GA-025 Wall-mounted garden hose cradle

Support broad hose loops on a rounded wood cradle without concentrating them on a single nail.

Controlling dimensions: US inches and feet. Metric equivalents are references. Original editorial design; no physical build, animal trial or load certification is claimed.

Before marking and cutting

Measure the stated stock sections before cutting. Use the cut-list geometry, not scale measurements from the drawing.

US inch dimensions control; millimeter values are rounded conversions. Ordinary cut target ±1/16 in (1.6 mm); fit commercial accessories before boring attachment holes.

Use limits

Original bounded garden component, not an occupied structure.

No human standing, sitting, climbing, lifting or fall protection use. No stated safe working load.

Geometry and fastener quantities are editorially checked; no prototype build, wind test or crop trial is claimed.

Materials and finished cuts

Part	Qty	Size to cut	Material and detail
P01 Backboard	1	16 × 16 × 3/4 in 406.4 × 406.4 × 19.05 mm	measured 3/4 in plywood exterior-bond plywood for protected non-food-contact fixtures
P02 Side arms	2	8 × 3 1/2 × 1 1/2 in 203.2 × 88.9 × 38.1 mm	2 × 4 in board sound untreated wood
P03 Top bridge	1	13 1/2 × 3 1/2 × 3/4 in 342.9 × 88.9 × 19.05 mm	1 × 4 in board sound untreated cedar or other durable untreated wood
P04 Front stop	1	16 × 2 1/2 × 3/4 in 406.4 × 63.5 × 19.05 mm	1 × 3 in board sound untreated cedar or other durable untreated wood

Hardware and consumables

8 #9 × 3 in exterior screws for arms, 4 each through backboard

8 #8 × 1-1/2 in screws for bridge, 4 per arm

4 #8 × 1-1/2 in screws for front stop

Wall fixings selected for sound framing or verified masonry

Tools

Tape measure and steel rule; Pencil, square and clamps; Saw suited to the stated stock; eye and hearing protection; Drill/driver, countersink and bits matched to fasteners; Sandpaper and edge file; gloves when handling cut mesh

Primary context and design record

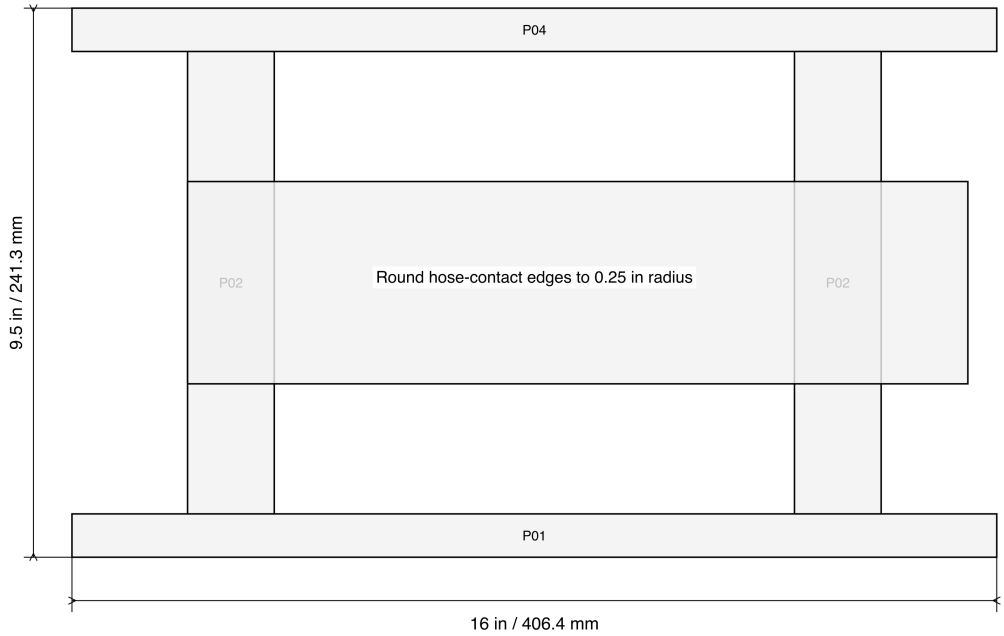
Context references; not design endorsements or certifications.

E07 · Rain Barrels: Information and Guide · Penn State Extension · https://extension.psu.edu/rain-barrels-information-and-guide

Assembly and first checks

GA-025 Wall-mounted garden hose cradle

PLAN — looking down; rear at top; controlling dimensions in inches



Part IDs refer to the finished cut list. Shapes are not load-rated. Read assembly before cutting.

Notches, holes, fittings and operating angles: see numbered steps and geometric annotations.

Original editorial draft • B/W vector • not physically built or tested • no implied Extension endorsement

01 Plan the wall-mounted garden hose cradle for this result: Support broad hose loops on a rounded wood cradle without concentrating them on a single nail. Confirm the design reference before cutting: Arms parallel; bridge upper surface 10-1/4 in above backboard bottom. In the drawings x runs left to right, y runs front to rear and z runs upward.

02 Verify the required stock before laying out these parts: 1 × 3 in board: actual 0.75 × 2.5 in (19.05 × 63.5 mm); 1 × 4 in board: actual 0.75 × 3.5 in (19.05 × 88.9 mm); 2 × 4 in board: actual 1.5 × 3.5 in (38.1 × 88.9 mm); measured 3/4 in plywood: measured thickness 0.75 in. Reject split or twisted wood and unknown salvage; thinner stock requires recalculating the joints, not simply using the listed lengths.

03 Cut and label the finished parts: 1 Backboard 16 × 16 × 0.75 in (406.4 × 406.4 × 19.05 mm), mark P01; 2 Side arms 8 × 3.5 × 1.5 in (203.2 × 88.9 × 38.1 mm), mark P02; 1 Top bridge 13.5 × 3.5 × 0.75 in (342.9 × 88.9 × 19.05 mm), mark P03; 1 Front stop 16 × 2.5 × 0.75 in (406.4 × 63.5 × 19.05 mm), mark P04. Keep saw kerf outside each finished line. Rip only where the finished width is narrower than the actual stock; use a suitable guide and target ±1/16 in (1.6 mm) for ordinary cuts. Dowel triples mean length × diameter × diameter, not square dowel stock.

04 Mark arm outside faces at x = 2 and 14 in on the backboard. The arms run outward 8 in and have upper faces at z = 9-1/2 in.

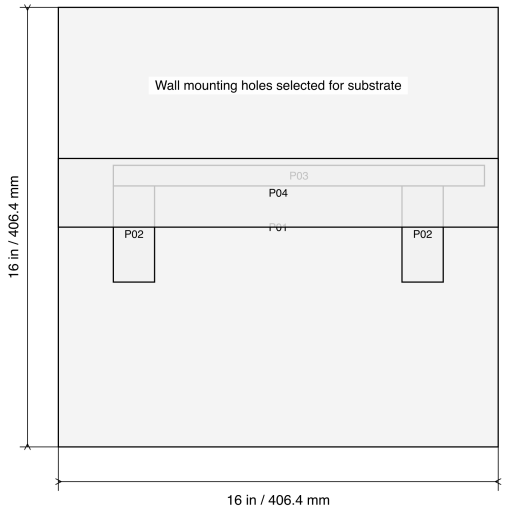
05 Clamp the first arm square and predrill four rear-entry screw holes in a staggered rectangle. Keep at least 1/2 in from arm edges.

06 Drive the four 3 in screws through the 3/4 in backboard into the arm. Repeat on the second arm, checking level top faces.

Complete the assembly

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FRONT — transparent assembly projection from y = 0; controlling dimensions in inches



Part IDs refer to the finished cut list. Shapes are not load-rated. Read assembly before cutting.
Notches, holes, fittings and operating angles: see numbered steps and geometric annotations.
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07 Lay the 13-1/2 in bridge across both arms at y = 3–6-1/2 in. Round its two hose-contact long edges to a smooth 1/4 in radius.

08 Attach the bridge with four 1-1/2 in screws into each arm, staggered along the 3-1/2 in bridge depth.

09 Fit the front stop across arm tips at y = 8-3/4 in with its top at z = 10-1/2 in. Fasten with two 1-1/2 in screws into each arm end.

10 Choose mounting fasteners and vertical spacing for the actual wall substrate, keeping holes clear of arm screws. Mount at a height permitting two-handed hose handling.

11 Coil the drained hose in broad loose loops over the bridge. Follow its minimum bend radius; do not force a large hose onto this cradle or attach a pressurized pipe to it.

12 Complete the acceptance checks below before putting the assembly into service. Record any changed stock thickness, fastener or equipment fit on the project sheet. The published geometry has not been physically built or load-tested.

Acceptance and intermediate checks

Arms parallel; bridge upper surface 10-1/4 in above backboard bottom.

Wall mounting verified independently; hose loops do not pinch over sharp edges.

Operation

No stated hose mass capacity. Not a water-pressure component or potable plumbing design.

Cleaning and maintenance

Drain hose as appropriate for freezing weather; inspect wood and wall fixing seasonally.