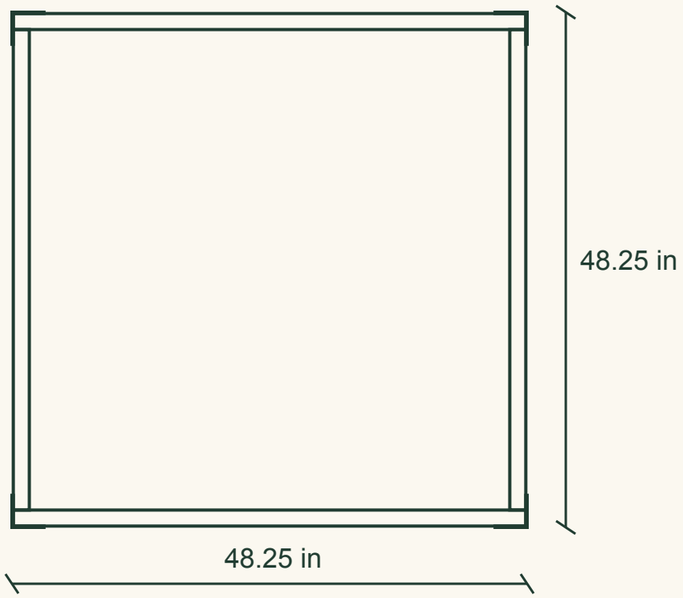
30 Build a Low Raised Bed with Replaceable Panels

01 / MEASURED VIEWS

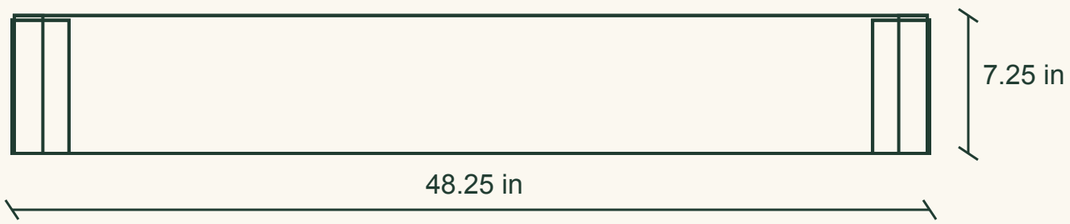
TOP



FRONT

SIDE





Origin is the front-left-bottom outside corner. X is width, Y is depth, Z is height; all written dimensions are inches.

The wood panels are measured. Purchased angles appear only as reference outlines; the 3D view omits them, bolts and nuts. The separate corner detail specifies the four hole heights and columns. The fabricator checks the actual bend and drilling fit. Do not trace the drawings.

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02 / CUT LIST AND CONNECTION DETAILS

PART	QTY	FINISHED CUT / PURCHASED COMPONENT
L	2	Through side panel — 48 × 7.25 × 1.5 in
E	2	Between-side end panel — 45 × 7.25 × 1.5 in
A	4	Exterior corner angle — Four bought angles:7 in high, 3 × 3-in outside legs, 0.125-in stock; bend shape is fabricator-specified

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03 / CONNECTIONS AND CRITICAL FEATURES

CONNECTION SCHEDULE

Four angles × two faces × two bolts=16 bolts, 32 washers, 16 locknuts. Long-face heights 1.5/5.75; perpendicular face 2.25/5. All hole columns 2.25 in from the outside bend corner.9/32-in clearance for 1/4-in shanks.2.25 −1.5 wood −0.125 steel −0.125 washers=0.5 in for a nut at most 0.375 high plus thread. Verify actual locking engagement and cover exposed ends.

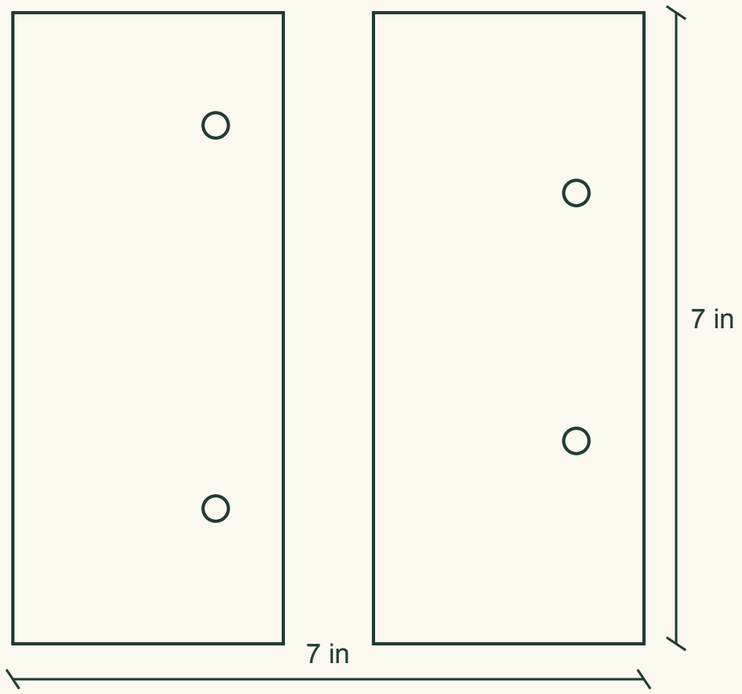
FIT AND LAYOUT CHECK

Wood outside is 48 × 48 in; angle thickness makes the maximum envelope about 48.25 square. Ends are 45 in. All panels sit on ground. Mock up the fabricated angle first; bolt projection and access must match the real hardware.

LIMITS

No tested load rating is assigned. Use only for the stated garden task; never stand, sit or climb on this object.

FEATURE CHECK BEFORE ASSEMBLY

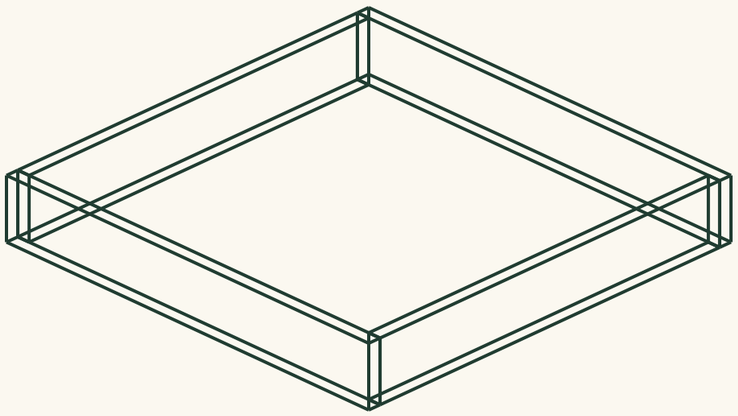


Two separate exterior face views, not an unfolded blank: long-wall face left and end-wall face right. Each face is3 ×7 inches; its left edge represents the outside bend corner. Hole columns are2.25 inches from that edge. Left heights1.5/5.75; right2.25/5; hole diameter9/32. The fabricator checks bend fit on clamped wall offcuts.

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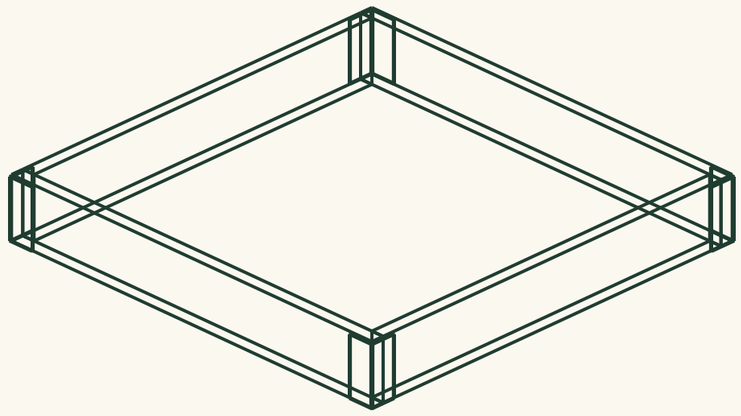
04 / ASSEMBLY STUDIES

STEP 3 / MATCH THE FOUR PANELS



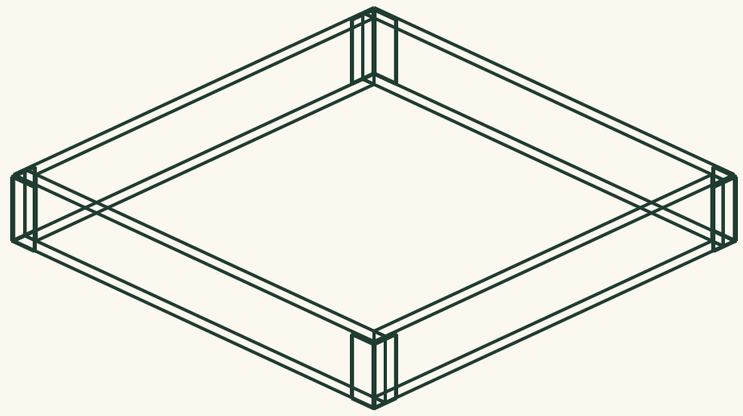
Ends fit between the long panels; do not cut four equal 48-inch boards.

STEP 7 / FIT EXTERNAL ANGLES



Stagger perpendicular holes; fit one washer on each side of every bolt.

STEP 9 / INSPECT BEFORE FILL



All panels are ground supported. Fill is not shown and is limited to 6.25 inches.

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