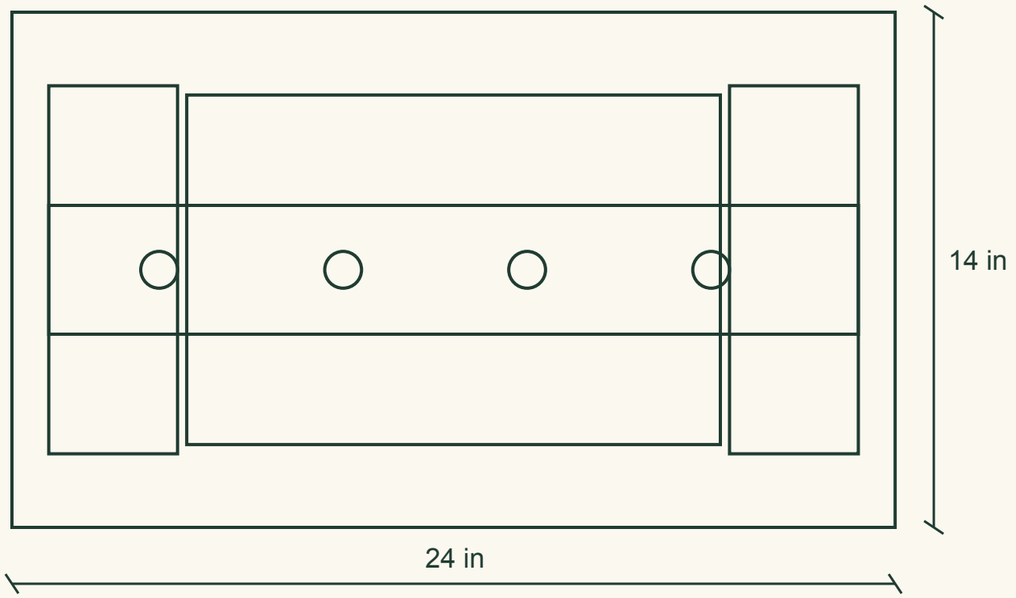
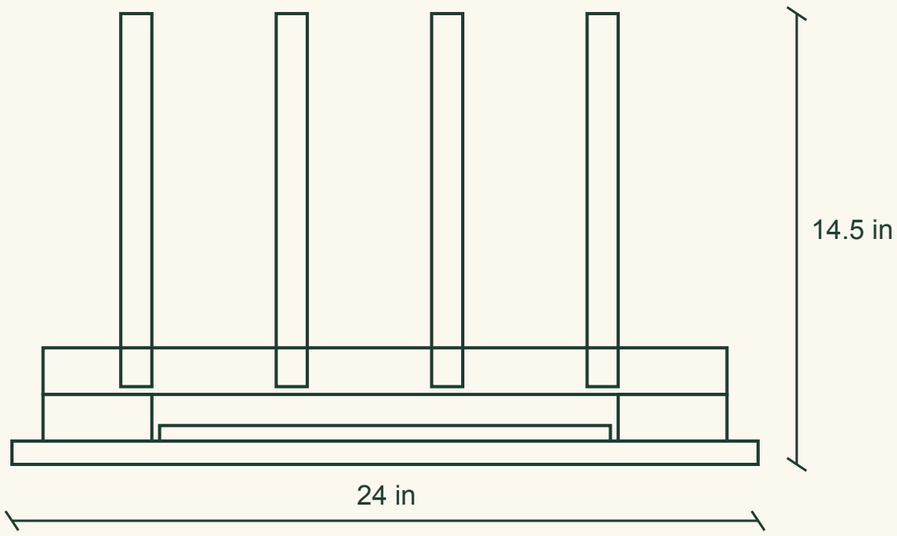
86 Build a Passive Boot-Drying Rack

01 / MEASURED VIEWS

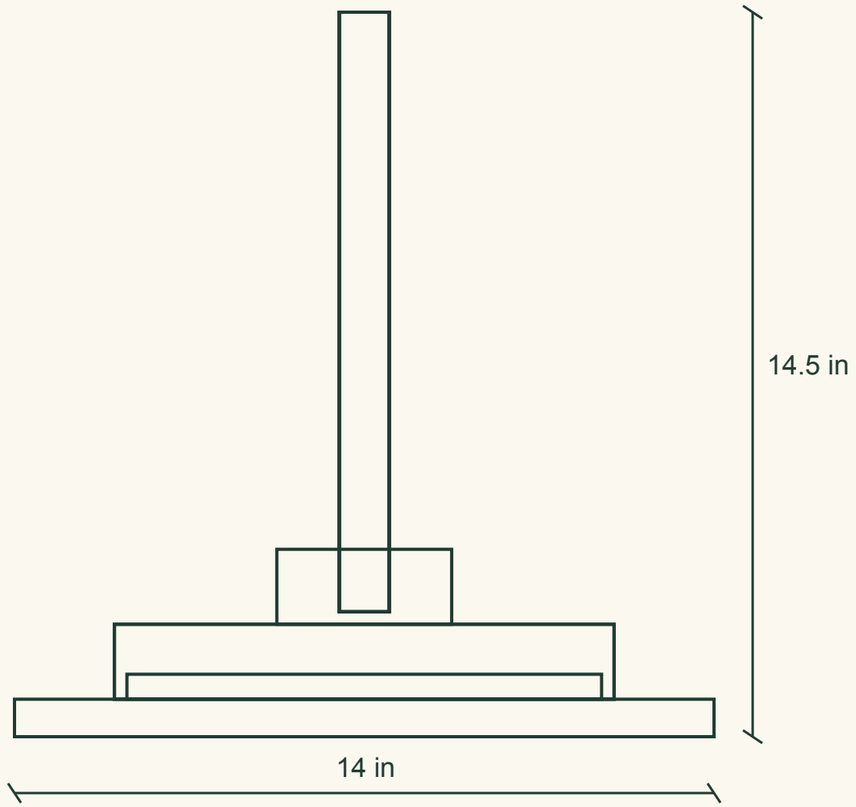
TOP



FRONT



SIDE



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

Measured wood and round pegs are shown. Blind bores are concealed by the seated pegs; their diameter, flat-bottom depth and center-tip limit are in steps 5–6. The bought tray is a reference outline. Screws and adhesive are omitted; do not trace the sheets.

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02 / CUT LIST AND CONNECTION DETAILS

PART	QTY	FINISHED CUT / PURCHASED COMPONENT
B	1	Base — 24 × 14 × 0.75 in
R	1	Peg bearer — 22 × 3.5 × 1.5 in
F	2	Bearer foot — 10 × 3.5 × 1.5 in
P	4	Boot peg — 12 × 1 × 1 in
T	1	Drip tray — Reference 14.5 × 9.5 × 0.5 in

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03 / CONNECTIONS AND CRITICAL FEATURES

CONNECTION SCHEDULE

8 base #8 × 1.75 screws through 0.75 in give 1-in bite. 4 bearer #8 × 2.5 through 1.5 in give 1-in bite. 4 peg #6 × 2 enter from bearer front: 1.25 in of bearer then 0.75 in in the peg. Centers x 4/9/14/19, height 3.125 from base underside. See steps 3/4 for base and bearer holes. Flat-bottom bores Ø1 × 1.25 deep; center tip must leave at least 0.125 in of wood. Total 16 screws.

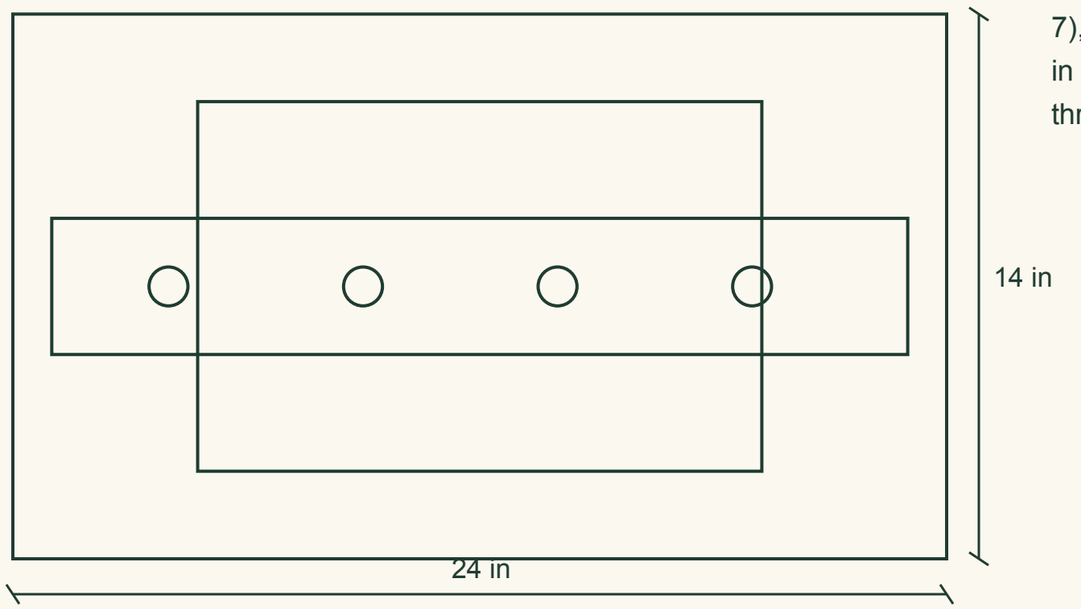
FIT AND LAYOUT CHECK

Base 24 × 14; feet occupy x 1–4.5 and 19.5–23, y 2–12. Tray 14.5 × 9.5 × 0.5 leaves 0.25 in each side in the 15 × 10 bay. Bearer top 3.75; dowels project 10.75 above it, total 14.5 high. Test actual dowel fit; do not force it. Peg-retainer tips stay 0.25 in inside the far peg surface.

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

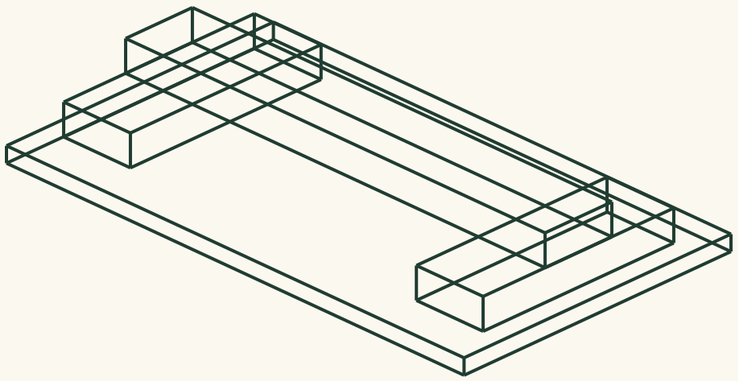


Peg centers from the base left/front starting edge: (4, 7), (9, 7), (14, 7), (19, 7) in. Bore diameter follows the actual 1-in dowel; depth 1.25 in leaves 0.25 in beneath. The small tray fits between the feet, not through them. Fit each peg to its numbered bore and retain as specified.

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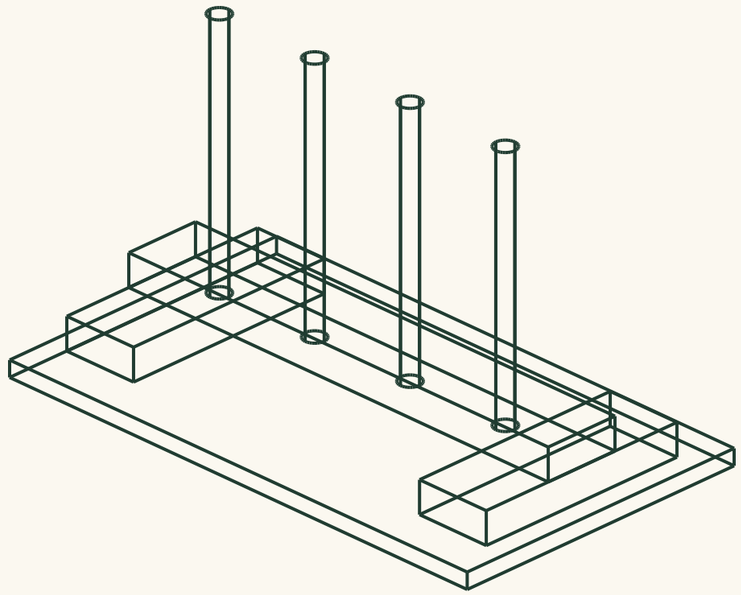
04 / ASSEMBLY STUDIES

STEP 4 / BUILD THE LOW BASE



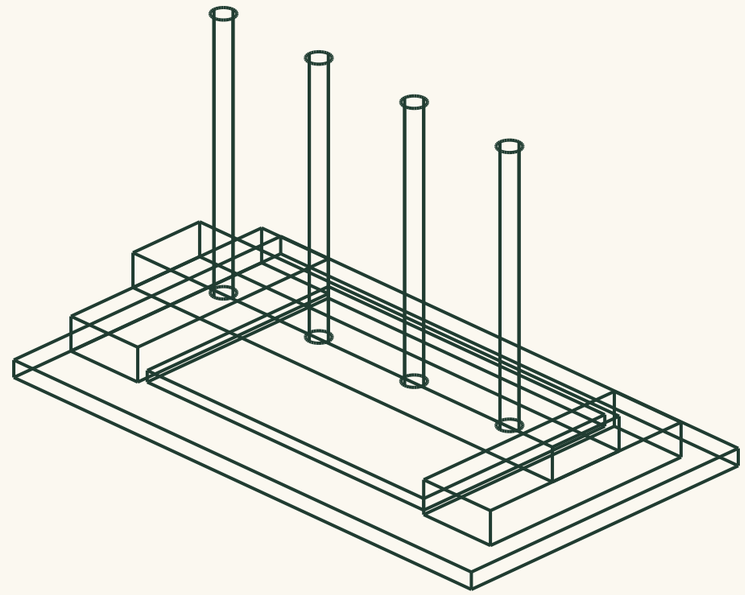
Keep all bearer fixings away from future dowel bores.

STEP 8 / FIT FOUR RETAINED PEGS



Flat-bottom bores stop 1.25 inches below the bearer top; center-tip depth is checked separately.

STEP 9 / ADD A REMOVABLE TRAY



Only empty boots; no heat or electrical additions.

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