GA-020 Labeled scion-bundle support rack

Keep separately wrapped scion bundles organized on a small removable shelf inside an appropriate storage area.

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 Base	1	18 × 10 × 1/2 in 457.2 × 254 × 12.7 mm	measured 1/2 in plywood exterior-bond plywood for protected non-food-contact fixtures; substitute thickness only by recalculating joints
P02 End risers	2	10 × 2 1/2 × 3/4 in 254 × 63.5 × 19.05 mm	1 × 3 in board sound untreated cedar or other durable untreated wood
P03 Bundle rails	2	18 × 1 1/2 × 3/4 in 457.2 × 38.1 × 19.05 mm	1 × 2 in board sound untreated cedar or other durable untreated wood; no unknown salvage
P04 Separating pins	10	2 1/2 × 1/4 × 1/4 in 63.5 × 6.35 × 6.35 mm	1/4 in dowel smooth hardwood

Hardware and consumables

8 #8 × 1-1/4 in screws for risers

8 #8 × 1-1/4 in screws for rails

10 1/4 in hardwood pins 2-1/2 in long

Wood glue for pins; 5 removable variety tags

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

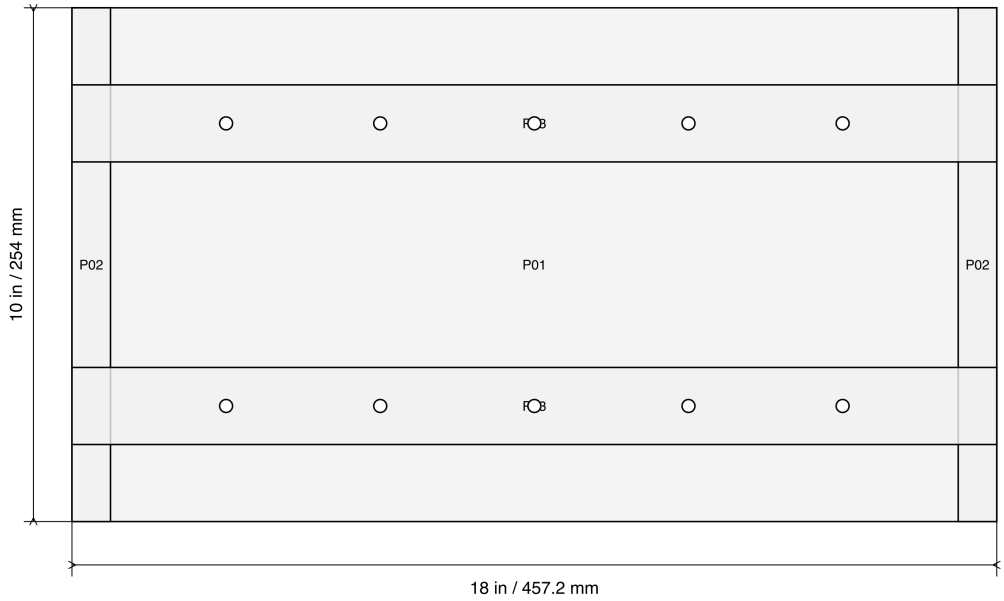
Context references; not design endorsements or certifications.

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Assembly and first checks

GA-020 Labeled scion-bundle support rack

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 labeled scion-bundle support rack for this result: Keep separately wrapped scion bundles organized on a small removable shelf inside an appropriate storage area. Confirm the design reference before cutting: Pins project 2 in (50.8 mm); rails are level and parallel. 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 × 2 in board: actual 0.75 × 1.5 in (19.05 × 38.1 mm); 1 × 3 in board: actual 0.75 × 2.5 in (19.05 × 63.5 mm); 1/4 in dowel: measured diameter 0.25 in; 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 Base 18 × 10 × 0.5 in (457.2 × 254 × 12.7 mm), mark P01; 2 End risers 10 × 2.5 × 0.75 in (254 × 63.5 × 19.05 mm), mark P02; 2 Bundle rails 18 × 1.5 × 0.75 in (457.2 × 38.1 × 19.05 mm), mark P03; 10 Separating pins 2.5 × 0.25 × 0.25 in (63.5 × 6.35 × 6.35 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 Set the two 10 in risers on the base at x = 0 and 17-1/4 in. Fasten from below with four screws per riser.

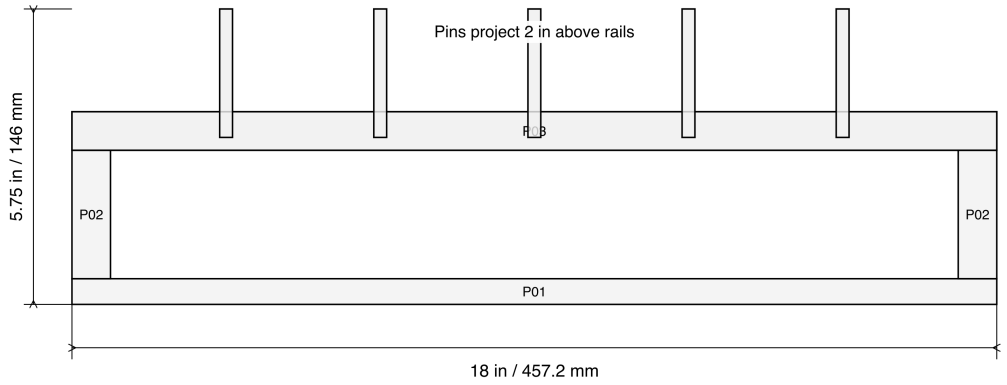
05 Lay the 18 in bundle rails flat across the risers with front edges at y = 1-1/2 and 7 in. The clear gap between rail inside edges is 4 in.

06 Fasten each rail at both ends with two 1-1/4 in screws, leaving the center open below for air circulation.

Complete the assembly

GA-020 Labeled scion-bundle support rack

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.
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07 Mark pin centers on each rail at x = 3, 6, 9, 12 and 15 in and centered across the rail width.

08 Drill 1/4 in blind holes 1/2 in deep using a stop collar. Test the pin fit on scrap and keep holes clear of fasteners.

09 Glue pins into the holes with 2 in projecting above the rail. Round exposed tops so they cannot puncture wrapping.

10 Label five bundle positions and support each wrapped bundle across both rails. Keep wrapping and required storage conditions crop-specific; do not bare-store cut scion wood on the rack.

11 Trial-fit the complete rack within the chosen storage space before loading. Keep it separate from produce and follow a local Extension grafting guide for species-specific collection/storage.

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

Pins project 2 in (50.8 mm); rails are level and parallel.

Rack fits selected space with no obstruction to ventilation or door closure.

Operation

Organization fixture only; no temperature, humidity, viability or disease-control claim.

Cleaning and maintenance

Clean and dry between seasons; replace tags that could mix varieties.