Your timber shopping & cut list

Alcove bookcase frame | 900 x 2400 x 300 mm (W x H x D)

YOUR FIXED SIZE / W x H x D

900 x 2400 x 300

Millimetres / inspect the actual space first

STOCK BOARDS TO BUY

10

2400 mm stock / 38x89 mm actual section

SAW-CUT PIECES

32

3 mm kerf / 4.8% calculated offcut

Label these timber members before assembly. Panels and cladding are specified separately.

ID	Timber member	Section	Qty	Finished cut length	Use / planning note
P-01	Front & Rear Base and Crown Rails	38x89mm	4	**900 mm** approx. 35.433 in	Full width; 89 mm face height; no added height beyond the stated envelope
C-01	Uprights Between Base and Crown	38x89mm	4	**2222 mm** approx. 87.480 in	Length H - 2 x 89 mm; 2 uprights in each ladder frame
S-01	Front & Rear Shelf Support Rails	38x89mm	10	**722 mm** approx. 28.425 in	Butt between uprights; 5 tiers; shelf panels planned separately
D-01	Depth Ties at Base, Shelf and Crown Levels	38x89mm	14	**224 mm** approx. 8.819 in	Butt between frames: D - 2 x 38 mm; not additional shelf panels

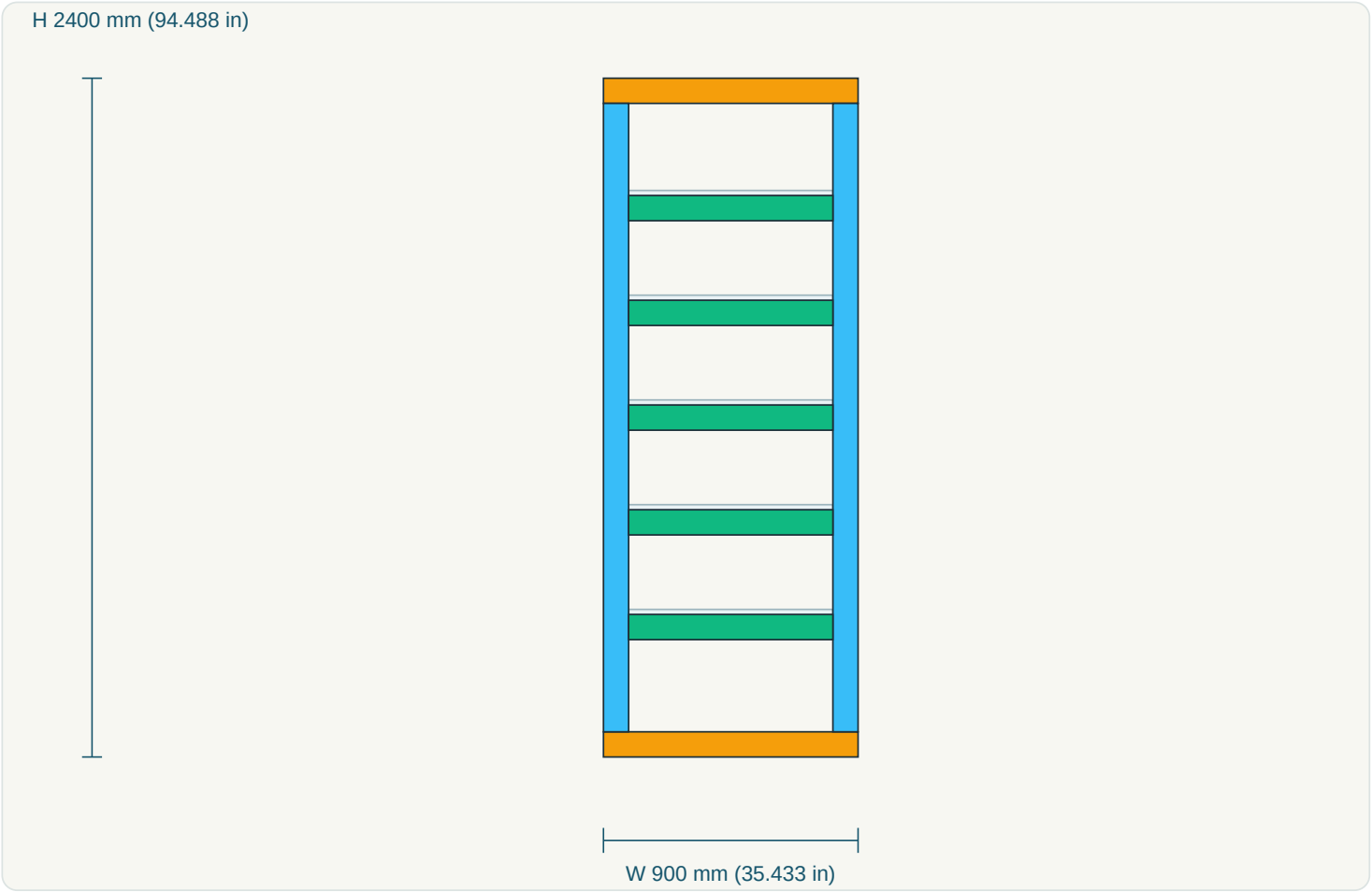
Derived lengths rounded to 0.1 mm; inch references approximate. Check actual stock and fit before cutting.

See the frame before you build

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FRONT ELEVATION

1:25 at 100% on A4



PART KEY

P-01	900 mm
C-01	2222 mm
S-01	722 mm
D-01	224 mm

DEPTH ENVELOPE

300 mm (11.811 in)

Envelope only; not a joint section.

Coloured rectangles are the projected frame. Pale shapes show context, not additional cut parts.

1000 mm print-scale check

Use A-01 IDs and C-02 lengths with the assembly sequence on D-03. Check actual product dimensions, fixing positions and manufacturer clearances before cutting.

Cut every board with a clear map

Alcove bookcase frame | 900 x 2400 x 300 mm (W x H x D)

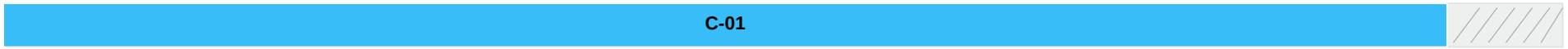
Stock 2400 mm (94.488 in). Cuts rounded to 0.1 mm; inch references approximate. Gaps allow 3 mm kerf between segments; end trimming is separate.

BOARD 01



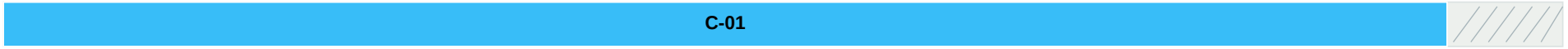
C-01: 2222 mm (87.480 in) | Offcut: 178 mm (7.008 in)

BOARD 02



C-01: 2222 mm (87.480 in) | Offcut: 178 mm (7.008 in)

BOARD 03



C-01: 2222 mm (87.480 in) | Offcut: 178 mm (7.008 in)

BOARD 04



C-01: 2222 mm (87.480 in) | Offcut: 178 mm (7.008 in)

BOARD 05



P-01: 900 mm (35.433 in) + P-01: 900 mm (35.433 in) + D-01: 224 mm (8.819 in) + D-01: 224 mm (8.819 in) | Offcut: 143 mm (5.630 in)

Build in a sensible sequence

Alcove bookcase frame | 900 x 2400 x 300 mm (W x H x D)

STEP 01

Survey the alcove: measure the width at the top, middle and bottom and use the SMALLEST; check both walls for plumb and the ceiling for level.

STEP 02

Cut every member from Sheet C-02 board by board, then write its part ID on each piece in pencil so nothing gets mixed up.

STEP 03

Build two ladder frames with P-01 base/crown rails on edge (89 mm high, 38 mm deep). C-01 uprights butt between them; their cut length already subtracts both rail heights.

STEP 04

Set the uprights at the member-placement positions to form 1 equal clear bays of 722 mm. Fit S-01 rails between uprights at the 5 listed shelf levels, on both the front and rear frames.

STEP 05

Join the ladder frames with D-01 depth ties at every upright at base, shelf and crown levels. Their ends butt against the inner faces of the frames; do not add their length to the stated depth.

STEP 06

Square the frame and specify joint fixings and wall anchoring for the actual wall, shelf spans and intended loads. The member schedule is not a load rating.

STEP 07

Plan shelf panels, backs, trim and finishing separately. The 18mm shelf panels in the preview are illustrative; no base cabinet, doors or sheet-cutting pattern is supplied.

STEP 08

Check all finished dimensions and the chosen panel/fixing detail before cutting. Retain the stated timber envelope when adding or scribing trim.