

# LUMBER SPECIFICATION EXAMPLES<sup>1</sup>

Based on SPIB Grading Rules and AWPA Standards

Use	Product Classification	Size inches – nominal	Length feet	Species	Grade	Moisture Content	Surface Texture	AWPA Use Category	Treatment & Retention
Sill Plate <sup>2</sup>	Dimension Lbr or Structural Light Framing	2 x 4	x 12, 14, 16	SP	No.3	KD19	S4S	UC2 (Above Ground, Interior Damp)	SBX .17 pcf KDAT
Sill Beam <sup>2</sup>	Timbers	6 x 8	x 16	SP	No.2		S4S	UC2 (Above Ground, Interior Damp)	ACQ-D .15pcf or CA-C .06 pcf
Solid-Sawn Stud	Dimension Lbr or Studs	2 x 4	x 92-5/8" PET	SP	Stud	KD19	S4S	UC1 (Above Ground, Interior Dry)	SBX .17 pcf KDAT
Finger-Jointed Stud	Glued Lumber (Stud Use Only) HRA	2 x 4	x 104-5/8" PET	SP	No.2	KD19	S4S		
PWF <sup>2</sup> Stud	Dimension Lbr or Structural Joists & Planks	2 x 6	x 10	SP	No.2	KD19	S4S	UC4B (Ground Contact, Critical)	CCA .60 pcf KDAT
Roof Rafter	Dimension Lbr or Structural Joists & Planks	2 x 6	x 8 - 20	SP	MSR 2400f-2.0E	KD19	S4S	UC1 (Above Ground, Interior Dry)	SBX .17 pcf KDAT
Floor Joist	Dimension Lbr or Structural Joists & Planks	2 x 10	x 6 - 16	SP	MEL M-29	KD19	S4S	UC1 (Above Ground, Interior Dry)	SBX .28 pcf KDAT (Formosan Termites)
Outdoor Deck Joist <sup>3</sup>	Dimension Lbr or Structural Joists & Planks	2 x 8	x 12	SP	No.2		S4S	UC3B (Above Ground, Exterior)	ACQ-D .15pcf or CA-C .06 pcf
Outdoor Deck Decking <sup>3</sup>	Radius Edge Decking	5/4 x 6	x 12	SP	Premium R.E.D.		S4S Eased Edges	UC3B (Above Ground, Exterior)	ACQ-D .15pcf or CA-C .06 pcf
Post-Frame Building Post <sup>2</sup>	Timbers	6 x 6	x 16	SP	No.1	S-GRN (25%)	S4S	UC4B (Ground Contact, Critical)	ACQ .60 pcf or CA-C .31 pcf
Highway Guardrail Post <sup>2</sup>	Timbers	6 x 8	x 16	SP	No.2		S4S	UC4B (Ground Contact, Critical)	CCA .50 pcf
Fence Post <sup>2</sup>	Dimension Lbr or Structural Light Framing	4 x 4	x 8	SP	No.2		S4S	UC4A (Ground Contact, Non-critical)	ACQ .40 pcf or CA-C .15 pcf
Heavy Timber Decking	Decking	3 x 6	R/L	SP	Select Decking	KD15	S2S&CM -EV1S	UC1 (Above Ground, Interior Dry)	SBX .17 pcf KDAT
Marine Bulkhead <sup>2</sup>	Heavy Dimension Lbr or Structural Joists & Planks	3 x 6	x 12	SP	No.1 Seawall		S4S	UC5C (Salt Water, Gulf Coast)	CCA 2.5 pcf
Flooring	Flooring	1 x 3-1/8 (Net Dry)	x 8, 10, 12	SP	D	KD (12%)	S2S&SM (Flat Grain)		
Porch Flooring <sup>3</sup>	Flooring	1 x 4	x 12	SP	D	Dry (15%)	S2S&SM	UC3B (Above Ground, Exterior)	ACQ-D .15pcf or CA-C .06 pcf
Siding	Drop Siding	1 x 6	x 10	SP	No.2	KD15	Pattern #116	UC3A (Above Ground, Exterior, Coated)	ACQ-D .15pcf or CA-C .06 pcf
Fascia	Finish	1 x 6	x 12	SP	C&Btr	KD 15	S4S	UC3A (Above Ground, Exterior, Coated)	ACQ-D .15pcf or CA-C .06 pcf
Ceiling	Ceiling and Partition	5/8 x 4	x 8	SP	D	KD (12%)	S2S&CM -EV1S		
Paneling	Paneling	1 x 5-1/8 (Net Dry)	x 10	SP	C&Btr	KD (12%)	Pattern #SPP 62	UCFA (Above Ground, Interior)	Fire Retardant for Fire Protection Flame Spread Class A
Trim	Moulding	1 x 4	x 8	SP	D	KD (12%)	S4S		

<sup>1</sup>Abbreviations: ACQ – Alkaline Copper Quat; AWPA – American Wood Protection Association; C&Btr – grade C and better; CA-B – Copper Azole Type-B; CCA – Chromated Copper Arsenate; DNS – Dense; HRA – Heat Resistant Adhesive; KD – Kiln-Dried; KDAT – Kiln-Dried After Treatment; Lbr – Lumber; MEL – Machine Evaluated Lumber; MSR – Machine Stress Rated; PET – Precision End Trim; PWF – Permanent Wood Foundation; R/L – Random Lengths; R.E.D. – Radius Edge Decking; S-GRN – surface green; S1S2E – surfaced one side and two edges; S2S&CM-EV1S – surfaced two sides and center matched with edge V on one side; S2S&SM – surfaced two sides and standard matched; S4S – surfaced four sides; SBX – Inorganic Boron; SP – Southern Pine (could also be SYP for Southern Yellow Pine); SPIB – Southern Pine Inspection Bureau; SPP – Standard Patterns of Paneling; UC – Use Category; <sup>2</sup>Preservative treatment code required; <sup>3</sup>Preservative treatment recommended