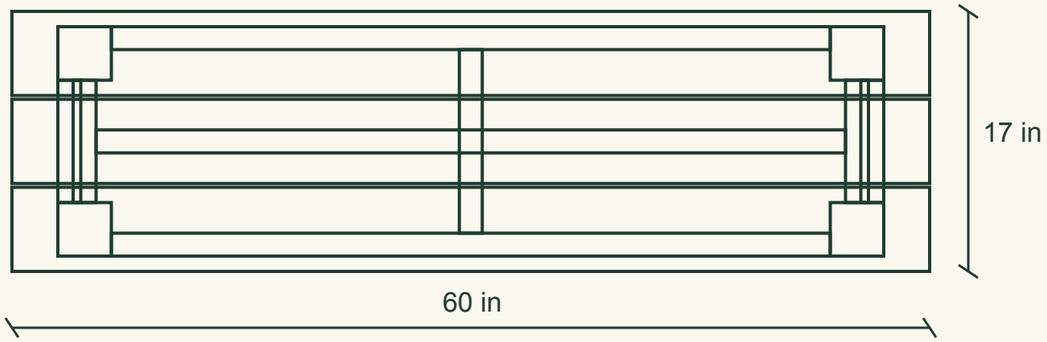
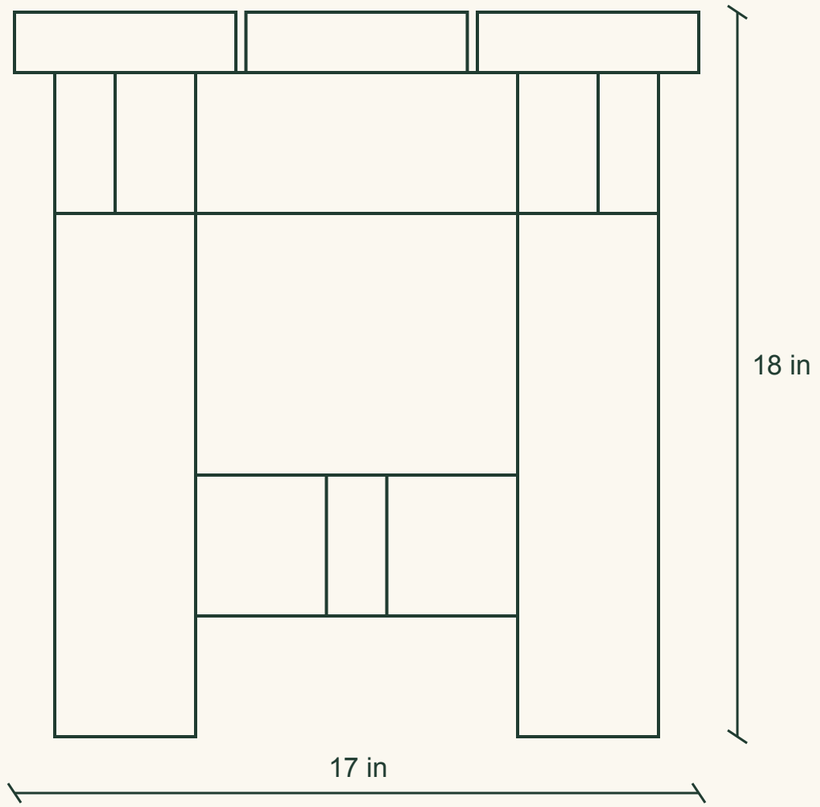
41 Build a Straight Backless Cedar Slat Garden Bench

01 / MEASURED VIEWS

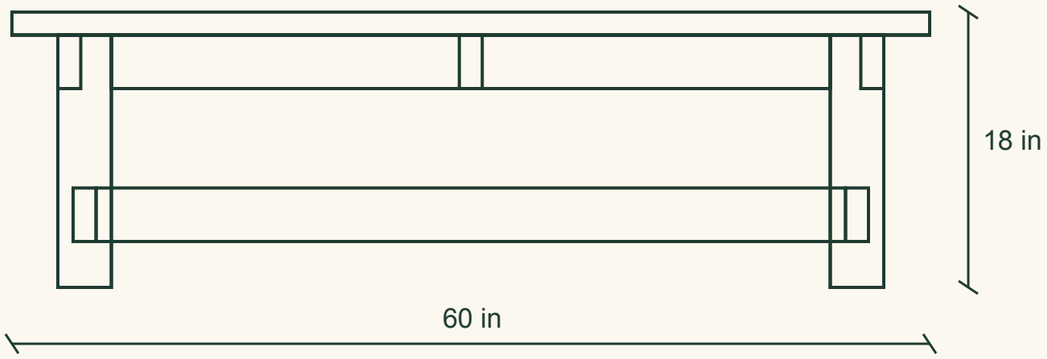
TOP



SIDE



FRONT



Origin is the left-front-bottom corner of the seat outline projected to the floor: the left end and front edge of slat S0 at floor level. X is length, Y is depth, Z is height; all dimensions are inches.

Pocket holes, screws, chamfers, round-overs and finish are not drawn. Pocket-hole positions are in step 5 and slat screw positions in step 10. Parts are drawn at their finished sizes; build to the written dimensions.

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02 / CUT LIST AND CONNECTION DETAILS

PART	QTY	FINISHED CUT / PURCHASED COMPONENT
L	4	Leg — 16.5 × 3.5 × 3.5 in
R	2	Side rail — 47 × 3.5 × 1.5 in
E	2	Top end rail — 8 × 3.5 × 1.5 in
B	2	Lower end rail — 8 × 3.5 × 1.5 in
C	1	Center seat cleat — 12 × 3.5 × 1.5 in
T	1	Lower long stretcher — 49 × 3.5 × 1.5 in
S	3	Seat slat — 60 × 5.5 × 1.5 in

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03 / CONNECTIONS AND CRITICAL FEATURES

CONNECTION SCHEDULE

Pocket screws, 2.5 in, 32 total, all holes on inside faces: R to L 2 per end (8); E to L 2 per end (8); B to L 2 per end (8); C to R 2 per end (4); T to B 2 per end (4). R holes 0.75 and 2.75 in below the top edge; E, B, C and T holes 1.25 and 2.25 in. Clamp each joint flush before driving. Slat screws, #9 × 2.5 in, 14 total, x measured from the slat left end: S0 and S2 into R at x 8.5 and 51.5, and 2 into C at x 30; S1 2 into each E at x 3.75 and 56.25, and 2 into C at x 30. Pilot and countersink every slat screw.

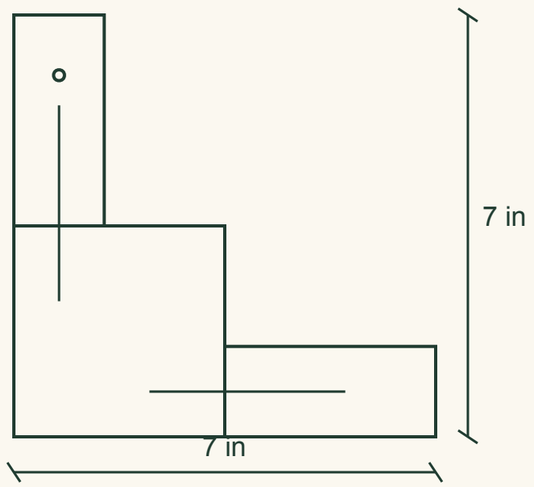
FIT AND LAYOUT CHECK

Frame outside 54 × 15 in. R (47 in) fits between the legs flush with their tops and outer faces. E (8 in) fits between the legs flush with the leg tops and the end faces. B (8 in) is centered on the leg width, 1 in in from each leg end face, at 3–6.5 in above the floor. T (49 in) fits between the B rails at 3.25 in from each B end. C (12 in) fits between the R rails at mid-length. Slats overhang the leg outer faces 3 in at each end and 1 in at each side, with two 0.25 in gaps.

LIMITS

No load rating is assigned and no capacity has been tested. Use as a garden seat only. Do not stand, climb, kneel on a slat end or use the bench as a step, table for heavy items or support. The design has not been engineered or load-tested for occupant number and size, slat spans, the pocket-screw joints, racking, edge and end sitting, tipping or uneven support.

FEATURE CHECK BEFORE ASSEMBLY

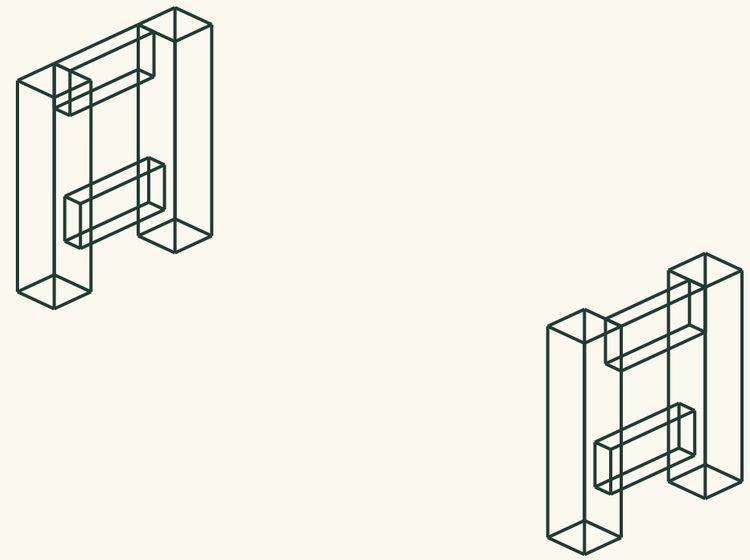


Plan view of the front-left leg top, 3.5 × 3.5 in, with the side rail R and top end rail E meeting it. The lines show the approximate pocket-screw paths, which do not cross. The circle marks one S1 slat screw centered on E. Confirm the actual screw path and tip position with a scrap test on the real parts before drilling the frame.

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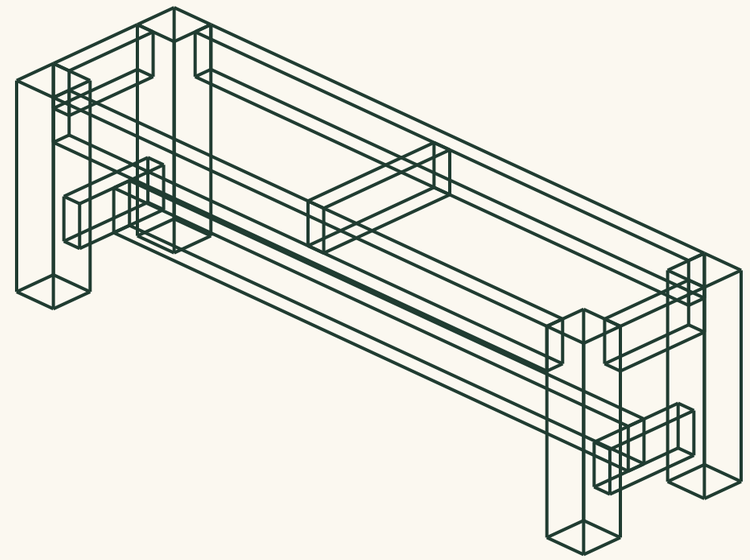
04 / ASSEMBLY STUDIES

STEP 6 / TWO END FRAMES



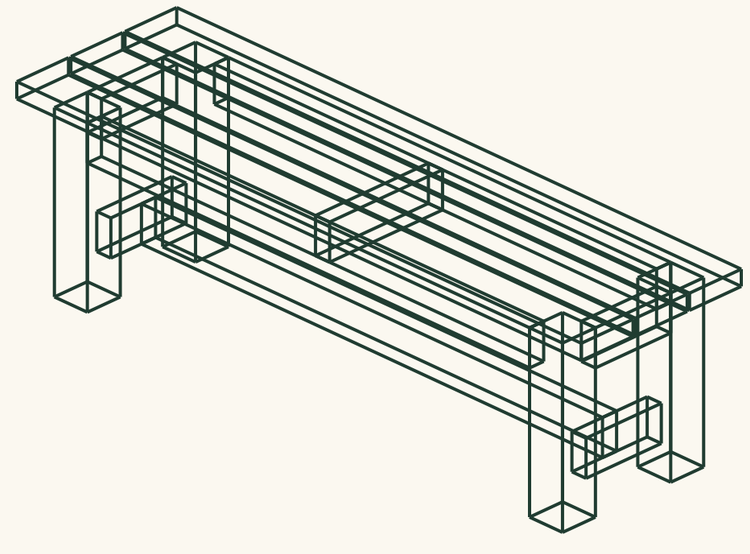
Each end pairs two legs with a top end rail and a centered lower end rail.

STEP 8 / BRACED BASE



Side rails, center cleat and lower stretcher complete the square, braced base.

STEP 10 / SEAT SLATS FITTED



Three slats overhang the legs 3 in at each end and 1 in at each side.

Original schematic studies show part relationships, not an operator or a photographed build. Use the numbered instructions for workholding, fastening and inspection.