

**SUPPLEMENT NO. XV
STANDARD GRADING RULES
FOR**

WEST COAST LUMBER NO. 17

Approved by the Board of Directors

September 8, 2006

Approved by the ALS Board of Review

February 8, 2007

Reissued with corrected Table 250-d - Oct. 8, 2009

The following replaces Para. 126, 126a, and 126b.

**EXTERIOR DECKING
ALL WEST COAST SPECIES
Rough or Surfaced**

K.D., A.D., or Unseasoned
5/4" to 2" Thickness, 4" and Wider

Recommended for flatwise load applications where spans are limited to 24" on center for nominal 6" and wider, and 16" on center for all other widths.

Approved by the American Lumber Standard Committee Board of Review. Species graded under this rule are span rated in accordance with the requirements of the American Lumber Standard Committee Policy for Evaluation of Recommended Spans for Span Rated Decking Products.

126. Exterior Decking is recommended for flatwise use, where it's decorative appearance makes it highly suitable for outdoor applications such as patio and poolside decks, benches, boardwalks, planter boxes, and many garden uses.

Exterior Decking is run to standard sizes with the option of radius edges per buyer's specification.

There are two grades of Exterior Decking: "SELECT DEX" and "COMMERCIAL DEX."

126-a. "SELECT DEX" Characteristics permitted and limiting provisions shall be:

Medium stained sapwood, heart stain firm.

Short splits.

Medium seasoning checks.

Medium bark pockets, small pitch pockets.

Light shake - several along length, none through; if through at ends, limited as splits.

Medium raised or torn grain.

Pin holes - limited.

Holes - Pin to small size, equivalent to chipped knots.

Knots - Sound and tight.

Nominal Width	Knot Size	Span Rating
4" 5"	1-1/2" 2"	16" O.C.
6" 8" 10" 12"	2-1/2" 3" 3-1/2" 4"	24" O.C.

Spike knots or narrow face knots equivalent displacement.

Chipped knots - not to exceed 1/3 thickness, 2 per 12'.

Pitch streaks - medium or equivalent.

Skip - very light, 1 per 12'; light on reverse face and edges.

Warp - light

Slope of grain - 1 in 8.

Unless otherwise specified, reverse face may contain characteristics one grade lower (Exterior Commercial Decking). In addition, pieces may contain wane 1/2 the thickness by 1/3 the width or equivalent on each face; in cedar species, peck permitted in small spots or streaks limited to 1/6 width.

126-b. "COMMERCIAL DEX" Characteristics permitted and limiting provisions shall be:

Stained wood.

Medium splits.

Season checks.

Large bark pockets, medium pitch pockets.

Manufacture - Standard "F."

Medium shake - 1/4 length, none through; if through at ends limited as splits.

Torn or raised grain.

Pin holes.

Knots:

Nominal Width	Sound & Tight Knots	Unsound & Loose Knots, Holes*	Span Rating
4" 5"	1-7/8" 2-1/2"	1" 1"	16" O.C.
6" 8" 10" 12"	3" 4" 5" 6"	1-1/2" 2" 2" 2"	24" O.C.

* Holes maximum one hole per 12' length.

Spike knots or narrow face knots equivalent displacement.

Slope of grain - 1 in 8.

Skip - light on face, 2 per 12'; hit and miss 1/32 on reverse face, medium on edges.

Warp - medium.

White speck - firm 1/3 face area.

Unless otherwise specified, reverse face may contain characteristics 25% larger than face side. In addition: white speck, firm; unsound wood in small spots and streaks limited to 1/6 width; wane 1/2 the thickness by 1/3 the width, or equivalent on each face; in cedar species, peck permitted in spots or streaks limited to 1/3 width.

Revise Table 250-d to include standard sizes for Timbers in accordance with PS 20-05.

**SIZE STANDARDS
CONSTRUCTION GRADES
SEASONED AND UNSEASONED**

250-d. Thicknesses apply to all widths and all widths apply to all thicknesses.

Nominal Size (Inch)	Thickness		Widths	
	Min. Dressed Size		Min. Dressed Size	
	Dry	Green	Dry	Green
	inches	inches	inches	inches
5	4-1/2	4-1/2	4-1/2	4-1/2
6	5-1/2	5-1/2	5-1/2	5-1/2
8	7-1/4	7-1/2	7-1/4	7-1/2
10	9-1/4	9-1/2	9-1/4	9-1/2
12	11-1/4	11-1/2	11-1/4	11-1/2
14	13-1/4	13-1/2	13-1/4	13-1/2
15	14-1/4	14-1/2	14-1/4	14-1/2
16	15	15-1/2	15	15-1/2
Larger	1" off nom.	1/2" off nom.	1" off nom.	1/2" off nom.

Para. 200 Table 5d: revise listed species as follows:

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SPECIES	GRADE	Ext. Fiber bending, Fb (psi)	Tension parallel to grain, Ft (psi)	Comp. Parallel to grain, Fc (psi)	Comp. Perp. to grain, Fc2 (psi)	Horiz. shear, Fv (psi)	Modulus of elasticity, E (psi)
SCOTS PINE SWEDEN	Sel. Str. No. 1	1,350	600	1,200	410	120	1,700,000
	No. 2	850	375	1,000	410	120	1,500,000
	No. 3	625	275	875	410	120	1,300,000
		375	175	500	410	120	1,200,000

Para. 200 Table 6d: Revise listed species as follows:

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SPECIES	GRADE	Ext. Fiber bending, Fb (psi)	Tension parallel to grain, Ft (psi)	Comp. Parallel to grain, Fc (psi)	Comp. Perp. to grain, Fc2 (psi)	Horiz. shear, Fv (psi)	Modulus of elasticity, E (psi)
SCOTS PINE SWEDEN	Const.	725	325	1,100	410	120	1,200,000
	Stand.	400	175	900	410	120	1,100,000
	Utility	200	75	600	410	120	1,000,000
	Stud	500	225	550	410	120	1,200,000

