GA-057 Two-sided nonpotable supply flag

Place a durable physical warning at an outdoor nonpotable supply without hanging a tag from a valve handle.

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 Warning plate	1	12 × 8 × 1/2 in 304.8 × 203.2 × 12.7 mm	measured 1/2 in plywood exterior-bond plywood for protected non-food-contact fixtures; substitute thickness only by recalculating joints
P02 Upright	1	32 × 1 1/2 × 1 1/2 in 812.8 × 38.1 × 38.1 mm	2 × 2 in board sound untreated wood
P03 Cross foot	1	18 × 3 1/2 × 3/4 in 457.2 × 88.9 × 19.05 mm	1 × 4 in board sound untreated cedar or other durable untreated wood
P04 Second foot	1	14 × 3 1/2 × 3/4 in 355.6 × 88.9 × 19.05 mm	1 × 4 in board sound untreated cedar or other durable untreated wood

Hardware and consumables

4 #8 × 1-1/2 in screws for plate

4 #9 × 3 in screws for upright/feet

Weather-resistant black/white marking paint or outdoor labels

Separate low restraints selected for the location; not a permanent code-compliant sign system

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

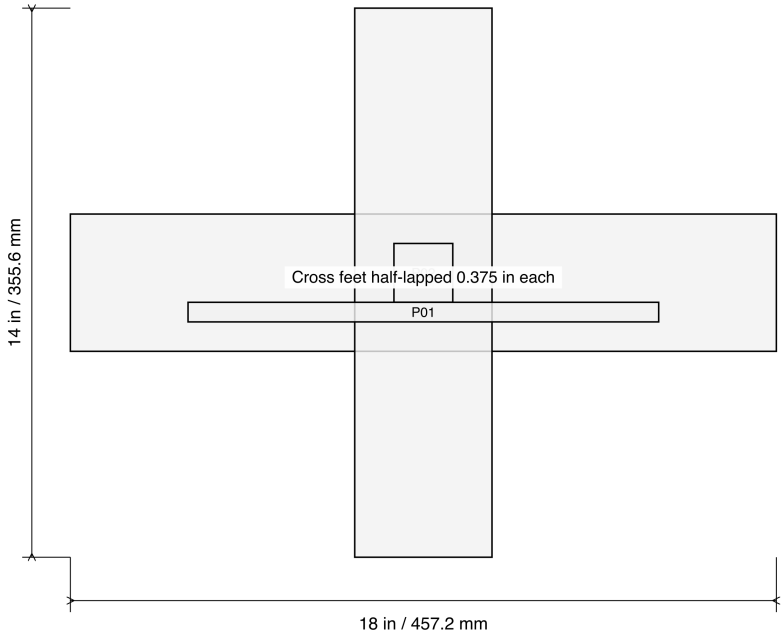
Context references; not design endorsements or certifications.

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

Assembly and first checks

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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 two-sided nonpotable supply flag for this result: Place a durable physical warning at an outdoor nonpotable supply without hanging a tag from a valve handle. Confirm the design reference before cutting: Message legible on both sides; plate screws buried. 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 × 4 in board: actual 0.75 × 3.5 in (19.05 × 88.9 mm); 2 × 2 in board: actual 1.5 × 1.5 in (38.1 × 38.1 mm); measured 1/2 in plywood: measured thickness 0.5 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 Warning plate 12 × 8 × 0.5 in (304.8 × 203.2 × 12.7 mm), mark P01; 1 Upright 32 × 1.5 × 1.5 in (812.8 × 38.1 × 38.1 mm), mark P02; 1 Cross foot 18 × 3.5 × 0.75 in (457.2 × 88.9 × 19.05 mm), mark P03; 1 Second foot 14 × 3.5 × 0.75 in (355.6 × 88.9 × 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 Place the warning plate centered across the upright, with its lower edge 24 in above the post bottom (installed z = 24-3/4 in).

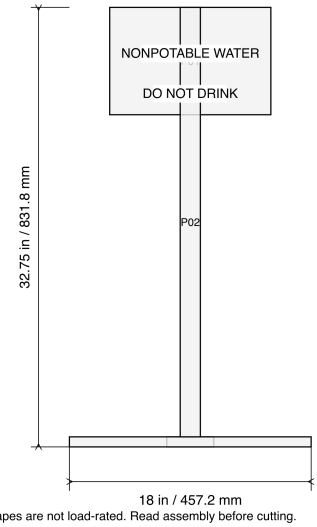
05 Pilot four front-entry plate holes into the upright, two at z = 26 and two at z = 30 in, spaced across the 1-1/2 in post face without splitting it.

06 Fasten with four 1-1/2 in screws, keeping tips inside the post. Seal/finish the non-food-contact wood for outdoor exposure as the finish label directs.

Complete the assembly

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



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07 Lay out a 3-1/2 in-wide × 3/8 in-deep half-lap at the center of each foot: x = 4-1/4 to 7-3/4 in on the long foot; y = -3/4 to 2-3/4 in on the cross foot in the drawing coordinates. Cut one lap from the upper face and its mate from below, then dry-fit them into a flat 3/4 in-thick cross.

08 Seat the post bottom on the foot cross at z = 3/4 in. Predrill and drive four 3 in screws upward through the crossed feet into the post end, using a small staggered square pattern inside its 1-1/2 in face. Check that both feet lie flat after tightening.

09 On both sides apply the exact high-contrast words NONPOTABLE WATER / DO NOT DRINK. Keep letters large and leave no decorative texture behind them.

10 Place beside the actual supply where the message is visible before the outlet is operated. Add separate low restraints and keep the feet away from the walking route.

11 Check visibility from both approach directions. The flag complements identification; it does not provide backflow protection, pipe separation, a locked lid or compliance with local labeling rules.

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

Message legible on both sides; plate screws buried.

Feet half-lapped into a flat 3/4 in-thick cross; sign restrained and outside walkway.

Operation

This is a physical identification aid only, never a drinking-water safety determination.

Cleaning and maintenance

Check message legibility and restraints regularly; repaint faded lettering.