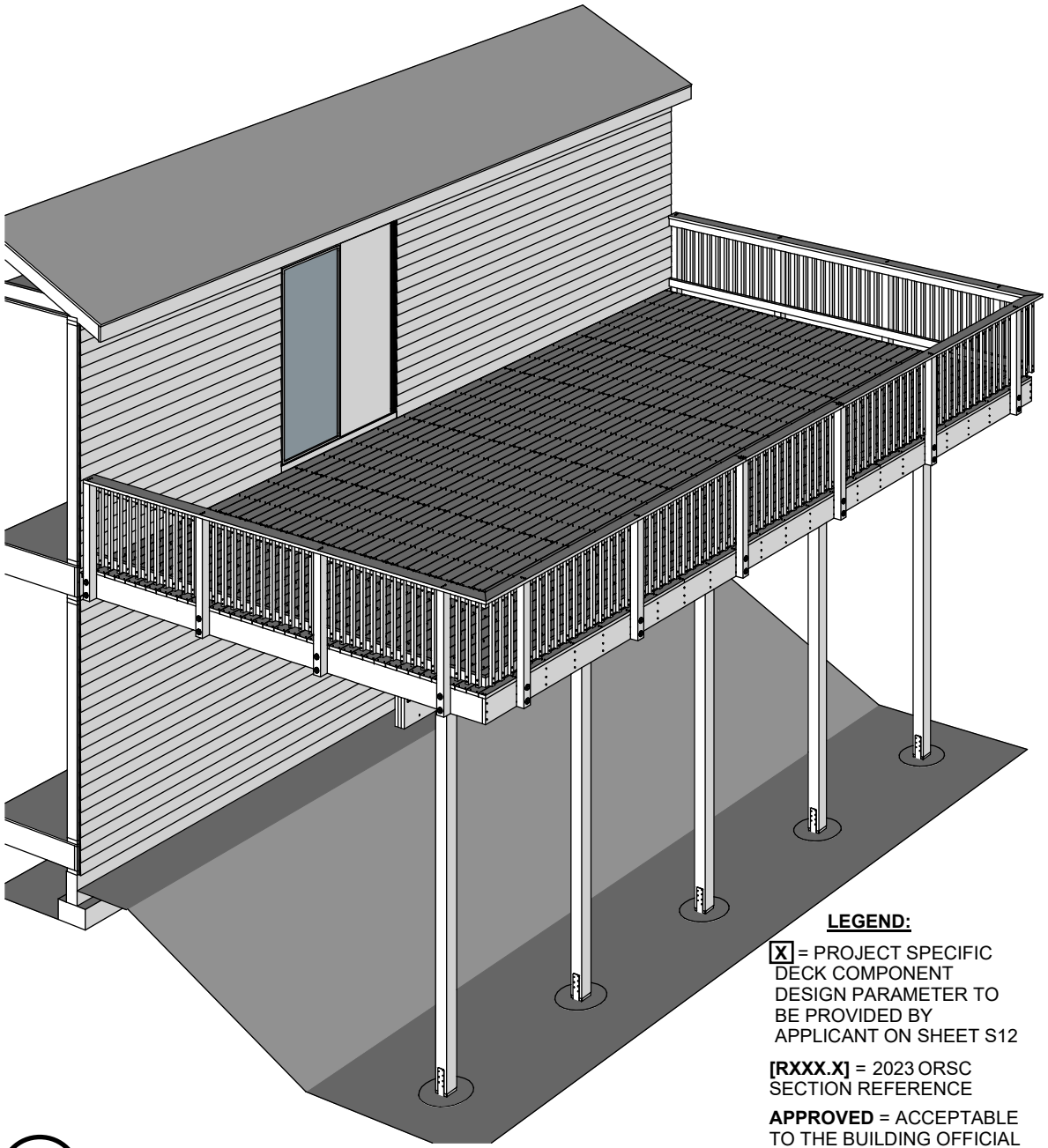


1 General Notes
S01 NTS

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 1- OR 2- FAMILY DWELLING. DECKS SUPPORTING LARGE CONCENTRATED LOADS SUCH AS HOT TUBS ARE BEYOND THE SCOPE OF THIS DOCUMENT.

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: 98 MPH
B. WIND EXPOSURE CATEGORY: B, C, OR D
C. SEISMIC DESIGN CATEGORY: D
D. GROUND SNOW LOAD: SNOW LOAD IS TO BE DETERMINED ONLINE AT Snowload.seao.org/lookup.html - *HOWEVER OREGON CITY IS GENERALLY 10 psf*

APPLICANT SHALL USE THE CODE PRESCRIBED TABLES CONTAINED HEREIN AND RECORD THEIR PROJECT SPECIFIC DESIGN PARAMETERS ([X]) ON SHEET **S14** 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].

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

FASTNERS 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].

STAIR CONSTRUCTION

SEE PAGE **S12**

OREGON CITY

READY-BUILD PLAN PROGRAM

PRESCRIPTIVE DECK

2023 ORSC

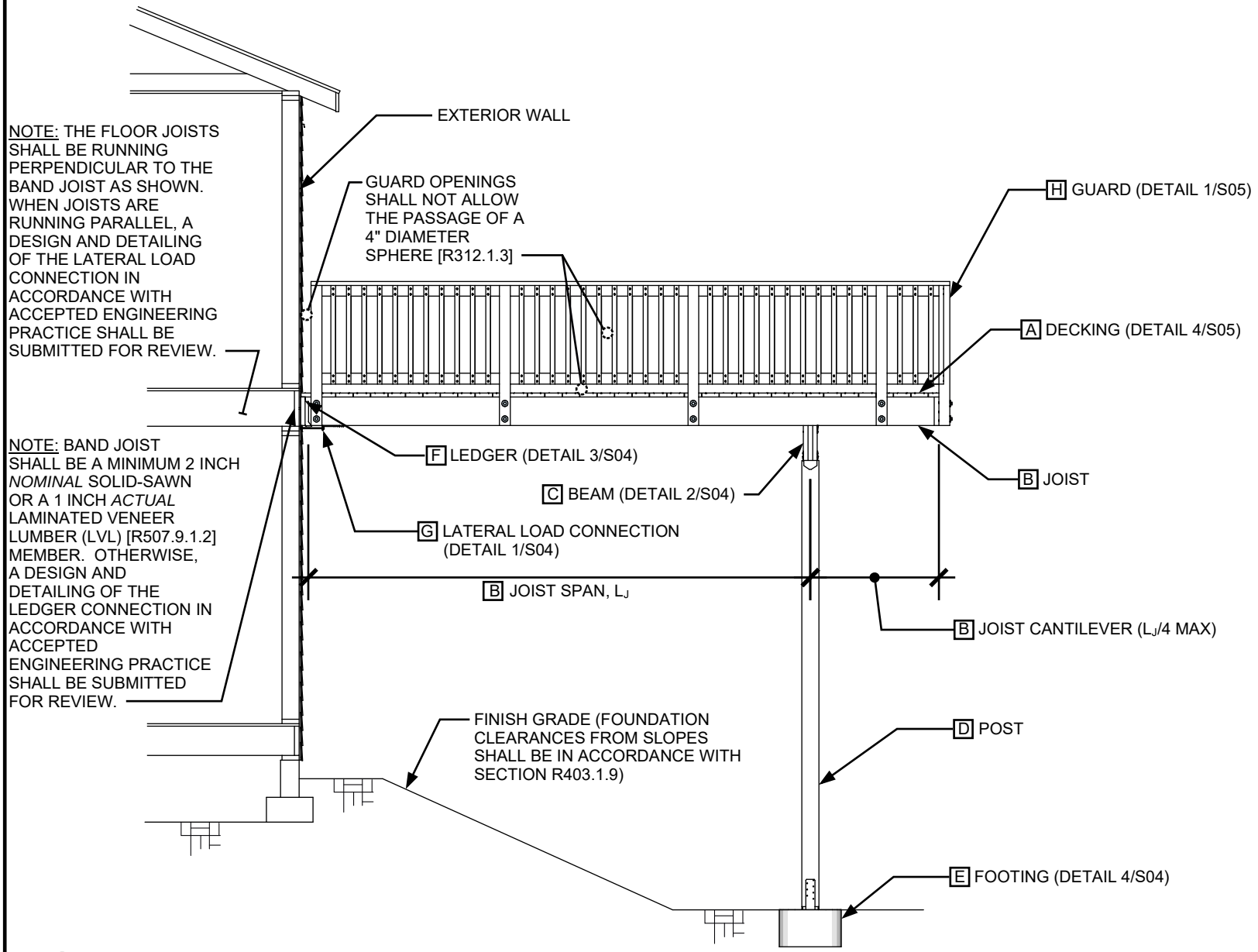
EFFECTIVE 4/1/24

REVISIONS

NO.	DATE

General Notes

S01



1 / S02 Side Elevation
NTS

OREGON CITY

READY-BUILD PLAN PROGRAM

PRESCRIPTIVE DECK

2023 ORSC

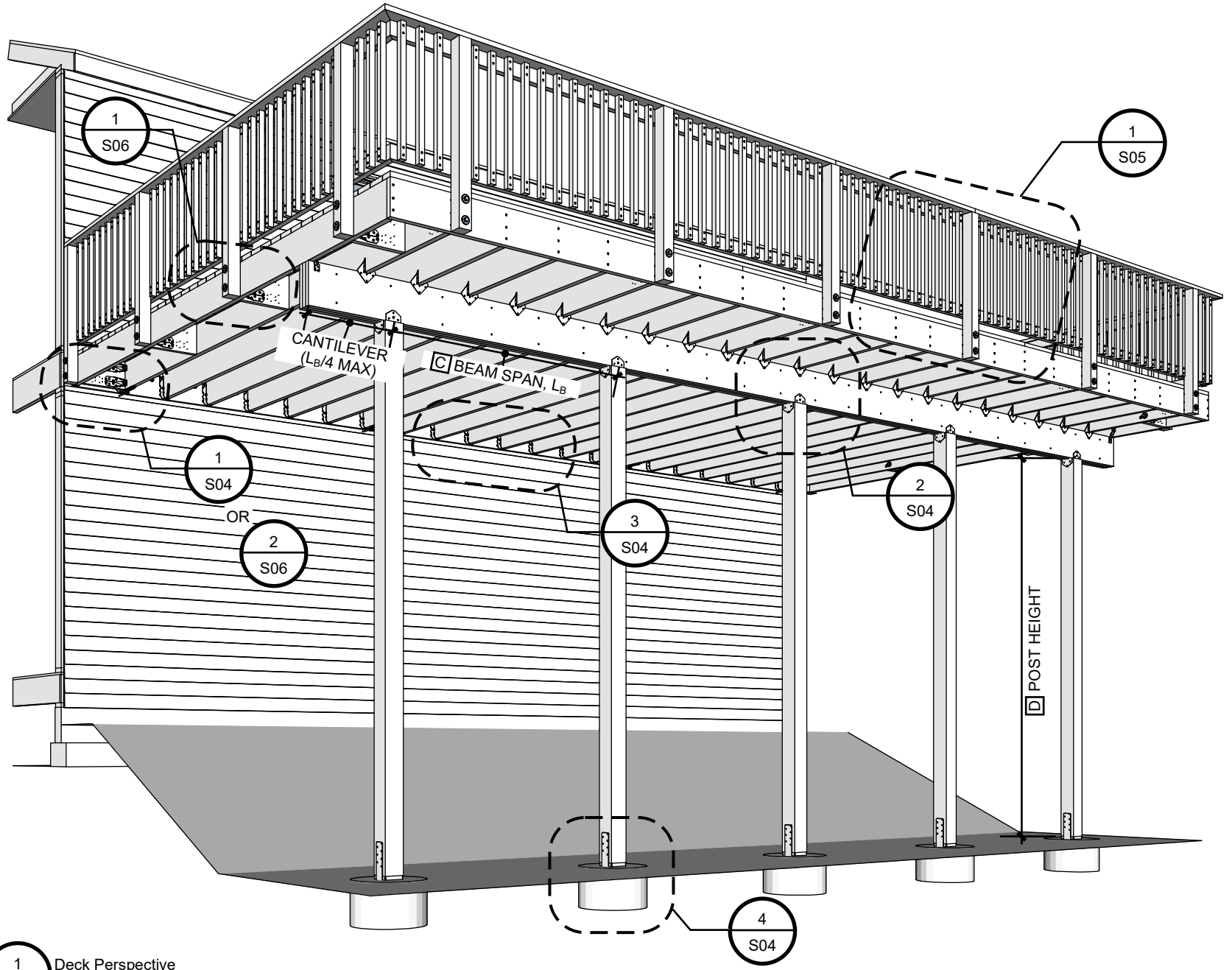
EFFECTIVE 4/1/24

REVISIONS

NO.	DATE

Elevation

S02



1 / S03 Deck Perspective
NTS

READY-BUILD PLAN PROGRAM

PRESCRIPTIVE DECK

2023 ORSC

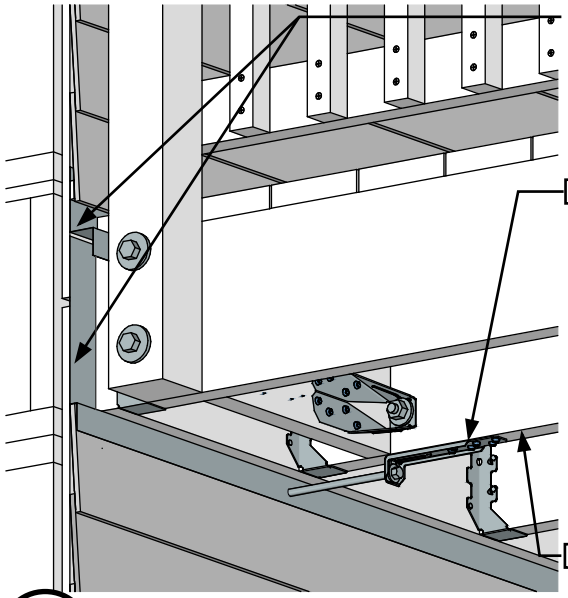
EFFECTIVE
4/1/24

REVISIONS

NO.	DATE

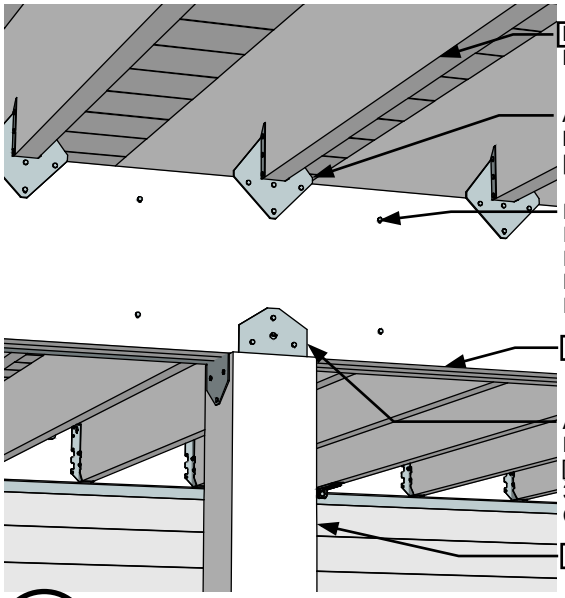
Perspective

S03



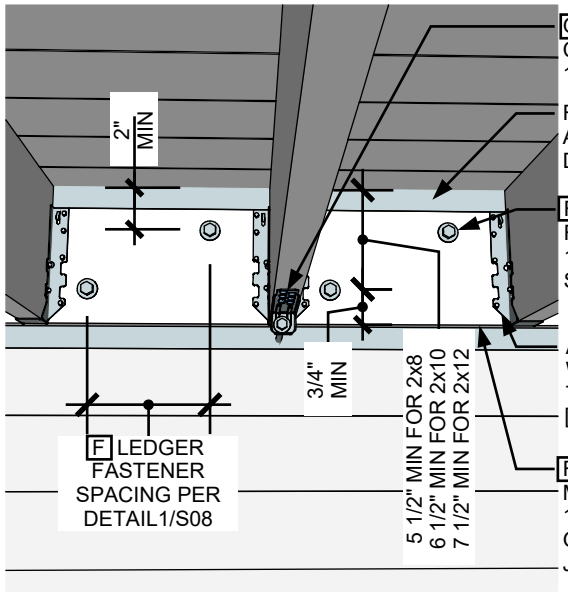
1 S04 Lateral load connection

EITHER THIS OR THE METHOD SHOWN IN 2/S06 MUST BE PRESENT



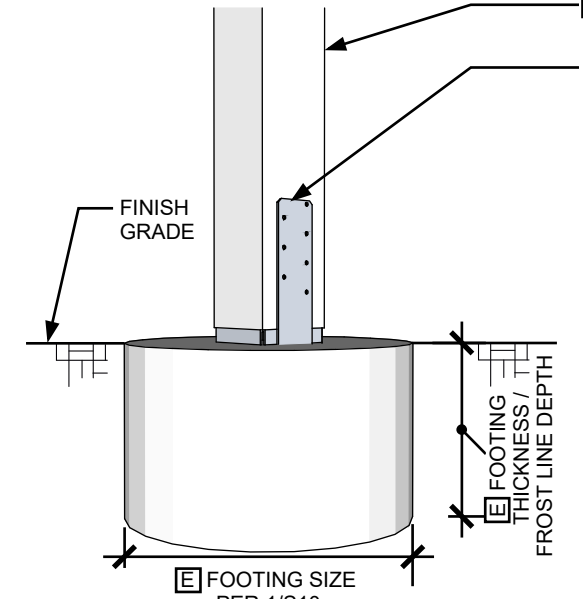
2 S04 Joist to beam and beam to post connection

NTS



3 S04 Ledger connection

NTS



4 S04 Post to footing connection

NTS

OREGON CITY

READY-BUILD PLAN PROGRAM

PRESCRIPTIVE DECK

2023 ORSC

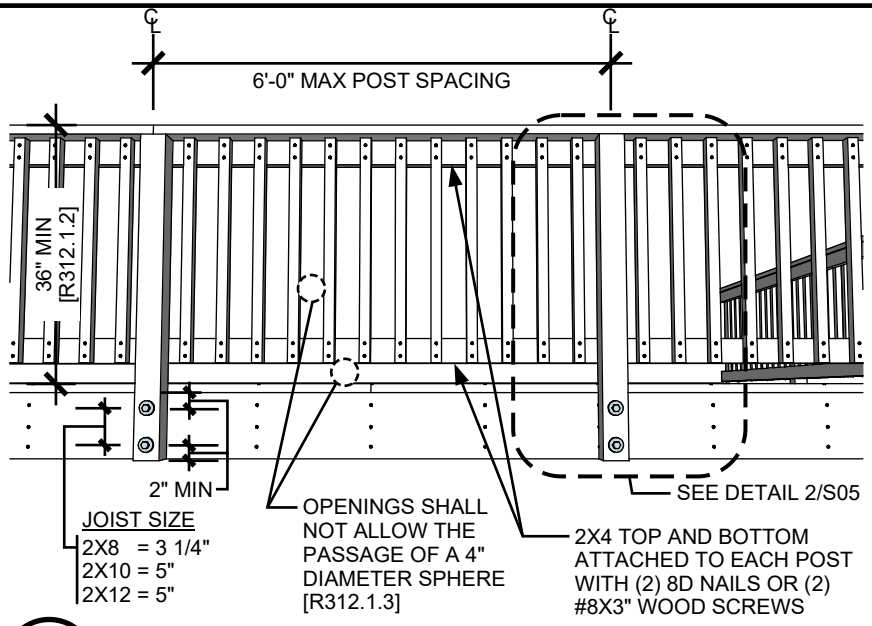
EFFECTIVE 4/1/24

REVISIONS

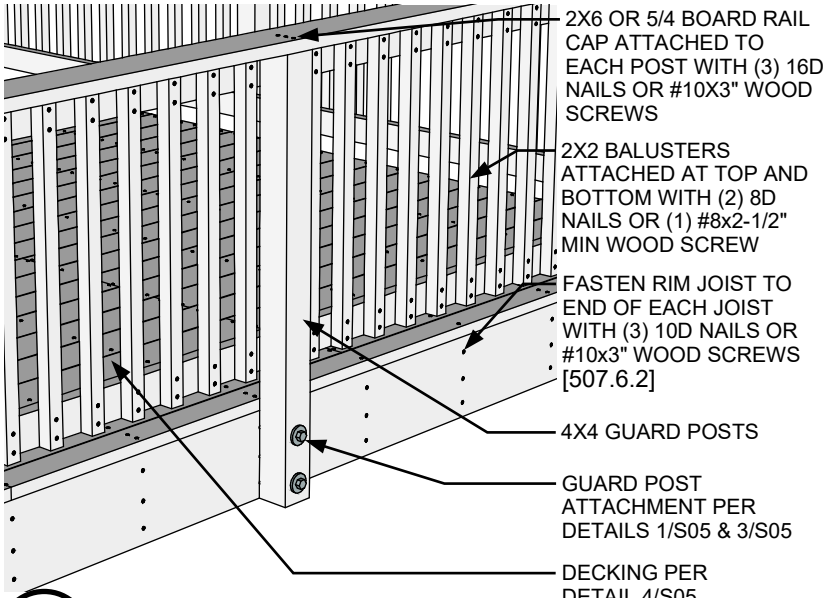
NO.	DATE

Details

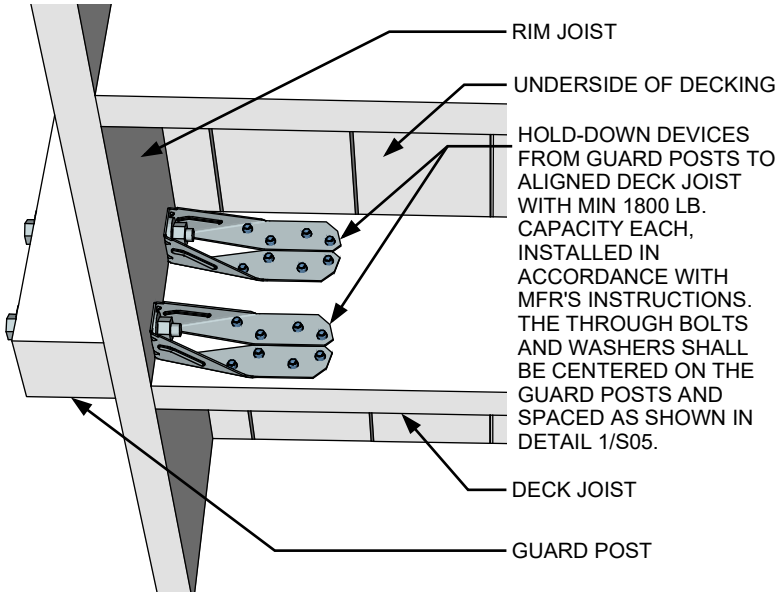
S04



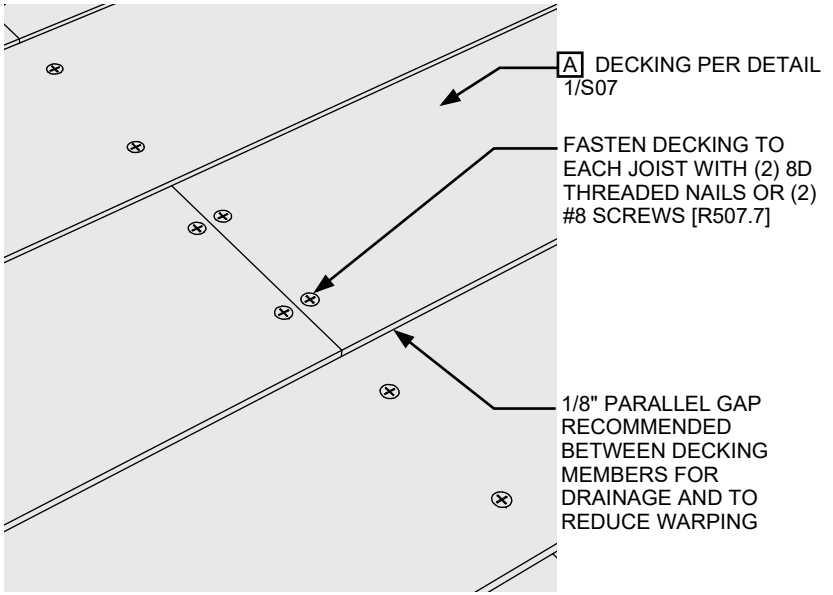
1 S05 Deck guard
NTS



2 S05 Deck guard
NTS



3 S05 Guard post to joist connection
NTS



4 S05 Decking connection
NTS

OREGON CITY

READY-BUILD PLAN PROGRAM

PRESCRIPTIVE DECK

2023 ORSC

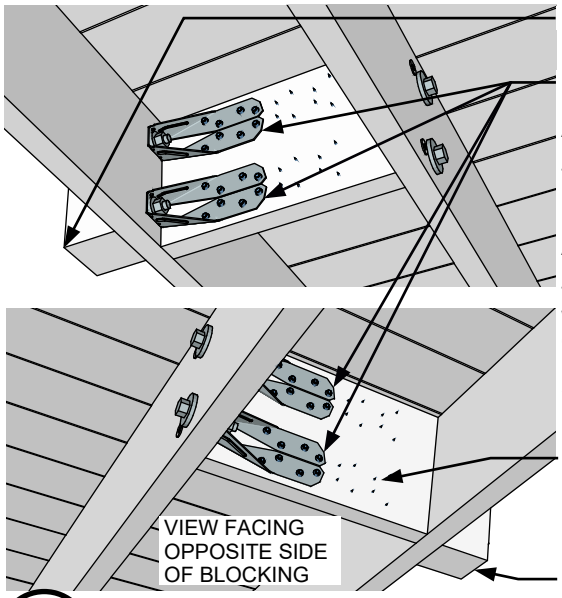
EFFECTIVE 4/1/24

REVISIONS

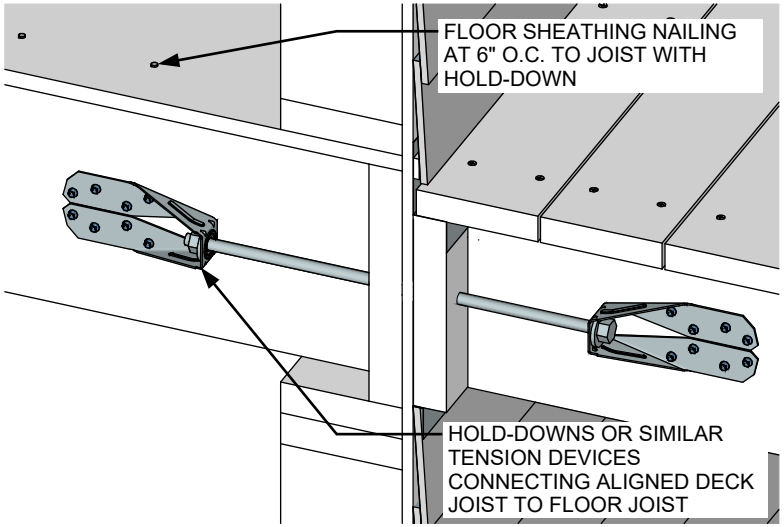
NO.	DATE

Details

S05



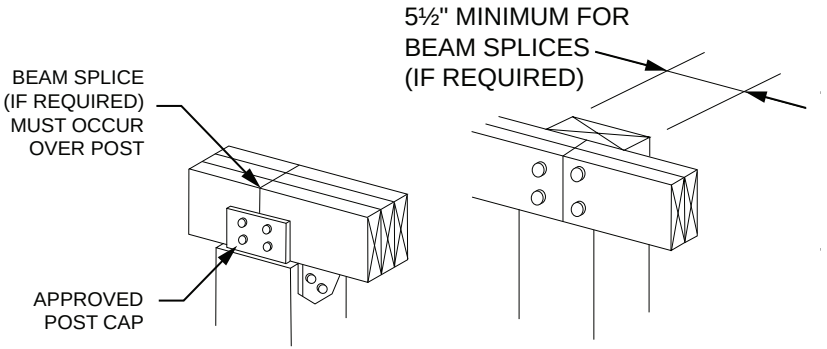
1 / S06 Guard post to blocking connection
NTS



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 / S06 Alternate deck attachment for lateral loads

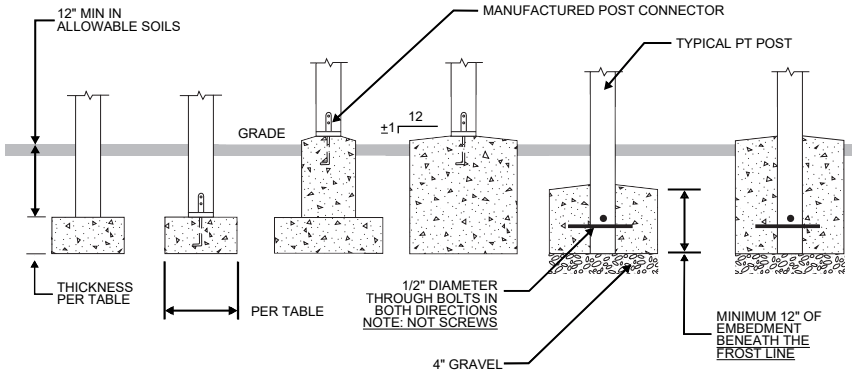
EITHER THIS OR THE METHOD SHOWN IN 1/S04 MUST BE PRESENT



FROM 2023 ORSC FIGURE R507.5.2(1)

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

3 / S06 Alternate beam to post connection
NTS



NOTE: POSTS SHALL BE RESTRAINED TO PREVENT LATERAL DISPLACEMENT AT THE BOTTOM OF SUPPORT. SUCH RESTRAINT SHALL BE PROVIDED BY MANUFACTURED CONNECTORS INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS OR A MINIMUM POST EMBEDMENT OF 12 INCHES IN SURROUNDING SOILS OR CONCRETE. NOTE: POSTS MUST BE CENTERED ON OR IN FOOTING.

4 / S06 Alternate post to footing connections
NTS

OREGON CITY

READY-BUILD PLAN PROGRAM

PRESCRIPTIVE DECK

2023 ORSC

EFFECTIVE 4/1/24

REVISIONS

NO.	DATE

Details

S06

TABLE R507.7
MAXIMUM JOIST SPACING FOR WOOD DECKING

DECKING MATERIAL TYPE AND NOMINAL SIZE	DECKING PERPENDICULAR TO JOIST		DECKING DIAGONAL TO JOIST[a]	
	Single span[c]	Multiple span[c]	Single span[c]	Multiple span[c]
	Maximum on-center joist spacing (inches)			
$1^1/_4$-inch-thick wood[b]	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.
****Plastic composite decking shall be installed per section 507.2.2 and the manufacturer's installation instructions.**

1 S07 Maximum Joist Spacing Table (from 2023 ORSC Table R507.7)

TABLE R507.6
MAXIMUM DECK JOIST SPANS

LOAD[a] (psf)	JOIST SPECIES[b]	JOIST SIZE	ALLOWABLE JOIST SPAN[b, c] (feet-inches)			MAXIMUM CANTILEVER[d, f] (feet-inches)							
			Joist spacing (inches)			Joist back span[g] (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[e] Hem-fir[e] Spruce-pine-fir[e]	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[f] Western cedars[f] Ponderosa pine[f] Red pine[f]	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

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.
a. Dead load = 10 psf. Snow load not assumed to be concurrent with live load.
b. No. 2 grade, wet service factor included.
c. L/Δ = 360 at main span.
d. L/Δ = 180 at cantilever with a 220-pound point load applied to end.
e. Includes incising factor.
f. Incising factor not included.
g. Interpolation allowed. Extrapolation is not allowed.

2 S07 Maximum Joist Spans Table from 2023 ORSC Table R507.6 (The full table can be found at https://www.oregon.gov/bcd/codes-stand/Pages/adopted-codes.aspx

OREGON CITY

READY-BUILD PLAN PROGRAM
PRESCRIPTIVE DECK
2023 ORSC

EFFECTIVE 4/1/24

REVISIONS

NO.	DATE

Tables

S07

DECK LEDGER CONNECTION TO BAND JOIST

LOAD[c] (psf)	JOIST SPAN[a] (feet)	ON-CENTER SPACING OF FASTENERS[b] (inches)		
		$^1/_2$-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]
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.

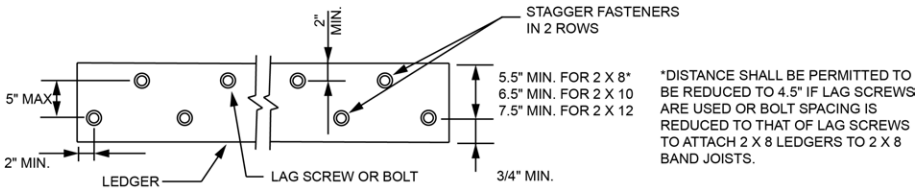
1 S08 Minimum Ledger Connection Table from 2023 ORSC Table R507.9.1.3(1) (The full table can be found at https://www.oregon.gov/bcd/codes-stand/Pages/adopted-codes.aspx)

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	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 R507.9.1.3(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).



For SI: 1 inch = 25.4 mm.

FIGURE R507.9.1.3(1)
PLACEMENT OF LAG SCREWS AND BOLTS IN LEDGERS

2 S08 Ledger Fasteners Placement Table from 2023 ORSC Table R507.9.1.3(2)

OREGON CITY

READY-BUILD PLAN PROGRAM

PRESCRIPTIVE DECK

2023 ORSC

EFFECTIVE 4/1/24

REVISIONS

NO.	DATE

Tables

S08

TABLE R507.5(1)
MAXIMUM DECK BEAM SPAN—40 PSF LIVE LOAD[c]

	JOIST SPAN (feet)	JOIST SPAN LENGTH AND JOIST CANTILEVER LENGTH[a, i] (feet and feet)									
	6	6 & 0	6 & 1.5								
	8		8 & 0	8 & 1	8 & 2						
	10			10 & 0	10 & 1	10 & 2.5					
	12				12 & 0	12 & 1	12 & 2	12 & 3			
	14					14 & 0	14 & 1	14 & 2	14 & 3.5		
	16						16 & 0	16 & 1	16 & 2.5	16 & 4	
	18							18 & 0	18 & 1.5	18 & 3	18 & 4.5
BEAM SPECIES[d]	**BEAM SIZE[e]**	**MAXIMUM DECK BEAM SPAN LENGTH[a, b, f] (feet-inches)**									
Douglas fir-larch[g] Hem-fir[g] Spruce-pine-fir	1 – 2 x 6	4-5	4-1	3-9	3-6	3-0	2-10	2-8	2-5	2-3	2-1
	1 – 2 × 8	5-11	5-6	5-1	4-8	4-0	3-9	3-6	3-2	2-11	2-9
	1 – 2 × 10	7-1	6-8	6-3	5-10	5-1	4-9	4-6	4-1	3-9	3-6
	1 – 2 × 12	8-3	7-9	7-3	6-9	6-0	5-9	5-6	5-0	3-9	3-6
	2 – 2 × 6	6-6	6-1	5-8	5-3	4-9	4-6	4-4	3-11	3-7	3-3
	2 – 2 × 8	8-8	8-2	7-7	7-1	6-4	6-0	5-9	5-2	4-8	4-4
	2 – 2 × 10	10-8	10-0	9-3	8-7	7-9	7-4	7-0	6-6	6-0	5-6
	2 – 2 × 12	12-4	11-7	10-9	10-0	8-11	8-6	8-2	7-7	7-1	6-8
	3 – 2 × 6	8-2	7-8	7-2	6-8	6-0	5-9	5-6	5-1	4-9	4-6
	3 – 2 × 8	10-11	10-3	9-6	8-10	7-11	7-7	7-3	6-8	6-3	5-11
	3 – 2 × 10	13-4	12-6	11-8	10-10	9-8	9-3	8-10	8-2	7-8	7-2
	3 – 2 × 12	15-6	14-6	13-6	12-7	11-3	10-9	10-3	9-6	8-11	8-5

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 for conditions with zero joist cantilever length. Extrapolation is 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 cantilever. Snow load is 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.

1 S09 Maximum Beam Spans Table from 2023 ORSC Table R507.5(1). (The full table can be found at https://www.oregon.gov/bcd/codes-stand/Pages/adopted-codes.aspx)

OREGON CITY

READY-BUILD PLAN PROGRAM

PRESCRIPTIVE DECK

2023 ORSC

EFFECTIVE 4/1/24

REVISIONS

NO.	DATE

Tables

S09

TABLE R507.3.1
MINIMUM FOOTING SIZE FOR DECKS

LIVE OR GROUND SNOW LOAD[b] (psf)	TRIBUTARY AREA[e] (ft^2)	(OREGON CITY) LOAD-BEARING VALUE OF SOILS[a, c, d] (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
	5	7	8	6	7	8	6	7	8	6
	20			6			6	8		6

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. 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.

See page S13 for an example footing guide

1 S10 Minimum Footing Sizes Table from 2023 ORSC Table 507.3.1 (The full table can be found at https://www.oregon.gov/bcd/codes-stand/Pages/adopted-codes.aspx

OREGON CITY

READY-BUILD PLAN PROGRAM

PRESCRIPTIVE DECK

2023 ORSC

EFFECTIVE 4/1/24

REVISIONS

NO.	DATE

Tables

S10

TABLE R301.2
CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA[f, g]

COUNTY	GROUND SNOW LOAD, p_g	BASIC DESIGN WIND SPEED, *V* (mph)[b]	SPECIAL WIND REGION BASIC DESIGN WIND SPEED, *V* (mph)[b]	SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE			AIR FREEZING INDEX
					Weathering[d]	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 c		12	Moderate	

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.

1 / S11 Climatic and Geographic Criteria By County from 2023 ORSC Table 301.2 (The full table can be found at https://www.oregon.gov/bcd/codes-stand/Pages/adopted-codes.aspx

TABLE R507.4
DECK POST HEIGHT

LOADS (psf)[b]	POST SPECIES[c]	POST SIZE[d]	TRIBUTARY AREA (ft^2)[g, h]							
			20	40	60	80	100	120	140	160
			MAXIMUM DECK POST HEIGHT[a] (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[e] Hem-fir[e] Spruce-pine-fir[e]	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[f] Western cedars[f] Ponderosa pine[f] Red pine[f]	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.

2 / S11 Maximum Deck Post Height from 2023 ORSC Table 507.4 (The full table can be found at https://www.oregon.gov/bcd/codes-stand/Pages/adopted-codes.aspx

OREGON CITY

READY-BUILD PLAN PROGRAM
PRESCRIPTIVE DECK
2023 ORSC

EFFECTIVE
4/1/24

REVISIONS

NO.	DATE

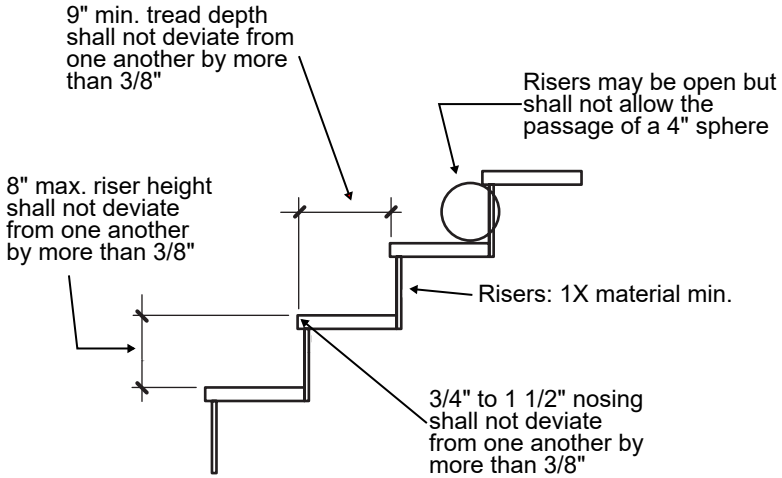
Tables

S11

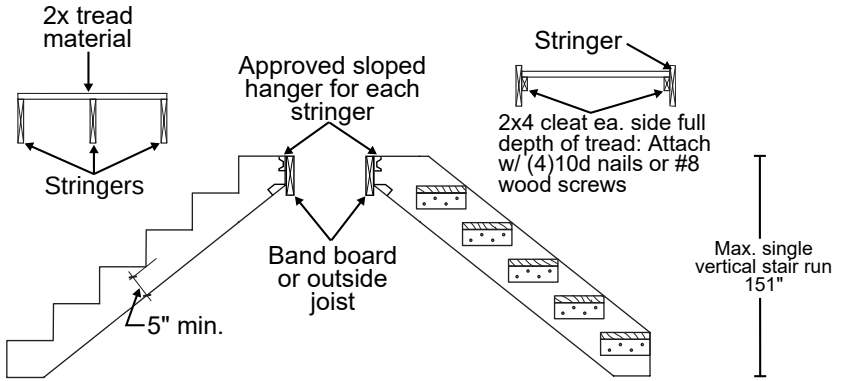
STAIRS

STAIRWAYS, STRINGERS, HANDRAILS AND GUARDRAILS SHALL MEET THE REQUIREMENTS SHOWN IN DETAILS 1 THROUH 4 ON THIS PAGE. ALL STRINGERS SHALL BE MINIMUM 2x12. A LEVEL LANDING IS REQUIRED AT THE TOP (THIS IS USUALLY THE DECK SURFACE) AND AT THE BOTTOM OF THE STAIRWAY (USUALLY A CONCRETE PAD, OR THE GROUND).

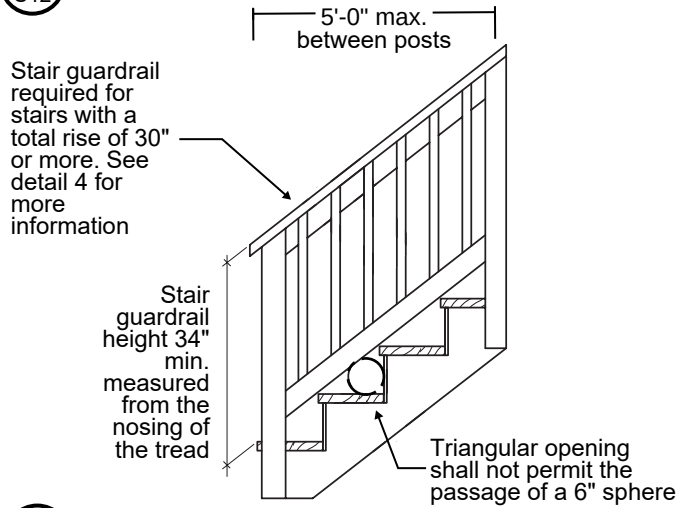
NOTE: THE DETAILS SHOWN HEREIN ARE FOR A THREE-FOOT WIDE MAXIMUM STAIRWAY WITH MINIMUM 2x TREAD MATERIAL. PLASTIC OR COMPOSITE, OR 1x DECKING PRODUCTS MAY BE USED FOR STAIR TREADS; HOWEVER, THEY MAY REQUIRE ADDITIONAL STRINGERS FOR BRACING. CHECK WITH THE MANUFACTURER'S REQUIREMENTS FOR SPACING.



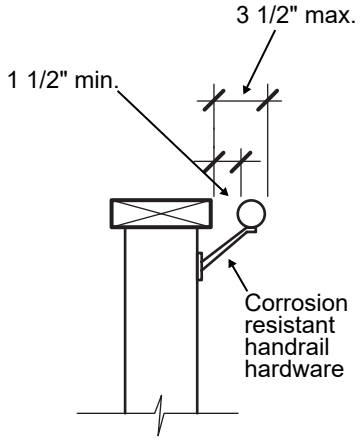
1 S12 TREAD AND RISER DETAL



2 S12 STAIR STRINGERS AND TREAD CONNECTIONS



3 S12 STAIR GUARD REQUIREMENTS



Stairs with four or more risers must have a handrail on at least one side. Handrails shall be graspable and shall be of decay-resistant and/or corrosion-resistant material. The hand grip portion, if circular, shall be between 1 1/4" and 2" in cross section. Shapes other than circular shall have a *perimeter dimension* between 4" and not greater than 6 1/4" with a maximum cross sectional dimension of 2 1/4". All shapes must have a smooth surface with no sharp corners. Handrails shall run continuously from a point directly above the lowest riser to a point directly above the highest riser *and shall return to the guard at each end*. Handrails may be interrupted at guardrail posts only at a turn in the stair.

4 S12 HANDRAIL REQUIREMENTS

OREGON CITY

READY-BUILD PLAN PROGRAM

PRESCRIPTIVE DECK

2023 ORSC

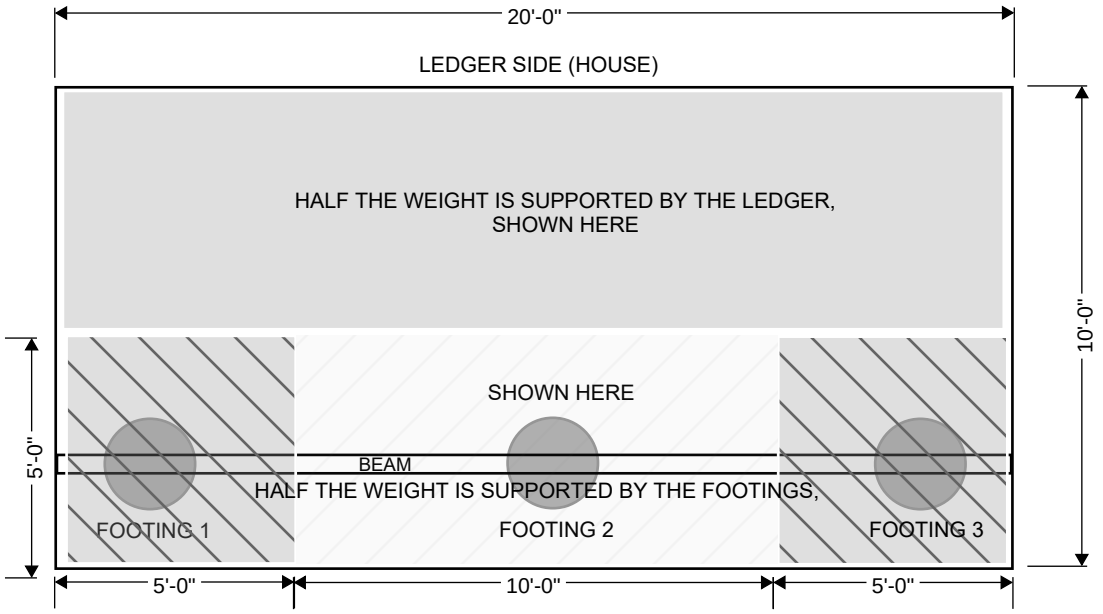
EFFECTIVE 4/1/24

REVISIONS

NO.	DATE

General Notes

S12



5' x 5' = 25 sf 5' x 10' = 50 sf 5' x 5' = 25 sf

REFER TO TABLE R507.3.1 (S10) TO SIZE THE FOOTINGS

EXAMPLE -

FOOTINGS ARE SIZED AT 40 psf AND ROUNDED UP TO THE NEXT HIGHEST SIZE IN THE TABLE
FOOTING 1 WOULD BE 14" PER SIDE IF SQUARE, OR 16" IF ROUND
FOOTING 2 WOULD BE 20" PER SIDE IF SQUARE, AND 22" IF ROUND
FOOTING 3 WOULD BE 14" PER SIDE IF SQUARE, OR 16" IF ROUND
ALL ARE REQUIRED TO BE 24" DEEP MINIMUM TO THE BOTTOM OF THE FOOTING

OREGON CITY

READY-BUILD PLAN PROGRAM

PRESCRIPTIVE DECK

2023 ORSC

EFFECTIVE
4/1/24

REVISIONS

NO.	DATE

Project Specific Information

S13

A DECKING [R507.7]:
size: ☐2x ☐five-quarter ☐other (specify): _____
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_J: ____ft. - ____in.
cantilever: ____ft. - ____in. (L_J/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_B: ____ft. - ____in.
cantilever: ____ft. - ____in. (L_B/4 MAX)

D POSTS [R507.4]:
size: ☐4x4 ☐4x6 ☐6x6 ☐ 8x8
height: ____ ft. - ____in.

E FOOTINGS [R507.3.1]:
size: ____in. ☐square ☐round
thickness: ____in.

F LEDGER [507.9.1.1]:
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).

SITE ADDRESS: _____

1 / S12 Project Specific Information

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.

OREGON CITY

READY-BUILD PLAN PROGRAM

PRESCRIPTIVE DECK

2023 ORSC

EFFECTIVE 4/1/24

REVISIONS

NO.	DATE

Project Specific Information

S14

NOTES:

READY-BUILD PLAN PROGRAM

PRESCRIPTIVE DECK

2023 ORSC

EFFECTIVE
4/1/24

REVISIONS

NO.	DATE

Project Specific Information

S15