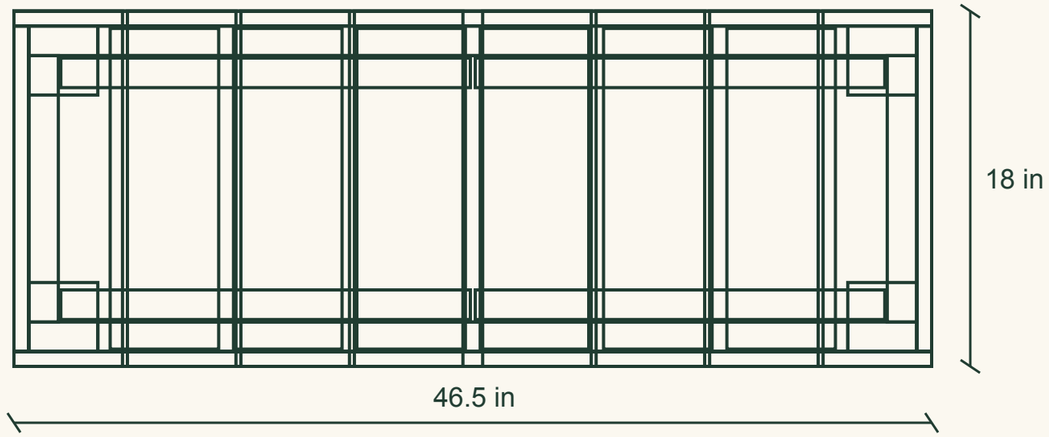
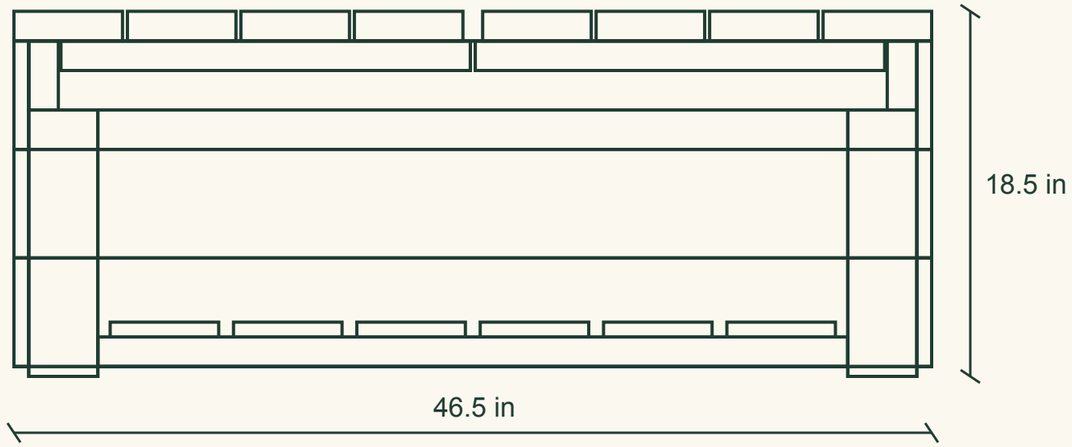
48 Build a Cedar Storage Bench with Lift-Off Seat Panels

01 / MEASURED VIEWS

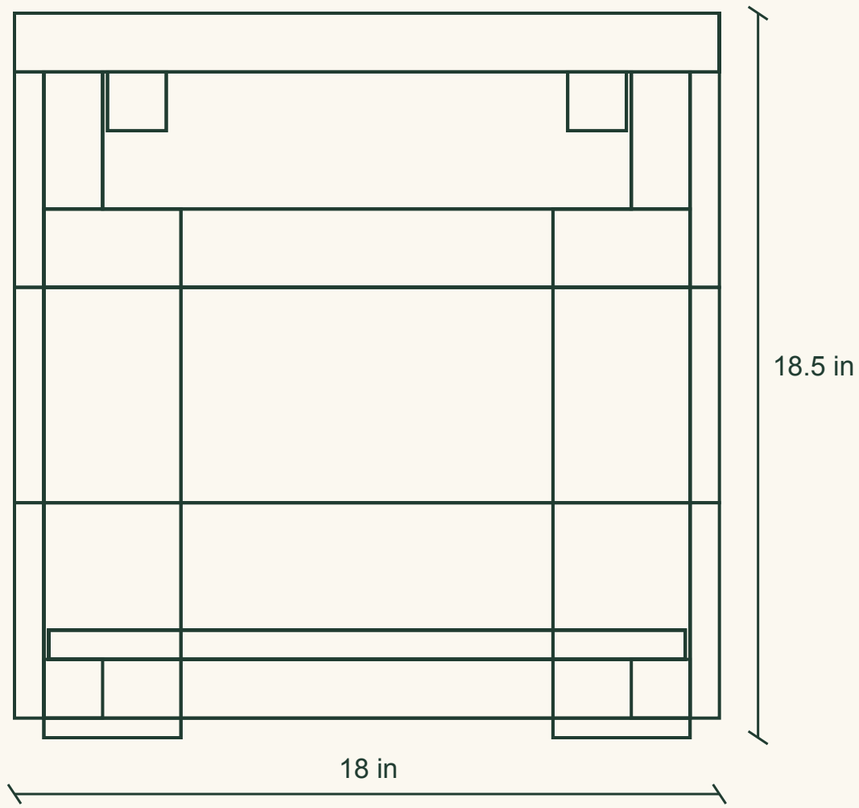
TOP



FRONT



SIDE



Origin is the front-left-bottom corner: x = 0 at the outside face of the left end boards, y = 0 at the outside face of the front boards, z = 0 at the post bottoms. X is width, Y is depth and Z is height. All dimensions are inches.

Screws, countersinks, finish and spacers are not drawn. Wall boards are shown tight-edged without holes. The panels are drawn seated in place, and the 1 in center gap is the lifting slot. The model does not show any load capacity.

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02 / CUT LIST AND CONNECTION DETAILS

PART	QTY	FINISHED CUT / PURCHASED COMPONENT
P	4	Corner post — 13.5 × 3.5 × 3.5 in
F	6	Front and back wall board — 46.5 × 5.5 × 0.75 in
E	6	End wall board — 16.5 × 5.5 × 0.75 in
R	2	Front and back top rail — 45 × 3.5 × 1.5 in
N	2	End top rail — 13.5 × 3.5 × 1.5 in
C	2	Floor cleat — 38 × 1.5 × 1.5 in
B	6	Floor slat — 16.25 × 5.5 × 0.75 in
S	8	Seat board — 18 × 5.5 × 1.5 in
K	4	Seat panel batten — 20.75 × 1.5 × 1.5 in

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03 / CONNECTIONS AND CRITICAL FEATURES

CONNECTION SCHEDULE

All screws are stainless, driven through countersunk clearance holes with pilots into the receiving part. Walls use 78 #9 × 2 in screws, measured from the left end and bottom edge of the outside face. Bottom F: x 2.5/44 at 1.25/4.25 into P; x 10.75/23.25/35.75 at 0.75 into C. Middle F: x 2.5/44 at 1.25/4.25 into P. Top F: x 2.5/44 at 1.25 into P; x 2.5/12.75/23.25/33.75/44 at 2.75/4.75 into R. Lower E: x 1.75/14.75 at 1.75/3.75 into P. Top E: x 1.75/14.75 at 0.75 into P; x 4/8.25/12.5 at 2.75/4.75 into N. Floor uses 24 #8 × 1.5 in screws: each B at 0.625 from both ends and 1.25/4.25 from its left edge, into C. Seat uses 32 #9 × 2.5 in screws, driven up through each K at 1/2.5/5.125/7.125/10.875/12.875/16.625/18.625 from its outer end into S. R and N bear on the post tops; clamp them there while the wall screws are driven.

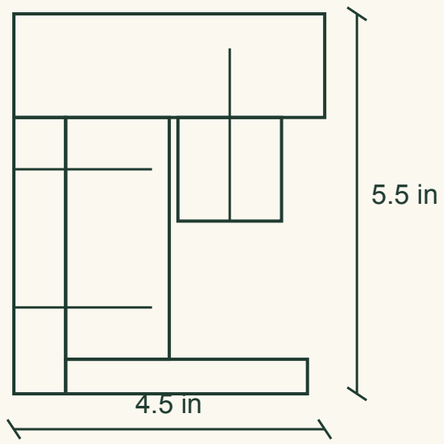
FIT AND LAYOUT CHECK

Outside 46.5 × 18 in; seat top 18.5 in. Wall boards stop 0.5 in above the post bottoms. Lift opening 42 × 13.5 in inside N and R. K clears R and N by 0.125 in. Center gap between panels 1 in, held between 0.75 and 1.25 in by the batten ends. Floor gaps 0.75 in; B stops 0.125 in short of each wall.

LIMITS

No load rating is assigned. Seated use waits on a technical review of the 38-in rail span, the screwed wall joints and racking. Never stand on it or use it as a step. It is not a toy box: never latch, lock or weight the panels, and keep children out of the box.

FEATURE CHECK BEFORE ASSEMBLY

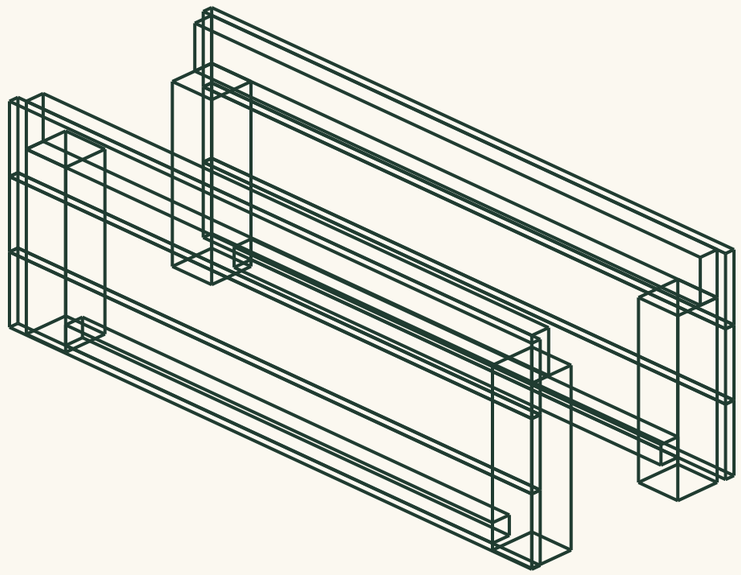


Section at x 3 in, viewed from the left, with the origin at y 0, z 13. It shows F2, rail R0 bearing on the top of post P0, batten K0 hanging 0.125 in clear of R0, and seat board S0 resting on F2 and R0. The horizontal lines are the 2 in wall screw paths at 2.75 and 4.75 in above the F2 bottom edge. The vertical line is a schematic 2.5 in batten screw path. On the real parts, confirm that the wall screws stop short of the R inner face, that the batten screws stop below the seat face, and that the clearance holds after finishing.

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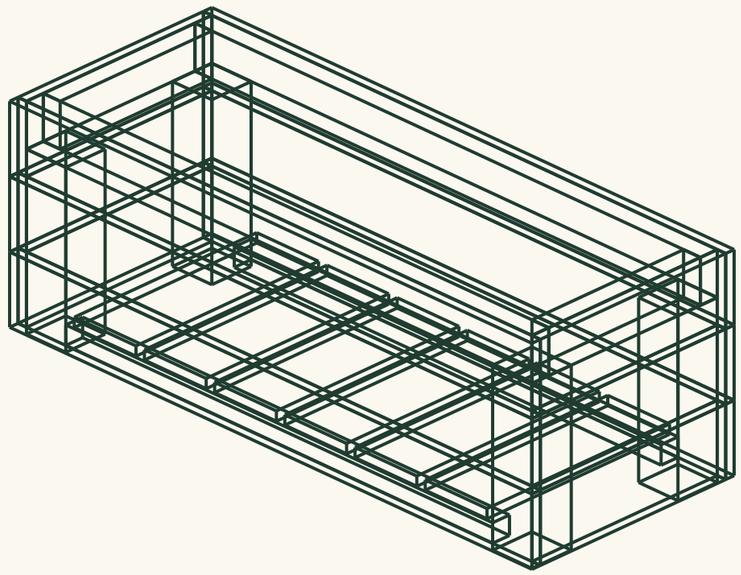
04 / ASSEMBLY STUDIES

STEP 6 / FRONT AND BACK WALLS



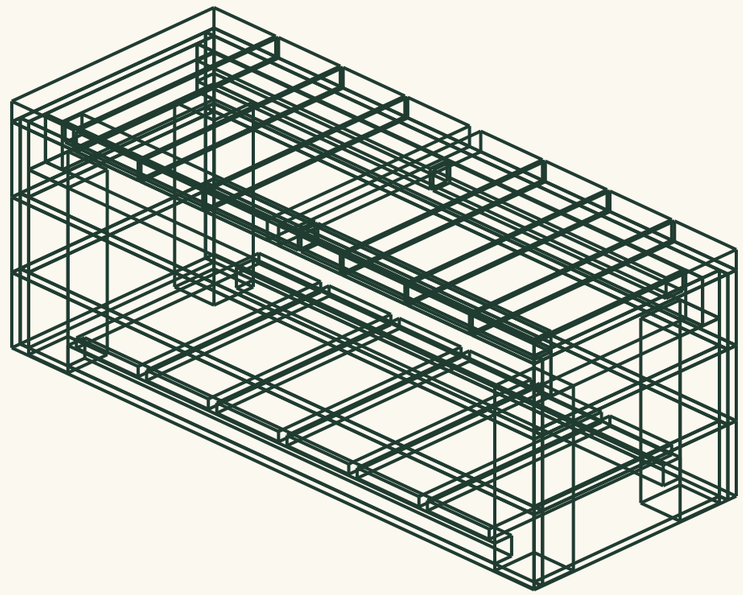
Each long wall carries its rail on the post tops and its cleat at the floor line.

STEP 8 / CLOSED BOX AND FLOOR



End walls and end rails close the box, and spaced slats form the draining floor.

STEP 11 / LIFT-OFF SEAT IN PLACE



Two seat panels rest on the rails, located by battens inside the opening.

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