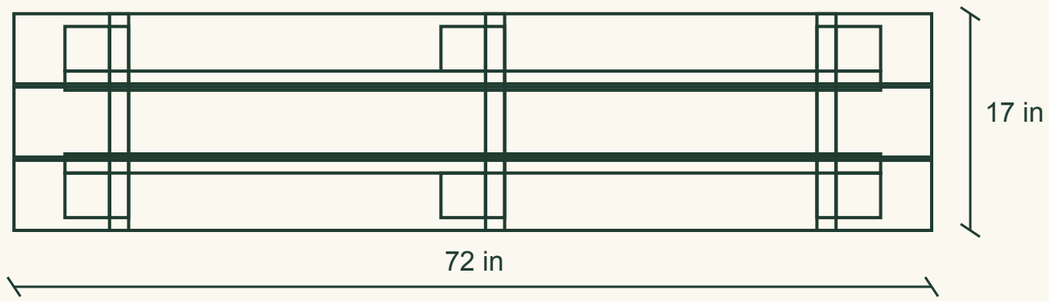
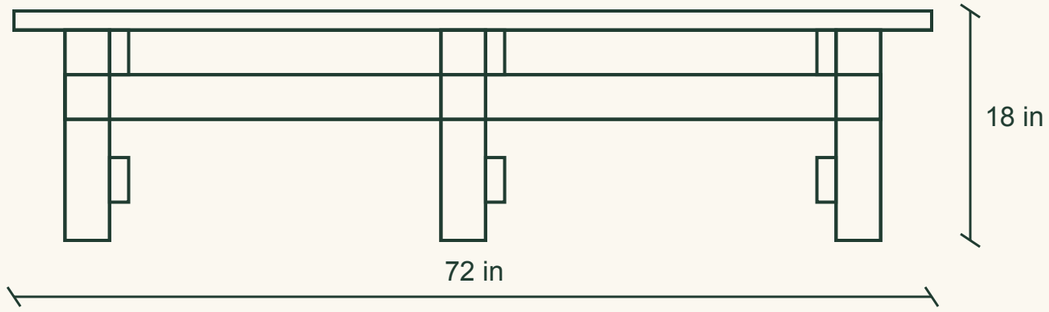
44 Build a Long Garden Bench With a Fitted Center Support

01 / MEASURED VIEWS

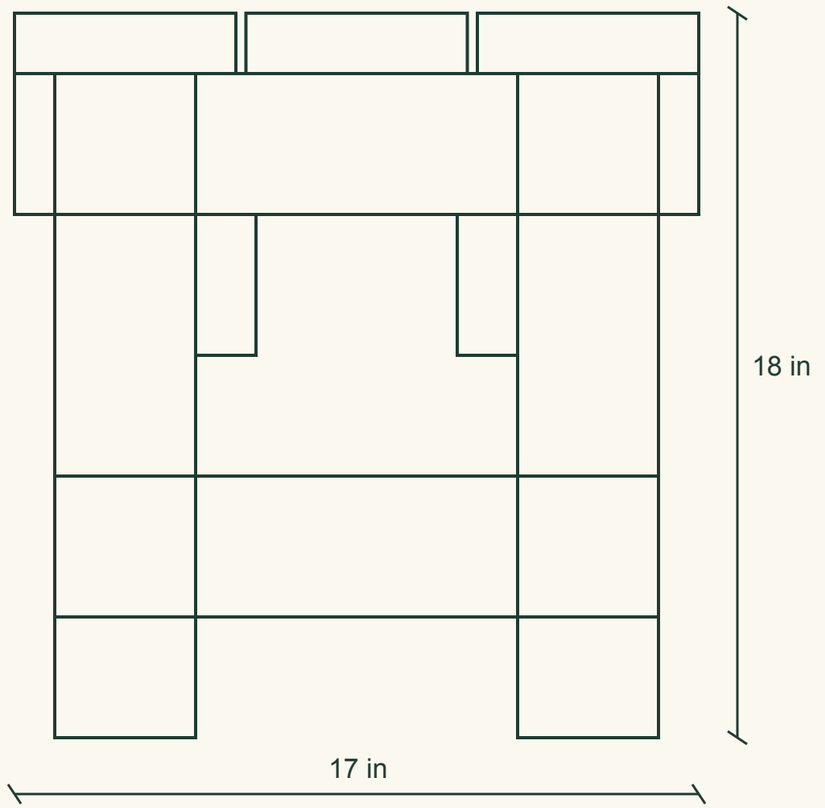
TOP



FRONT



SIDE



Origin is the front-left-bottom corner of the seat envelope on the support surface. X is length from the left slat end, Y is depth from the front slat edge, Z is height from the surface. All dimensions are inches.

Screws, pilots, countersinks, edge round-overs and finish are not modeled. The support surface is drawn perfectly flat; in practice the center legs are fitted to the real surface. The drawing shows geometry only and does not represent a reviewed structure.

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02 / CUT LIST AND CONNECTION DETAILS

PART	QTY	FINISHED CUT / PURCHASED COMPONENT
L	6	Leg — 16.5 × 3.5 × 3.5 in
C	3	Station cleat — 17 × 3.5 × 1.5 in
T	3	Station tie — 15 × 3.5 × 1.5 in
R	2	Long rail — 64 × 3.5 × 1.5 in
S	3	Seat slat — 72 × 5.5 × 1.5 in

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03 / CONNECTIONS AND CRITICAL FEATURES

CONNECTION SCHEDULE

All 54 joints use #10 × 3 in Type 316 stainless wood screws, clearance-drilled through the outer part and piloted into the receiving part per the product. C to legs: 4 per C from the inboard face, at 2.75 and 14.25 in from the front end, 1 and 2.5 in above the C bottom (12). T to legs: 4 per T at 1.75 and 13.25 in from the front end, same heights (12). R to legs: from the R inside face at 1.75, 31.25 and 62.25 in from the left end, 1 and 2.5 in above the R bottom (12). S to C: 2 per S per station at 1.25 and 4.25 in from the S front edge, at 8.25, 37.75 and 63.75 in from the S left end (18). Clamp each joint flush before driving.

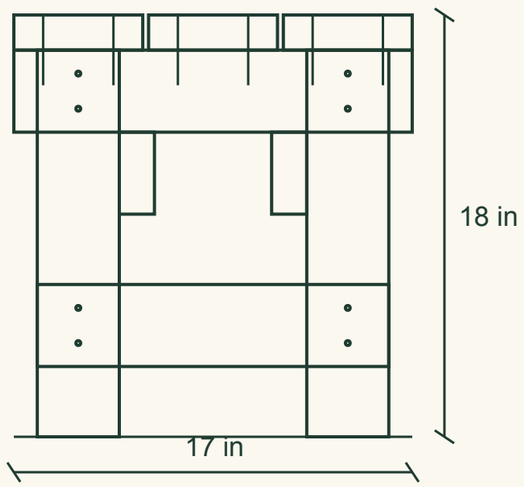
FIT AND LAYOUT CHECK

Legs stand 64 × 15 in outside. Each station is a 5 in bearing block (3.5 leg + 1.5 C); clear slat spans are 24.5 in each side of center. R top edges touch C bottoms at 13 in. S ends overhang leg faces 4 in; S edges overhang legs 1 in. Seat 72 × 17 in with 0.25 in gaps; height 18 in.

LIMITS

No load rating or seating capacity is assigned. Slat span, racking along the length, edge and end sitting, and overturning are unreviewed. Do not stand on the bench, sit alone on an end overhang, or use it on soil, lawn or a raised deck. Refit the center legs if the bench is moved.

FEATURE CHECK BEFORE ASSEMBLY

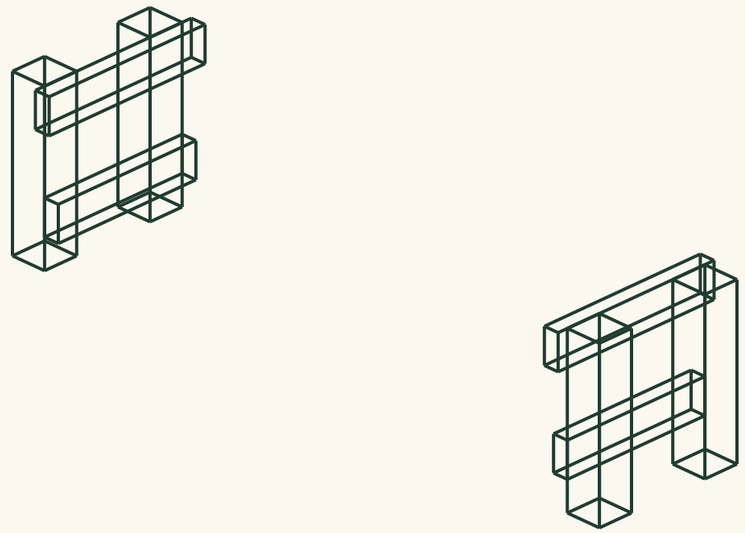


Center station seen from the right, 17 in wide by 18 in tall. It shows legs L2 and L3, cleat C1 at 13 to 16.5 in, tie T1 at 3 to 6.5 in, and rail sections R0 and R1 tight under the cleat. Circles mark the C1 and T1 screw centers into the legs. Vertical lines mark the six slat screw axes into the C1 top edge, which leave 0.75 in of wood on each side of the screw. Confirm with the selected screw's instructions that this edge distance and the 1.25 in end distance are acceptable, and confirm by review that the 24.5 in slat spans suit the intended users.

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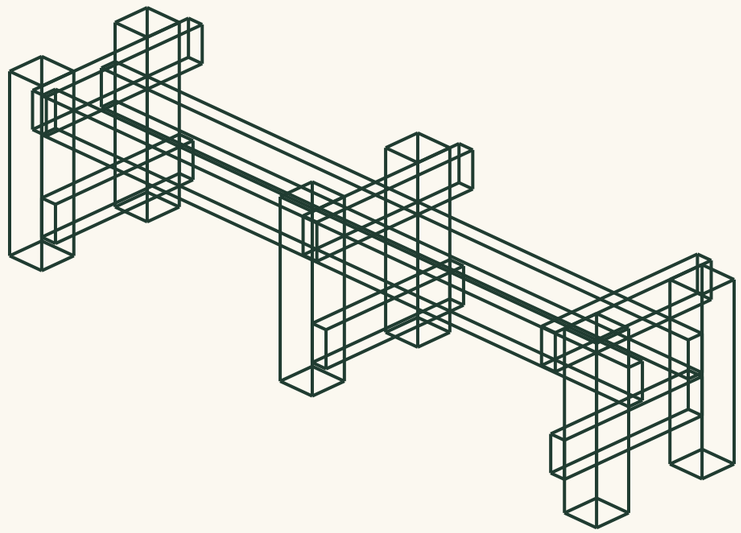
04 / ASSEMBLY STUDIES

STEP 7 / TWO END FRAMES



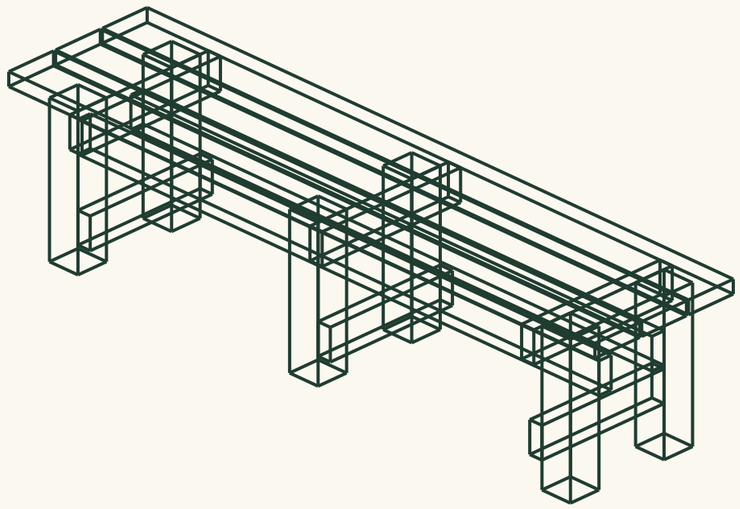
Each end frame pairs two legs with a cleat at the top and a tie near the ground.

STEP 11 / CENTER STATION FITTED



The center legs are clamped to the rails with their feet on the surface before any screw is driven.

STEP 14 / SEAT FASTENED



Three slats are screwed into the three cleat top edges with 0.25 in gaps.

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