

Job no.

Drawing / rev

Date

Listed by

Checked by

1. Drawings and member list

- ☐ Cutting from the latest issued revision (rev letter matches the transmittal / title block)
- ☐ Every mark listed: qty, section size, grade, length in mm, and which assembly it goes in
- ☐ Lengths are CUT lengths, not centre-line or overall (allow for base plates, cap plates, copes)
- ☐ Mitred and angled ends: long-point or short-point length stated, and the angle written down
- ☐ Hand-of-part (LH / RH) and any holes or notches noted against the mark

2. Stock on the rack

- ☐ Rack offcuts measured and tagged with section, grade, length (and heat no. if you track it)
- ☐ Stock lengths your supplier actually carries for each section confirmed (don't assume)
- ☐ Same section in different grades or finishes (black, galv, primed) kept apart
- ☐ Mill certs / heat numbers on hand if the job needs traceability

3. Nesting the cuts

- ☐ Saw kerf allowed on every cut: ____ mm (blade width, not a guess)
- ☐ End trim allowed to square the mill end: ____ mm per bar
- ☐ Minimum offcut worth keeping: ____ mm (anything shorter goes in the scrap bin)
- ☐ Longest pieces nested first, then fill the gaps with short ones
- ☐ Offcuts used before new bars are opened

4. Ordering

- ☐ Bars to buy counted from the nest, NOT total metres divided by stock length (see example)
- ☐ Spare allowance per your shop rule added once, not twice
- ☐ Total kg worked out (kg/m x metres) so you can check the delivery docket

5. Before the first cut

- ☐ Piece count per mark matches the drawing (tick each mark off as it's cut)
- ☐ Each piece marked with job no. + mark no. (paint pen or stamp) before it leaves the saw
- ☐ Saw stop / tape checked on the first piece of each length
- ☐ Usable offcuts tagged and back on the rack, cut list signed and filed with the job

Buy list

Section (e.g. 75x75x3 SHS)	Grade	Stock length (m)	Bars from nest	Total m	kg/m	Total kg

Why 'total metres / stock length' comes up short

7 pieces at 2,450 mm from 6.0 m bars, 3 mm kerf, 5 mm end trim.
Total metres: 7 x 2.45 = 17.15 m, divided by 6.0 m = 2.86, so you'd order 3 bars.
But only 2 pieces fit in each bar (6,000 - 5 trim) / (2,450 + 3 kerf) = 2.44. You actually need 4 bars.
Order from the nest, not the total: 1 bar short on a 7-piece job means a second trip to the supplier.