



# Material Takeoff

## TH01 - measured material order

|                                              |                           |
|----------------------------------------------|---------------------------|
| COMPANY<br>Stratum Precision Works LLC       | REPORT DATE<br>2026-09-29 |
| INCLUDED SCOPE<br>Studs, Plates, and Headers |                           |

Quantities from completed takeoff groups. EA = each; LF = linear feet; SF = square feet; CY = cubic yards. Matching materials are combined by specification.

### Studs, Plates, and Headers

Measured quantities only. Order = combined LF ÷ board length, or spacer SF ÷ 32, rounded up to the next whole unit when fractional. No cutting or waste allowance is added.

| Material           | Size / specification   | Stock / piece basis | Measured  | Order qty  |
|--------------------|------------------------|---------------------|-----------|------------|
| Studs              | 2x4                    | 104 5/8 in. precut  | 126 EA    | 126 pieces |
| Studs              | 2x6                    | 104 5/8 in. precut  | 138 EA    | 138 pieces |
| Jack studs         | 2x4                    | Cut pieces          | 14 EA     | 14 pieces  |
| Jack studs         | 2x6                    | Cut pieces          | 28 EA     | 28 pieces  |
| Cripple studs      | 2x4                    | Cut pieces          | 29 EA     | 29 pieces  |
| Cripple studs      | 2x6                    | Cut pieces          | 109 EA    | 109 pieces |
| Beam bearing studs | 2x4                    | 104 5/8 in. precut  | 4 EA      | 4 pieces   |
| Beam bearing studs | 2x6                    | 104 5/8 in. precut  | 4 EA      | 4 pieces   |
| Top plates         | 2x4 / Untreated        | 16 ft               | 255.00 LF | 16 boards  |
| Top plates         | 2x6 / Untreated        | 16 ft               | 280.00 LF | 18 boards  |
| Bottom plates      | 2x4 / Pressure-treated | 16 ft               | 108.00 LF | 7 boards   |
| Bottom plates      | 2x6 / Pressure-treated | 16 ft               | 134.00 LF | 9 boards   |
| Headers            | 2x12                   | 8 ft                | 213.00 LF | 27 boards  |
| Headers            | 2x6                    | 8 ft                | 53.00 LF  | 7 boards   |
| Header spacer OSB  | 7/16 in. OSB           | 4 x 8 ft sheet      | 145.27 SF | 5 sheets   |
| Window sills       | 2x6                    | 8 ft                | 51.00 LF  | 7 boards   |

Studs combines regular, extra and king counts. Jack/cripple and short beam-support rows are cut-piece counts, with no full-stud allowance added. Bottom plates use net LF after door deductions. Whole-board quantities are measured-total conversions; a cutting layout is not included.

## Framing measurements and cut-piece references

Reference quantities only. Already represented in the order table where stock is listed; do not add these counts to the order.

| Material           | Specification / size                         | Quantity | Unit |
|--------------------|----------------------------------------------|----------|------|
| Regular studs      | 2x6 / 104 5/8 in. precut                     | 110      | EA   |
| Top plates         | 2x6 / Untreated                              | 280.00   | LF   |
| Bottom plates      | 2x6 / Pressure-treated                       | 134.00   | LF   |
| Header spacer OSB  | 7/16 in. OSB                                 | 145.27   | SF   |
| King studs         | 2x6 / 104 5/8 in. precut                     | 28       | EA   |
| Jack studs         | 2x6 / Cut pieces; length per plan            | 28       | EA   |
| Cripple studs      | 2x6 / Cut pieces; length per plan            | 109      | EA   |
| Headers            | 2x12                                         | 213.00   | LF   |
| Window sills       | 2x6                                          | 51.00    | LF   |
| Regular studs      | 2x4 / 104 5/8 in. precut                     | 112      | EA   |
| Top plates         | 2x4 / Untreated                              | 255.00   | LF   |
| Bottom plates      | 2x4 / Pressure-treated                       | 108.00   | LF   |
| King studs         | 2x4 / 104 5/8 in. precut                     | 14       | EA   |
| Jack studs         | 2x4 / Cut pieces; length per plan            | 14       | EA   |
| Cripple studs      | 2x4 / Cut pieces; length per plan            | 29       | EA   |
| Headers            | 2x6                                          | 53.00    | LF   |
| Beam bearing studs | 2x6 / 104 5/8 in. precut / support allowance | 4        | EA   |
| Beam bearing studs | 2x4 / 104 5/8 in. precut / support allowance | 4        | EA   |

## Quantity notes

- Order basis: measured quantities only. Combine matching materials, divide LF by the selected board length or spacer SF by 32, then round the final unit count up only when fractional. Exact whole counts remain unchanged. No purchase waste percentage, saw-cut loss, sheet cutting layout or per-run rounding is added. Board counts are quantity conversions, not a cutting plan.
- Studs includes the calculated regular, extra and king counts at the selected stock label. Jack studs, cripple studs, additional header jacks and short beam blocks retain their calculated cut-piece EA; they are not converted into one full stud per piece. Their stock-board quantities require cut lengths and are not inferred from display defaults.

- Top and bottom plates are separate products. Bottom plates use the measured net LF after door deductions. Header LF retains opening width + 1 ft per selected ply; window sills retain traced LF. Header spacer OSB uses net strip SF and whole 4 x 8 sheets.
- Nominal 8, 9, 10 and 12 ft stud labels use 92 5/8, 104 5/8, 116 5/8 and 140 5/8 in. precut products. Exact inch labels and labels marked Full length keep their entered lengths.
- Beam bearing studs, additional header jacks and short beam blocks have their own order rows under Studs, Plates, and Headers and appear in framing reference quantities. They retain the generated support allowance and capacity-review basis. Existing opening jacks are credited before additions are ordered.
- Regular studs are not deducted at openings. King, jack and cripple allowances are additional EA. Basic uses one king and one jack each side. Automatic upper cripples include end pieces above jacks, fitting wall-grid studs and infill where a clipped grid point leaves an end bay wider than the wall spacing. Lower window cripples follow the wall grid. Advanced numbers override the complete row and do not guarantee that spacing; blank means Automatic. Rows assume sufficient height; confirm the plan detail. Jack and cripple EA are cut pieces; stock cutting is not optimized. Header LF = (traced opening width + 1 ft) x selected header plies. Window sill LF uses traced widths; bottom plates deduct door widths.
- Header spacer OSB: 7/16 in. full-depth strips. Net SF = (opening width + 1 ft) x header depth in feet x (header plies - 1) x OSB layers per gap. Basic uses one layer per gap; Advanced can change it. None, zero layers, or fewer than two plies adds no OSB. The order table lists whole 4 x 8 sheets; the reference table retains net strip SF. Spacer sheets are separate from wall sheathing. Enter a known header depth before ordering.

## Project notes

Software test house. Ceiling support selections are test assumptions. Order quantities use measured totals and final whole-unit rounding only.

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Prepared with Takeoff Bench by Stratum Precision Works LLC. Quantity report only; pricing and unmeasured materials are not included.