

Project

Date

Lumber yard

Framing goes wrong when a whole floor is estimated as one number. Take each wall separately: the openings and corners are where the extra studs go, and they are never spread evenly.

1 · EACH WALL ON ITS OWN LINE

WALL	LENGTH FT	HEIGHT FT	SPACING	OPENINGS	CORNERS	STUDS	PLATE FT

- Every opening needs two king studs and two jacks — four extra, whatever the width.
- Every corner where this wall meets another costs two more.
- Plate material is the wall length once for the bottom and twice for a double top plate.
- Add 10% on top for cripples above the headers, blocking, and the boards you cut wrong.

2 · SHEET GOODS

WHERE	AREA SQ FT	SHEET SIZE	WASTE %	SHEETS

A 4 × 8 sheet is 32 sq ft. Allow 10% on a plain floor and 15% on a cut-up roof or a wall with many openings.

3 · STAIRS, IF THERE ARE ANY

Total rise, floor to floor

in.

Number of risers

no.

Each riser

in.

Number of treads

no.

Tread depth

in.

Total run

in.

CODE LIMIT	US IRC	WHY IT MATTERS
Riser height, maximum	7 3/4 in.	Divide the rise by risers until it comes in under this
Tread depth, minimum	10 in.	Nosing overhang does not count toward it
Stair width, minimum	36 in.	Measured above the handrail height