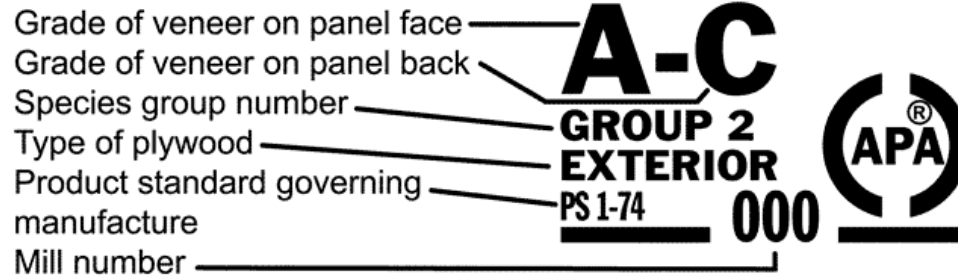


# Common Softwood Classifications and Grades

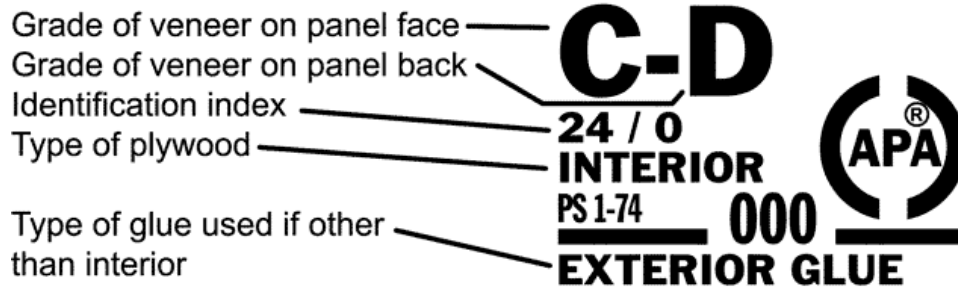
Classification and Grade	Description or Use
<b>Finish or selects - Up to 1 1/2 in. thick, 2 in. or more wide; graded on basis of appearance</b>	
B & BTR	Nearly clear, with only minor defects; suitable for natural finish
C	More and larger defects than B & BTR but suitable for paint finish
D	A little lower in quality than C but still suitable for paint finish
<b>Boards - Up to 1 1/2 in. thick, 2 in. or more wide; graded for suitability for use in construction</b>	
SEL MER or 1	Used in housing and light construction for exposed paneling, shelving, etc.
CONST 2	Used for subfloors, roof sheathing, etc.
STD 3	Used about the same as CONST 2 grade but a little lower in quality
UTIL 4	Combines usefulness and lower cost for general construction purposes
ECON 5	Used for low-grade sheathing, crating, and bracing
<b>Dimension - 2 to 5 in. thick, 2 in. or more wide</b>	
<b>Structural light framing</b>	2 to 4 in. thick, 2 to 4 in. wide; for engineered use when higher strength is needed
Select structural (SEL STR)	Used where high strength, stiffness and good appearance are needed
No. 1	Used about the same as SEL STR grade, but a little lower in quality
No. 2	Recommended for most general construction uses
No. 3	Used for general construction where appearance is not a factor
<b>Light framing</b>	2 to 4 in. thick, 2 to 4 in. wide; provides good appearance where high strength and high appearance are not needed
Construction	Recommended and widely used for general framing purposes
Standard	About the same uses as construction grade, but a little lower in quality
Utility	Used for studding, blocking, plates, etc., where economy and good strength are desired
Economy	Suitable for crating, bracing, and temporary construction
<b>Studs</b>	2 to 4 in. thick, 2 to 4 in. wide; only one grade for studs, which is suitable for all stud uses
<b>Structural joints and planks</b>	2 to 4 in. thick, 6 in. and more wide; for engineering applications
Select structural	Used where high strength and stiffness and good appearance are needed
No. 1	Used about the same as SEL STR grade, but a little lower quality
No. 2	Recommended for most general construction use
No. 3	For use in general construction where appearance is not a factor
<b>Appearance and framing</b>	2 to 4 in. thick, 2 in. and more wide
A	Used in housing and light construction for high strength and finest appearance
<b>Timbers - 5 in. or more in least dimension</b>	
Select structural	Used where superior strength and good appearance are needed
No. 1	Similar to SEL STR grade, but a little lower in quality
No. 2	Recommended for general construction
No. 3	Used for rough general construction

# Sample Plywood Grade Stamps

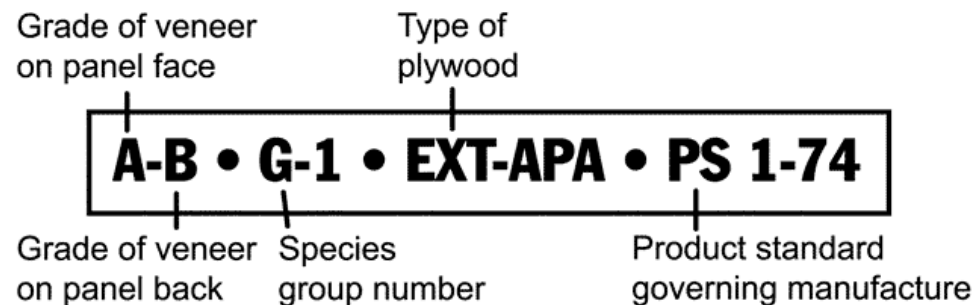
## Typical sanded panel back-stamp



## Typical unsanded panel back-stamp



## Typical edge stamp



# Veneer Grades

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**A**

Smooth, paintable. Not more than 18 neatly made repairs, boat, sled, or router type, and parallel to grain, permitted. Wood or synthetic repairs permitted. May be used for natural finish in less demanding applications.

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**B**

Solid surface. Shims, sled or router repairs, and tight knots to 1 inch across grain permitted. Wood or synthetic repairs permitted. Some minor splits permitted.

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**C**  
Plugged

Improved C veneer with splits limited to 1/8 inch width and knotholes or other open defects limited to 1/4 x 1/2 inch. Wood or synthetic repairs permitted. Admits some broken grain.

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**C**

Tight knots to 1-1/2 inch. Knotholes to 1 inch across grain and some to 1-1/2 inch if total width of knots and knotholes is within specified limits. Synthetic or wood repairs. Discoloration and sanding defects that do not impair strength permitted. Limited splits allowed. Stitching permitted.

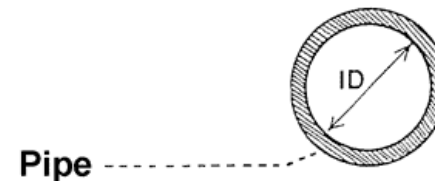
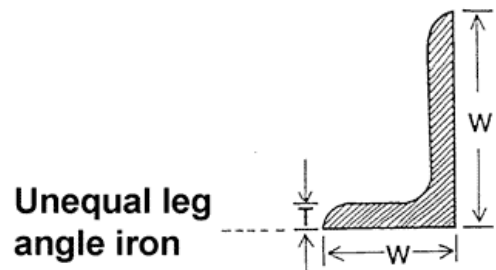
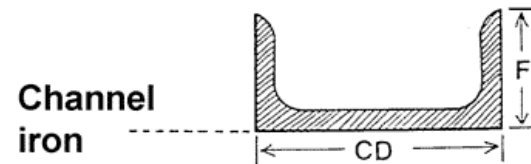
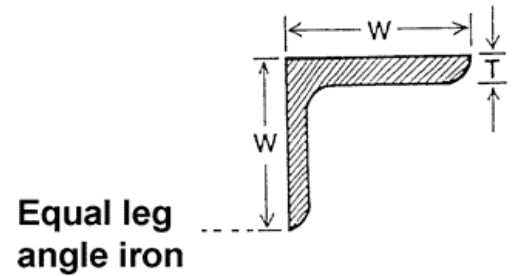
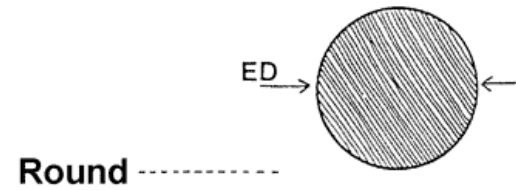
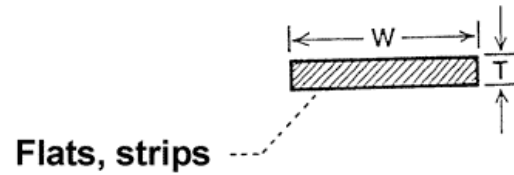
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**D**

Knots and knotholes to 2-1/2 inch width across grain and 1/2 inch larger within specified limits. Limited splits are permitted. Stitching permitted. Limited to Exposure 1 or Interior panels.

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# Dimensions of Steel Stock



## Legend

CD = Channel Depth	S = Stem height
ED = External Diameter	T = Thickness
F = Flange width	W = Width
ID = Internal Diameter	