This section is part of Standard Grading Rules for West Coast Lumber No. 17 (2004 edition) published by West Coast lumber Inspection Bureau (www.wclib.org). Other sections and provisions of the grade rules may be applicable to the information and specifications provided here. Please refer to the table of contents for additional cross reference information.

ERRATA
STANDARD GRADING RULES
FOR
WEST COAST LUMBER NO. 17

Effective September 1, 1991

Revised January 1, 2004

(Errata published - 3/12/2004)

Para. 200-l (pg. 196) Add the following species to the table of specific gravity values for imported species:

Species or Species Group	Country of Origin	Specific Gravity (OD WT/OD VOL)
Nor. Spruce	Germany	0.42
Scots Pine	Germany	0.53

Para. 200, Table 4 (pg. 197). Add size factors for light framing grades as follows:

Grade	Size Factor for Nom. 2" & 3" width					
	Fb	Ft	Fc	Fc2	Fv	E
Const.,Stand	1.0	1.0	1.0	1.0	1.0	1.0
Utility	0.4	0.4	0.6	1.0	1.0	1.0

Para. 200, Table 5d (pg. 201). Revise following values as indicated:

Species	Grade	E, (psi)
Scots Pine, from	Sel. Str.	1,500,000
Lithuania & Estonia	No. 1	1,300,000

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Para. 200, Table 6c (pg. 204). Revise following values as indicated:

Species	Grade	Fc, (psi)
Norway Spruce from Baltic States	Stand.	975

Para. 204 (pg. 223) Insert the following:

DENSITY & RATE OF GROWTH

(Any grade when specified)

204. The greater the specific gravity of lumber the greater is the strength of the wood fibers. Two methods of measuring specific gravity or density are available and are described in section 5.6 including sub-sections of ASTM D245-00. One method described herein is visually measuring the growth rings per inch along with the amount of summerwood in the growth rings.

Rate of growth requirements are sometimes a part of a grading rule for reasons of texture as well as strength.

204-a.. "MEDIUM GRAIN" means an average of approximately 4 or more annual rings per inch on either one end or the other of a piece, measured as described in Para. 204-d. In Douglas fir, pieces averaging less than 4 rings per inch are accepted if averaging 1/3 or more summerwood - the dark portion of the annual ring.

204-b. "CLOSE GRAIN" means an average of approximately 6, but not more than approximately 30 annual rings per inch on either one end or the other of a piece, measured as described in Para. 204-d. In Douglas fir, pieces averaging 5 rings or more than 30 rings per inch, are accepted as close grain if averaging 1/3 or more summerwood.

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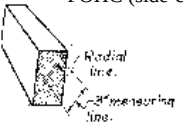
204-c. "DENSE MATERIAL" in Douglas fir averages approximately 6 or more annual rings per inch and, in addition, 1/3 or more summerwood on either one end or the other of a piece, measured as described in Para. 204-d. The contrast in color between the summerwood and springwood must be distinct. Pieces averaging less than 6 annual rings per inch but not less than 4 are accepted as dense if averaging ½ or more summerwood.

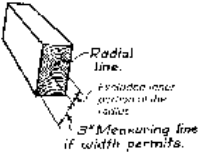
204-d. MEASURING AVERAGE RATE OF GROWTH.

Average rate of growth shall be made in such a way as to ensure that the measured radial line is representative. Measurement shall be made over a continuous length of 3" or as nearly 3" as is available. The length shall be centrally located in side cut (FOHC) pieces. In pieces containing the pith (boxed heart), the measurement may exclude an inner portion of the radius amounting to approximately one quarter of the least dimension.

FOHC (side-cut)



Boxed Heart (pith present)



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Para. 210 (pg. 232). Add the following tables of allowable knots in the joint area. Of structural glued lumber.

Maximum Permitted Knot Size
in End Joint Area

Nom. Width	CERTIFIED END JOINT			
	Select Struct.	No. 1,	No. 2	No. 3 (and Lt. Frm. Grades*)
2"	3/16"	1/4"	1/4"	3/8"
3"	1/4"	3/8"	1/2"	5/8"
4"	3/8"	1/2"	3/4"	7/8"
5"	1/2"	5/8"	7/8"	1-1/8"
6"	5/8"	3/4"	1"	1-3/8"
8"	3/4"	1"	1-1/8"	1-5/8"
10"	1"	1-1/8"	1-3/8"	1-7/8"
12"	1-1/4"	1-1/4"	1-1/2"	2"

* Lt. Framing Grades are 4" nominal width and less.

Maximum Permitted Knot Size
in End Joint Area

Nom. Width	STUD USE ONLY		
	Select Structural	No. 1, No. 2, Const.	Stud, No. 3, Stand., Utility
2"	1/4"	1/4"	3/8"
3"	3/8"	1/2"	3/4"
4"	1/2"	5/8"	1"
5"	5/8"	3/4"	1-1/4"
6"	3/4"	7/8"	1-1/2"

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