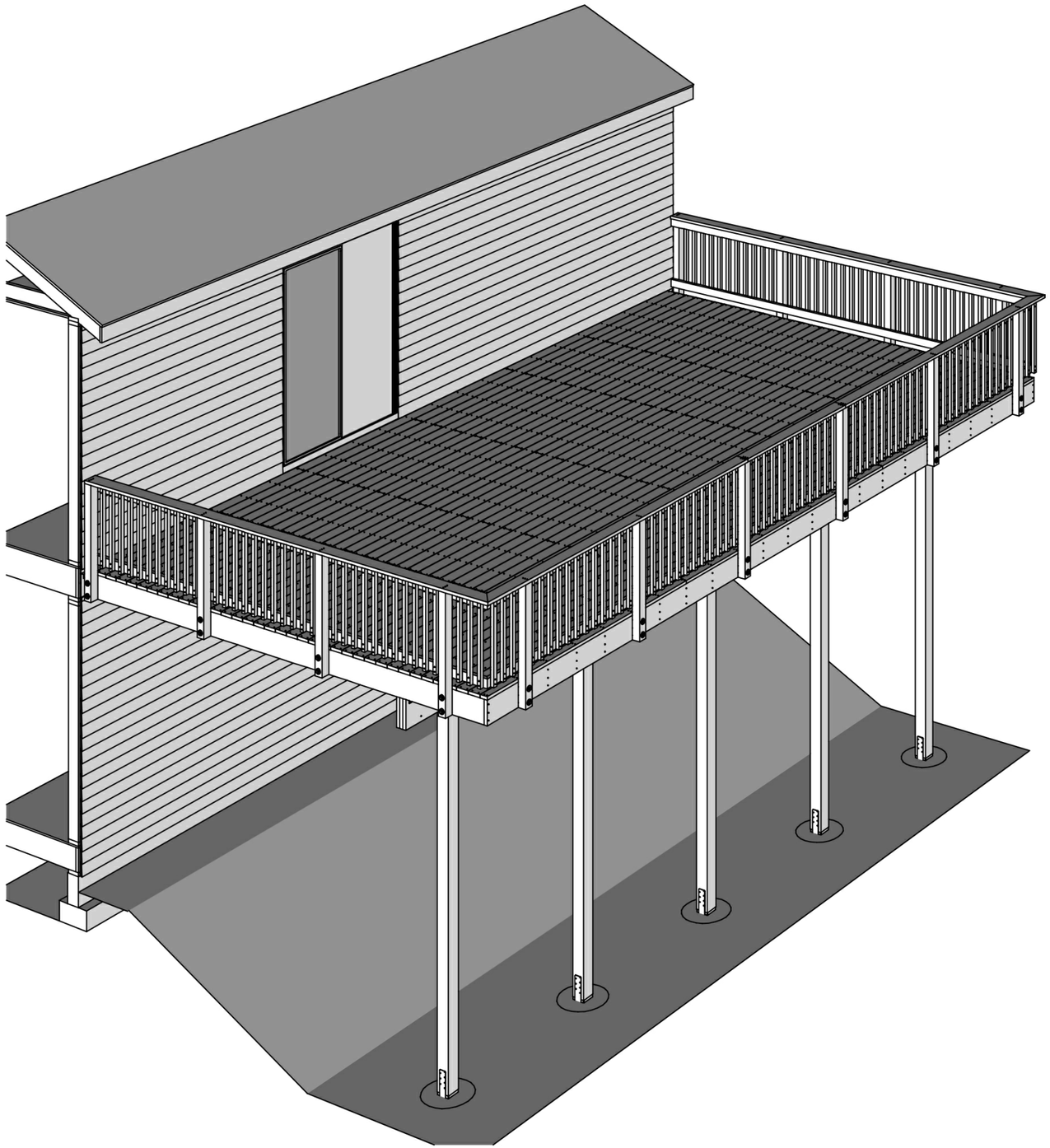


GENERAL NOTES

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

APPLICABLE BUILDING CODE
2018 INTERNATIONAL RESIDENTIAL CODE (IRC).

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

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 ON THE LAST SHEETS OF THIS DOCUMENT PRIOR TO PERMIT APPLICATION.

DESIGN CRITERIA

ULTIMATE WIND SPEED	110 MPH
WIND EXPOSURE CATORY	B, C, OR D
SEISMIC DESIGN CATEGORY	C
GROUND SNOW LOAD	39PSF

FOUNDATION
FOOTINGS SHALL BEAR ON NATIVE, INORGANIC, UNDISTURBED SOIL BELOW EXISTING GRADE. CONCRETE STRENGTH SHALL BE 3,500PSI **[R301.2, R402.2]**.

WOOD FRAMING
ALL WOOD CLOSER THAN 18" TO THE GROUND 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 **[R317.1.1]**. 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 MANUFACTURER'S RECOMMENDATIONS (SHALL BE PROVIDED WITH SUBMITTAL) **[R317.3]**.

ELECTRICAL OUTLETS
BALCONIES, DECKS, AND PORCHES WITHIN 4" OF A DWELLING UNIT SHALL HAVE AT LEAST ONE RECEPTACLE OUTLET **[NEC 210.52(E)(3)]**.

LEGEND

[X]
PROJECT SPECIFIC DECK COMPONENT DESIGN PARAMETER TO BE PROVIDED BY THE APPLICANT AS RECORDED ON THE LAST SHEET OF THIS DOCUMENT

[RXXX.X]
INTERNATIONAL RESIDENTIAL CODE SECTION REFERENCE

APPROVED
ACCEPTABLE TO THE BUILDING OFFICIAL

2
S-05
SEE THE DETAIL (TOP NUMBER) ON THE SHEET OR PAGE IDENTIFIED (BOTTOM NUMBER) FOR ADDITIONAL INFORMATION

OREILLE COUNTY PEND WASHINGTON

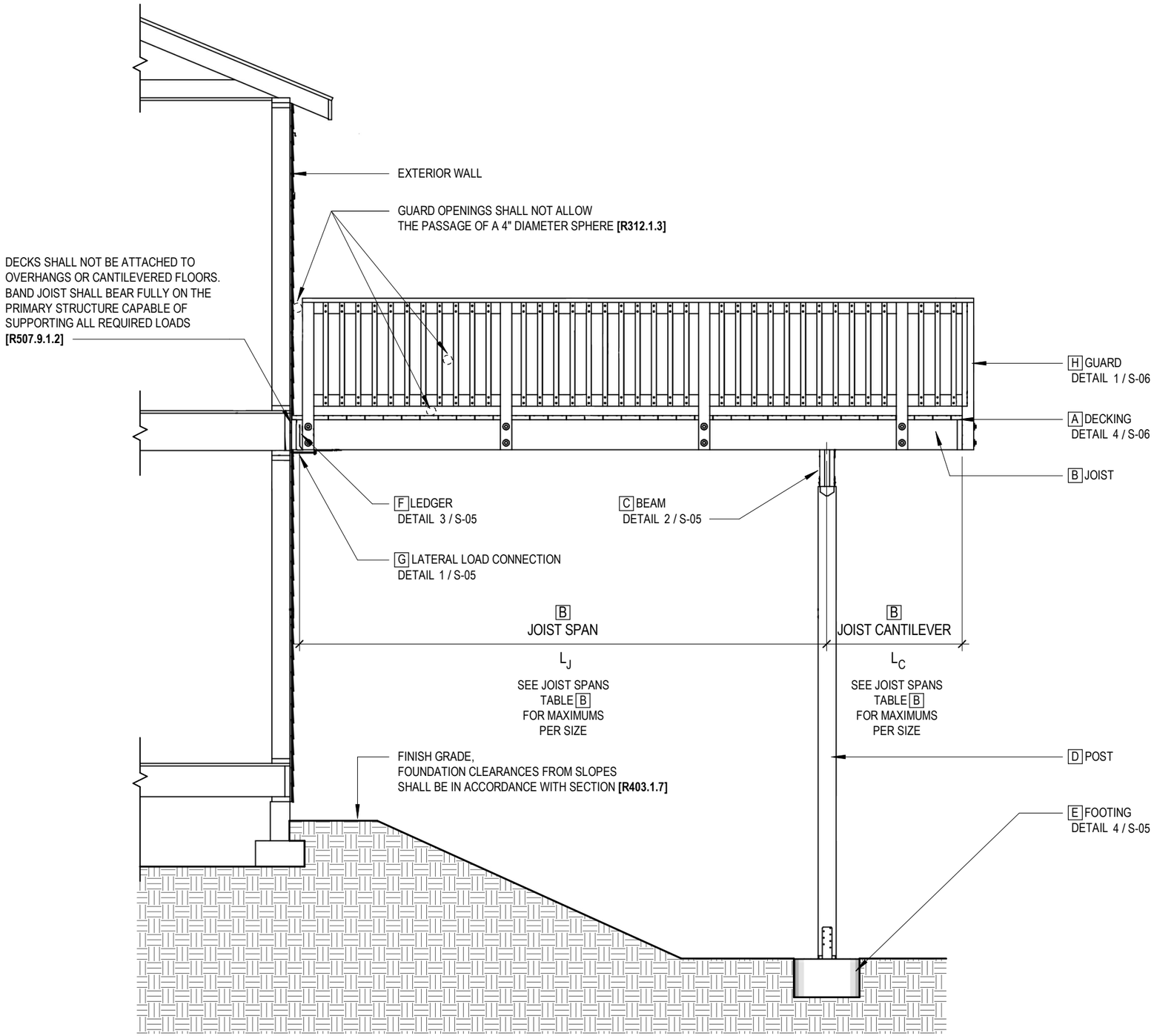
READY-BUILD PLAN PROGRAM
PRESCRIPTIVE DECK

REFERENCE
2018 IRC

VERSION
01

EFFECTIVE
JULY 2022

S-01
GENERAL NOTES



1 SIDE ELEVATION
S-02 NOT TO SCALE

GENERAL NOTES

- THE FLOOR JOISTS SHALL BE RUNNING PERPENDICULAR TO THE BAND JOIST AS SHOWN.
- WHEN JOISTS ARE RUNNING PARALLEL TO THE BAND JOIST, A DESIGN AND DETAILING OF THE LATERAL LOAD CONNECTION IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICE SHALL BE SUBMITTED FOR REVIEW.
- BAND JOIST SHALL BE A MINIMUM 2X NOMINAL SOLID-SAWN.
- WHERE BAND JOIST IS NOT AS DESCRIBED ABOVE, A DESIGN AND DETAILING OF THE LEDGER CONNECTION IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICE SHALL BE SUBMITTED FOR REVIEW.
- EMERGENCY ESCAPE AND RESCUE OPENINGS BENEATH DECKS AND PORCHES SHALL BE FULLY OPENABLE AND PROVIDE A PATH NOT LESS THAN 36" IN HEIGHT TO A YARD OR COURT **[R310.2.4]**.

PEND OREILLE COUNTY WASHINGTON

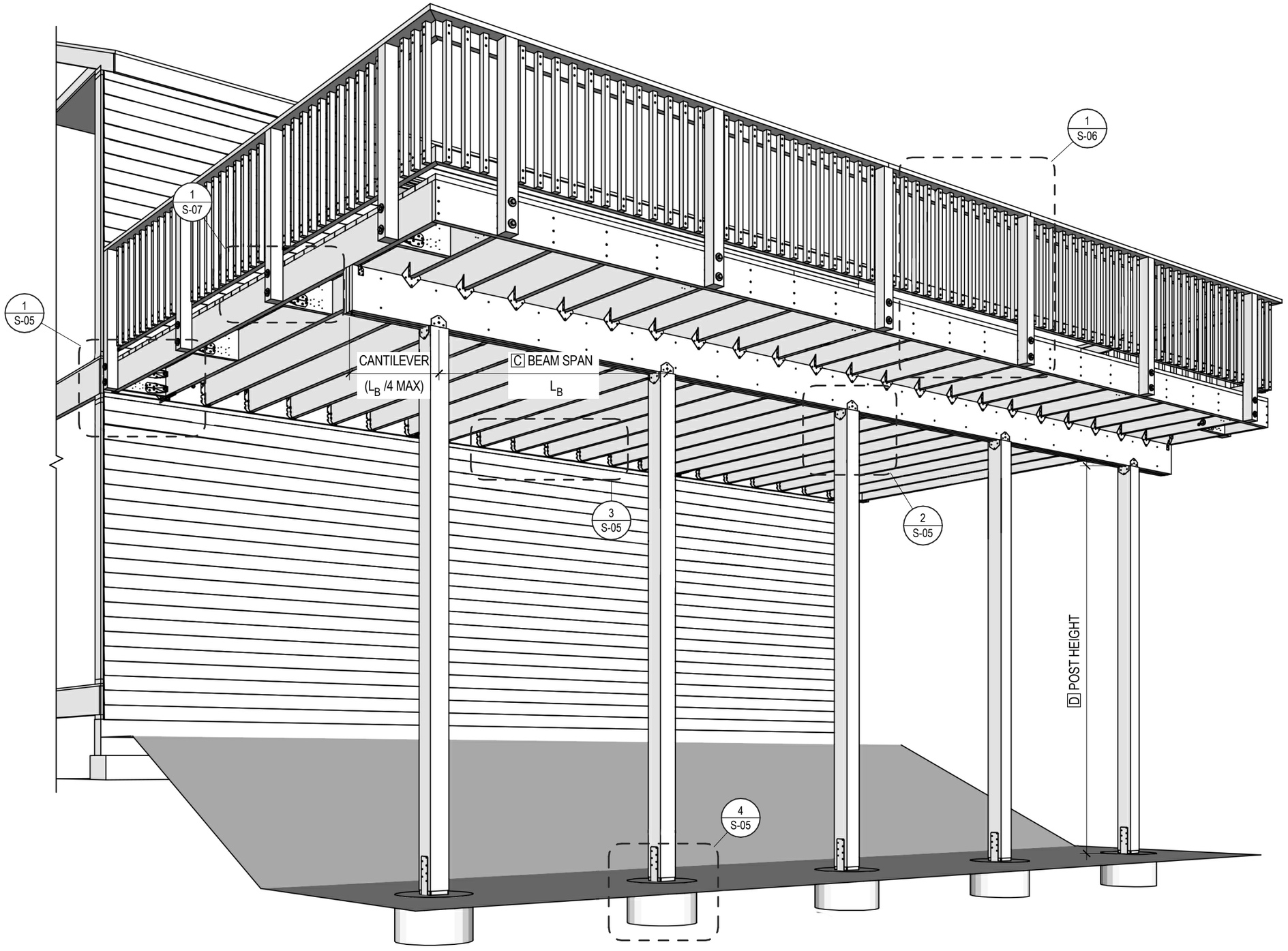
READY-BUILD PLAN PROGRAM
PRESCRIPTIVE DECK

REFERENCE
2018 IRC

VERSION
01

EFFECTIVE
JULY 2022

S-02
ELEVATION



1 DECK PERSPECTIVE
S-03 NOT TO SCALE

PEND OREILLE COUNTY WASHINGTON

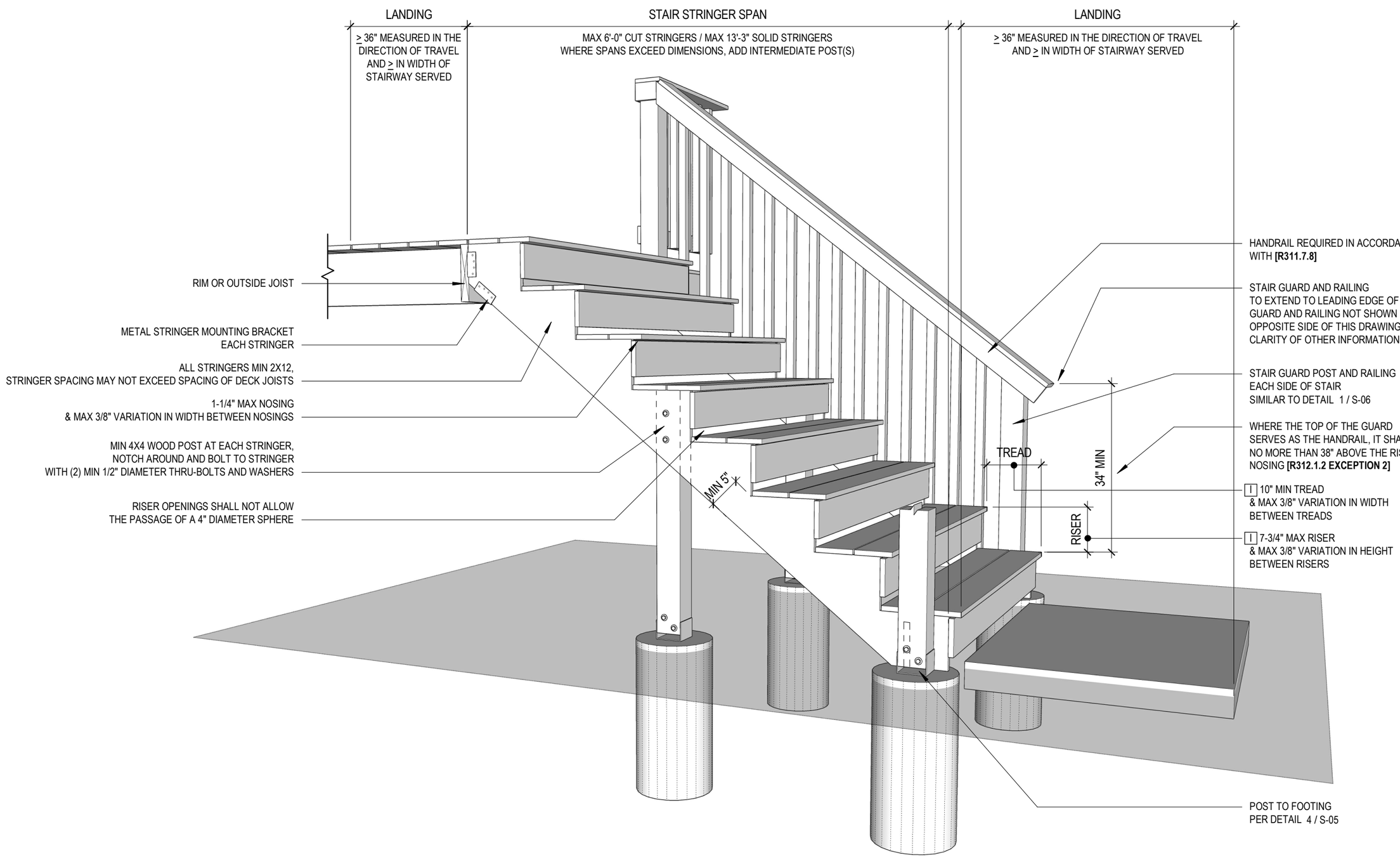
READY-BUILD PLAN PROGRAM
PRESCRIPTIVE DECK

REFERENCE
2018 IRC

VERSION
01

EFFECTIVE
JULY 2022

S-03
PERSPECTIVE



1 STAIR
S-04 NOT TO SCALE

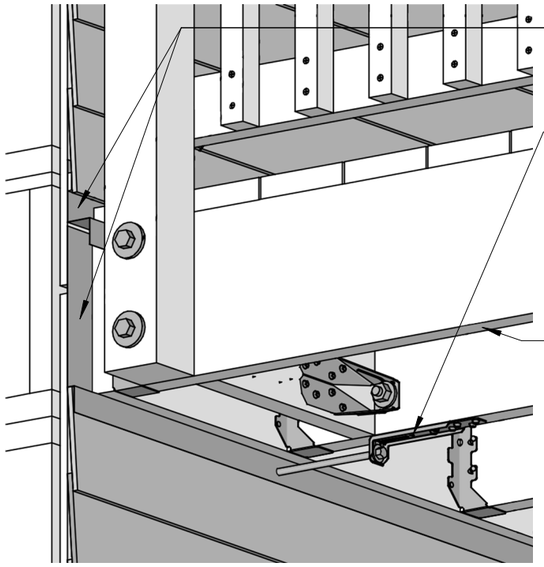
READY-BUILD PLAN PROGRAM
PRESCRIPTIVE DECK

REFERENCE
2018 IRC

VERSION
01

EFFECTIVE
JULY 2022

S-04
STAIR

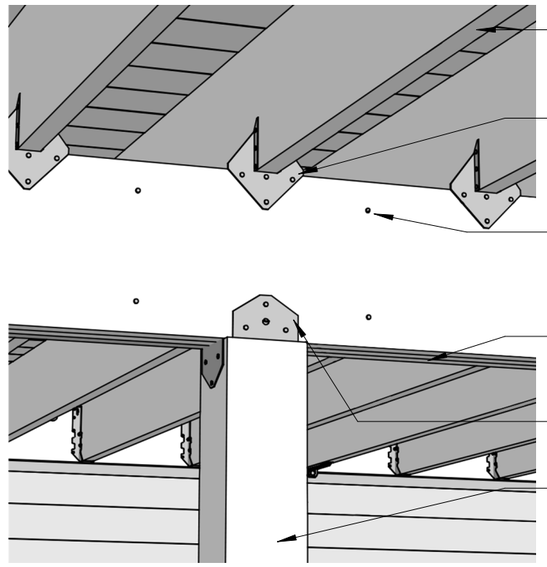


CORROSION-RESISTANT FLASHING INSTALLED IN SHINGLE-FASHION FOR WATER TIGHTNESS WHERE DECK MEETS EXTERIOR WALL **[R703.4]**

G HOLD-DOWN DEVICE WITH MIN 750 LB. CAPACITY AT 4 LOCATIONS, EVENLY DISTRIBUTED ALONG DECK AND ONE WITHIN 24 INCHES OF EACH END OF THE LEDGER. DEVICE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS **[R507.9.2]**. SEE DETAIL 2 / S-07 FOR ALTERNATE CONNECTION

B DECK JOIST
PER MAXIMUM JOIST SPANS TABLE
(SEE S-08)

1 LATERAL LOAD CONNECTION
S-05 NOT TO SCALE



B DECK JOIST
PER MAXIMUM JOIST SPACING TABLE
(SEE S-08)

APPROVED JOIST TO BEAM CONNECTOR **[R507.6.1]**, BLOCKING BETWEEN JOISTS OVER BEARING LOCATIONS SHALL BE NOT LESS THAN 60% OF THE JOIST DEPTH **[R507.6.2]**

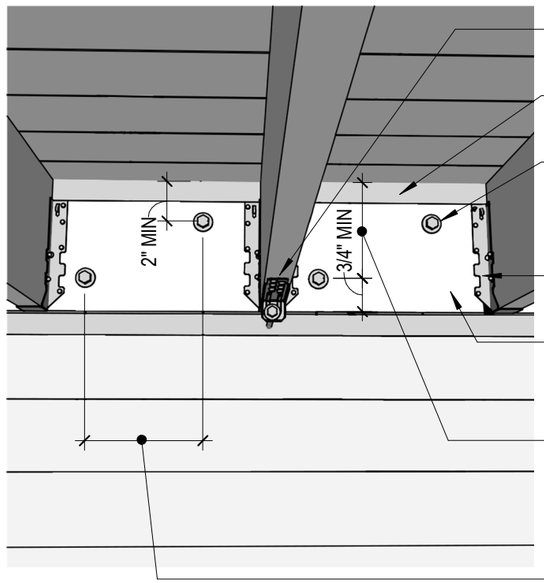
BEAM PLIES SHALL BE FASTENED WITH (2) ROWS OF 10d NAILS MIN AT 16" O.C. ALONG EACH EDGE **[R507.5]**

C DECK BEAM
PER MAXIMUM BEAM SPANS TABLE
(SEE S-08)

APPROVED BEAM TO POST CONNECTOR **[R507.5.1]**. SEE DETAIL 3 / S-07 FOR ALTERNATE CONNECTION

D DECK POST
PER MAXIMUM POST HEIGHT TABLE
(SEE S-09)

2 JOIST TO BEAM AND BEAM TO JOIST CONNECTION
S-05 NOT TO SCALE



G LATERAL LOAD CONNECTION
PER DETAIL 1 / S-05 OR 2 / S-07

FLASHING BETWEEN DECK AND EXTERIOR WALL
PER DETAIL 1 / S-05

F DECK LEDGER FASTENING
PER MINIMUM LEDGER CONNECTION TABLE
AND LEDGER FASTENERS PLACEMENT TABLE
(SEE S-09), STAGGERED AS SHOWN

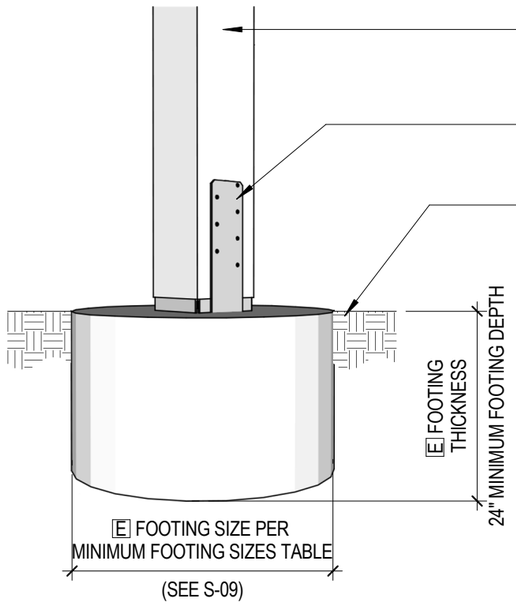
APPROVED JOIST HANGER WITH DEPTH NOT LESS THAN 60% OF JOIST DEPTH **[R507.6.1-R507.6.2]**

F DECK LEDGER (2X8 MINIMUM)
PRESSURE-PRESERVATIVE-TREATED
OR NATURALLY DURABLE, NO. 2 GRADE OR BETTER LUMBER
EQUAL TO OR GREATER THAN THE DECK JOIST DEPTH **[R507.9.1.1]**

5-1/2" MIN FOR 2X8 (MAY BE REDUCED TO 4-1/4" IF LAG SCREWS ARE USED OR BOLT SPACING IS REDUCED TO THAT OF LAG SCREWS TO ATTACH 2X8 LEDGERS TO 2X8 BAND JOISTS,
6-1/2" MIN FOR 2X10,
7-1/2" MIN FOR 2X12

F LEDGER FASTENER SPACING
PER MINIMUM LEDGER CONNECTION TABLE
(SEE S-09)

3 LEDGER CONNECTION
S-05 NOT TO SCALE



D DECK POST
PER MAXIMUM POST HEIGHT TABLE
(SEE S-09)

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

FINISH GRADE

NOTE
SEE DETAIL 4 / S-07 FOR
ALTERNATE POST TO FOOTING CONNECTIONS

4 POST TO FOOTING CONNECTION
S-05 NOT TO SCALE

PENDLETON COUNTY WASHINGTON

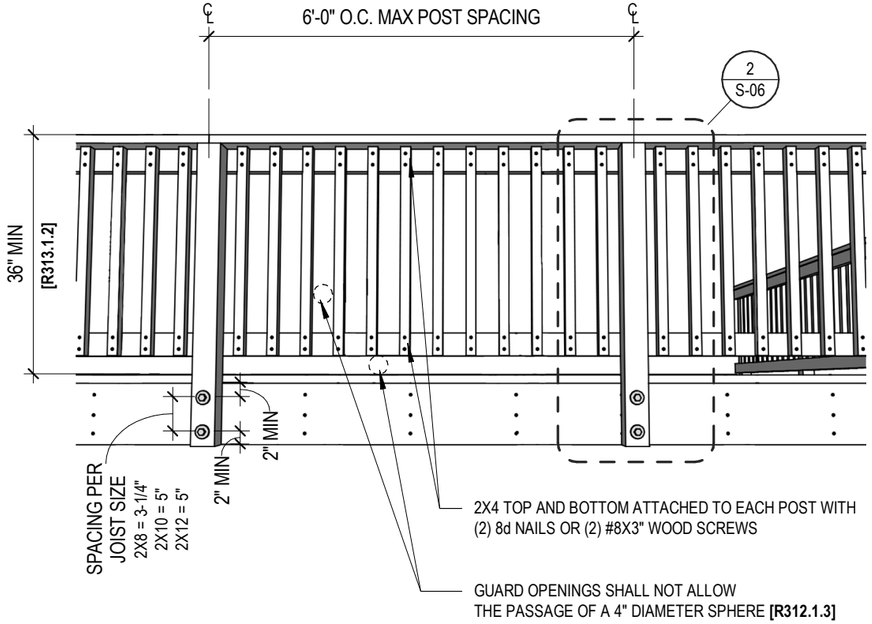
READY-BUILD PLAN PROGRAM
PRESCRIPTIVE DECK

REFERENCE
2018 IRC

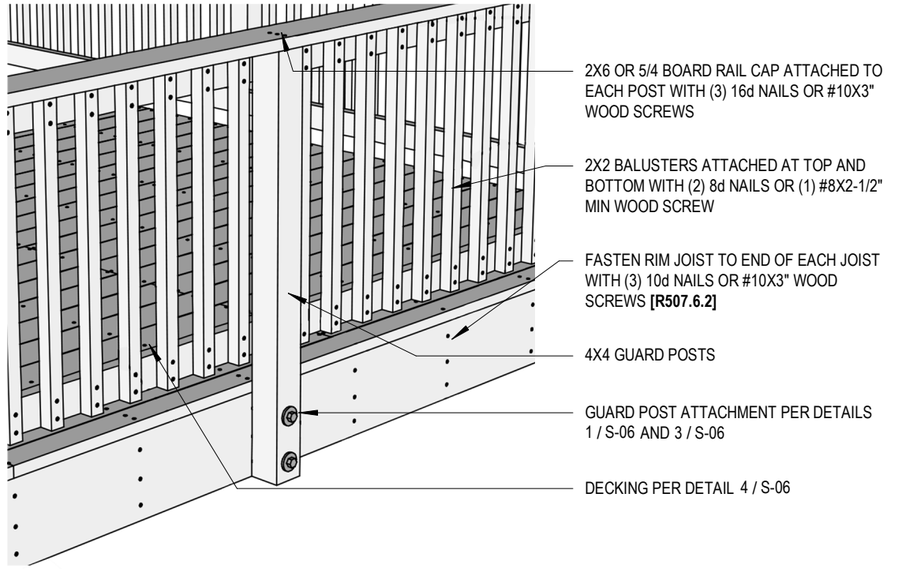
VERSION
01

EFFECTIVE
JULY 2022

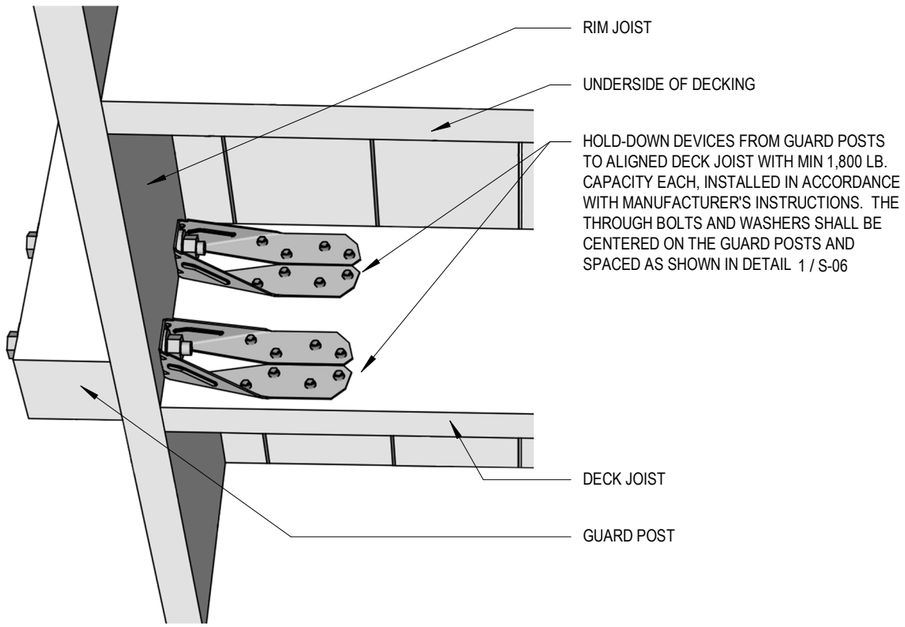
S-05
DETAILS



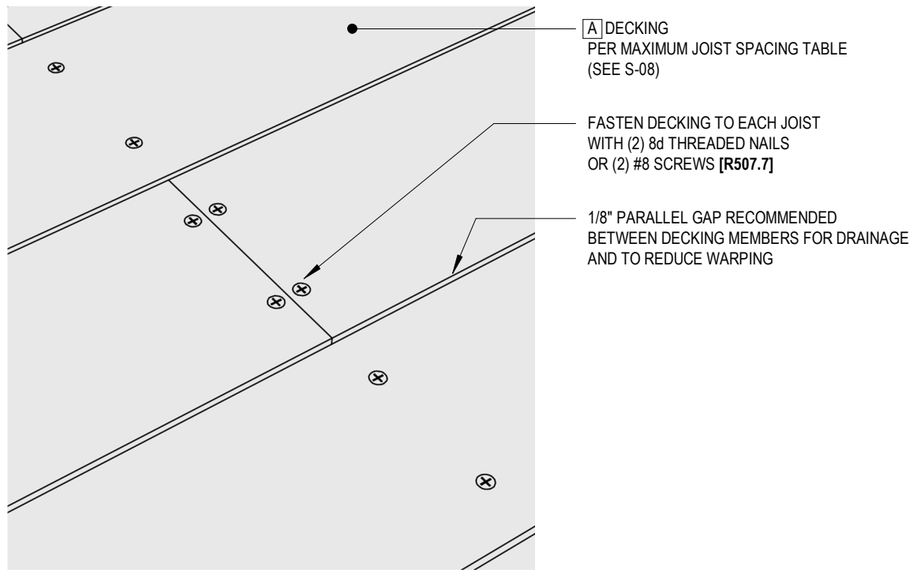
1 DECK GUARD
S-06 NOT TO SCALE



2 DECK GUARD
S-06 NOT TO SCALE



3 GUARD POST TO JOIST CONNECTION
S-06 NOT TO SCALE



4 DECKING CONNECTION
S-06 NOT TO SCALE

PEND OREILLE COUNTY WASHINGTON

READY-BUILD PLAN PROGRAM

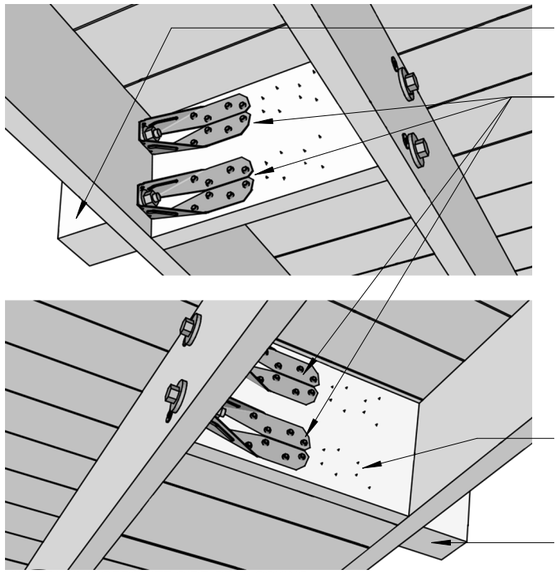
PRESCRIPTIVE DECK

REFERENCE
2018 IRC

VERSION
01

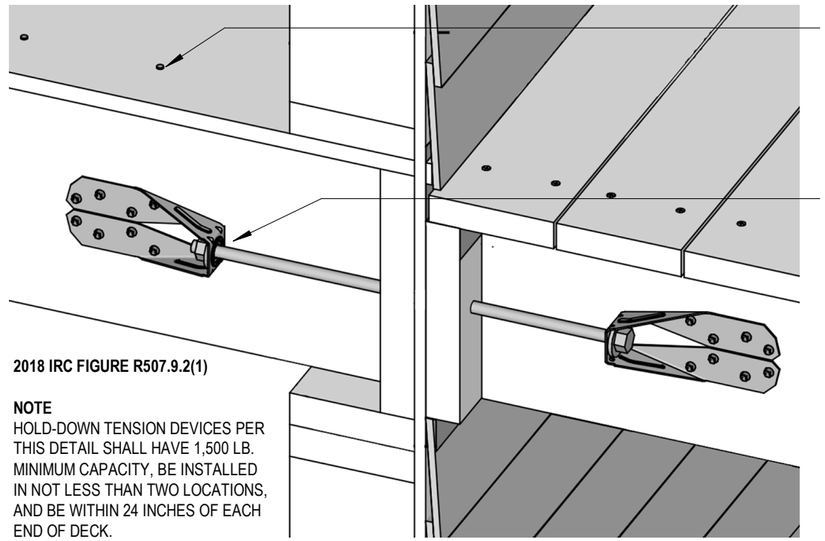
EFFECTIVE
JULY 2022

S-06
DETAILS



1 GUARD POST TO BLOCKING CONNECTION

S-07 NOT TO SCALE

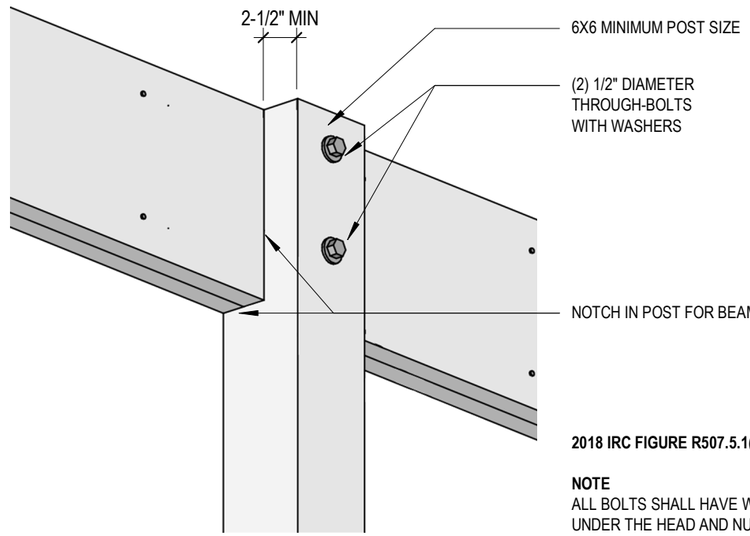


2018 IRC FIGURE R507.9.2(1)

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

S-07 NOT TO SCALE

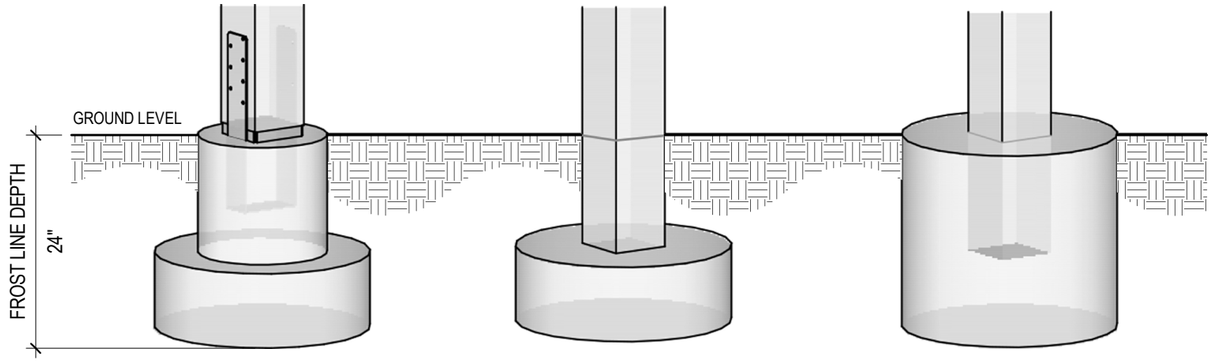


2018 IRC FIGURE R507.5.1(2)

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

3 ALTERNATE BEAM TO POST CONNECTION

S-07 NOT TO SCALE



2018 IRC FIGURE R507.3

NOTE
FROST LINE DEPTH IS 24" PER TABLE **[R301.2(1)]** AS MODIFIED BY SPOKANE MUNICIPAL CODE SMC 17F.040.105

NOTE
POSTS SHALL BE RESTRAINED TO PREVENT LATERAL DISPLACEMENT AT THE BOTTOM OF SUPPORT. SUCH RESTRAINT SHALL BE PROVIDED BY MANUFACTURERED CONNECTORS INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS OR A MINIMUM POST EMBEDMENT OF 12 INCHES IN SURROUNDING SOILS OR CONCRETE **[R507.4.1]**.

4 ALTERNATE POST TO FOOTING CONNECTIONS

S-07 NOT TO SCALE

PEND OREILLE COUNTY WASHINGTON

READY-BUILD PLAN PROGRAM

PRESCRIPTIVE DECK

REFERENCE
2018 IRC

VERSION
01

EFFECTIVE
JULY 2022

S-07
DETAILS

A MAXIMUM JOIST SPACING TABLE

2018 IRC **[R507.7]**

JOIST SPACING FOR DECKING

DECKING TYPE AND NOMINAL SIZE	MAXIMUM ON-CENTER JOIST SPACING (inches)	
	DECKING PERPENDICULAR TO JOIST	DECKING DIAGONAL TO JOIST[a]
5/4 INCH THICK WOOD	16	12
2 INCH THICK WOOD	24	16
PLASTIC COMPOSITE[b]	PER DECKING MANUFACTURER	PER DECKING MANUFACTURER

a. MAXIMUM ANGLE OF 45 DEGREES FROM PERPENDICULAR FOR WOOD DECK BOARDS.
b. PLASTIC COMPOSITE DECK MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF ASTM D7032 AND SECTION **[R507.2]**

B MAXIMUM JOIST SPANS TABLE

2018 IRC **[R507.6]**

JOIST SPANS, L_J (feet-inches)

LOAD[a] (psf)	JOIST SPECIES[a]	JOIST SIZE	ALLOWABLE JOIST SPAN[b,c] (feet-inches)			MAXIMUM CANTILEVER[f,g] (feet-inches)							
			JOIST SPACING (inches)			ADJACENT JOIST BACK SPAN[g] (feet)							
			12	16	24	4	6	8	10	12	14	16	18
60 LIVE LOAD OR 70 GROUND SNOW LOAD	DOUGLAS FIR-LARCH[e] HEM-FIR[e] SPRUCE-PINE-FIR[e]	2X6	7-11	7-1	5-9	1-0	1-6	NP	NP	NP	NP	NP	NP
		2X8	10-5	9-5	7-8	1-0	1-6	2-0	2-1	NP	NP	NP	NP
		2X10	13-3	11-6	9-5	1-0	1-6	2-0	2-6	2-8	NP	NP	NP
		2X12	15-5	13-4	10-11	1-0	1-6	2-0	2-6	3-0	3-3	NP	NP
	REDWOOD[f] WESTERN CEDARS[f] PONDEROSA PINE[f] RED PINE[f]	2X6	7-4	6-8	5-10	1-0	1-4	NP	NP	NP	NP	NP	NP
		2X8	9-8	8-10	7-4	1-0	1-6	1-11	NP	NP	NP	NP	NP
		2X10	12-4	11-0	9-0	1-0	1-6	2-0	2-6	2-6	NP	NP	NP
		2X12	14-9	12-9	10-5	1-0	1-6	2-0	2-6	3-0	3-0	NP	NP

a. 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 / △ = 360 AT MAIN SPAN.
d. L / △ = 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.

C MAXIMUM BEAM SPANS TABLE

2018 IRC **[R507.5(2)]**

MAXIMUM DECK BEAM SPAN - 60 PSF LIVE LOAD[c]

BEAM SPECIES[d]	BEAM SIZE[e]	DECK JOIST SPAN[a,j] (feet)						
		6	8	10	12	14	16	18
DOUGLAS FIR-LARCH[g] SPRUCE-PINE-FIR[g]	(1) 2X6	3-8	3-1	2-8	2-4	2-2	2-0	1-10
	(1) 2X8	5-0	4-1	3-6	3-1	2-10	2-7	2-5
	(1) 2X10	6-1	5-2	4-6	4-0	3-7	3-4	3-2
	(1) 2X12	7-1	6-1	5-5	4-10	4-5	4-1	3-10
	(2) 2X6	5-6	4-9	4-3	3-10	3-5	3-1	2-10
	(2) 2X8	7-5	6-5	5-9	5-0	4-6	4-1	3-9
	(2) 2X10	9-0	7-10	7-0	6-4	5-9	5-2	4-10
	(2) 2X12	10-6	9-1	8-1	7-5	6-10	6-4	5-10
	(3) 2X6	6-11	6-0	5-4	4-11	4-6	4-2	3-10
	(3) 2X8	9-3	8-0	7-2	6-6	6-1	5-6	5-0
	(3) 2X10	11-4	9-10	8-9	8-0	7-5	6-11	6-5
	(3) 2X12	13-2	11-5	10-2	9-4	8-7	8-1	7-7
REDWOOD[h] WESTERN CEDARS[h] PONDEROSA PINE[h] RED PINE[h]	(1) 2X6	6-9	3-2	2-9	2-5	2-2	2-0	1-11
	(1) 2X8	4-10	4-2	3-7	3-2	2-11	2-8	2-6
	(1) 2X10	5-10	5-1	4-6	4-1	3-8	3-5	3-3
	(1) 2X12	6-10	5-11	5-3	4-10	4-5	4-2	3-11
	(2) 2X6	5-7	4-10	4-4	3-11	3-6	3-2	2-11
	(2) 2X8	7-1	6-2	5-6	5-0	4-7	4-2	3-10
	(2) 2X10	8-8	7-6	6-9	6-2	5-8	5-4	4-11
	(2) 2X12	10-1	8-9	7-10	7-2	6-7	6-2	5-10
	(3) 2X6	6-8	6-1	5-5	5-0	4-7	4-3	3-11
	(3) 2X8	8-9	7-9	6-11	6-4	5-10	5-5	5-2
	(3) 2X10	10-11	9-5	8-5	7-8	7-2	6-8	6-3
	(3) 2X12	12-8	10-11	9-9	8-11	8-3	7-9	7-3

a. INTERPOLATION PERMITTED. EXTRAPOLATION NOT PERMITTED.
b. BEAMS SUPPORTING A SINGLE SPAN OF JOISTS WITH OR WITHOUT CANTILEVER.
c. DEAD LOAD = 10 PSF, L / △ = 360 AT MAIN SPAN, L / △ = 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.
g. INCLUDES INCISING FACTOR.
h. INCISING FACTOR NOT INCLUDED.
i. DECK JOIST SPAN AS SHOWN IN FIGURE R507.5.

PEND OREILLE COUNTY WASHINGTON

READY-BUILD PLAN PROGRAM

PRESCRIPTIVE DECK

REFERENCE
2018 IRC

VERSION
01

EFFECTIVE
JULY 2022

S-08
TABLES

D MAXIMUM POST HEIGHT TABLE

2018 IRC **[R507.4]**

DECK POST HEIGHT

LOADS[b] (psf)	POST SPECIES[c]	POST SIZE[d]	MAXIMUM DECK POST HEIGHT[a] (feet-inches) TRIBUTARY AREA[g,h] (square-feet) 20	40	60	80	100	120	140	160
60 LIVE LOAD	DOUGLAS FIR[e] HEM-FIR[e] SPRUCE-PINE-FIR[e]	4X4	14-0	10-10	8-7	7-0	5-8	4-1	NP	NP
		4X6	14-0	13-10	11-1	9-5	8-2	7-3	6-4	5-4
		6X6	14-0	14-0	14-0	14-0	14-0	13-3	10-9	6-11
		8X8	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]	4X4	14-0	10-3	7-0	NP	NP	NP	NP	NP
		4X6	14-0	13-6	10-6	8-4	5-10	NP	NP	NP
		6X6	14-0	14-0	14-0	14-0	11-11	NP	NP	NP
		8X8	14-0	14-0	14-0	14-0	14-0	14-0	14-0	14-0

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.
e. INCLUDES INCISING FACTOR.
f. INCISING FACTOR NOT INCLUDED.
g. AREA, IN SQUARE FEET, OF DECK SURFACE SUPPORTED BY POST AND FOOTING.
h. INTERPOLATION PERMITTED. EXTRAPOLATION NOT PERMITTED.

F MINIMUM LEDGER CONNECTION TABLE

2018 IRC **[R507.9.1.3(1)]**

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 SCREW WITH 1-INCH MAXIMUM SHEATHING[f]
60 LIVE LOAD OR 70 GROUND SNOW LOAD	6	22	36	35
	8	16	31	26
	10	13	25	21
	12	11	20	17
	14	9	17	15
	16	8	15	13
	18	7	13	11

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.
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.

E MINIMUM FOOTING SIZES - 30'' FROST DEPTH REQUIRED IN P.O.C

2018 IRC **[R507.3.1]**

MINIMUM FOOTING SIZE FOR DECKS

LIVE OR GROUND SNOW LOAD[b] (psf)	TRIBUTARY AREA[c] (square-feet)	SOIL BEARING CAPACITY[a,c,d,g] 1500 PSF SIDE OF A SQUARE FOOTING (inches)	DIAMTER OF A ROUND FOOTING (inches)	THICKNESS[f] (inches)
60 LIVE LOAD OR 70 GROUND SNOW LOAD	5	7	8	6
	20	12	14	6
	40	18	20	6
	60	21	24	8
	80	25	28	9
	100	28	31	11
	120	30	34	12
	140	33	37	13
	160	35	40	15

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.
e. AREA, IN SQUARE FEET, OF DECK SURFACE SUPPORTED BY POST AND FOOTINGS.
f. MINIMUM THICKNESS SHALL ONLY APPLY TO PLAIN CONCRETE FOOTINGS.
g. SEE ADDITIONAL OPTIONS FOR SOIL BEARING CAPACITIES GREATER THAN 1500 PSF WITHIN THE FULL WAC AMENDMENTS TO IRC TABLE R507.3.1.

LEDGERS FASTENERS PLACEMENT TABLE

2018 IRC **[R507.9.1.3(2)]**

PLACEMENT OF LAG SCREWS AND THROUGH-BOLTS IN LEDGERS AND BAND JOISTS

	MINIMUM END AND EDGE DISTANCES AND SPACING BETWEEN ROWS (inch) TOP EDGE	BOTTOM EDGE	CUT ENDS	ROW SPACING
LEDGER[a]	2[d]	3/4	2[b]	1-5/8[b]
BAND JOIST[c]	3/4	2[e]	2[b]	1-5/8[b]

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 DETAIL 3 / S-05.
b. MAXIMUM OF 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 DETAIL 3 / S-05.
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

PEND OREILLE COUNTY WASHINGTON

READY-BUILD PLAN PROGRAM

PRESCRIPTIVE DECK

REFERENCE
2018 IRC

VERSION
01

EFFECTIVE
JULY 2022

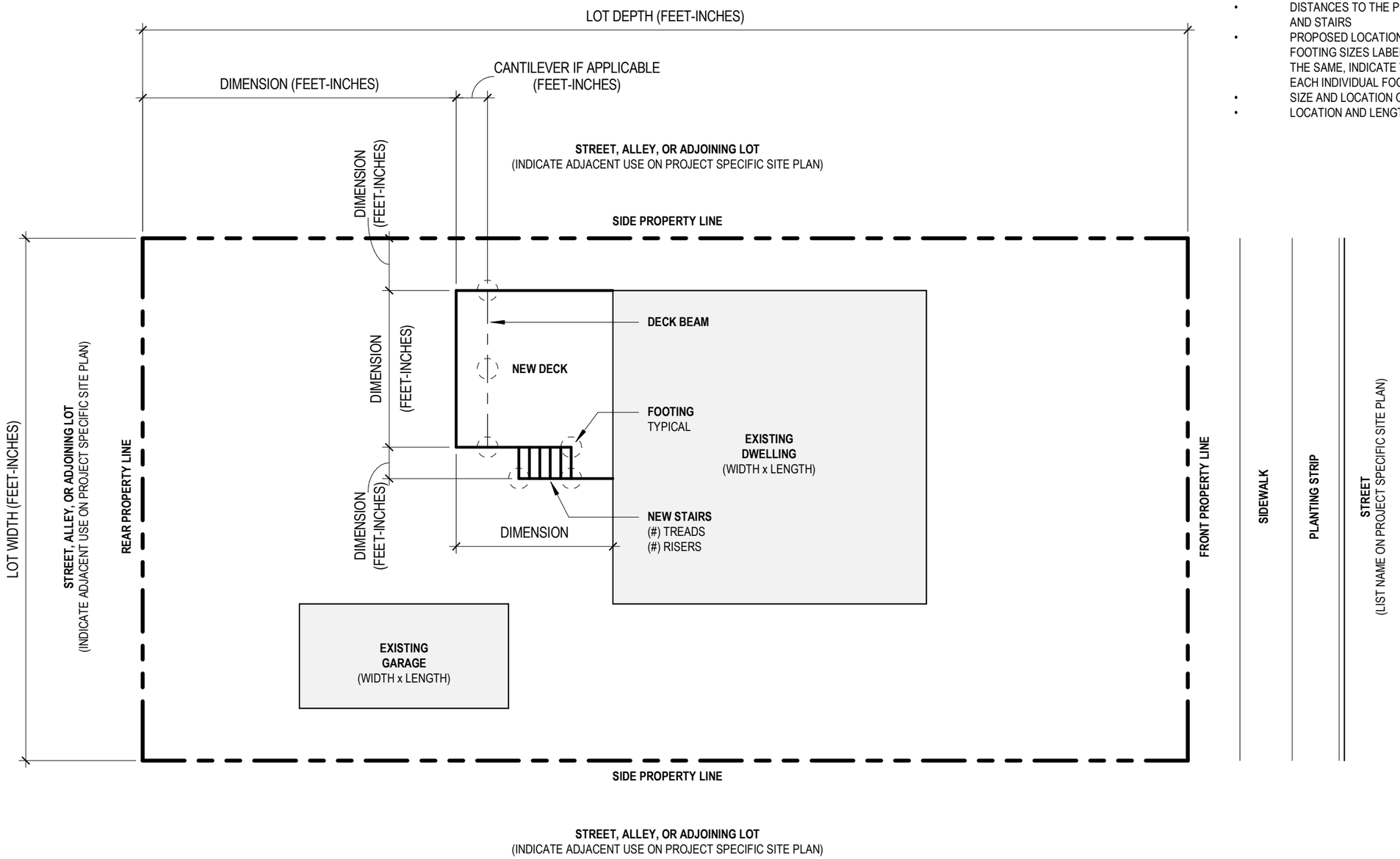
S-09
TABLES

EXAMPLE SITE PLAN

A DIMENSIONED SITE PLAN SHALL BE REQUIRED AND ADDITIONAL DETAILS AND DOCUMENTATION MAY BE NECESSARY BASED ON THE PROPOSED DESIGN.

SITE PLAN DETAILS SHALL INCLUDE BUT NOT BE LIMITED TO:

- PROPERTY LINE LOCATIONS AND DIMENSIONS
- STREET NAMES AND LOCATION OF ALLEY AS APPLICABLE
- LOCATION AND DIMENSIONS OF THE EXISTING STRUCTURES ON THE PROPERTY
- LOCATION AND DIMENSIONS OF THE PROPOSED DECK AND STAIRS
- DISTANCES TO THE PROPERTY LINE FROM THE PROPOSED DECK AND STAIRS
- PROPOSED LOCATIONS OF THE DECK FOOTINGS WITH THE FOOTING SIZES LABELED; WHERE ALL FOOTING SIZES ARE TO BE THE SAME, INDICATE **TYPICAL**; WHERE FOOTING SIZES VARY, LABEL EACH INDIVIDUAL FOOTING
- SIZE AND LOCATION OF DECK BEAMS
- LOCATION AND LENGTHS OF ANY JOIST OR BEAM CANTILEVERS



1 EXAMPLE SITE PLAN
S-10 NOT TO SCALE

PEND OREILLE COUNTY WASHINGTON

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PRESCRIPTIVE DECK

REFERENCE
2018 IRC

VERSION
01

EFFECTIVE
JULY 2022

S-10
EXAMPLE SITE PLAN

COMPONENT A DECKING [R507.7]

	SIZE
	2X
	5/4
	MATERIAL
	PRESERVATIVE-TREATED
	PLASTIC COMPOSITE
	NATURALLY DURABLE (E.G. CEDAR)
	ORIENTATION
	PERPENDICULAR TO JOISTS
	DIAGONAL TO JOISTS

COMPONENT B JOISTS [R507.6]

	SIZE
	2X6
	2X8
	2X10
	2X12
	SPACING
	12 INCHES ON CENTER
	16 INCHES ON CENTER
	24 INCHES ON CENTER
	SPAN, L_J
	_____ FEET - _____ INCHES
	CANTILEVER, L_C
	_____ FEET - _____ INCHES
	RIM JOIST
	2X6
	2X8
	2X10
	2X12
	NOT APPLICABLE

COMPONENT C BEAMS [R507.5]

	PLIES
	1
	2
	3
	SIZE
	2X6
	2X8
	2X10
	2X12
	_____ X _____ GLULAM BEAM, IF APPLICABLE
	_____ X _____ (OTHER, IF APPLICABLE)
	SPECIES
	_____
	SPAN, L_B
	_____ FEET - _____ INCHES
	CANTILEVER
	_____ FEET - _____ INCHES (L_B/4 MAX)

COMPONENT D POSTS [R507.4]

	SIZE
	4X4
	4X6
	6X6
	_____ X _____ (OTHER, IF APPLICABLE)
	HEIGHT
	_____ FEET - _____ INCHES
	SPECIES
	_____

COMPONENT E FOOTINGS [R507.3]

	SIZE	
	_____ INCHES	SQUARE
		ROUND
	THICKNESS	
	_____ INCHES	

COMPONENT F LEDGER [R507.9.1]

	SIZE
	2X8
	2X10
	2X12
	FASTENER
	1/2 INCH THROUGH-BOLT
	1/2 INCH LAG SCREW
	CODE-COMPLIANT ALTERNATE (ATTACH REPORT)
	FASTENER SPACING
	_____ INCHES ON-CENTER

COMPONENT G LATERAL LOAD CONNECTION [R507.9.2]

	SELECT ONE
	(4) 750 LB. HOLD-DOWN TENSION DEVICES PER 1 / S-05
	(2) 1,500 LB. HOLD-DOWN TENSION DEVICES PER 2 / S-07
	CODE-COMPLIANT ALTERNATE (ATTACH REPORT)

COMPONENT H GUARDRAIL POST ATTACHMENT [R301.5]

	SELECT ONE
	DETAILS 1 / S-06, 2 / S-06, 3 / S-06, AND 1 / S-07
	CODE-COMPLIANT ALTERNATE (ATTACH REPORT)
	NOT REQUIRED AS THE DECK IS NOT MORE THAN 30" ABOVE GRDE AT ANY POINT WITHIN 36" OF ALL DECK EDGES **[R312.1.1]**

COMPONENT I STAIRS [R311.7]

	RISER HEIGHT (SEE SHEET S-04)
	_____ INCHES
	TREAD DEPTH
	_____ INCHES
	NOT APPLICABLE
	CHECK HERE IF PROJECT DOES NOT INCLUDE STAIRS

PROJECT SPECIFIC INFORMATION

NOTE TO PROJECT APPLICANT
PLEASE CHECK THE APPLICABLE BOXES AND/OR ENTER THE APPROPRIATE INFORMATION FOR EACH COMPONENT CATEGORY LISTED ON THIS SHEET PRIOR TO SUBMITTING THE PERMIT APPLICATION.

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READY-BUILD PLAN PROGRAM
PRESCRIPTIVE DECK

REFERENCE
2018 IRC

VERSION
01

EFFECTIVE
JULY 2022

S-11
PROJECT SPECIFIC INFORMATION

PROJECT SPECIFIC SITE PLAN

NOTE TO PROJECT APPLICANT
PLEASE PROVIDE A DIMENSIONED SITE PLAN OF THE PROJECT ON THIS SHEET PRIOR TO SUBMITTING THE PERMIT APPLICATION.

A DIMENSIONED SITE PLAN SHALL BE REQUIRED AND ADDITIONAL DETAILS AND DOCUMENTATION MAY BE NECESSARY BASED ON THE PROPOSED DESIGN. **SEE SHEET S-10 FOR EXAMPLE SITE PLAN.**

SITE PLAN DETAILS SHALL INCLUDE BUT NOT BE LIMITED TO:

- PROPERTY LINE LOCATIONS AND DIMENSIONS
- STREET NAMES AND LOCATION OF ALLEY AS APPLICABLE
- LOCATION AND DIMENSIONS OF THE EXISTING STRUCTURES ON THE PROPERTY
- LOCATION AND DIMENSIONS OF THE PROPOSED DECK AND STAIRS
- DISTANCES TO THE PROPERTY LINE FROM THE PROPOSED DECK AND STAIRS
- PROPOSED LOCATIONS OF THE DECK FOOTINGS WITH THE FOOTING SIZES LABELED; WHERE ALL FOOTING SIZES ARE TO BE THE SAME, INDICATE **TYPICAL**; WHERE FOOTING SIZES VARY, LABEL EACH INDIVIDUAL FOOTING
- SIZE AND LOCATION OF DECK BEAMS
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READY-BUILD PLAN PROGRAM
PRESCRIPTIVE DECK

REFERENCE
2018 IRC

VERSION
01

EFFECTIVE
JULY 2022

S-12
PROJECT SPECIFIC SITE PLAN