness (inches)	Side of a square footing (inches)	Diameter of a round footing (inches)	Plain concrete thickness (inches)	Side of a square footing (inches)	Diameter of a round footing (inches)	Plain concrete thickness (inches)
40	5	7	8	6	7	8	6	7	8	6
	20	10	12	6	9	9	6	7	8	6
	40	14	16	6	12	14	6	10	12	6
	60	17	19	6	15	17	6	12	14	6
	80	20	22	7	17	19	6	14	16	6
	100	22	25	8	19	21	6	15	17	6
	120	24	27	9	21	23	7	17	19	6
	140	26	29	10	22	25	8	18	21	6
160	28	31	11	24	27	9	20	22	7	
50	5	7	8	6	7	8	6	7	8	6
	20	11	13	6	10	11	6	8	9	6
	40	15	17	6	13	15	6	11	13	6
	60	19	21	6	16	18	6	13	15	6
	80	21	24	8	19	21	6	15	17	6
	100	24	27	9	21	23	7	17	19	6
	120	26	30	10	23	26	8	19	21	6
	140	28	32	11	25	28	9	20	23	7
160	30	34	12	26	30	10	21	24	8	
60	5	7	8	6	7	8	6	7	8	6
	20	12	14	6	11	12	6	9	10	6
	40	16	19	6	14	16	8	12	14	6
	60	20	23	7	17	20	6	14	16	6
	80	23	26	9	20	23	7	16	19	6
	100	26	29	10	22	25	8	18	21	6
	120	28	32	11	25	28	9	20	23	7
	140	31	35	12	27	30	10	22	24	8
160	33	37	13	28	32	11	23	26	9	
70	5	7	8	6	7	8	6	7	8	6
	20	12	14	6	11	13	6	9	10	6
	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<sup>2</sup>, 1 pound per square foot = 0.0479 kPa.

- a. Interpolation permitted, extrapolation not permitted.
- b. Based on highest load case: Dead + Live or Dead + Snow.
- 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.
- e. Area, in square feet, of deck surface supported by post and footings.

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# S10

**TABLE R301.2  
CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA<sup>f, g</sup>**

COUNTY	GROUND SNOW LOAD, $p_g$	BASIC DESIGN WIND SPEED, $V$ (mph) <sup>b</sup>	SPECIAL WIND REGION BASIC DESIGN WIND SPEED, $V$ (mph) <sup>b</sup>	SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE			AIR FREEZING INDEX
					Weathering <sup>d</sup>	Frost line depth (inches)	Decay	
Baker	Note a	103	—	Note c	Severe	24	Slight	2,000
Benton	Note a	96	—	Note c	Moderate	12	Moderate	≤ 1,500
Clackamas	Note a	98	98	Note c	Moderate	12	Moderate	≤ 1,500
Clatsop	Note a	96	120	Note c	Moderate	12	Moderate	≤ 1,500
Columbia	Note a	97	97	Note c	Moderate	12	Moderate	≤ 1,500
Coos	Note a	95	120	Note c	Moderate	12	Moderate	≤ 1,500
Crook	Note a	100	100	Note c	Severe	18	Slight	2,000
Curry	Note a	94	120	Note c	Moderate	12	Moderate	≤ 1,500
Deschutes	Note a	99	99	Note c	Severe	18	Slight	≤ 1,500
Douglas	Note a	97	120	Note c	Moderate	18	Moderate	≤ 1,500
Gilliam	Note a	100	—	Note c	Severe	24	Moderate	≤ 1,500
Grant	Note a	101	—	Note c	Severe	24	Slight	2,000
Harney	Note a	101	—	Note c	Severe	24	Moderate	2,000
Hood River	Note a	98	98	Note c	Severe	24	Moderate	≤ 1,500
Jackson	Note a	96	—	Note c	Moderate	18 <sup>e</sup>	Slight	≤ 1,500
Jefferson	Note a	99	99	Note c	Severe	18	Moderate	≤ 1,500
Josephine	Note a	95	—	Note c	Moderate	18 <sup>e</sup>	Moderate	≤ 1,500
Klamath	Note a	98	98	Note c	Severe	24	Moderate	≤ 1,500
Lake	Note a	99	—	Note c	Severe	24	Slight	≤ 1,500
Lane	Note a	98	120	Note c	Moderate	12	Moderate	≤ 1,500
Lincoln	Note a	96	120	Note c	Moderate	12	Moderate	≤ 1,500
Linn	Note a	98	—	Note c	Moderate	12	Moderate	≤ 1,500
Malheur	Note a	102	—	Note c	Severe	24	Slight	≤ 1,500
Marion	Note a	98	—	Note c	Moderate	12	Moderate	≤ 1,500
Morrow	Note a	101	—	Note c	Severe	24	Slight	≤ 1,500
Multnomah	Note a	98	98	Note c	Moderate	18 <sup>e</sup>	Moderate	≤ 1,500
Polk	Note a	97	—	Note c	Moderate	12	Moderate	≤ 1,500
Sherman	Note a	99	—	Note c	Severe	24	Slight	≤ 1,500
Tillamook	Note a	96	120	Note c	Moderate	12	Moderate	≤ 1,500
Umatilla	Note a	102	—	Note c	Severe	24	Slight	≤ 1,500
Union	Note a	102	—	Note c	Severe	24	Slight	≤ 1,500
Wallowa	Note a	103	—	Note c	Severe	24	Slight	≤ 1,500
Wasco	Note a	99	99	Note c	Severe	24	Slight	≤ 1,500
Washington	Note a	97	—	Note c	Moderate	12	Moderate	≤ 1,500
Wheeler	Note a	100	—	Note c	Severe	24	Slight	≤ 1,500
Yamhill	Note a	97	—	Note c	Moderate	12	Moderate	≤ 1,500

For SI: 1 inch = 25.4 mm.

- a. The ground snow load,  $p_g$ , shall be determined in accordance with Section R301.2.3.1.
- b. Sites located within a special wind region, as determined from Figure R301.2.1(1), shall use the special wind region basic design wind speeds provided herein.
- c. The seismic design category shall be determined in accordance with Section R301.2.2.1.
- d. A “severe” classification is where weather conditions result in significant snowfall combined with extended periods during which there is little or no natural thawing, causing de-icing salts to be used extensively.
- e. The frost line depth for site elevations below 2,500 feet in Jackson, Josephine and Multnomah Counties is 12 inches.
- f. See Sections R301.2.4 and R322 for floodplain administrator determinations and flood hazard design criteria.
- g. See Section R327 for establishment of wildfire hazard mitigation design requirements.

READY-BUILD PLAN PROGRAM

**PRESCRIPTIVE DECK**

2023 ORSC

EFFECTIVE  
JUNE 2024

REVISIONS

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Tables

**S11**

**A DECKING [R507.7]:**

size: 2x five-quarter  
material: preservative-treated plastic composite naturally durable (e.g. cedar)  
orientation: perpendicular to joists diagonal to joists

**B JOISTS [R507.6]:**

size: 2x6 2x8 2x10 2x12  
spacing: 12 in. 16 in. 24 in.  
span, L<sub>J</sub>: \_\_\_\_ ft. - \_\_\_\_ in.  
cantilever: \_\_\_\_ ft. - \_\_\_\_ in. (L<sub>J</sub>/4 MAX)  
rim joist: 2x6 2x8 2x10 2x12 not applicable

**C BEAMS [R507.5]:**

plies: 1 2 3  
size: 2x6 2x8 2x10 2x12 4x6 4x8 4x10 4x12 \_\_x\_\_  
span, L<sub>B</sub>: \_\_\_\_ ft. - \_\_\_\_ in.  
cantilever: \_\_\_\_ ft. - \_\_\_\_ in. (L<sub>B</sub>/4 MAX)

**D POSTS [R507.4]:**

size: 4x4 4x6 6x6 \_\_x\_\_  
height: \_\_\_\_ ft. - \_\_\_\_ in.

**E FOOTINGS [R507.3.1]:**

size: \_\_\_\_ in. square round  
thickness: \_\_\_\_ in.

**F LEDGER [R507.9.1.3(1)]:**

size: 2x8 2x10 2x12  
fastener: 1/2" through-bolt 1/2" lag screw code-compliant alternate (attach report)  
fastener spacing: \_\_\_\_ in. on-center

**G LATERAL LOAD CONNECTION [R507.9.2]:**

(4) 750 pound hold-down tension devices (detail 1/S04)  
 (2) 1,500 pound hold-down tension devices (detail 2/S06)  
 code-compliant alternate (attach report)

**H GUARDRAIL POST ATTACHMENT [R301.5]:**

details 1-3/S05 & 1/S06  
 code-compliant alternate (attach detail).

NOTE: THE PERMIT APPLICANT SHALL PROVIDE THE PROJECT SPECIFIC DESIGN BY CHECKING THE APPLICABLE BOXES AND ENTERING THE APPROPRIATE INFORMATION ABOVE PRIOR TO PERMIT APPLICATION.

READY-BUILD PLAN PROGRAM

**PRESCRIPTIVE DECK**

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Project Specific  
Information

**S12**

1 Project Specific Information  
S12 NTS