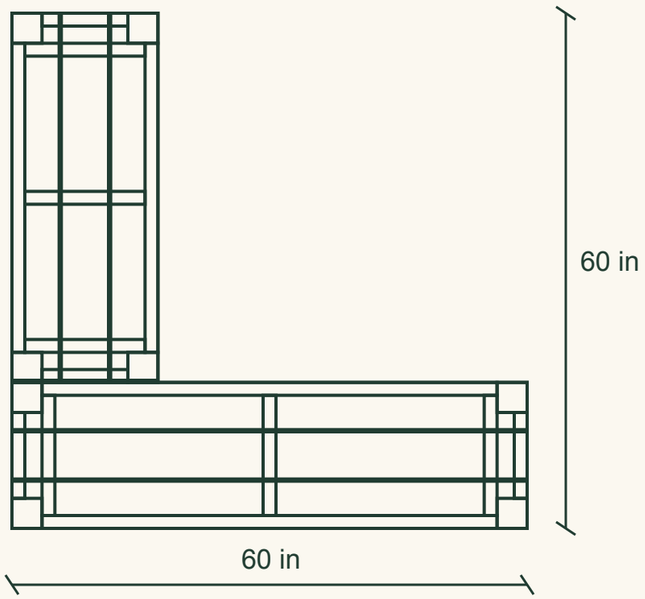
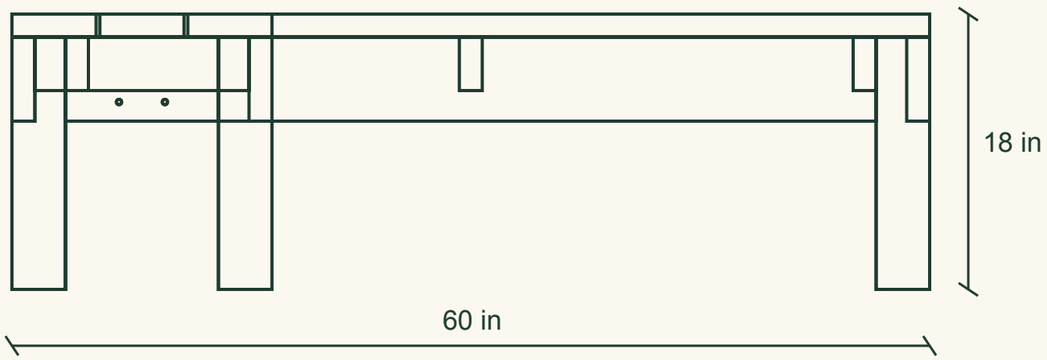
45 Build an L-Shaped Corner Garden Bench from Two Bolted Runs

01 / MEASURED VIEWS

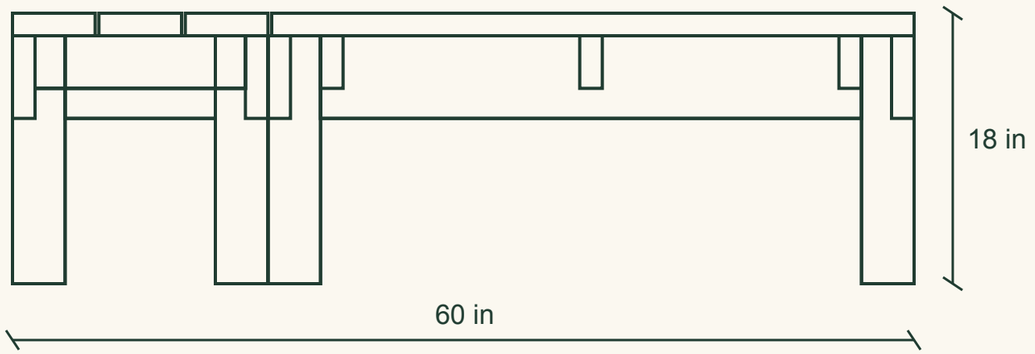
TOP



FRONT



SIDE



Origin is the outside corner of the L at ground level, at the outer faces of legs LA0 and LB0. X is width along run A, Y is depth from the run A front toward the back end of run B, and Z is height. All dimensions are inches.

Pocket holes, screws, washers and nuts are not modeled in 3D. Their positions are in the face patterns and the corner detail. The two corner bolt holes are modeled in RA1 and EB0. Edge round-overs and leg chamfers are omitted. The drawing is not a load or stability approval.

45 Build an L-Shaped Corner Garden Bench from Two Bolted Runs

02 / CUT LIST AND CONNECTION DETAILS

PART	QTY	FINISHED CUT / PURCHASED COMPONENT
L	8	Leg — 16.5 × 3.5 × 3.5 in
RL	2	Long side apron (run A) — 53 × 5.5 × 1.5 in
RS	2	Short side apron (run B) — 36 × 5.5 × 1.5 in
E	4	End apron — 10 × 5.5 × 1.5 in
C	6	Slat cleat — 14 × 3.5 × 1.5 in
SL	3	Long seat slat (run A) — 60 × 5.5 × 1.5 in
SS	3	Short seat slat (run B) — 42.75 × 5.5 × 1.5 in

45 Build an L-Shaped Corner Garden Bench from Two Bolted Runs

03 / CONNECTIONS AND CRITICAL FEATURES

CONNECTION SCHEDULE

Pocket screws, 2.5 in, 56 total. Holes go in inside faces and joints are clamped flush. Each RL and RS end takes 2 into a leg (16). Each E end takes 2 into a leg (16). Each C end takes 2 into a side apron (24). Slats take 36 #10 × 3 in screws, 2 per slat over each C centerline. Corner: 2 hex bolts 5/16 × 4 in with 4 washers and 2 lock nuts pass through EB0 and RA1, 3.5 and 6.5 in from the corner ends and 1.25 in above the apron bottoms. Drill both aprons together before framing, clamped with corner ends and bottom edges flush. No glue at the corner.

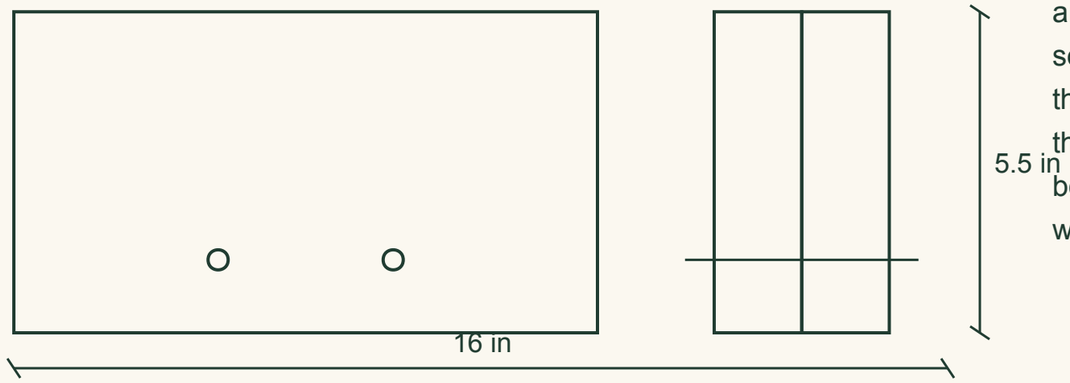
FIT AND LAYOUT CHECK

Legs are flush with the apron outer faces. Run A frame is 60 × 17 in and run B frame is 43 × 17 in. Run B butts on run A at Y 17, giving a 60 × 60 in L. Aprons sit at Z 11–16.5 and cleats at Z 13–16.5. Slats sit at Z 16.5–18 with 0.25 in gaps. Run B slats start 0.25 in behind the run A seat edge. Bolt grip is 3.0 in.

LIMITS

No load rating is assigned and no seating capacity is stated. Seat only on the slats within the frames. Never stand or climb on the bench, or sit on it while a run rocks. Each run stands alone, and the bolts align the runs; they are not rated connectors. Occupant, racking, tipping, slat-span and uneven-support review is open, and seating use waits for that record.

FEATURE CHECK BEFORE ASSEMBLY

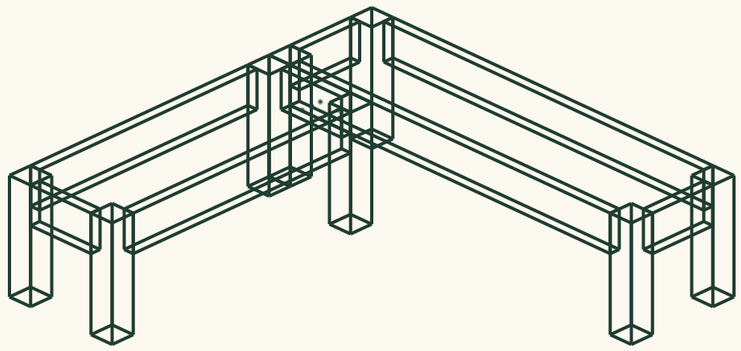


The left view is the EB0 inner face, 10 × 5.5 in, measured from its corner end at LB0 and its bottom edge. The holes are 3.5 and 6.5 in along and 1.25 in up, drawn at the 11/32 in clearance size. The right view is a section through RA1 (left layer) and EB0 (right layer): 3.0 in grip, with the bolt axis 1.25 in above the apron bottoms. On the real parts, confirm that the pocket recesses keep 0.5 in from each washer. Also confirm the bolt edge distance and the nut access below CB0. A reviewer must decide whether the corner needs further restraint.

45 Build an L-Shaped Corner Garden Bench from Two Bolted Runs

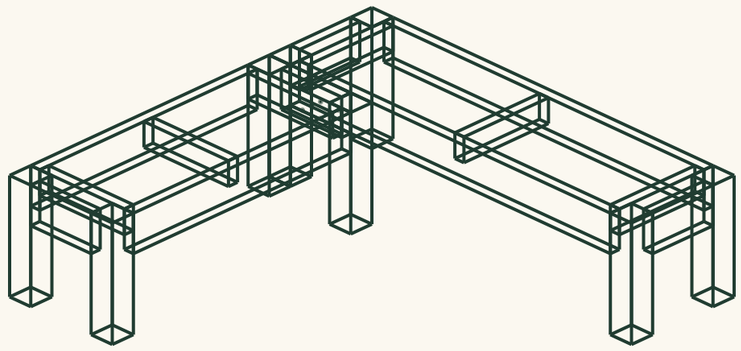
04 / ASSEMBLY STUDIES

STEP 9 / TWO SQUARE FRAMES



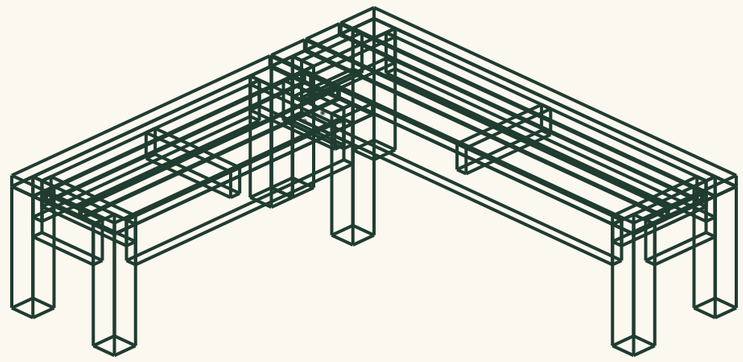
Each run stands as its own four-legged frame before any corner joint exists.

STEP 10 / SLAT CLEATS



Three cleats per run carry the slat screws, set inside the legs and at mid-length.

STEP 13 / BOLTED CORNER



Two bolts through EB0 and RA1 hold the finished runs in line at the corner.

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