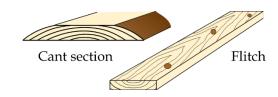
# NLGA Flitch – Lesson 6

### I. NLGA Flitch Grade Table

- a) The purpose intended for grading Flitches is for their cutting qualities.
- b) Flitches are graded on the premise that the entire piece will be ripped up into one-inch-thick strips.



### II. Production of Flitches



a) Knots appearing on a vertical grain piece, and which are not showing on either wide face must be considered as passing completely through the piece.

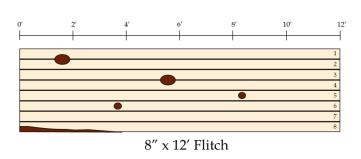
# III. Quality and Size of Cuttings

- a) Individual cuttings must be flawlessly clear and each cutting must have a minimum rate of growth of six-rings-per-inch and a minimum slope of grain of one-in-eight.
- b) The minimum cutting length in Flitches is 24-inches-long-or-longer in increments of whole inches.
- c) For Flitches twelve-feet-and-longer to make the grade of Factory Flitch, 50% of the 80% of the required cuttings (or 40% of the piece), must consist of seven-foot or longer cuttings.
- d) The grade of Shop Flitch has no requirement for seven-foot long cuttings.

  Remember, cuttings may be taken up to the edge of knots (to the nearest whole inch), but damaging grain distortion should not be accepted in the cuttings.

## IV. Flitch Sample:

- a) Size: 8 inches wide, 12 feet long.
- b) Graded as one-inch strips.
- c) Total yield: 96 lineal feet (8 strips × 12 feet).

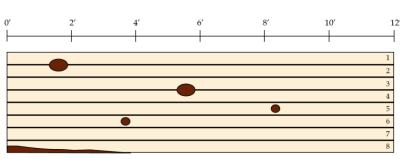


## V. Factory Flitch Waste Allowance:

- a) Maximum 20% waste.
- b) Allowed waste: 19 feet 2 inches.

### VI. Waste Calculation:

- a) Strip 1: 2 feet.
- b) Strip 2: 2 feet.
- c) **Strips 3 and 4:** 12 inches combined.
- d) Strip 5: 3 inches.
- e) Strip 6: 3 inches.
- f) **Strip 7:** 0 feet (100% usable).
- g) Strip 8: 4 feet.
- h) Total Waste: 91/2 feet (under 19 feet 2 inches).



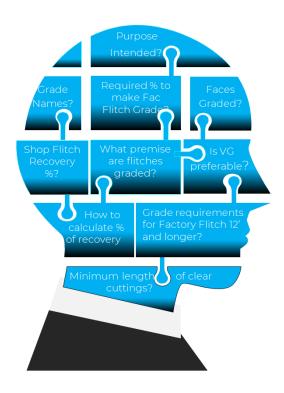
8" x 12' Flitch

## VII. Additional Criterion:

- a) 50% of available cutting recovery (40% of piece) as seven-foot and longer.
- b) Required: 38 feet 4 inches.

## VIII. Seven-Foot and Longer Cuttings:

- a) Strip 1: 10 feet.
- b) Strip 2: 10 feet.
- c) Strips 3 and 4: 0 feet.
- d) Strips 5 and 6: 8 feet each.
- e) Strip 7: 12 feet.
- f) Strip 8: 8 feet.
- g) Total: 56 feet (over 38 feet 4 inches).



### **NLGA Flitch Review**

Some Thought-Provoking Concepts

- Factory Flitch % Recovery?
- What is the minimum recovery required to make Shop Flitch?
- 2 Grade Names?
  Factory Flitch and Shop Flitch
- Purpose Intended?
  Cutting Qualities
- Faces Graded?
  Poorest face
- On what premise are flitches graded?

  Thatthey will be ripped to 1" stock
- 7 Flitches are preferably sawn VG, True or False?
- What is the minimum length of cuttings?
  24" and longer
- What are the grade requirements of Fac. Flitch 12' and longer?
  Piece must yield 80% or more recovery, plus, 40% of the piece must yield 7' and

longer cuttings.

A flitch that is 4x8 – 10' has the following: 45' of cuttings and 35' of waste?

Reject: recovery is 56.25%, waste is more than 40% (43.75%)