Build the large twin-door cube enclosure

P04-03 · V5 REVISION 01 · ILLUSTRATED 01

30 × 30 × 30 inches

762 × 762 × 762 mm · bare case, width × depth × height



Maple veneer covers the roof, outside faces, underside, edges and opening reveals

Two independently latched acrylic doors, a removable screened roof, inside screen captures and a supported central roof rib. Follow 49 pictured operations with checks before continuing.

Construction holds: received material and hardware acceptance, custom hinge-pad mounting, veneer balance/bond, glazing fit, prototype construction, physical testing and qualified review remain open.

Complete illustrated PDF

Read this before cutting

Receive and trial the exact products before dependent final cuts. This is P04-03’s own 30-inch (762 mm) cube with removable-pin hinges and a rear spacer-and-cap glazing system. Recalculate every affected part if stock or hardware changes.

Measurement	Reference
Bare case	30 × 30 × 30 in (762 × 762 × 762 mm)
Reference covered wood	30.061 in (763.55 mm) × 30.061 in (763.55 mm) × 30.061 in (763.55 mm)
Maximum covered wood	30.092 in (764.34 mm) × 30.092 in (764.34 mm) × 30.092 in (764.34 mm)
Each bare door	11.32825 in (287.74 mm) × 22.469 in (570.71 mm)
Bare door gaps	Hinge/top/bottom 3/16 in (4.76 mm); latch 5/32 in (3.97 mm)
Minimum final operating gap	1/16 in (1.59 mm); containment acceptance is separate
Each acrylic pane	Width 9.172 in (232.97 mm); height 20.344 in (516.74 mm); thickness 0.22 in (5.59 mm)
Hinge pin service allowance	4 in (101.6 mm) above upper pin and 14 in (355.6 mm) in front; enlarge for actual tools and helper
Full cured veneer layer	Reference 0.0305 in (0.77 mm); maximum 0.046 in (1.17 mm)

Measurements: in means inches; mm means millimetres. Exact decimals are retained for fitting. Hardware projects beyond the wood. Assembly coordinates start at outside LEFT (X), outside FRONT (Y) and FLOOR UNDERSIDE (Z), unless a local part edge is named.

Tools, terms and workholding

Prepare a padded supporting bench, helpers, clamps, straight cauls, tape, square, caliper and marking knife. Use supported saw and guided router/jigsaw setups, a chisel, block plane, sliding bevel and stopped drills. Make narrow pieces from safely supported long stock; use the tool’s guarded carrier or a machining service.

Use root-matched pilots, clearance bits, the actual 82-degree head seat and correctly fitting Phillips drivers. Two suitable thin wrenches must fit the received locknut and closed cover; the modeled 3/8 in (9.53 mm) hex envelope is only a reference. Metal needs a vise, supported cutting/drilling tools and files. Veneer needs a sharp knife, straightedge, cutting board and supplier-approved scraper.

Wear eye/hearing protection, control dust and ventilate coatings. Protect hands from sharp mesh and metal. Keep gloves, fingers and loose clothing away from rotating tools. Clamp small work and support the waste.

Term	Meaning
Cleat / ledger / post	Screw-receiving strip / horizontal support / vertical bearing support
Stile / rail	Vertical / horizontal frame member
Caul / lamination	Straight board spreading clamp pressure / layers glued together
Half-lap / recess	Two half-thickness overlapping ends / shallow pocket
Pilot / clearance / countersink	Thread-guiding hole / free screw passage / conical flat-head seat
Datum / kerf	Named measuring surface / width removed by a cut
PSA / RH / BOM / EPDM	Pressure-sensitive adhesive / relative humidity / bill of materials / ethylene propylene diene monomer rubber

Use the actual-stock worksheet

Record plywood thickness: **t = _____ in / _____ mm**. These equations preserve the bare 30-inch (762 mm) case and assume the accepted front-frame and solid-support sections. Changed sections require a coordinated revision.

Part or opening	Equation, inches	Reference
P01 floor and P02 roof	30 × 30	30 × 30 in (762 × 762 mm)
Side height; back height and width	30 − 2t	28.594 in (726.29 mm)
Each front opening width	(30 − 2t − 3 × 1.75) ÷ 2	11.672 in (296.47 mm)
Front opening height	30 − 2t − 4 − 1.75	22.844 in (580.24 mm)
Bare leaf width	Measured opening − 3/16 − 5/32	11.32825 in (287.74 mm)
Bare leaf height	Measured opening − 3/16 − 3/16	22.469 in (570.71 mm)
C03–C06 side cleats	30 − t − 3	26.297 in (667.94 mm)
C07/C08/C10 cross ledgers	30 − 2t − 3	25.594 in (650.09 mm)
C11 central roof rib	30 − t − 1.5	27.797 in (706.04 mm)
C12 centre bearing post	Actual gap; reference 30 − 2t − 3	25.594 in (650.09 mm)
C13/C14 rear bearing posts	Actual gap; reference 30 − 2t − 4.5	24.094 in (611.99 mm)

Use matching received offcuts as gauges and transfer actual gaps to story sticks. Dependent frame cuts, pane/spacer clearances, hardware positions and veneer blanks must change together. Rounded tape equivalents are for orientation, not final machining settings.

Find the next operation

1. OP01 · Plan support, handling and removal space
2. OP02 · Resolve the receiving holds
3. OP03 · Measure, mark and acclimate the stock
4. OP04 · Prepare supported tool setups
5. OP05 · Trial clearance holes, pilots and head seats
6. OP06 · Trial the removable-pin hinges and hasps
7. OP07 · Make a full-size veneer and balance trial
8. OP08 · Trial the rear spacer-and-cap glazing
9. OP09 · Allocate the stock and rough-cut labeled blanks
10. OP10 · Fit the five case panels
11. OP11 · Cut the roof aperture
12. OP12 · Cut the paired side ventilation openings
13. OP13 · Cut the cleats, ledgers and bearing posts
14. OP14 · Cut and dry-stack the two front-frame layers
15. OP15 · Glue and screw the fixed front frame
16. OP16 · Cut the door-frame half-laps
17. OP17 · Glue and fasten both door frames
18. OP18 · Fit bare door gaps for the complete veneer
19. OP19 · Bevel the rear latch edges
20. OP20 · Make the spacers, caps and acrylic panes
21. OP21 · Drill and trial the glazing cap stations
22. OP22 · Cut the roof and side screen battens
23. OP23 · Recess the screen while retaining wood bearing
24. OP24 · Cut and contain the three screens
25. OP25 · Cut, deburr and seat the two steel strips
26. OP26 · Make eight matched hinge bearing pads

Find the next operation · continued

27. OP27 · Dry-fit the floor, sides and lower supports
28. OP28 · Fit the back and bearing posts
29. OP29 · Install the cured fixed front frame
30. OP30 · Drill and screw the case in the planned order
31. OP31 · Trial the roof as a removable assembly
32. OP32 · Transfer side screen axes through open wire cells
33. OP33 · Fit flush heads and covered inside side fixings
34. OP34 · Assemble the roof screen and steel supports
35. OP35 · Hang and align the supported bare doors
36. OP36 · Fit the two independent swivel hasps
37. OP37 · Rehearse pin, pane and roof removal
38. OP38 · Disassemble and prepare the finish surfaces
39. OP39 · Seal the veneer substrate and wait
40. OP40 · Fit separate veneer pieces to all exposed edges
41. OP41 · Cover the roof, underside and exterior faces
42. OP42 · Apply the specified clear finish
43. OP43 · Inspect cured layers and finish the final fit
44. OP44 · Reinstall screens, supports and roof
45. OP45 · Rehang and operate both finished doors
46. OP46 · Fit clean panes, rear strips and removable caps
47. OP47 · Set the optional fixture only after receiving checks
48. OP48 · Commission the empty finished enclosure
49. OP49 · Record inspection and repeatable maintenance

OP01 · Plan support, handling and removal space

Parts: P01 · Continuous floor; P02 · Roof with upper exhaust

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation

Before you begin: No load rating, stacking permission or species approval is supplied.



Plan support, handling and removal space

1. Start from the bare 30 in (762 mm) × 30 in (762 mm) × 30 in (762 mm) case. At the maximum allowed covering, the wood envelope is 30.092 in (764.34 mm) in each direction; hinges and hasps project farther.

2. Provide a rigid, level support under the entire finished floor. Record the actual shell, substrate, contents and equipment weights; have that complete load and stability assessed.

3. Reserve both door swing sectors, at least 14 in (355.6 mm) in front and 4 in (101.6 mm) above the upper hinge pin, plus the actual hand, tool and helper space. Rehearse a route to lift off the roof and remove each supported door.

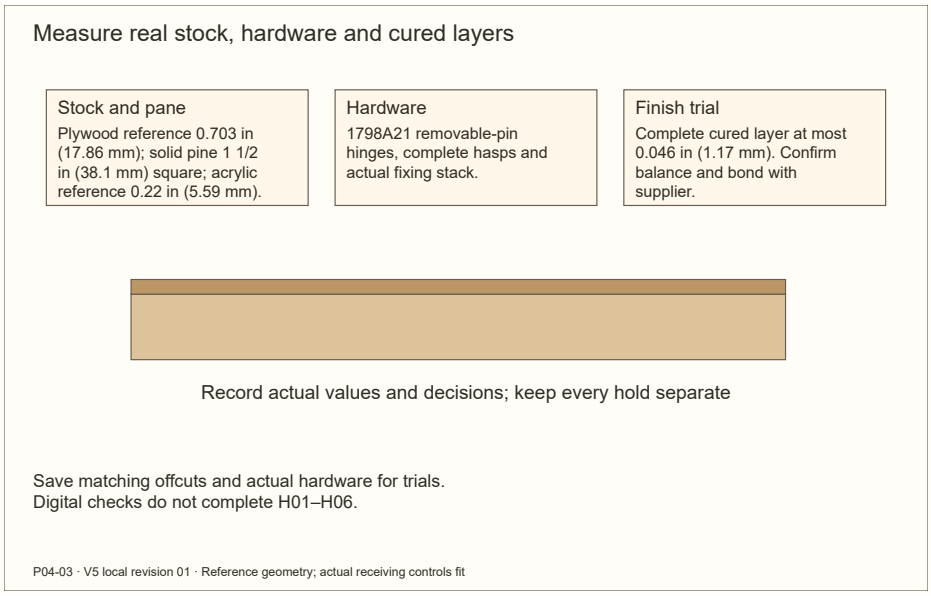
Check before continuing: Support, helpers and all maintenance paths are recorded.

OP02 · Resolve the receiving holds

Parts: Accepted material samples and the named workshop setup

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation

Before you begin: Unresolved inputs remain holds; an illustration is not product approval.



Resolve the receiving holds

1. Read H01–H06 before buying or cutting dependent parts. Keep the actual measurements and supplier decisions on the worksheet.

2. Choose one maple, white-oak or walnut system. Confirm backing, adhesive, sealer, finish and balancing method. PSA in a product name means pressure-sensitive adhesive.

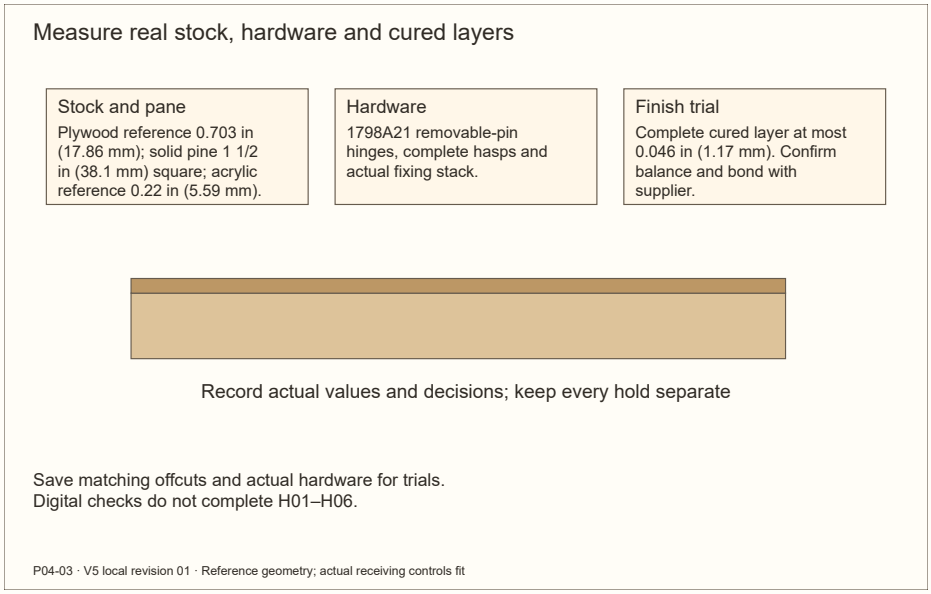
3. Use the listed material and hardware identities. A substitution requires revising the affected dimensions, holes, instructions, purchases and pictures together.

Check before continuing: Every input required by the next operation is accepted.

OP03 · Measure, mark and acclimate the stock

Parts: P01 · Continuous floor; P03 · Left side with lower inlet; F01 · Front outer stile; G1 · Door 1 OPTIX pane

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Measure, mark and acclimate the stock

1. Measure plywood at its corners and centre. Reference thickness is 0.703 in (17.86 mm); sheet layouts use 95.88 in (2435.35 mm) × 47.964 in (1218.29 mm) usable stock. The listing has conflicting thickness fields, so actual received sheets govern.

2. Check straight, sound 1 1/2 in (38.1 mm) square pine, 3/4 in (19.05 mm) × 7 1/4 in (184.15 mm) boards, 1/4 in (6.35 mm) lattice, 3/8 in (9.53 mm) square poplar, acrylic, mesh, steel and pads. Reject damaged or voided screw-bearing areas.

3. Acclimate as the material and veneer suppliers require. Label FRONT, INSIDE, LEFT or RIGHT, part ID and a measuring corner; save matching offcuts.

Check before continuing: Stock gauges and datums are recorded without rounding away a fit change.

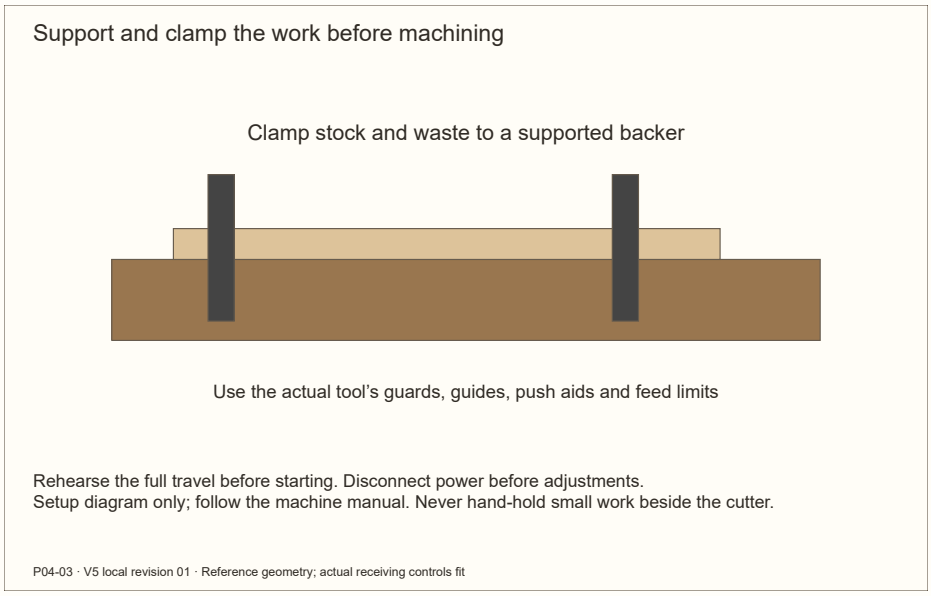
Required wait: Use confirmed supplier acclimation requirements; no invented duration applies.

OP04 · Prepare supported tool setups

Parts: Accepted material samples and the named workshop setup

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation

Before you begin: Never feed a short loose strip through a planer or trap the waste beside the blade.



Prepare supported tool setups

1. Set up a flat padded bench, clamps and supported infeed/outfeed. Rehearse the largest panel and the empty case turn with help.

2. Use guards, riving knife, push aids and minimum workpiece lengths required by the actual tools. Make narrow strips from long supported stock with a suitable carrier or milling service.

3. Clamp drill and router work to a backer. Disconnect tools before changing cutters, guides or stops.

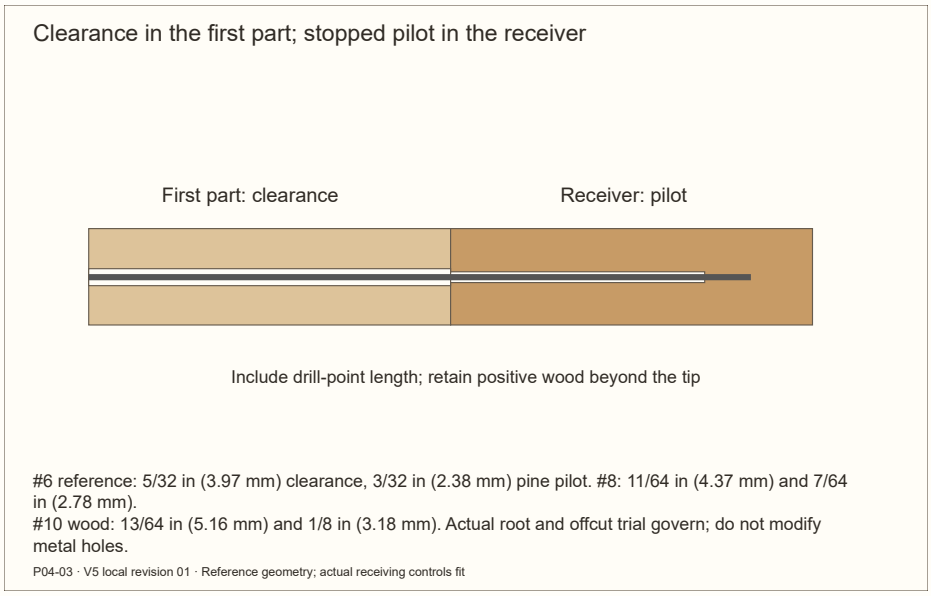
Check before continuing: Every cut has stable support and a safe hand path.

OP05 · Trial clearance holes, pilots and head seats

Parts: Accepted material samples and the named workshop setup

Tools / setup: Stopped drill, countersink, caliper, actual screws, clamps and backer

Before you begin: Do not enlarge the metal hinge or hasp countersinks to force a screw to fit.



Trial clearance holes, pilots and head seats

1. A clearance hole lets the first part slide along the screw; a smaller pilot guides the thread in the receiver. Trial matching offcuts with the actual screw.

2. Reference clearances are 5/32 in (3.97 mm) for #6, 11/64 in (4.37 mm) for #8 and 13/64 in (5.16 mm) for #10 wood screws. Reference pine pilots are 3/32 in (2.38 mm), 7/64 in (2.78 mm) and 1/8 in (3.18 mm) respectively; actual root diameter and the trial govern.

3. Screen bolts use 1/4 in (6.35 mm) through holes and 82-degree flat-head seats. Trial the head in sound wood. Include the drill point in a stopped depth; leave at least 1/16 in (1.59 mm) wood behind each tip.

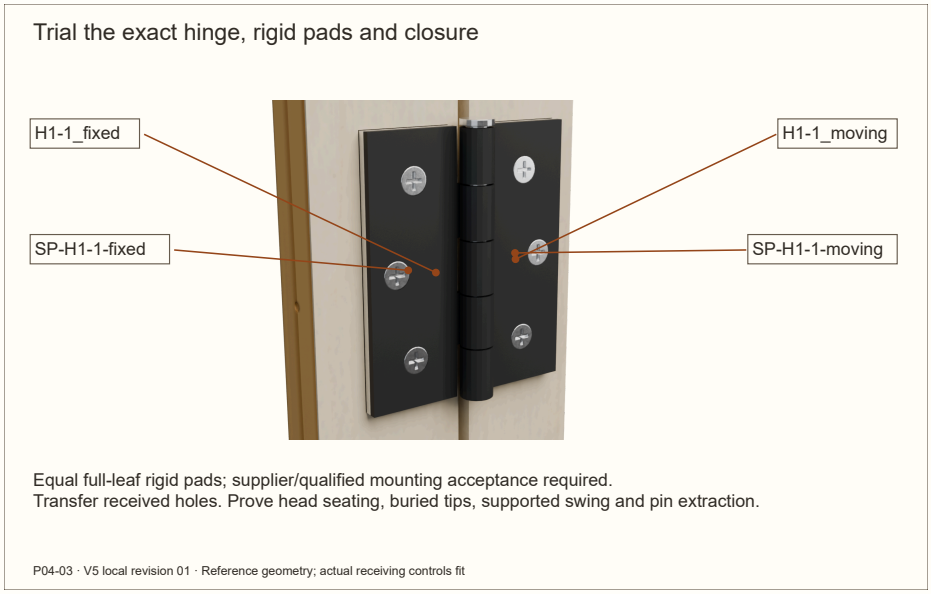
Check before continuing: Heads seat without splitting, crushing or exposed screw points.

OP06 · Trial the removable-pin hinges and hasps

Parts: H1-1_fixed · 1798A21 fixed leaf with knuckles; H1-1_moving · 1798A21 moving leaf with knuckles; L-HP-base · Hasp mounting leaf; L-ST-base · Swivel-staple mounting plate

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation

Before you begin: Supplier or qualified acceptance and a full-size trial are still required; no hinge capacity is inferred.



Trial the removable-pin hinges and hasps

1. Use matching fixed and moving frame offcuts. Trial a 3 in (76.2 mm) × 1 1/16 in (26.99 mm) × 1/8 in (3.18 mm) rigid aluminium pad under each hinge leaf, with at least 7/64 in (2.78 mm) actual pad thickness. Custom mounting acceptance remains H02.

2. Fit the exact McMaster 1798A21 hinge with its barrel forward and pin removable upward. Transfer the received holes and trial the listed #8 × 1 1/4 in (31.75 mm) flat-head screws. Both pads must bear fully on bare wood.

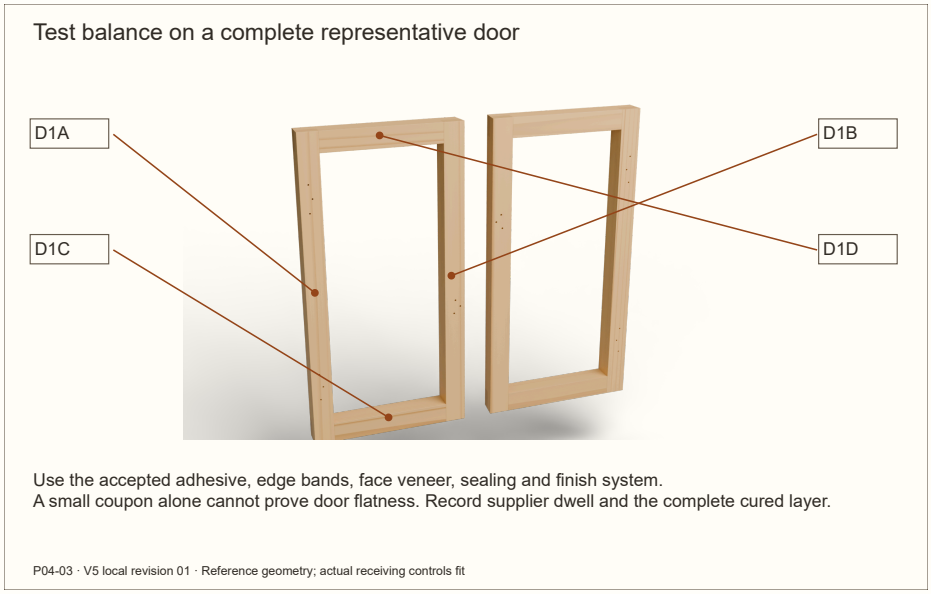
3. Trial the N305-979 narrow base on the trimmed latch stile and its square swivel plate on the 1 3/4 in (44.45 mm) centre post. Keep all seven holes and each plate fully supported; transfer received hardware, not the picture.

Check before continuing: Hardware seating, sound edge margins, supported swing and actual pin removal are accepted.

OP07 · Make a full-size veneer and balance trial

Parts: D1A · Door 1 half-lapped stile; D1B · Door 1 half-lapped stile; D1C · Door 1 half-lapped rail; D1D · Door 1 half-lapped rail

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Make a full-size veneer and balance trial

1. Use reserved stock to make a representative complete door frame. Apply the proposed face, edge, adhesive, sealing and finish system; a small coupon alone cannot show door balance.

2. Follow the supplier’s accepted balancing, pressure and dwell instructions. Measure the complete cured layer, including adhesive and coatings: no specified face may exceed 0.046 in (1.17 mm).

3. Record flatness, bond, finished gaps and hardware operation under the intended conditions. An added backing layer or changed stock gauge requires a coordinated revision.

Check before continuing: The cured complete-door trial stays flat and fits the accepted hardware.

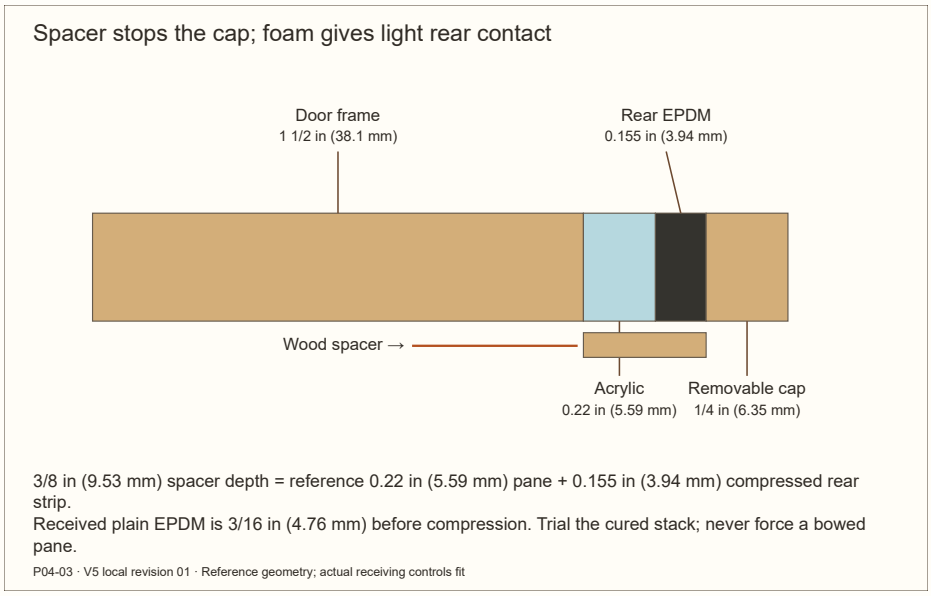
Required wait: Use confirmed adhesive dwell and full coating cure; these are separate waits.

OP08 · Trial the rear spacer-and-cap glazing

Parts: D1A · Door 1 half-lapped stile; Q1L · Door 1 separate spacer L; B1L · Door 1 separate flat cap L; G1 · Door 1 OPTIX pane; E1L · Door 1 plain EPDM rear cushion L

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation

Before you begin: Do not stack foam, glue the pane or tighten screws to force an incorrect stack.



Trial the rear spacer-and-cap glazing

1. Make a same-stock sample with the actual 3/8 in (9.53 mm) rear spacer and 1/4 in (6.35 mm) cap. The cap stops on the wood spacer; there is no routed glazing pocket in this build.

2. Finish and fully cure the sample. Fit the actual 0.22 in (5.59 mm) reference acrylic and plain 3/16 in (4.76 mm) EPDM rear strip. The modeled 0.155 in (3.94 mm) compressed strip is a fit reference, not an approved force.

3. Maintain 1/8 in (3.18 mm) pane edge clearance to the surrounding spacers. The cap must seat with light strip contact and no pane bow. Resolve actual stack, finish compatibility and contact with the suppliers.

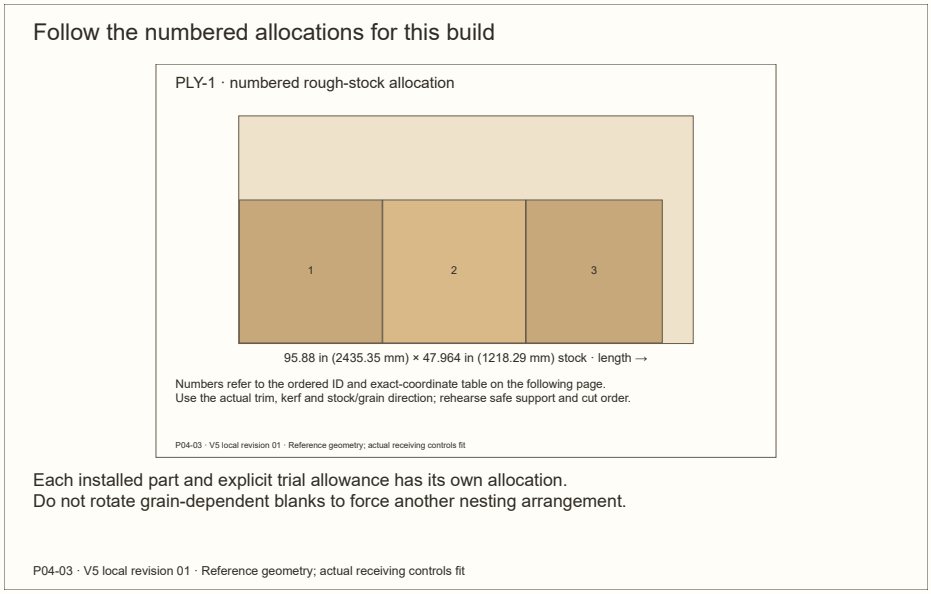
Check before continuing: The pane is supported and unbowed; caps seat on wood.

Required wait: Complete finish cure before measuring this trial.

OP09 · Allocate the stock and rough-cut labeled blanks

Parts: P01 · Continuous floor; P02 · Roof with upper exhaust; P03 · Left side with lower inlet; P04 · Right side with lower inlet; P05 · Back

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Allocate the stock and rough-cut labeled blanks

1. Follow this revision’s numbered stock layouts. Respect grain direction, end/edge trims and the reference 1/8 in (3.18 mm) saw kerf. Revise layouts if the measured blade or stock differs.

2. Keep installed parts separate from dedicated trial boards, veneer and foam. Retain rough fitting allowance and label every blank immediately.

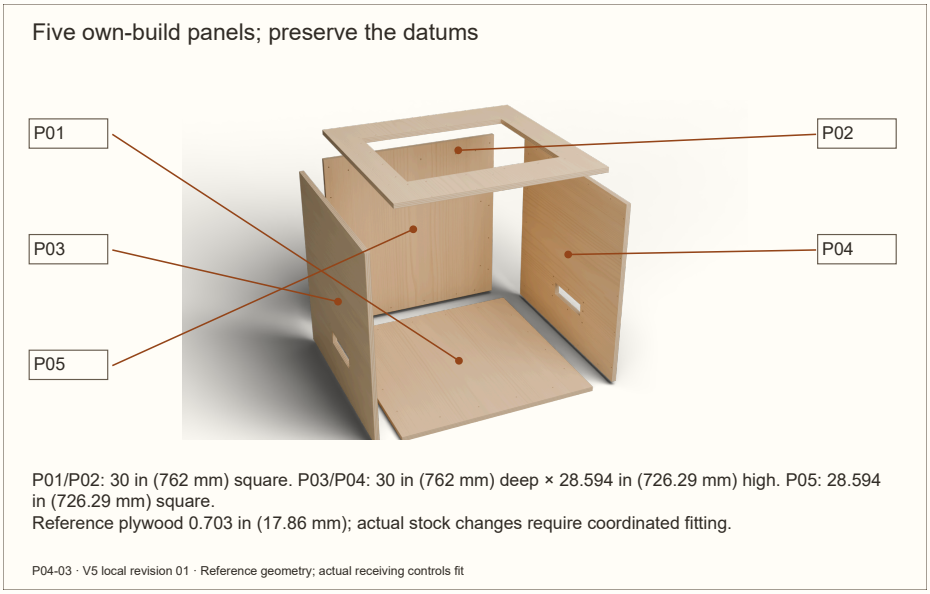
3. Make supported long cuts before narrow strips. Use the exact finished dimensions and actual mating parts for final fitting; do not use a rounded tape reference as a machining setting.

Check before continuing: Every installed part and trial allowance is accounted for.

OP10 · Fit the five case panels

Parts: P01 · Continuous floor; P02 · Roof with upper exhaust; P03 · Left side with lower inlet; P04 · Right side with lower inlet; P05 · Back

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Fit the five case panels

1. Finish floor P01 and roof P02 at 30 in (762 mm) square. Reference sides P03/P04 are 30 in (762 mm) deep × 28.594 in (726.29 mm) high between the 0.703 in (17.86 mm) panels.

2. Fit back P05 between the actual sides: reference 28.594 in (726.29 mm) square. Use a story stick, a strip marked directly from the received stack, to transfer both clear dimensions.

3. Check the height and width chains close to the intended bare 30 in (762 mm) envelope. Keep joint edges square; remove splinters without rounding the measuring faces.

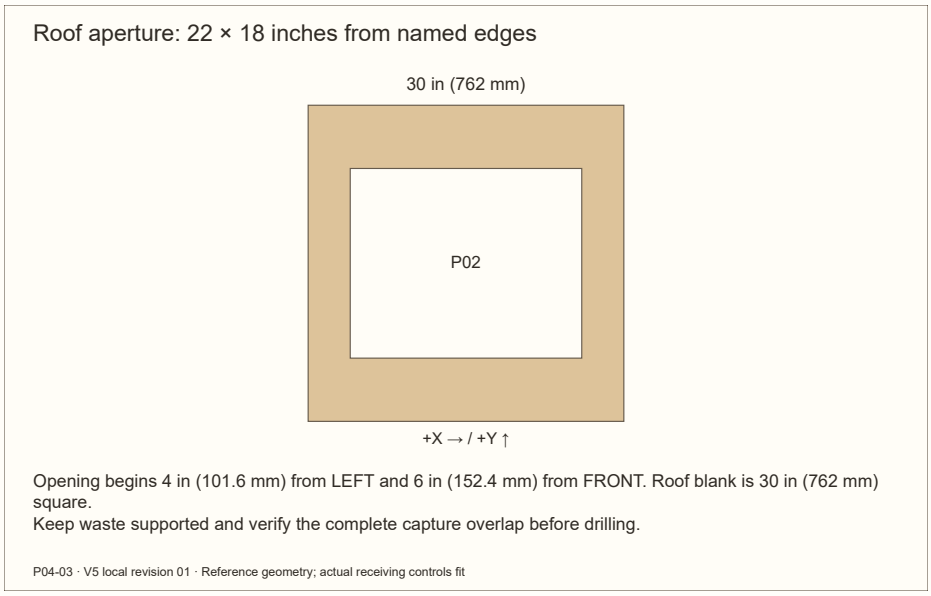
Check before continuing: Paired sides match and the dry case dimensions close correctly.

OP11 · Cut the roof aperture

Parts: P02 · Roof with upper exhaust

Tools / setup: Supported jigsaw/router, guide, clamps, square and backer

Before you begin: Unsupported waste can fall, tear the face or pinch the blade.



Cut the roof aperture

1. On a supported roof blank, mark the 22 in (558.8 mm) × 18 in (457.2 mm) opening beginning 4 in (101.6 mm) from LEFT and 6 in (152.4 mm) from FRONT.

2. Clamp the waste and panel. Use the actual tool’s supported starter and guided-cut method; keep the border intact.

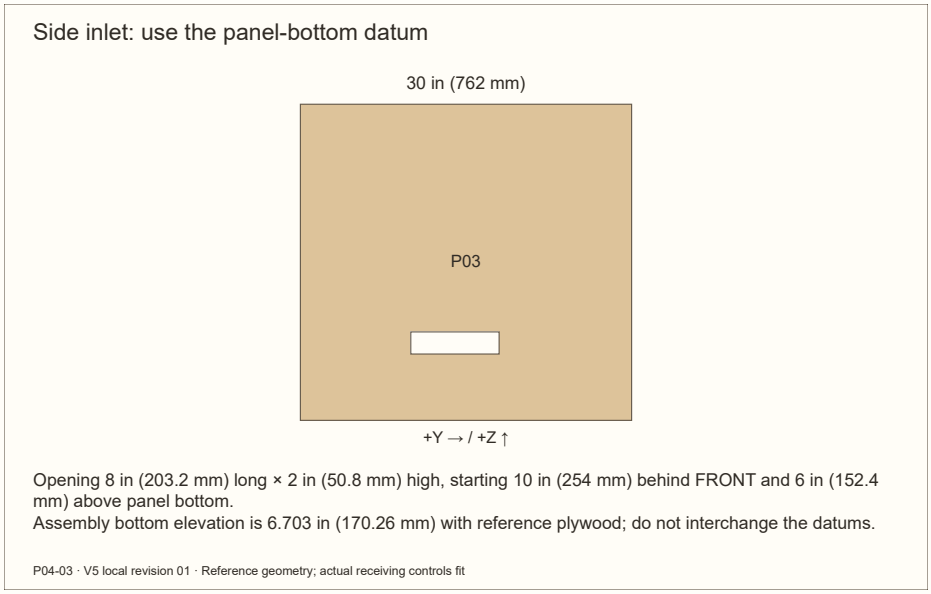
3. Compare the opening diagonals and dry-fit the 24 in (609.6 mm) × 20 in (508 mm) mesh allowance and six capture pieces. Do not enlarge the opening to compensate for a crooked cut.

Check before continuing: The opening is square and agrees with the named roof datums.

OP12 · Cut the paired side ventilation openings

Parts: P03 · Left side with lower inlet; P04 · Right side with lower inlet

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Cut the paired side ventilation openings

1. Mark each opening 8 in (203.2 mm) along the side × 2 in (50.8 mm) high, starting 10 in (254 mm) behind FRONT and 6 in (152.4 mm) above that side panel’s bottom edge.

2. When assembled on the reference floor, the opening bottom is 6.703 in (170.26 mm) above the floor underside. Keep panel-local and assembly datums distinct.

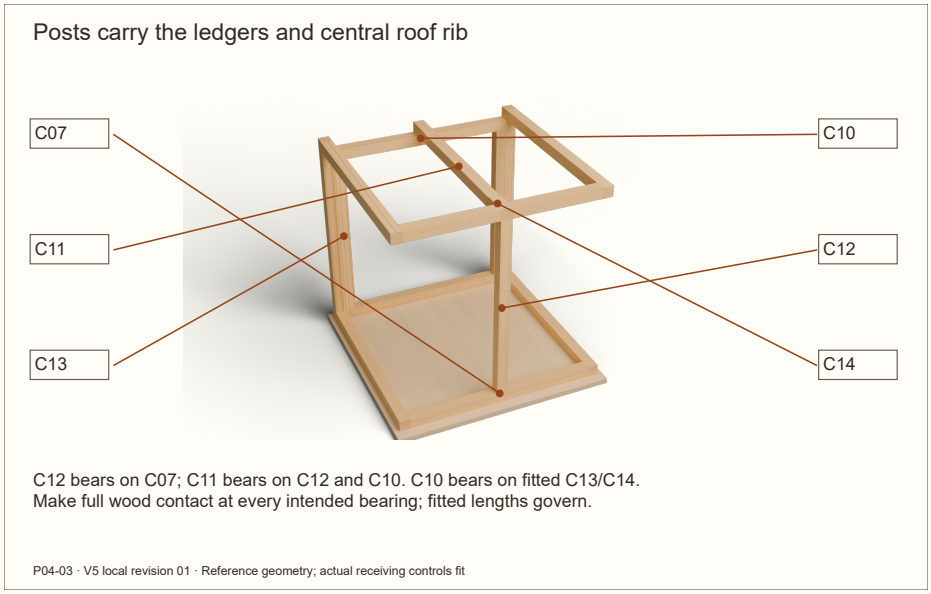
3. Cut on a backer with supported waste, then compare both sides. Dry-position the 10 in (254 mm) × 4 in (101.6 mm) screen and four inside battens around each opening.

Check before continuing: Both inlet openings and their capture overlap agree.

OP13 · Cut the cleats, ledgers and bearing posts

Parts: C01 · Solid rear corner cleat; C03 · Solid side bearing cleat; C07 · Solid front/back ledger; C10 · Solid front/back ledger; C11 · Solid central roof rib; C12 · Solid centre bearing post; C13 · Rear ledger bearing post; C14 · Rear ledger bearing post

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Cut the cleats, ledgers and bearing posts

1. Use the labeled solid-pine cut schedule. A cleat is a strip behind a joint that receives screws; a ledger is a horizontal support; posts carry the ledgers and rib.

2. Fit C01/C02 rear corners and C03–C06 side cleats to the actual case. Fit C07/C08 lower front/rear ledgers between them. Keep the top-front C09A/C09B split for centre rib C11.

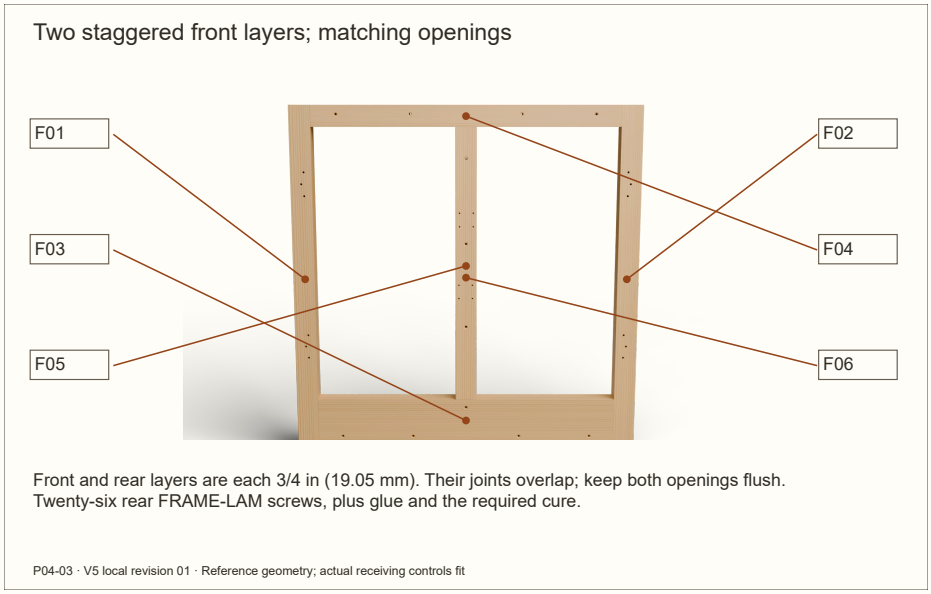
3. Rough C13/C14 rear bearing posts at 24 1/4 in (615.95 mm), then fit the actual gap; the reference final length is 24.094 in (611.99 mm). C12 supports C11 from C07. Never fill a short bearing post with an unexplained gap.

Check before continuing: All intended end bearings make full contact before fastening.

OP14 · Cut and dry-stack the two front-frame layers

Parts: F01 · Front outer stile; F02 · Front outer stile; F03 · Front sill; F04 · Front header; F05 · Front centre stile; F06 · Rear centre stile

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Cut and dry-stack the two front-frame layers

1. Cut F01–F12 from the reference 3/4 in (19.05 mm) board. Keep the front layer’s full-height outer stiles, sill, header and centre infill distinct from the staggered rear pieces.

2. Dry-stack both layers on a flat bench with their outside faces and door openings flush. F06 runs full height behind the centre; F07/F08 rear sills and F09/F10 rear headers end against it.

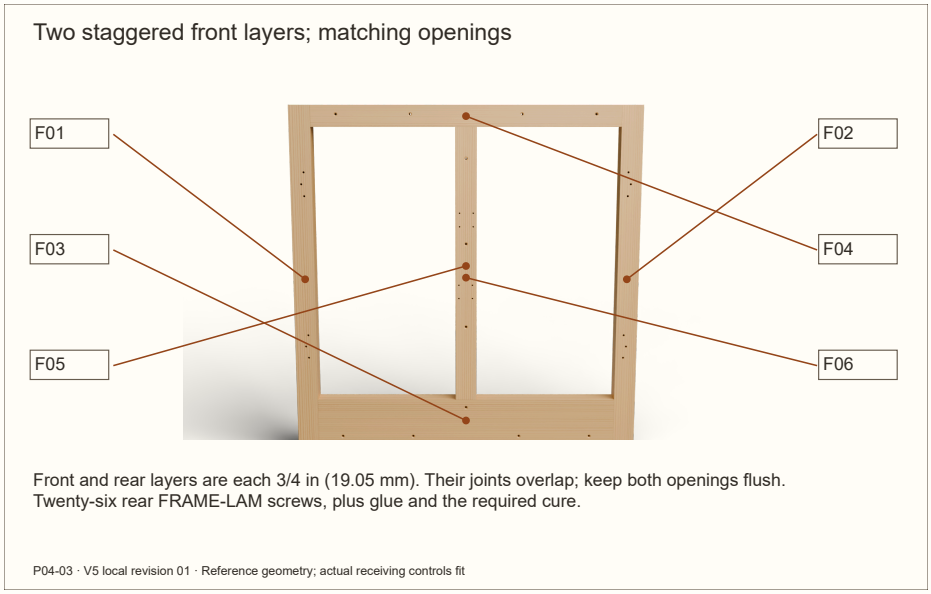
3. Check both openings, reference 11.672 in (296.47 mm) wide × 22.844 in (580.24 mm) high. Label every layer before separating it for glue.

Check before continuing: The staggered joints overlap correctly and the two openings are square.

OP15 · Glue and screw the fixed front frame

Parts: F01 · Front outer stile; F02 · Front outer stile; F03 · Front sill; F04 · Front header; F05 · Front centre stile; F06 · Rear centre stile

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Glue and screw the fixed front frame

1. Glue only clean bare mating wood with Titebond III. Above the conservative 47°F (8.3°C) application minimum, spread the maker's specified amount and assemble within the actual working time.

2. Clamp the two layers flat and square; install the 26 FRAME-LAM #8 × 1 1/4 in (31.75 mm) screws from the rear. Use the station drawing, clear first layer and stopped pilot in the front layer.

3. Remove squeeze-out while appropriate for the glue instructions, keeping later glazing, veneer and hardware seats clean. Check diagonals before leaving the assembly clamped.

Check before continuing: The frame remains flat and square with all screw tips buried.

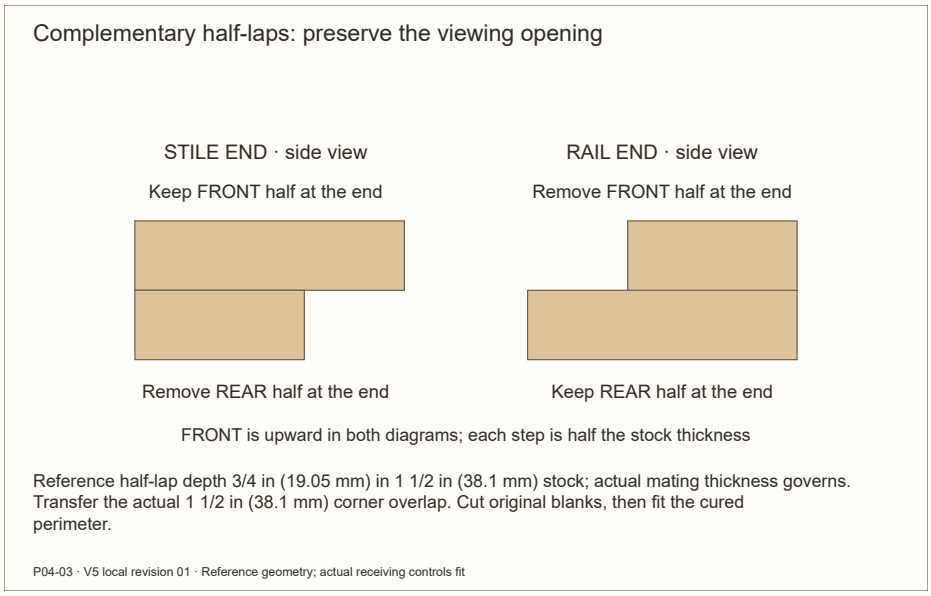
Required wait: Titebond recommends 30–60 minutes clamping for unstressed joints; stressed joints require 24 hours. Do not stress these new joints for at least 24 hours; colder conditions may require longer.

OP16 · Cut the door-frame half-laps

Parts: D1A · Door 1 half-lapped stile; D1B · Door 1 half-lapped stile; D1C · Door 1 half-lapped rail; D1D · Door 1 half-lapped rail

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation

Before you begin: Make supported repeated cuts with the tool's guarded fixture; do not hold a short end at a moving cutter.



Cut the door-frame half-laps

1. A half-lap removes half the thickness from two crossing pieces so they overlap flush. Start from the original door-frame blanks and transfer the actual 1 1/2 in (38.1 mm) corner width.

2. Remove the REAR half at both ends of each stile and the FRONT half at both ends of each rail. The reference depth is 3/4 in (19.05 mm); trial the actual stock so the combined joint stays 1 1/2 in (38.1 mm) thick.

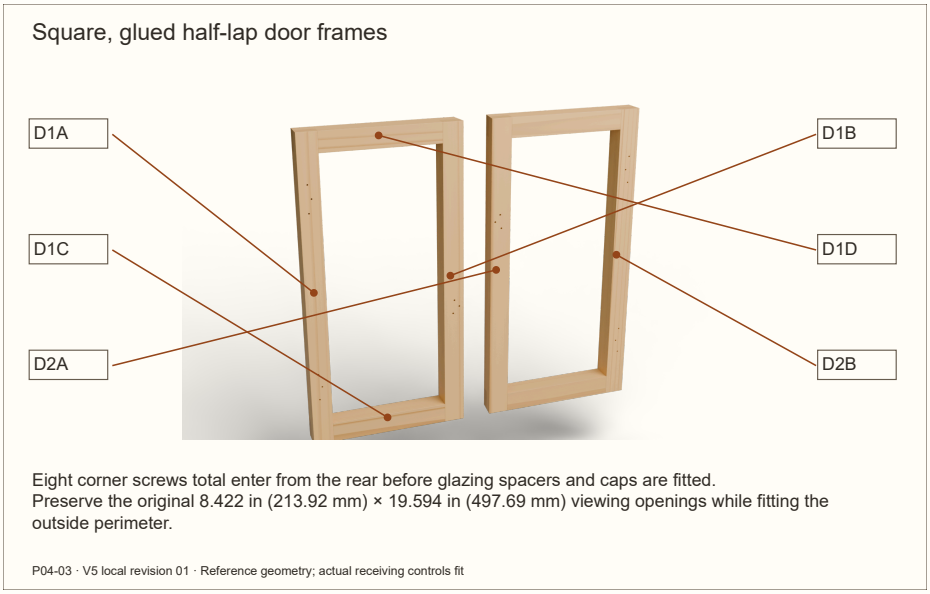
3. Dry-fit both frames square with their original viewing openings retained. Label all four corners and do not reverse the shoulder faces.

Check before continuing: Each lap seats flat with no rocking or forced shoulder gap.

OP17 · Glue and fasten both door frames

Parts: D1A · Door 1 half-lapped stile; D1B · Door 1 half-lapped stile; D1C · Door 1 half-lapped rail; D1D · Door 1 half-lapped rail; D2A · Door 2 half-lapped stile; D2B · Door 2 half-lapped stile

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Glue and fasten both door frames

1. Glue the bare half-lap faces, clamp each frame flat and compare diagonals. Keep the inner opening datums unchanged.

2. Install the eight DOOR-LAP #8 × 1 1/4 in (31.75 mm) screws from the rear at the scheduled corner stations, with clearance through the rear member and a stopped pilot in the front member.

3. Remove squeeze-out from the future pane contact area. Check flatness again before the glue sets.

Check before continuing: Both square frames have fully seated joints and buried tips.

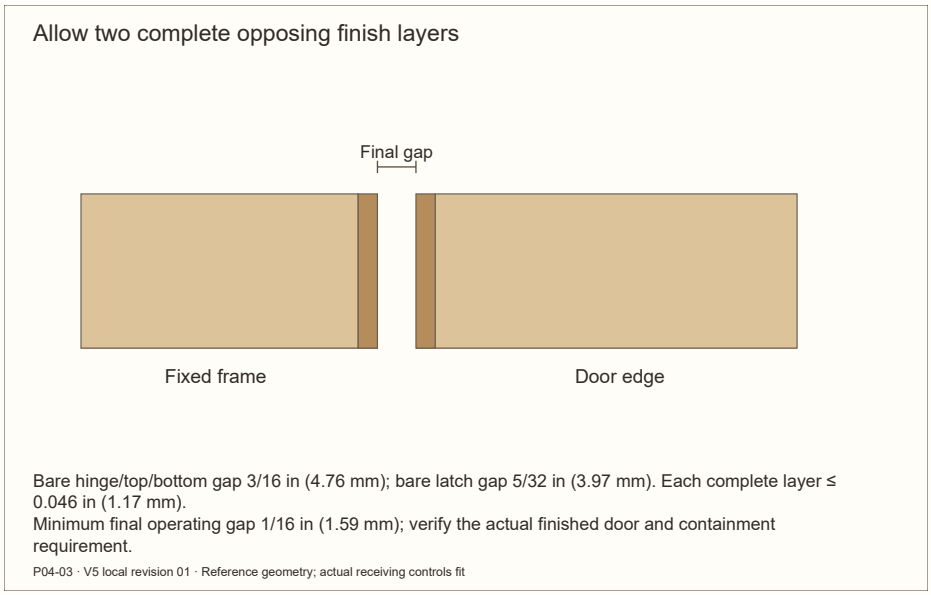
Required wait: Keep the specified clamps and no-stress wait; do not machine or hang an uncured joint.

OP18 · Fit bare door gaps for the complete veneer

Parts: D1A · Door 1 half-lapped stile; D1B · Door 1 half-lapped stile; D1C · Door 1 half-lapped rail; D1D · Door 1 half-lapped rail; F05 · Front centre stile

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation

Before you begin: Do not simply veneer the source 1/8 in (3.18 mm) gaps; they have inadequate allowance.



Fit bare door gaps for the complete veneer

1. After curing, trim each original door by 1/16 in (1.59 mm) at its hinge edge and top/bottom, and 1/32 in (0.79 mm) at its latch edge. Preserve the original viewing opening and rear glazing datums.

2. Reference finished bare leaves are 11.32825 in (287.74 mm) wide × 22.469 in (570.71 mm) high. Fit to the actual frame: 3/16 in (4.76 mm) bare hinge/top/bottom gaps and 5/32 in (3.97 mm) bare latch gaps.

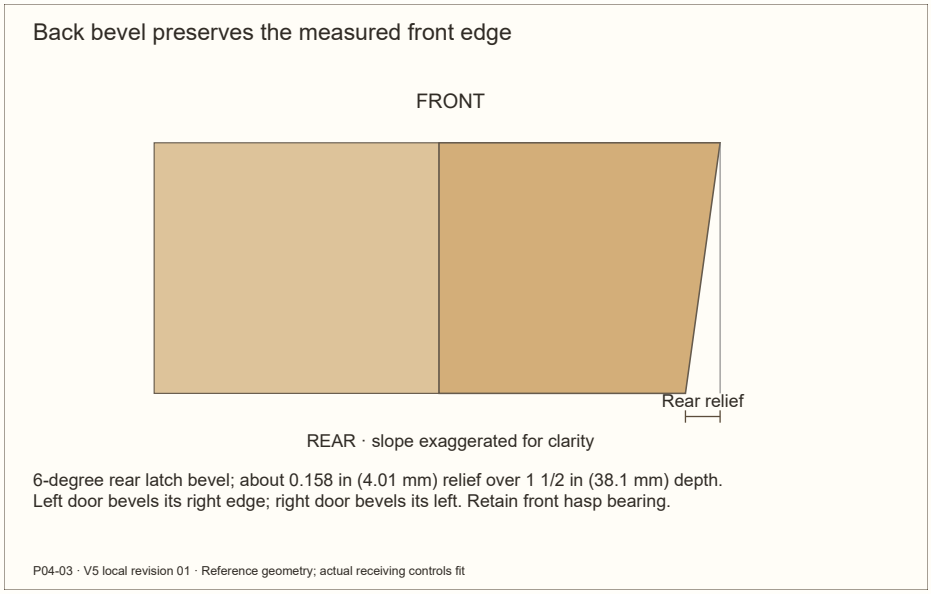
3. Two maximum 0.046 in (1.17 mm) opposing layers leave at least 0.06425 in (1.63 mm) at the latch. After full cure, verify every actual gap is at least 1/16 in (1.59 mm) and agrees with the species containment decision.

Check before continuing: Bare gaps allow the complete received finish without losing the viewing opening.

OP19 · Bevel the rear latch edges

Parts: D1B · Door 1 half-lapped stile; D2A · Door 2 half-lapped stile

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Bevel the rear latch edges

1. A back bevel slopes the rear edge inward while preserving the front edge. Set a trial 6-degree bevel on the LEFT door’s right edge and the RIGHT door’s left edge.

2. Over the 1 1/2 in (38.1 mm) depth this removes about 0.158 in (4.01 mm) at the rear. Keep the front measurement, half-lap fit, hasp bearing face and pane spacer datums intact.

3. Dry-swing the supported leaves on the accepted hardware. Cover the bevel with its own veneer strip later; do not wrap a thick piece around a sharp corner.

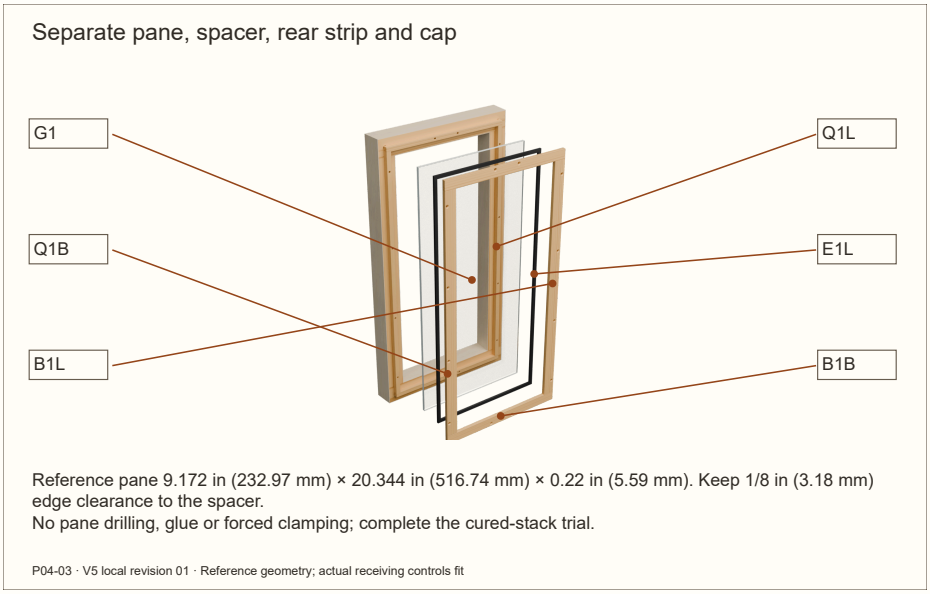
Check before continuing: Both latch edges clear through opening without shortening the front face.

OP20 · Make the spacers, caps and acrylic panes

Parts: Q1L · Door 1 separate spacer L; Q1R · Door 1 separate spacer R; B1L · Door 1 separate flat cap L; B1R · Door 1 separate flat cap R; G1 · Door 1 OPTIX pane

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation

Before you begin: Do not use an incompatible cleaner, flame finishing or an unsupported cut that cracks acrylic.



Make the spacers, caps and acrylic panes

1. Cut Q1/Q2 spacer strips from 3/8 in (9.53 mm) square poplar and B1/B2 caps from 1/4 in (6.35 mm) pine lattice. Keep the left/right/top/bottom IDs; the vertical caps are 7/8 in (22.23 mm) wide and horizontal caps 3/4 in (19.05 mm) wide.

2. Each reference acrylic pane is 9.172 in (232.97 mm) wide × 20.344 in (516.74 mm) high × 0.22 in (5.59 mm) thick. Confirm the actual spacer opening and 1/8 in (3.18 mm) edge allowance before final cutting.

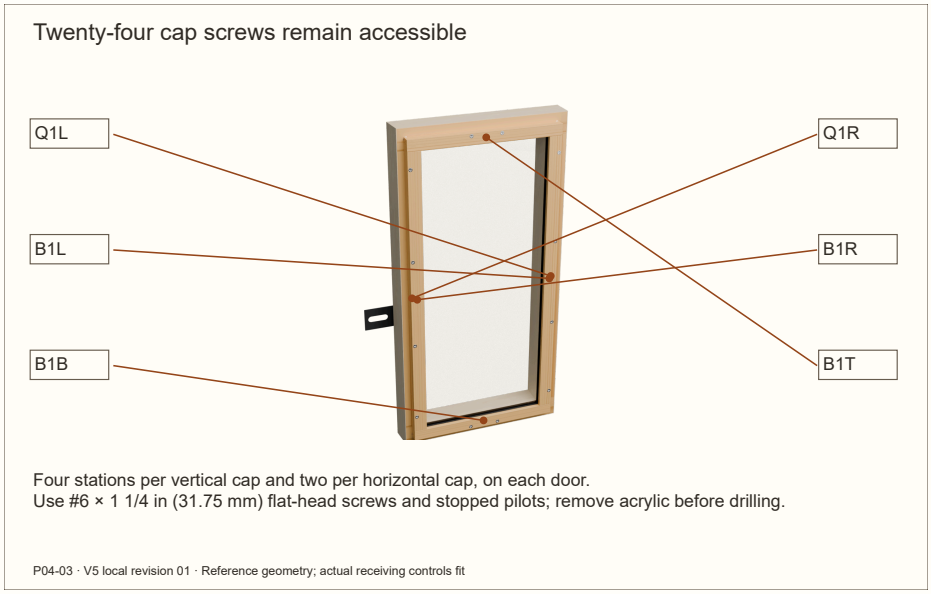
3. Keep the protective masking, use the acrylic maker’s supported cutting method and clean debris with compatible products. No screw hole is drilled through the pane.

Check before continuing: Both panes fit freely within their dry spacer frames.

OP21 · Drill and trial the glazing cap stations

Parts: Q1L · Door 1 separate spacer L; Q1R · Door 1 separate spacer R; B1L · Door 1 separate flat cap L; B1R · Door 1 separate flat cap R; B1B · Door 1 separate flat cap B; B1T · Door 1 separate flat cap T

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Drill and trial the glazing cap stations

1. Lay the door flat and supported, rear upward. Dry-fit the spacers, actual pane and accepted rear EPDM strips. Fit caps onto the wood spacer faces.

2. Transfer the 24 GLAZE #6 × 1 1/4 in (31.75 mm) stations: four on each vertical cap, two on each horizontal cap. Drill with the pane removed; countersink only the wood cap.

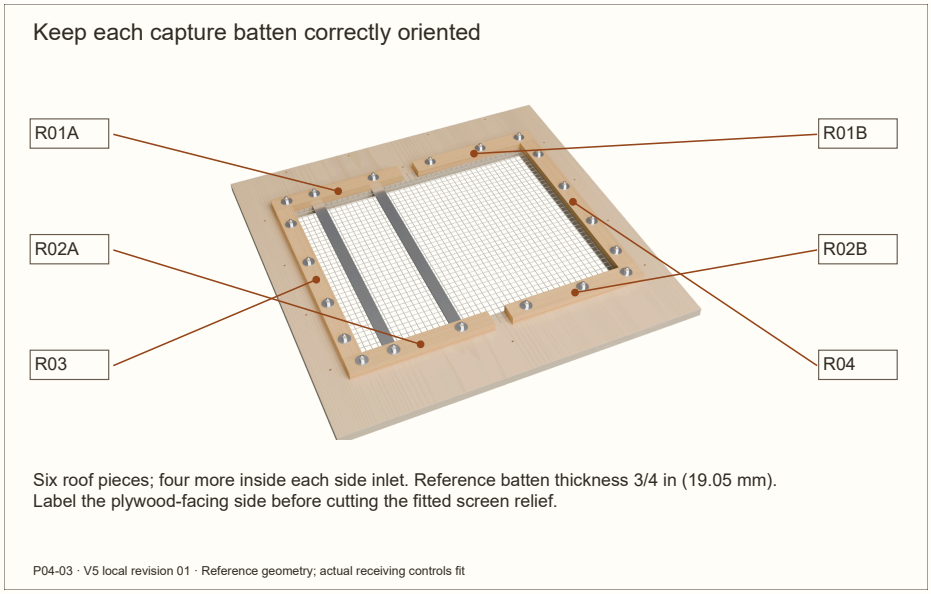
3. Trial fit without glue. The cap should stop on its spacer with light cushion contact, a free pane edge and no bow; then label and remove the parts for later finishing.

Check before continuing: Caps are accessible and pane removal does not depend on cutting glue.

OP22 · Cut the roof and side screen battens

Parts: R01A · Roof edge-capture batten; R01B · Roof edge-capture batten; R03 · Roof edge-capture batten; V1B · Side inlet capture batten; V1F · Side inlet capture batten

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Cut the roof and side screen battens

1. Cut six roof battens and four battens per side from 3/4 in (19.05 mm) pine. A batten is a narrow strip that traps the screen edge against the case.

2. Keep R01A/R02A beside the left steel support bay, R01B/R02B beside the right bay, and R03/R04 at the sides. Preserve the centre split around C11.

3. Dry-fit every batten against its own opening and mark the face toward the plywood. That face receives the controlled screen recess in the next operation.

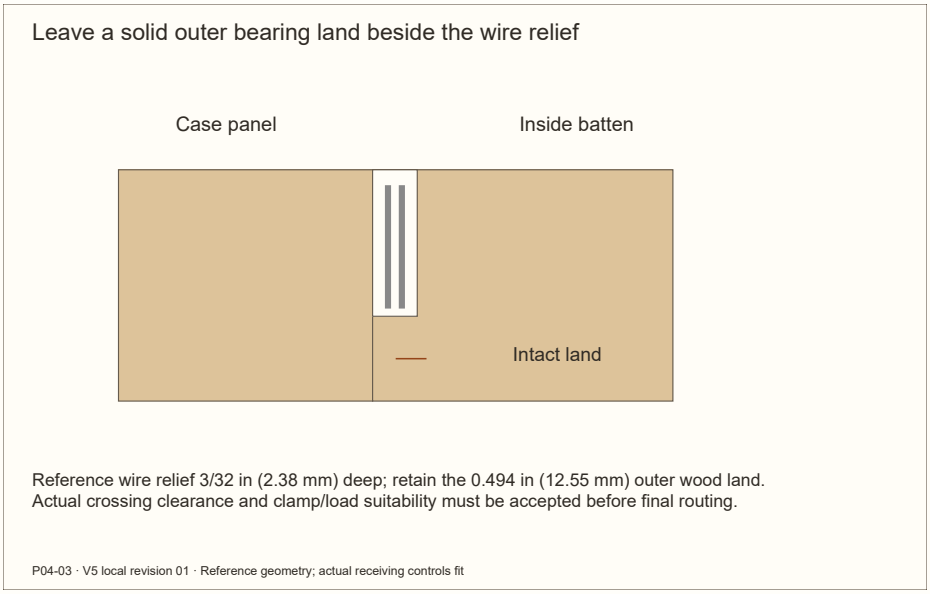
Check before continuing: All capture pieces have the correct side, orientation and overlap.

OP23 · Recess the screen while retaining wood bearing

Parts: R01A · Roof edge-capture batten; R03 · Roof edge-capture batten; V1B · Side inlet capture batten; V1F · Side inlet capture batten; C11 · Solid central roof rib

Tools / setup: Stopped router or suitable milling setup, clamps, backer, caliper and actual mesh

Before you begin: Do not route away the bearing land or assume a reference pocket proves clamp strength.



Recess the screen while retaining wood bearing

1. A recess is a shallow pocket. On the plywood-facing side of each batten, relieve the screen footprint to the accepted actual crossing thickness; the reference depth is 3/32 in (2.38 mm).

2. Keep the outer 0.494 in (12.55 mm) reference land intact. That land bears on the plywood; the recessed zone contains the wire without using the screws to crush welds. The reference edge relief is 0.006 in (0.15 mm).

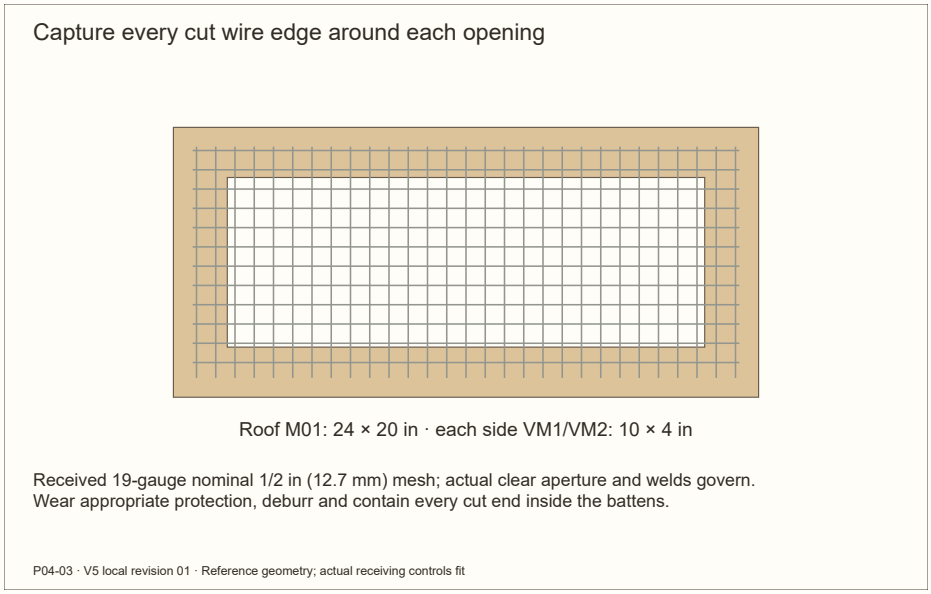
3. Fit C11’s own mesh relief and the roof’s steel pockets separately. Trial actual wire and plywood before repeating the routing on final battens.

Check before continuing: Wood lands seat fully and the screen remains captured with no sharp loose edges.

OP24 · Cut and contain the three screens

Parts: M01 · Roof screen blank; VM1 · Side inlet screen blank; VM2 · Side inlet screen blank

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Cut and contain the three screens

1. Cut roof M01 at 24 in (609.6 mm) × 20 in (508 mm) and side VM1/VM2 at 10 in (254 mm) × 4 in (101.6 mm), using the accepted received cloth and eye/hand protection.

2. Deburr and keep every cut wire edge within the batten capture footprint. Do not leave pointed ends projecting into an animal or maintenance path.

3. Register the grid to the drilling drawing. The 1/2 in (12.7 mm) centre spacing and 0.041 in (1.04 mm) wire are modeling references; measure the actual grid, welds and clear aperture before drilling.

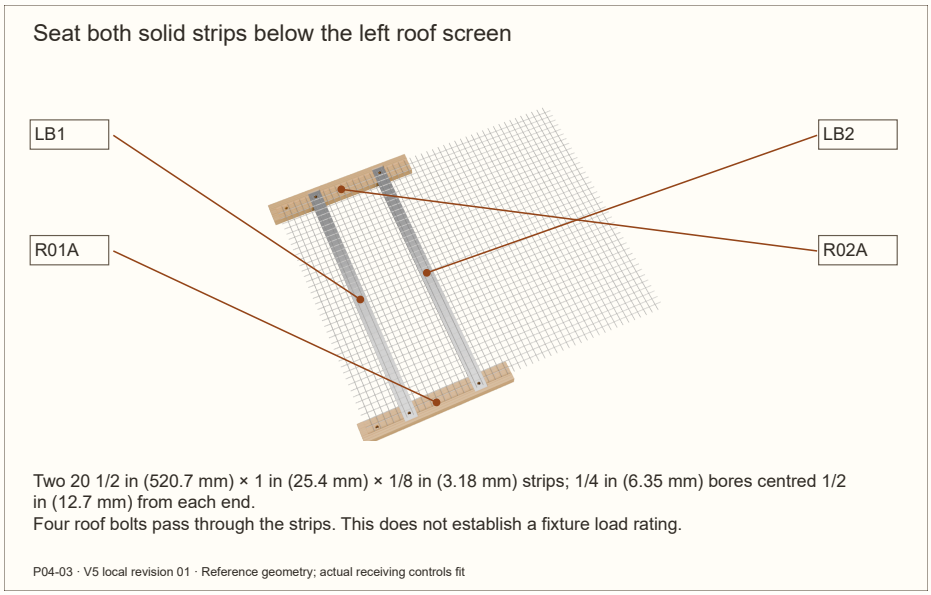
Check before continuing: All screen edges are safely captured and the actual grid registration is recorded.

OP25 · Cut, deburr and seat the two steel strips

Parts: LB1 · Steel strip below left lamp area; LB2 · Steel strip below left lamp area; R01A · Roof edge-capture batten; R02A · Roof edge-capture batten

Tools / setup: Supported metal-cutting setup, clamped drill, file, caliper and eye protection

Before you begin: A strip and a geometric fixture fit do not establish a load or temperature rating.



Cut, deburr and seat the two steel strips

1. Cut each solid steel strip 20 1/2 in (520.7 mm) long × 1 in (25.4 mm) wide × 1/8 in (3.18 mm) thick. The legacy product URL contains “Slotted”, but the selected 11653 stock is solid flat bar.

2. Clamp and drill two 1/4 in (6.35 mm) bores per strip, centred across its width and 1/2 in (12.7 mm) from each end. Deburr both faces and ends completely.

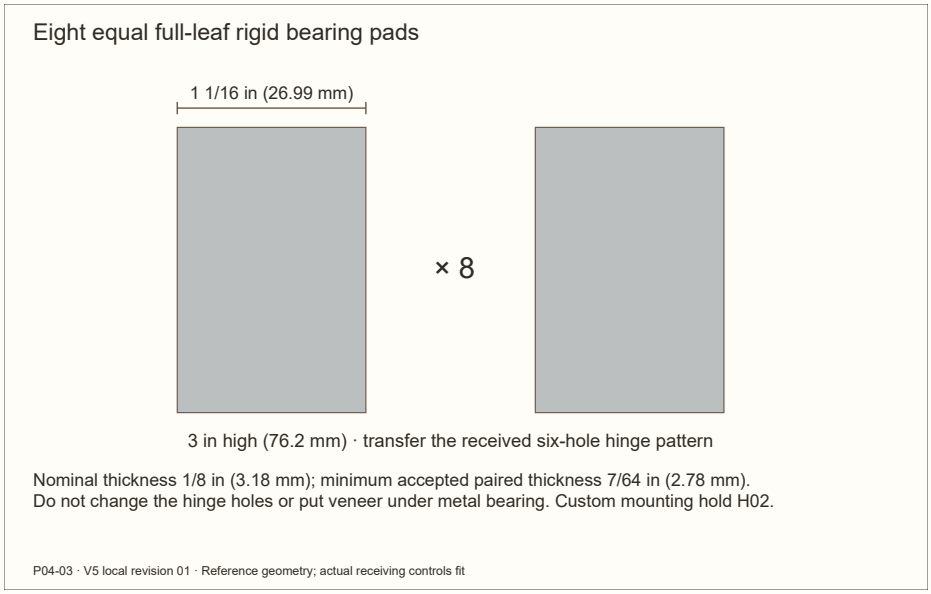
3. Fit the strip ends into the matching front/rear roof pockets. Their original absolute support centres remain 6 1/4 in (158.75 mm) and 11 3/4 in (298.45 mm) from LEFT; all four roof fixing axes must pass freely.

Check before continuing: Both strips seat fully with four matching axes and no sharp corners.

OP26 · Make eight matched hinge bearing pads

Parts: SP-H1-1-fixed · Rigid full-leaf bearing pad H1-1 fixed; SP-H1-1-moving · Rigid full-leaf bearing pad H1-1 moving

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Make eight matched hinge bearing pads

1. Cut eight 3 in (76.2 mm) × 1 1/16 in (26.99 mm) pads from solid nominal 1/8 in (3.18 mm) aluminium. Keep matched pairs; minimum accepted actual thickness is 7/64 in (2.78 mm).

2. Deburr all edges, check flatness and transfer the received hinge holes. Use clearance holes through the pads; do not change the hinge holes.

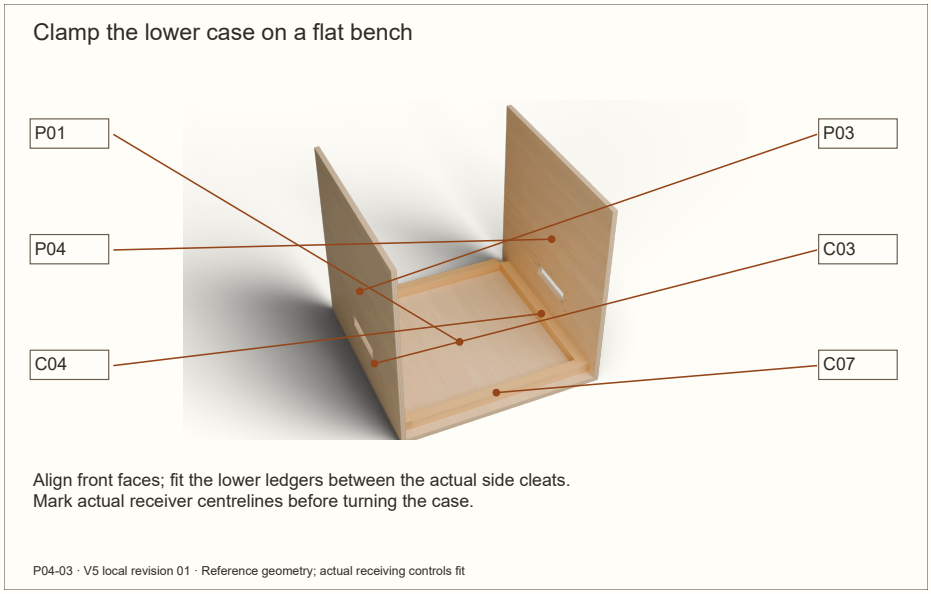
3. Trial full metal-to-bare-wood bearing without bridging any door gap. Keep adhesive and veneer out of these seats. Custom mounting strength and corrosion suitability require H02 acceptance.

Check before continuing: Every pad pair matches and the actual screws seat correctly.

OP27 · Dry-fit the floor, sides and lower supports

Parts: P01 · Continuous floor; P03 · Left side with lower inlet; P04 · Right side with lower inlet; C03 · Solid side bearing cleat; C04 · Solid side bearing cleat; C07 · Solid front/back ledger; C08 · Solid front/back ledger

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Dry-fit the floor, sides and lower supports

1. On a padded flat bench, position the sides on the floor and place the lower side cleats and front/rear ledgers between the named members.

2. Clamp without pulling a bowed panel into alignment. Check both front datums, side height chains and the 30 in (762 mm) bare width/depth.

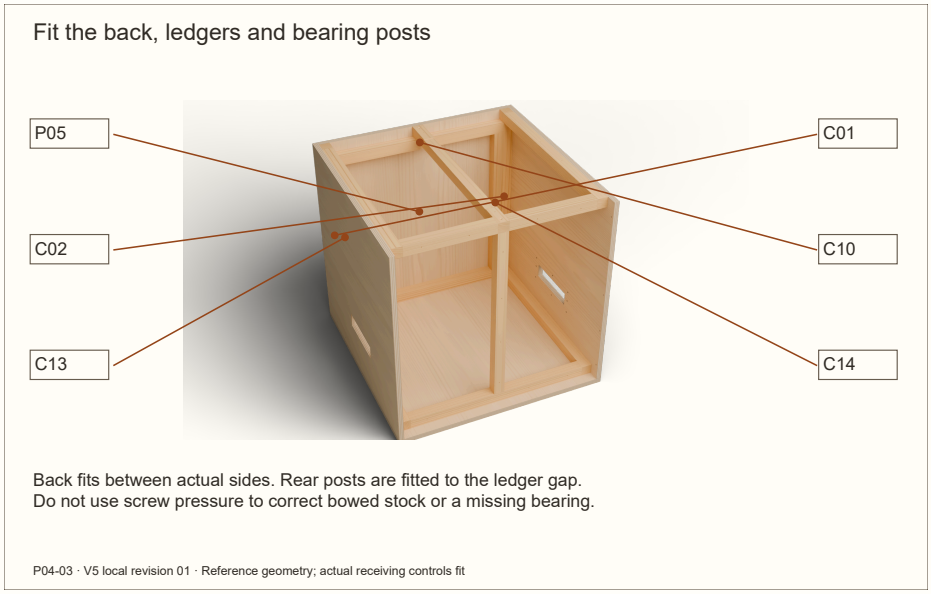
3. Mark the actual receiver centre lines from inside. Use the current station drawing for the exterior drill direction and retain those labels during turning.

Check before continuing: The dry lower case sits level and the cleat/ledger joints contact correctly.

OP28 · Fit the back and bearing posts

Parts: P05 · Back; C01 · Solid rear corner cleat; C02 · Solid rear corner cleat; C10 · Solid front/back ledger; C12 · Solid centre bearing post; C13 · Rear ledger bearing post; C14 · Rear ledger bearing post

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Fit the back and bearing posts

1. Fit P05 between the sides against C01/C02. Fit the rear ledger C10 and its two fitted bearing posts C13/C14.

2. Seat centre support C12 on the front lower ledger. Position the split top-front cleats and C11 rib so its front end bears on C12 and rear end on C10.

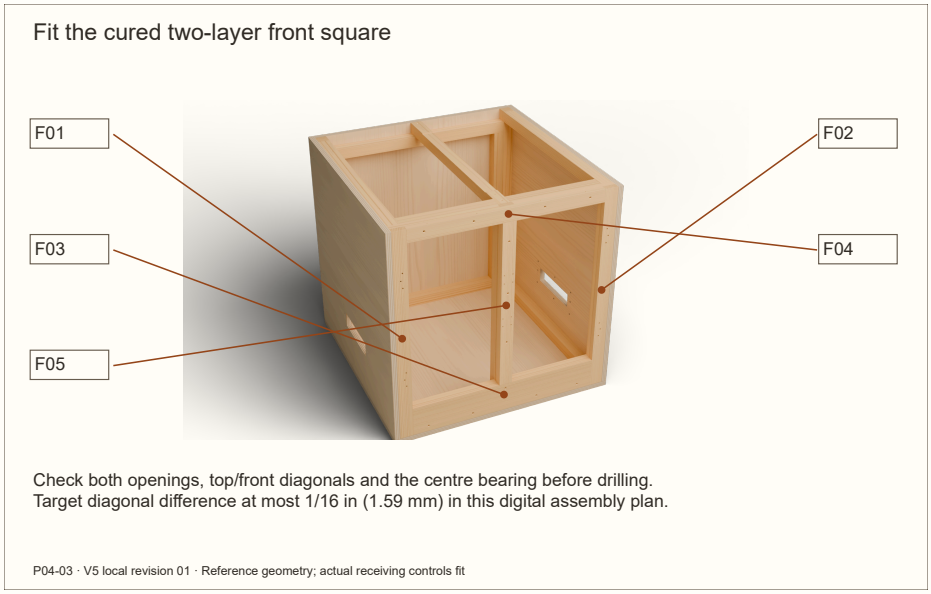
3. Check every bearing face with a light behind the joint and compare the case diagonals. Resolve rocking, bow or a gap before drilling.

Check before continuing: The roof rib has continuous intended bearing at both ends.

OP29 · Install the cured fixed front frame

Parts: F01 · Front outer stile; F02 · Front outer stile; F03 · Front sill; F04 · Front header; F05 · Front centre stile; F06 · Rear centre stile

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Install the cured fixed front frame

1. Clamp the cured two-layer frame into the open front with the designated outer faces flush.

2. Check both door openings and the centre support alignment. Compare front and top diagonals; use a 1/16 in (1.59 mm) maximum difference as the assembly target before drilling.

3. Rehearse removal and fitting of the roof and both doors. Do not hide a skewed case by changing one leaf or tightening an opposing screw.

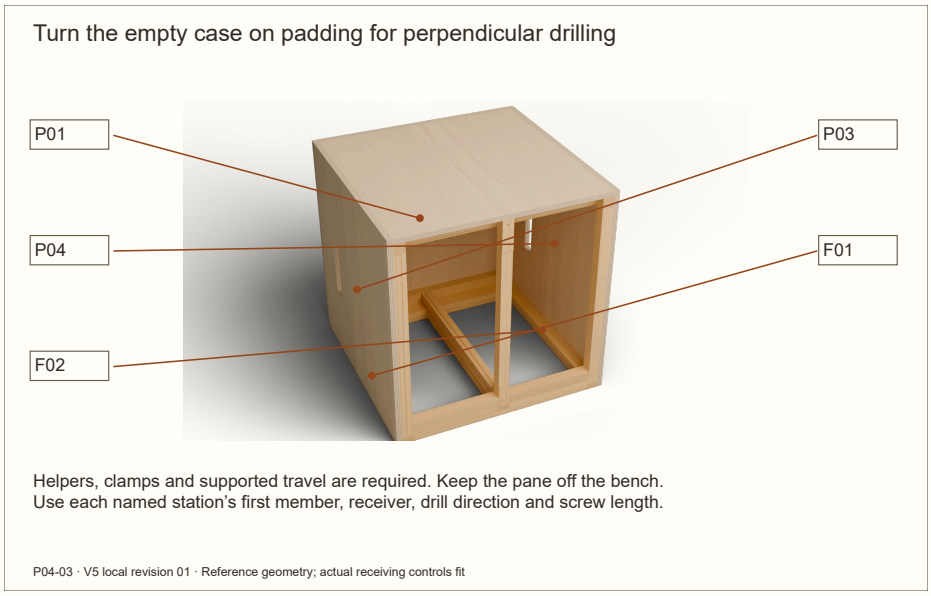
Check before continuing: The front remains flat, square and aligned with the actual support members.

OP30 · Drill and screw the case in the planned order

Parts: P01 · Continuous floor; P03 · Left side with lower inlet; P04 · Right side with lower inlet; P05 · Back; F03 · Front sill

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation

Before you begin: The workshop schedule distinguishes every screw length and direction; do not substitute by appearance.



Drill and screw the case in the planned order

1. With help, turn the EMPTY clamped assembly onto padding as needed to drill perpendicular to the actual faces. Keep panes and loose hardware off the bench.

2. Follow each named station group: side cleats/back/front, back corners/ledgers, front ledgers/centre, floor side/ledger, rear posts and rib. Clear the first member and stop the pilot in its actual receiver.

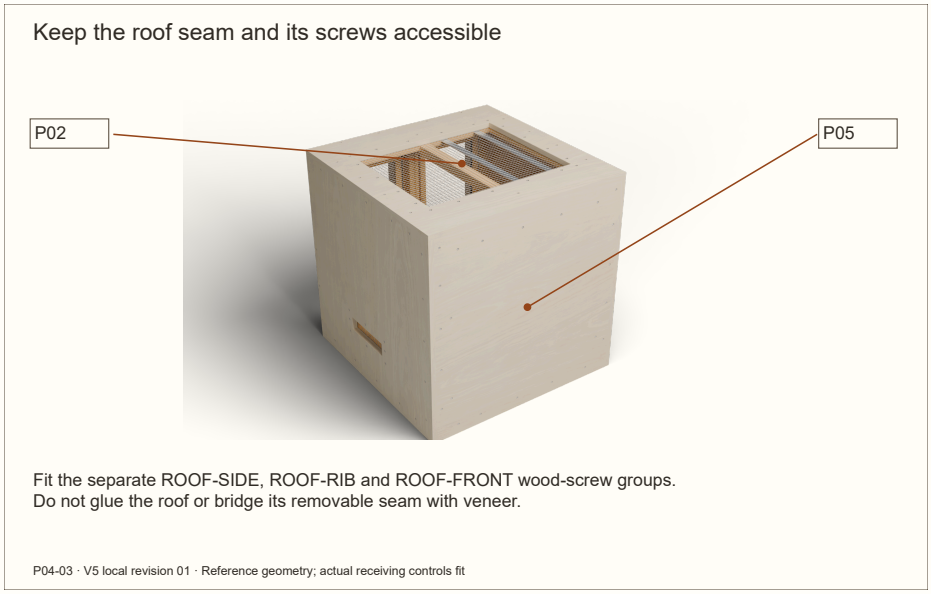
3. Install the specified #8 × 1 3/4 in (44.45 mm) or #8 × 2 1/2 in (63.5 mm) screw at that station. Check squareness as you tighten; use hand control for final seating. Preserve the removable roof.

Check before continuing: All case stations match their named receivers, with no split wood or exposed tips.

OP31 · Trial the roof as a removable assembly

Parts: P02 · Roof with upper exhaust; C05 · Solid side bearing cleat; C06 · Solid side bearing cleat; C11 · Solid central roof rib

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Trial the roof as a removable assembly

1. Place the roof on the dry case and transfer the ROOF-SIDE, ROOF-RIB and ROOF-FRONT station groups from the actual supports.

2. Use the specified #8 × 1 3/4 in (44.45 mm) screws, with clear roof holes, controlled head seats and stopped receiver pilots. Check the panel is flat without forcing it down.

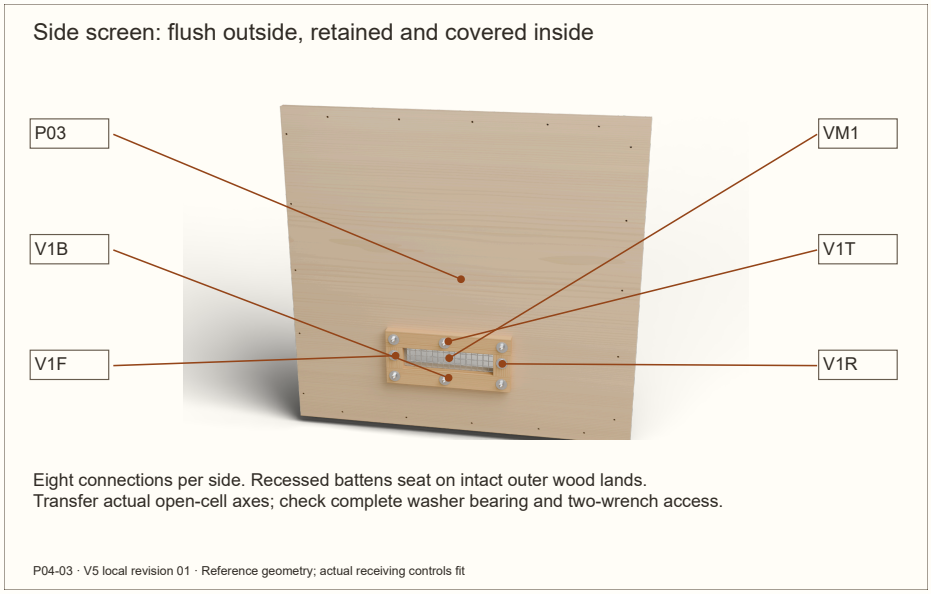
3. Remove the roof again for screen work. Do not glue it to the case, and keep later veneer pieces separate at this service seam.

Check before continuing: The roof can be lifted away after its accessible screws are removed.

OP32 · Transfer side screen axes through open wire cells

Parts: P03 · Left side with lower inlet; VM1 · Side inlet screen blank; V1B · Side inlet capture batten; V1T · Side inlet capture batten; V1F · Side inlet capture batten; V1R · Side inlet capture batten

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Transfer side screen axes through open wire cells

1. With the side accessible and supported, seat the actual screen and four recessed inside battens on their intact wood lands.

2. Transfer the eight axes per side from the current drawing and actual grid. Keep every 1/4 in (6.35 mm) bore clear of wires and welds; do not cut a wire to force alignment.

3. Check a full 1 in (25.4 mm) inside washer bearing circle and room for the actual locknut, cover and driver/socket. Record any required change before repeating on the other side.

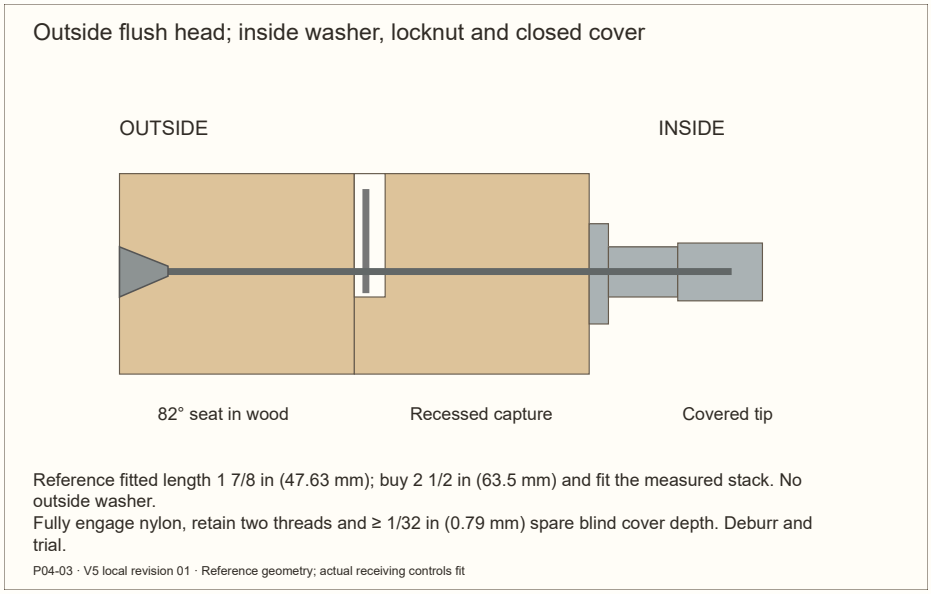
Check before continuing: All 16 side stations pass through open cells with full wood and washer bearing.

OP33 · Fit flush heads and covered inside side fixings

Parts: P03 · Left side with lower inlet; V1B · Side inlet capture batten; VM1 · Side inlet screen blank

Tools / setup: Stopped drill/countersink, caliper, thread-matching nut, metal-cutting/deburring tools, driver and two suitable wrenches

Before you begin: Do not bottom the closed cover, crush wire or use an untested torque value. Resolve H03 before dependent installation.



Fit flush heads and covered inside side fixings

1. Drill through the supported stack, remove the metal/mesh and form only the outside 82-degree wood seat. Test the actual head at the bare wood plane with no outside washer.

2. Refit screen and battens. Inside, fit one washer and nylon-insert locknut per bolt, then a closed metal cover over the remaining thread.

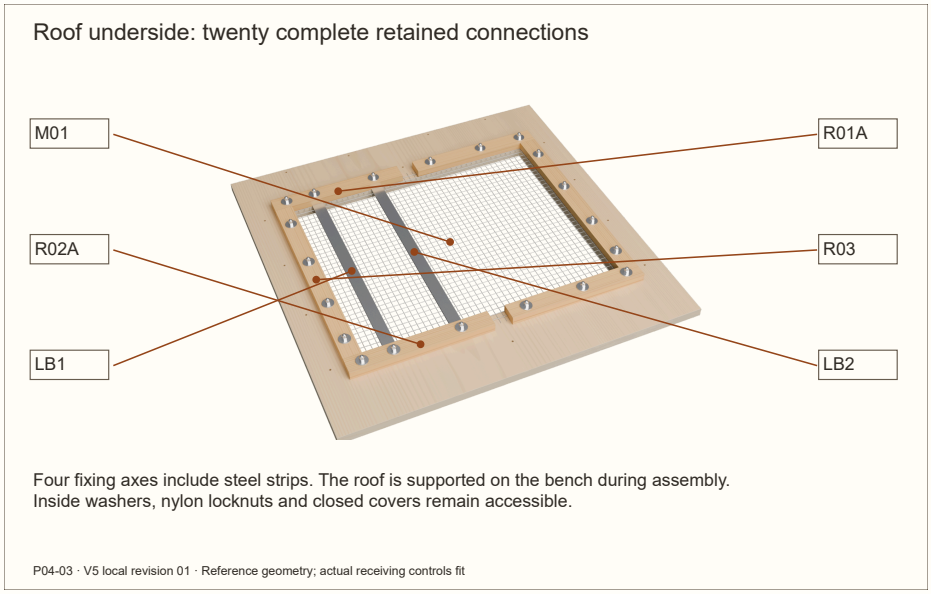
3. Purchase 2 1/2 in (63.5 mm) bolts and fit to the actual stack. The reference final length here is 1 7/8 in (47.63 mm). Fully engage the nylon, leave at least two complete threads beyond it, and retain at least 1/32 in (0.79 mm) spare blind cover depth after deburring.

Check before continuing: Wood lands seat, outer heads are flush and all inside thread ends remain covered.

OP34 · Assemble the roof screen and steel supports

Parts: P02 · Roof with upper exhaust; M01 · Roof screen blank; R01A · Roof edge-capture batten; R01B · Roof edge-capture batten; R03 · Roof edge-capture batten; LB1 · Steel strip below left lamp area; LB2 · Steel strip below left lamp area

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Assemble the roof screen and steel supports

1. Support the roof upside down. Fit the two deburred steel strips in their own pockets, the screen against the roof underside and all six recessed battens.

2. Transfer all 20 axes through the actual grid and receiver lands. Four also pass through the steel bores. Confirm the central rib relief will clear when the roof returns to the case.

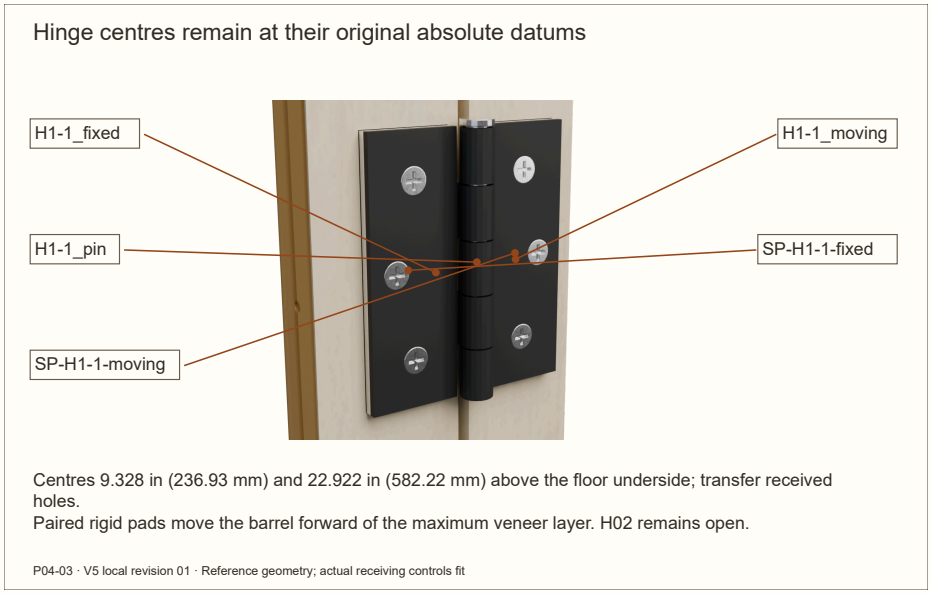
3. Use the same flush-outside and retained-covered-inside fixing sequence, with received-stack bolt fitting. Check the underside from every approach for wrench access and sharp ends.

Check before continuing: The roof assembly is square, independently removable and has 20 complete inside-covered connections.

OP35 · Hang and align the supported bare doors

Parts: H1-1_fixed · 1798A21 fixed leaf with knuckles; H1-1_moving · 1798A21 moving leaf with knuckles; D1A · Door 1 half-lapped stile; F01 · Front outer stile

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Hang and align the supported bare doors

1. Keep the original hinge centres at 9.328 in (236.93 mm) and 22.922 in (582.22 mm) above the floor underside. Do not remeasure the original offset from the newly trimmed door ends.

2. Clamp both leaves at the accepted bare gaps with a helper supporting their weight. Fit matched pads and received hinges to bare seats; transfer and drill the actual 24 #8 × 1 1/4 in (31.75 mm) screw stations.

3. Check that pins align, leaves seat flat and neither door drops or rubs through its supported swing. Remove a misaligned hinge and correct the fit; do not bend it by tightening.

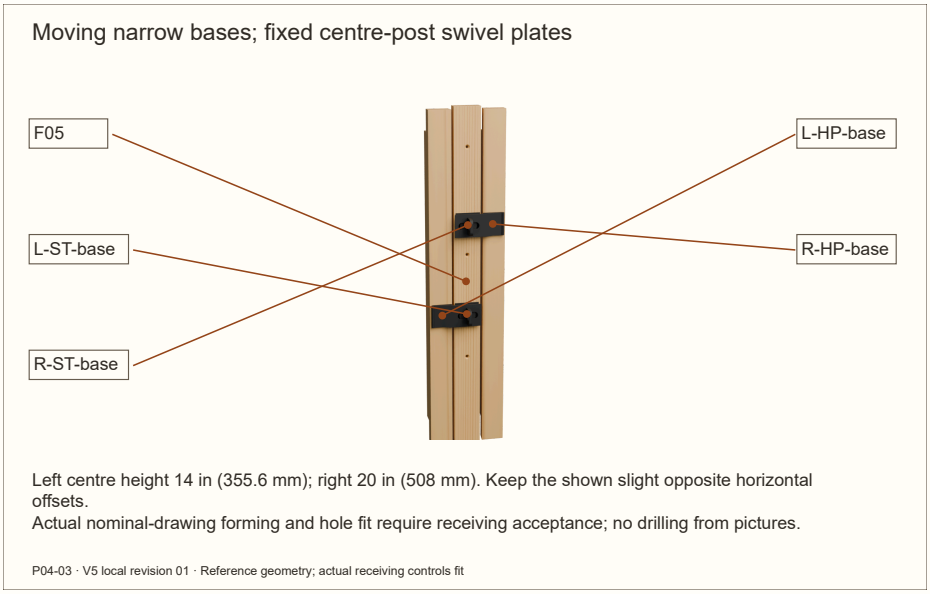
Check before continuing: Both doors swing with sound support, positive gaps and buried screw points.

OP36 · Fit the two independent swivel hasps

Parts: F05 · Front centre stile; L-HP-base · Hasp mounting leaf; L-ST-base · Swivel-staple mounting plate; R-HP-base · Hasp mounting leaf; R-ST-base · Swivel-staple mounting plate

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation

Before you begin: Padlocks are optional and not included. Do not use the drawing as a drill template or force the nominal flap through the swivel.



Fit the two independent swivel hasps

1. Fit the left swivel centre at 14 in (355.6 mm) and right at 20 in (508 mm) above the floor underside. Preserve the small opposite horizontal offsets shown in the drawing; the actual plate footprints and holes govern.

2. Place each narrow hinged base on its MOVING door stile and its square swivel plate on FIXED F05. Use seven received-transferred #10 × 5/8 in (15.88 mm) screws per complete hasp.

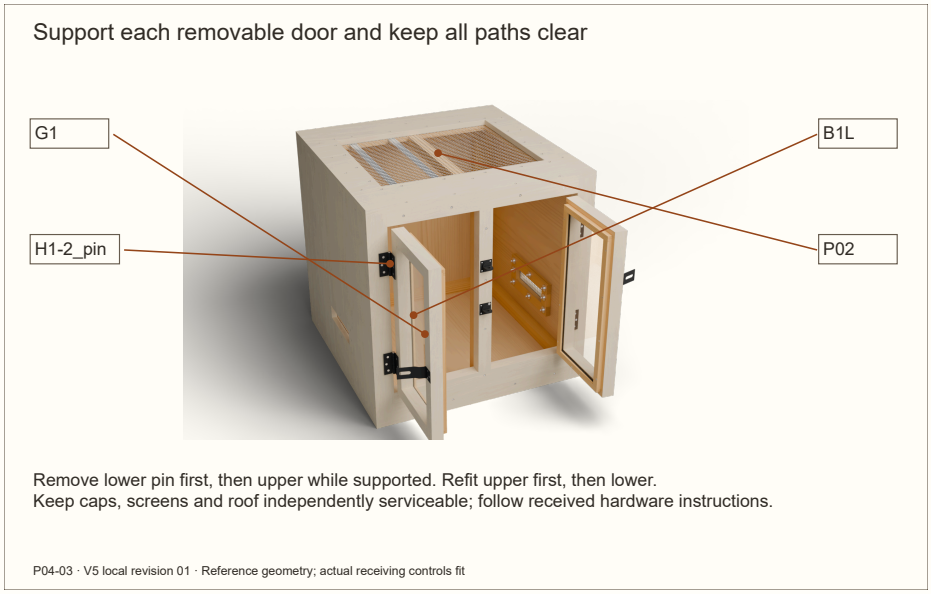
3. Trial the actual complete plates, countersinks and sound edge margins. Turn the swivel to align with the flap slot, lift the flap fully clear, then open that door. Reverse to close by hand.

Check before continuing: Each door latches independently with no key and no unsupported plate or screw.

OP37 · Rehearse pin, pane and roof removal

Parts: H1-2_pin · 1798A21 removable pin reference; G1 · Door 1 OPTIX pane; B1L · Door 1 separate flat cap L; P02 · Roof with upper exhaust

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Rehearse pin, pane and roof removal

1. Support one open door with a helper. Remove the lower hinge pin first, then the upper, following the received hinge instructions and actual tool path. Move the freed leaf forward; never let it hang from one pin.

2. On a padded bench, support the pane, unscrew its rear caps and lift away loose rear strips and pane without prying. Keep the spacers and datums labeled.

3. Remove accessible roof screws and lift the roof clear. Check inward side-batten removal and all tool paths before finishing. Rehang by engaging the upper pin first while supported, then the lower.

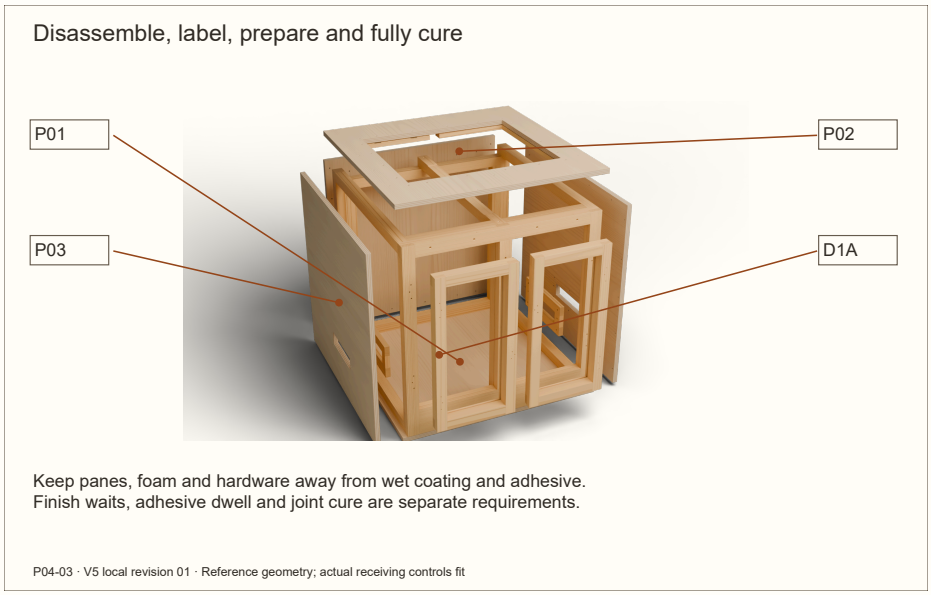
Check before continuing: Every service route works without cutting glue, damaging the pane or forcing a part.

OP38 · Disassemble and prepare the finish surfaces

Parts: P01 · Continuous floor; P02 · Roof with upper exhaust; D1A · Door 1 half-lapped stile; D1B · Door 1 half-lapped stile; G1 · Door 1 OPTIX pane

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation

Before you begin: No wet coating or adhesive may contact the pane or its unbonded strips.



Disassemble and prepare the finish surfaces

1. Label and remove doors, hinges, pads, hasps, panes, foam, screens and removable captures. Keep hardware sets together and protect the acrylic masking.

2. Remove glue residue, lightly sand as required by the coating and veneer instructions and clean all dust with compatible methods. Do not round joint datums or change fitted gaps.

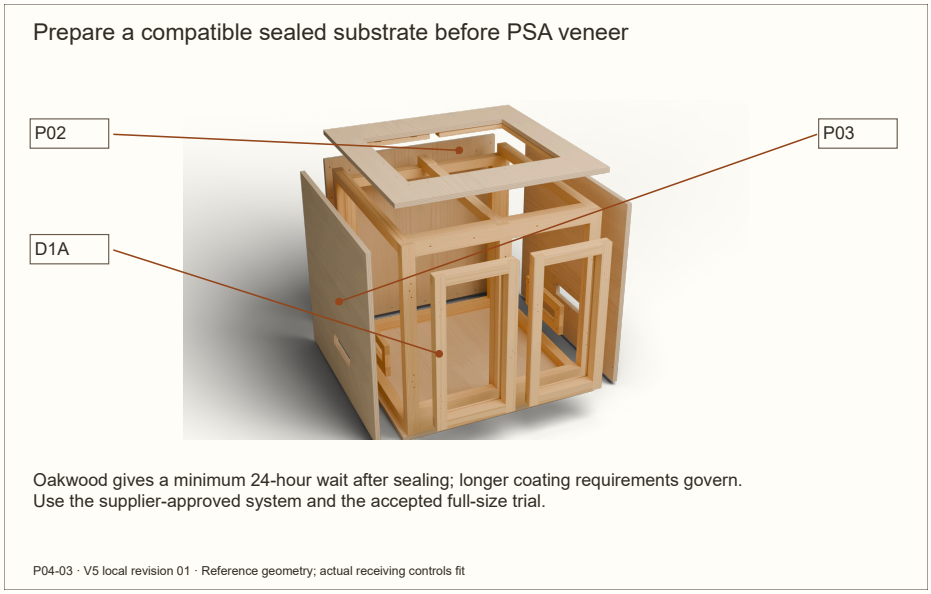
3. Mark bare metal-bearing footprints and service seats. Mask glue/bearing areas where required by the accepted construction and coating system.

Check before continuing: All surfaces are clean, labeled and ready for the accepted finish system.

OP39 · Seal the veneer substrate and wait

Parts: P02 · Roof with upper exhaust; P03 · Left side with lower inlet; D1A · Door 1 half-lapped stile

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Seal the veneer substrate and wait

1. Follow the accepted PSA veneer supplier’s porous-substrate preparation. Oakwood’s guide calls for sealing porous wood before its PSA application.

2. Use the approved compatible sealer/topcoat combination and the thickness already accepted in the full-size trial. Keep metal bearing footprints and fastener service openings free of veneer.

3. Check the surface is flat, clean and fully suitable for adhesion before applying any veneer. A dry-feeling surface alone does not resolve compatibility or cure.

Check before continuing: Supplier-approved surface preparation and the recorded wait are complete.

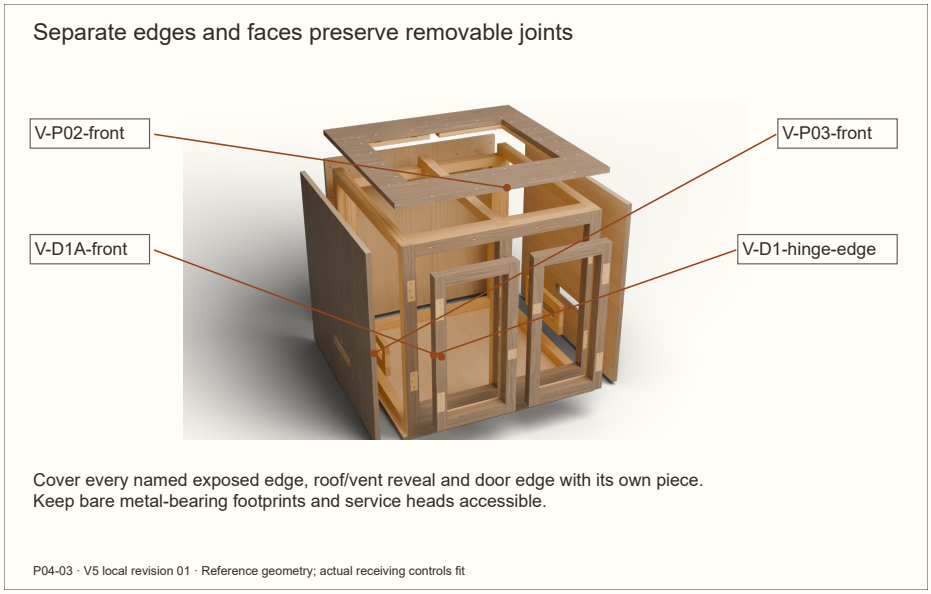
Required wait: Oakwood states at least 24 hours after sealing; a longer coating or supplier requirement still governs.

OP40 · Fit separate veneer pieces to all exposed edges

Parts: P01 · Continuous floor; P02 · Roof with upper exhaust; P03 · Left side with lower inlet; D1A · Door 1 half-lapped stile; D1B · Door 1 half-lapped stile

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation

Before you begin: Use protected hand placement and a supported sharp cutter; never slice toward the hand holding a narrow strip.



Fit separate veneer pieces to all exposed edges

1. Use the grain-oriented rough pieces for roof/floor edges, side front/back edges, roof and vent reveals, fixed door-opening reveals and door edges.

2. Dry-place and label each piece before exposing adhesive. Use separate strips at square corners, the sloped latch edge and each removable seam; do not bridge from roof to side or door to frame.

3. Apply the accepted pressure along the grain, working from the centre outward. Trim in controlled scoring passes on support and ease only sharp veneer arrises.

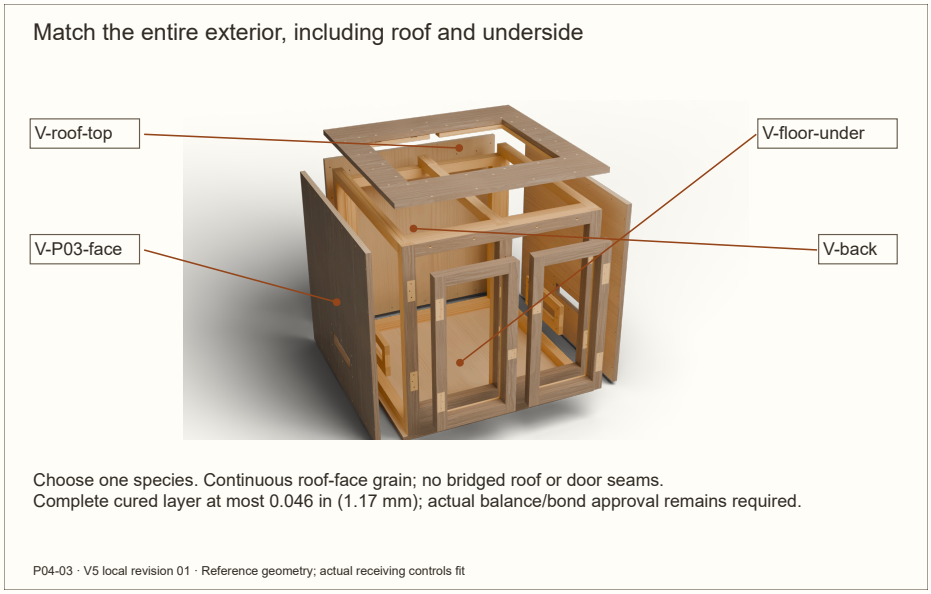
Check before continuing: All visible edges have matching coverage without changing the service seams.

Required wait: Follow the accepted adhesive application and dwell requirements.

OP41 · Cover the roof, underside and exterior faces

Parts: P01 · Continuous floor; P02 · Roof with upper exhaust; P03 · Left side with lower inlet; P04 · Right side with lower inlet; P05 · Back

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Cover the roof, underside and exterior faces

1. Apply the chosen species to the complete roof top, floor underside, side faces, back, fixed front faces and door faces using the assigned grain directions.

2. Keep one continuous roof-face grain layout around its aperture. Keep separate door rails and stiles and fully expose the named hardware seats and service heads.

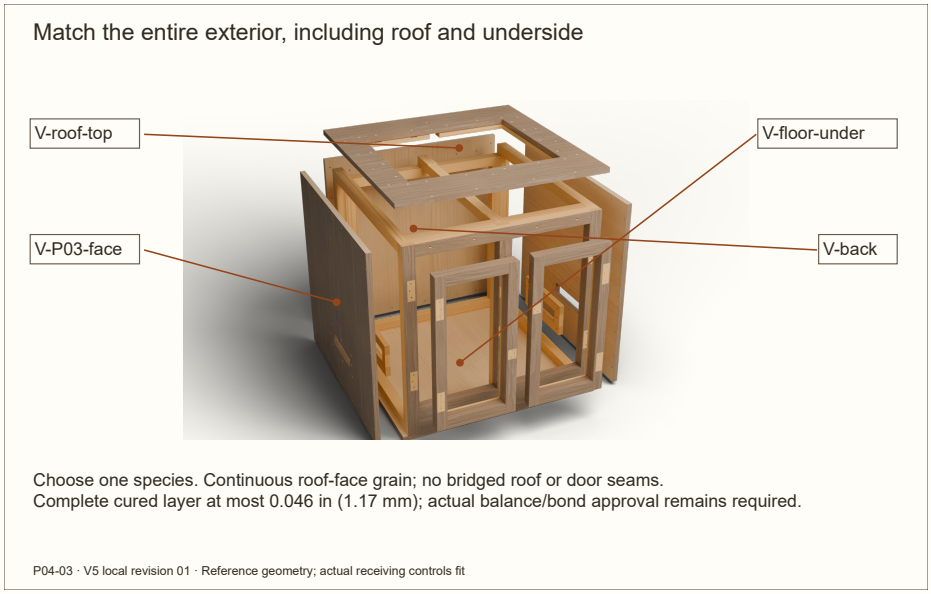
3. Press and trim according to the accepted system. Inspect each corner, opening reveal and underside for exposed plywood, loose edges or a bridged removable joint.

Check before continuing: The exterior looks uniform and the agreed complete layer stays within its fit allowance.

OP42 · Apply the specified clear finish

Parts: P02 · Roof with upper exhaust; P03 · Left side with lower inlet; F05 · Front centre stile; D1A · Door 1 half-lapped stile

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Apply the specified clear finish

1. Use the accepted Varathane Triple Thick water-based satin system in the maker's 60–90°F (15.6–32.2°C) application range and below 85% relative humidity, with required ventilation and protection.

2. Apply the specified coat and film thickness to the intended surfaces; the reference dry film is 0.003 in (0.08 mm). The conservative quantity includes faces, exterior preseal, veneer topcoat and trial reserve.

3. Keep the accepted face balance and avoid pooled finish at gaps, bearing seats and glazing contact areas. An extra coat changes thickness and purchasing allowance; recheck before adding it.

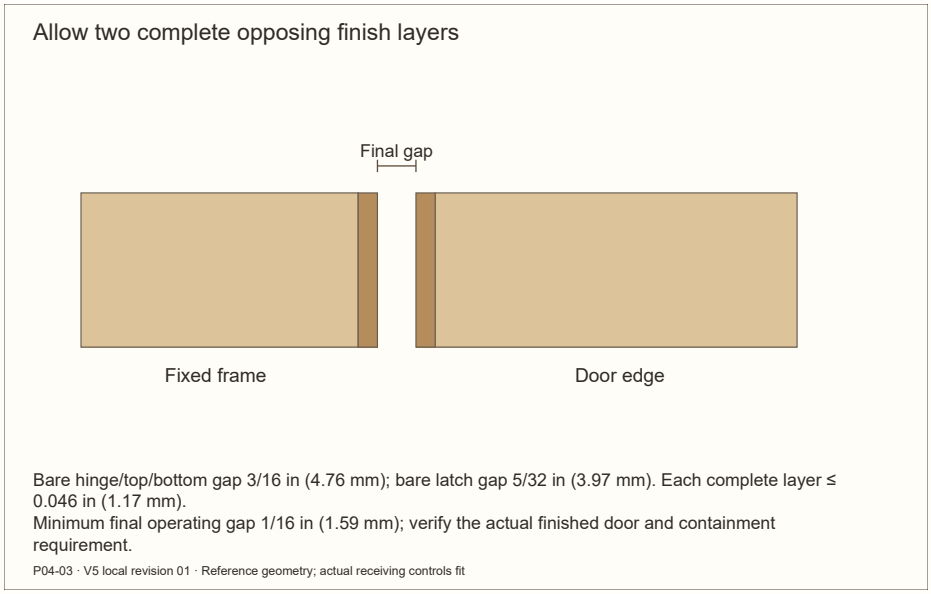
Check before continuing: Finish coverage and conditions are recorded, with no blocked seats or gaps.

Required wait: Maker reference: at least 2 hours before recoating, 48 hours before light use and 7 days to full cure at 70°F (21.1°C)/50% humidity. Cooler or more humid conditions extend times; full cure is required before glazing and use.

OP43 · Inspect cured layers and finish the final fit

Parts: D1A · Door 1 half-lapped stile; D1B · Door 1 half-lapped stile; F05 · Front centre stile; P02 · Roof with upper exhaust

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Inspect cured layers and finish the final fit

1. After the required cure and adhesive dwell, measure the actual complete veneer layer and compare the full-size trial.

2. Dry-fit the doors, pads, hasps, roof and captures. Verify at least 1/16 in (1.59 mm) final door clearance everywhere and record the actual values; verify every covered reveal still admits its intended part.

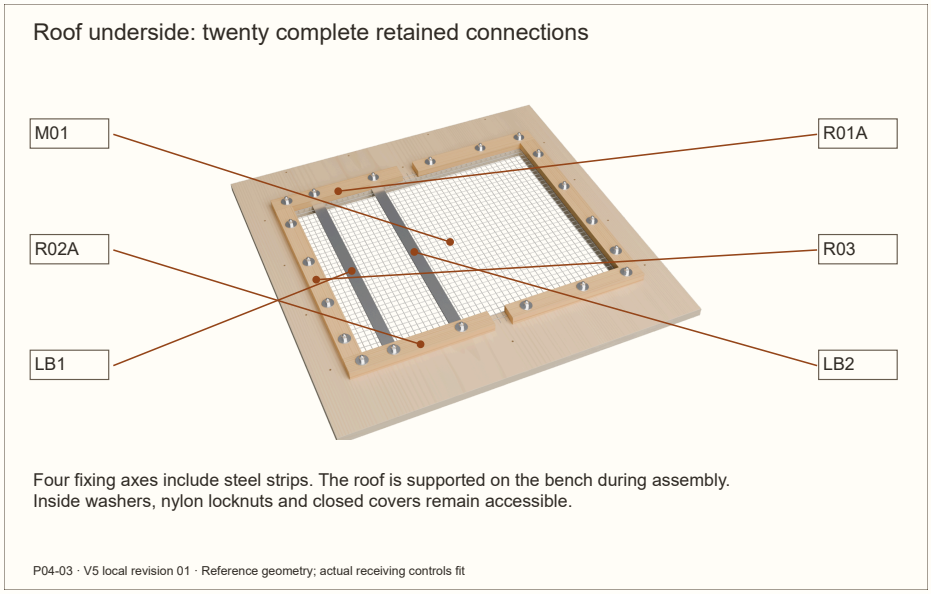
3. If a gap closes, a bond lifts, a face bows or a plate loses bearing, stop and revise the affected geometry. Do not sand through veneer at random or force parts with screws.

Check before continuing: The cured finish and the actual fitted geometry agree.

OP44 · Reinstall screens, supports and roof

Parts: M01 · Roof screen blank; VM1 · Side inlet screen blank; VM2 · Side inlet screen blank; LB1 · Steel strip below left lamp area; LB2 · Steel strip below left lamp area; P02 · Roof with upper exhaust

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Reinstall screens, supports and roof

1. Refit the labeled screens, recessed battens and steel supports on clean wood bearing lands. Keep the received, fitted bolt sets with their original stations.

2. Seat all 36 flush heads, inside washers and nylon locknuts; confirm closed covers have spare blind depth and remain secure. Use the accepted hand-controlled assembly, not an invented torque.

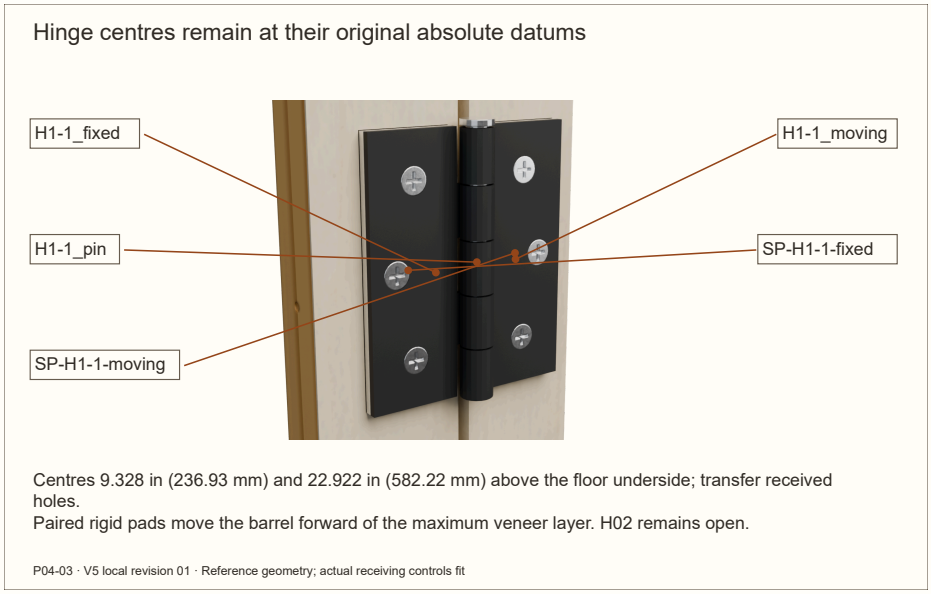
3. Refit the removable roof using its separate wood screws. Verify its panel sits flat, rib relief clears and every service head remains accessible.

Check before continuing: No wire point, projecting outside nut or uncovered inside thread remains.

OP45 · Rehang and operate both finished doors

Parts: H1-1_fixed · 1798A21 fixed leaf with knuckles; H1-1_moving · 1798A21 moving leaf with knuckles; D1A · Door 1 half-lapped stile; D2B · Door 2 half-lapped stile

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Rehang and operate both finished doors

1. Refit the bare bearing pads, hinges and hasps to their received-transferred holes. Support each leaf, insert the upper pin first, then the lower, without hammering a misaligned assembly.

2. Release each swivel and flap completely before moving its door. Open and close each through its intended range alone, then with the other open; check the actual hasp and hand paths.

3. Confirm final gaps, pin extraction space and independent hand-operated latching. Mark any door stop or user handling requirement established by the physical trial.

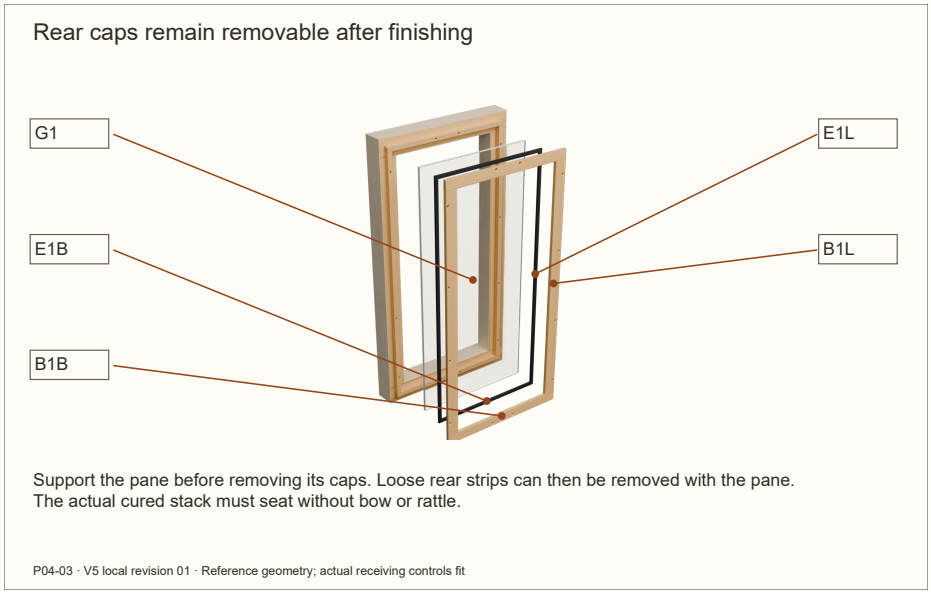
Check before continuing: Both finished doors operate and remain removable without rubbing or force.

OP46 · Fit clean panes, rear strips and removable caps

Parts: G1 · Door 1 OPTIX pane; G2 · Door 2 OPTIX pane; E1L · Door 1 plain EPDM rear cushion L; E1B · Door 1 plain EPDM rear cushion B; B1L · Door 1 separate flat cap L; B1B · Door 1 separate flat cap B

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation

Before you begin: If it bows or rattles, resolve the actual stack and supplier advice; do not use extra torque as a correction.



Fit clean panes, rear strips and removable caps

1. Remove each supported door using the rehearsed pin sequence and lay it on a clean padded bench. Support the pane; remove masking after machining and cleanup. Use only acrylic-compatible cleaners.

2. Fit the actual pane inside the retained spacer opening with 1/8 in (3.18 mm) edge gaps. Place the accepted plain EPDM strips behind it, with no adhesive to the pane and no extra stacked layers.

3. Seat each labeled cap on its spacer and gently tighten the specified #6 screws. Check for pane bow, rattle, debris and edge contact. Rehang the glazed door with a helper, upper pin first, then lower; repeat the operation checks.

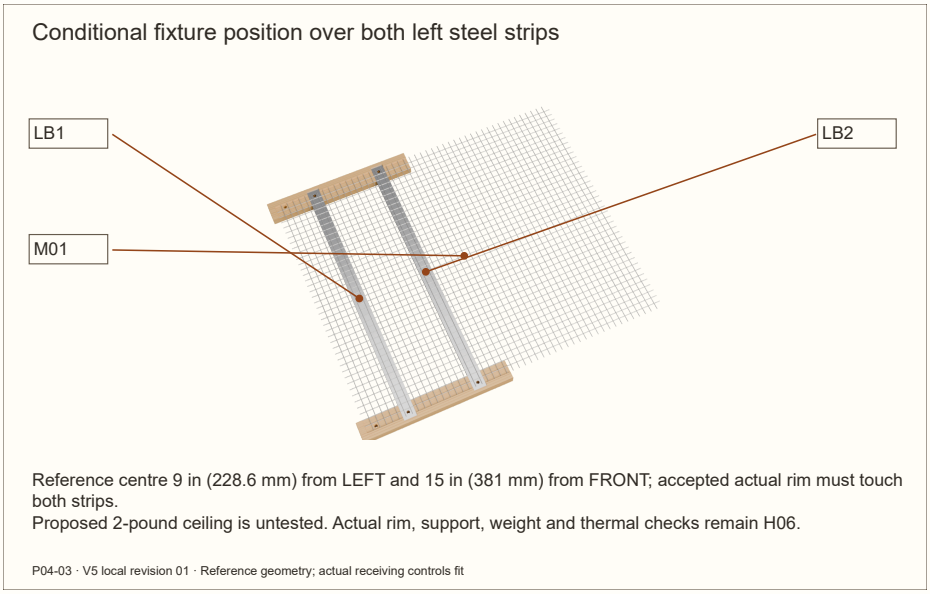
Check before continuing: Each pane has light cushion contact and can be removed without cutting adhesive.

OP47 · Set the optional fixture only after receiving checks

Parts: LB1 · Steel strip below left lamp area; LB2 · Steel strip below left lamp area; M01 · Roof screen blank

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation

Before you begin: Do not place a fixture on unsupported mesh. The listed electrical maximum is not a recommended operating wattage or a thermal clearance.



Set the optional fixture only after receiving checks

1. This design provides one optional external fixture location centred 9 in (228.6 mm) from LEFT and 15 in (381 mm) from FRONT. Its rigid flat rim must contact both steel strips through the screen.

2. The source geometry allows a 5 1/2 in (139.7 mm)–6 in (152.4 mm) rim and at most 6 in (152.4 mm) overall diameter. Its proposed 2-pound (0.91 kg) assembled-weight ceiling is untested; weigh the actual fixture and bulb and obtain support/load acceptance.

3. Follow the exact fixture/bulb instructions for secure support, electrical limits and heat clearances. The right roof bay remains clear of heat equipment; establish the required shade and temperature gradient.

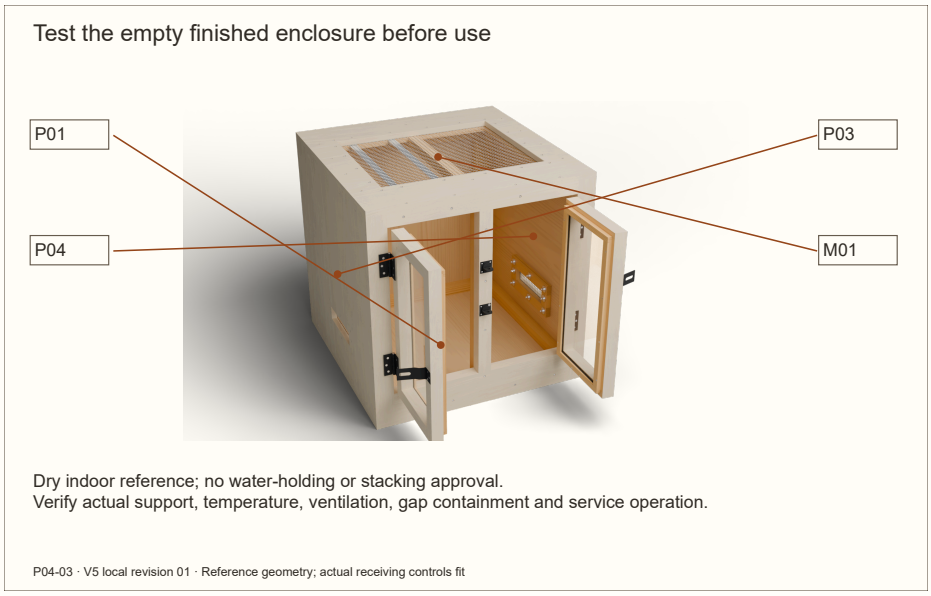
Check before continuing: Received fixture geometry, weight, secure support and commissioning plan are accepted.

OP48 · Commission the empty finished enclosure

Parts: P01 · Continuous floor; P03 · Left side with lower inlet; P04 · Right side with lower inlet; M01 · Roof screen blank

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation

Before you begin: This dry indoor shell is not a water-holding, lined, outdoor, structural or animal-safety certification.



Commission the empty finished enclosure

1. Before animals, complete the recorded species-specific checks for opening/mesh containment, ventilation, heat gradient, humidity, cleaning and door handling.

2. Keep dry substrate no higher than 3 in (76.2 mm) above the inside floor and a clear 2 in (50.8 mm) zone around each side inlet, unless an accepted coordinated species design requires a revision.

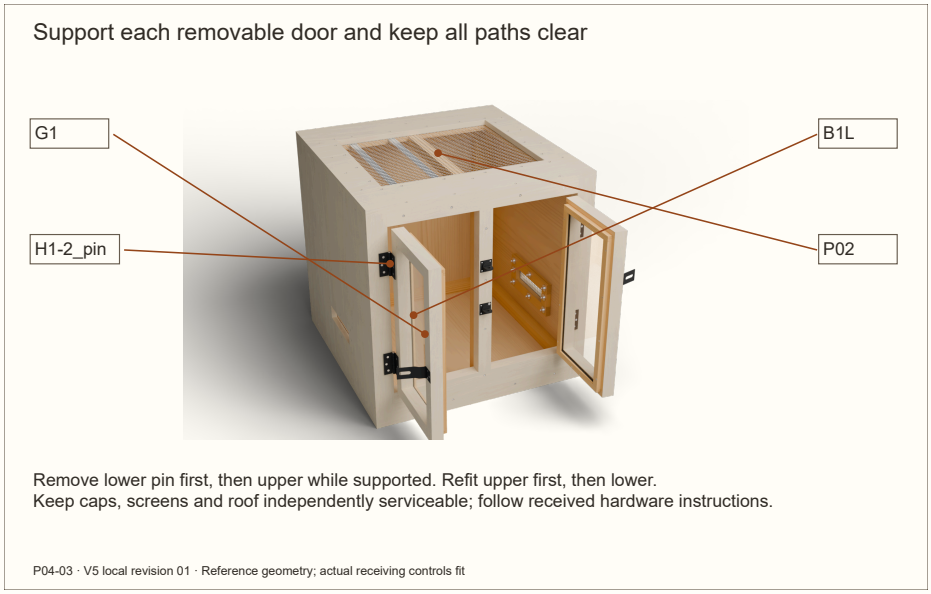
3. Verify the full base support and actual loaded stability. Run the actual equipment under supervision according to maker and qualified guidance, measuring all critical surfaces and air zones.

Check before continuing: The physical commissioning record is complete and accepted.

OP49 · Record inspection and repeatable maintenance

Parts: P02 · Roof with upper exhaust; G1 · Door 1 OPTIX pane; H1-2_pin · 1798A21 removable pin reference

Tools / setup: Tape, square, caliper, pencil and the tools named in this operation



Record inspection and repeatable maintenance

1. Record actual material gauges, final gaps, fitted fixing lengths, suppliers, cure dates, assembled weight and all accepted hold decisions.

2. Inspect pins, screws, caps, bond edges, pane contact, wire edges and support during cleaning. Remove animals and disconnect/cool equipment before maintenance.

3. Use the demonstrated roof, inward screen-batten, supported door and pane removal paths. Recheck operation and containment after service; preserve this revision with its evidence and any recorded substitution.

Check before continuing: Maintenance can be repeated without guessing the construction or losing its record.

Materials and hardware

Choose ONE veneer species: two 48 × 96 in (1219.2 × 2438.4 mm) sheets. Trial stock is included. FINISH is a two-quart-can pack. Resolve H01–H06 before dependent work. No purchase or address-specific stock check has been made.

Product	Model and quantities	Fit / purchase condition
PLY · Maple sanded plywood, nominal 3/4" × 4 ft × 8 ft Direct product listing	1032332 Needed 2 + 0 trial units; 1 per package; buy 2 package(s)	Two allocated sheets. Reference actual thickness 0.703 in (17.86 mm); the listing also has a conflicting 3/4 in (19.05 mm) minimum field. Measure every received sheet; revise dependent fits together.
PINE · RELIABILT clear S4S pine, nominal 1" × 8" × 6 ft Direct product listing	83717 Needed 4 + 0 trial units; 1 per package; buy 4 package(s)	Four 72 in (1828.8 mm) × 7 1/4 in (184.15 mm) × 3/4 in (19.05 mm) boards include a dedicated trial board. Front layers and screen captures follow this revision’s layouts; caps use separate bought-thickness lattice.
ACR · OPTIX clear acrylic 0.22" × 18" × 24" Direct product listing	1AG2123A Needed 2 + 0 trial units; 1 per package; buy 2 package(s)	Two 24 in (609.6 mm) × 18 in (457.2 mm) × 0.22 in (5.59 mm) sheets. Each pane is 9.172 in (232.97 mm) × 20.344 in (516.74 mm) with 1/8 in (3.18 mm) edge clearance. Keep free, unbowed and removable; confirm actual gauge, cleaning and temperature limits.

Materials and hardware · continued

Choose ONE veneer species: two 48 × 96 in (1219.2 × 2438.4 mm) sheets. Trial stock is included. FINISH is a two-quart-can pack. Resolve H01–H06 before dependent work. No purchase or address-specific stock check has been made.

Product	Model and quantities	Fit / purchase condition
GLUE · Titebond III Ultimate Wood Glue, 16 fluid ounces Direct product listing	1414 Needed 1 + 0 trial units; 1 per package; buy 1 package(s)	One 16 US fluid-ounce (473 mL) bottle provision for the front lamination, door laps and trials. Actual spread/waste governs. Apply above 47°F (8.3°C); follow maker working time and clamping conditions. No stress for at least 24 hours.
MESH · Acorn International galvanized hardware cloth, 36" × 60" Direct product listing	HC2365 Needed 1 + 0 trial units; 1 per package; buy 1 package(s)	One 36 in (914.4 mm) × 60 in (1524 mm) roll. Reference 1/2 in (12.7 mm) pitch and 0.041 in (1.04 mm) wire do not guarantee received aperture. All 36 fixing axes must clear wires and welds; contain every cut edge.
SOLID · RELIABILT clear solid pine, actual 1 1/2" × 1 1/2" × 96" Direct product listing	2X2 8 RPC Needed 7 + 0 trial units; 1 per package; buy 7 package(s)	Seven 1 1/2 in (38.1 mm)-square × 96 in (2438.4 mm) sticks include a dedicated complete-door trial stick. Fit bearing posts to actual gaps. No structural grade or load rating is inferred.

Materials and hardware · continued

Choose ONE veneer species: two 48 × 96 in (1219.2 × 2438.4 mm) sheets. Trial stock is included. FINISH is a two-quart-can pack. Resolve H01–H06 before dependent work. No purchase or address-specific stock check has been made.

Product	Model and quantities	Fit / purchase condition
SCREW8-250 · #8 × 2 1/2" Hillman flat-head Phillips wood screws Direct product listing	35058 Needed 14 + 8 trial units; 50 per package; buy 1 package(s)	Fourteen case stations plus eight trial screws; one 50-count box. Transfer actual receiver centres and keep stopped pilot and screw tips buried.
SCREW8-125 · #8 × 1 1/4" Hillman flat-head Phillips wood screws Direct product listing	35054 Needed 58 + 8 trial units; 100 per package; buy 1 package(s)	Fifty-eight stations: 26 front-layer joints, eight door-lap joints and 24 hinge holes; eight trial screws. One 100-count box. Custom rigid-pad hinge mounting remains H02.
SCREW8-175 · #8 × 1 3/4" Hillman flat-head Phillips wood screws Direct product listing	35056 Needed 94 + 8 trial units; 75 per package; buy 2 package(s)	Ninety-four case/roof stations plus eight trial screws; two 75-count boxes. Roof remains removable. Actual stock, pilot and edge margins govern.

Materials and hardware · continued

Choose ONE veneer species: two 48 × 96 in (1219.2 × 2438.4 mm) sheets. Trial stock is included. FINISH is a two-quart-can pack. Resolve H01–H06 before dependent work. No purchase or address-specific stock check has been made.

Product	Model and quantities	Fit / purchase condition
SCREW6-125 · #6 × 1 1/4" Hillman flat-head Phillips wood screws Direct product listing	490007 Needed 24 + 8 trial units; 10 per package; buy 4 package(s)	Twenty-four rear cap stations plus eight trial screws; four 10-count packs. Drill with acrylic removed; cap seats on the wood spacer. Current listing specifies interior use.
CAP-LATTICE · RELIABILT 265 unfinished pine lattice, actual 1/4" × 1 3/4" × 96" Direct product listing	L0026508 Needed 2 + 0 trial units; 1 per package; buy 2 package(s)	Two 96 in (2438.4 mm) lengths, reference 1/4 in (6.35 mm) × 1 3/4 in (44.45 mm) section. Rip to the named cap widths using supported long stock. Listing does not claim moisture resistance.
FINISH · Varathane Triple Thick clear satin polyurethane, two 1-quart cans Direct product listing	284473-7482 Needed 4 + 0 trial units; 2 per package; buy 2 package(s)	Four US quarts (3.79 L): two two-can packs. This revision allows 169.837 sq ft (15.78 m²), including exterior preseal, veneer topcoat, trials and 15% reserve, at 50 sq ft/quart (4.91 m²/L). Extra coats require recalculation. Cure and exposure approval remain separate.

Materials and hardware · continued

Choose ONE veneer species: two 48 × 96 in (1219.2 × 2438.4 mm) sheets. Trial stock is included. FINISH is a two-quart-can pack. Resolve H01–H06 before dependent work. No purchase or address-specific stock check has been made.

Product	Model and quantities	Fit / purchase condition
SPACER · Madison Mill 3/8-inch square solid poplar, 36-inch stick Direct product listing	444504 Needed 4 + 0 trial units; 1 per package; buy 4 package(s)	Four square 3/8 in (9.53 mm) × 36 in (914.4 mm) solid-poplar sticks. Verify square profile and actual gauge; fitted spacer depth governs the cured glazing stack.
GLAZING-EPDM · USA Industrials plain soft EPDM foam strip Direct product listing	ZUSAESR-S-21 Needed 116.064 + 12 trial units; 120 per package; buy 2 package(s)	Plain strip, free 3/16 in (4.76 mm) thickness × 1/4 in (6.35 mm) width. Reference installed thickness 0.155 in (3.94 mm) gives 17.33% compression before coating allowances; actual cured trial controls contact. No clamping-force rating. Two 120 in (3048 mm) rolls include 12 in (304.8 mm) of trial stock.
HINGE-SURFACE · Black painted steel removable-pin surface hinge Direct product listing	1798A21 Needed 4 + 0 trial units; 2 per package; buy 2 package(s)	Four complete removable-pin 1798A21 hinges; two pairs. Match the actual 24 flat-head screws and eight rigid pads. Door latch bevel is 6 degrees. Pin extraction, custom mounting and capacity remain H02.

Materials and hardware · continued

Choose ONE veneer species: two 48 × 96 in (1219.2 × 2438.4 mm) sheets. Trial stock is included. FINISH is a two-quart-can pack. Resolve H01–H06 before dependent work. No purchase or address-specific stock check has been made.

Product	Model and quantities	Fit / purchase condition
HASP · National Hardware black swivel-staple safety hasp, 3-1/4 inch Direct product listing	N305-979 Needed 2 + 0 trial units; 1 per package; buy 2 package(s)	Two N305-979 complete swivel hasps. Narrow base mounts to the moving door; square plate to the fixed centre post. Transfer actual holes and prove the complete release path. Undimensioned rounded-tab outline is a digital reference only.
HASP-SCREW · Everbilt #10 × 5/8-inch zinc-plated Phillips flat-head wood screws, 12-pack Direct product listing	825391 Needed 14 + 4 trial units; 12 per package; buy 2 package(s)	Fourteen #10 × 5/8 in (15.88 mm) screws plus four trial screws; two 12-count packs. Trial the received hasp countersinks and retain buried points. Do not modify purchased hardware holes.
L15 · Hillman steel flat, 1 × 1/8 × 36 inches Direct product listing	11653 Needed 2 + 0 trial units; 1 per package; buy 2 package(s)	Two solid 1 in (25.4 mm) × 1/8 in (3.18 mm) × 36 in (914.4 mm) steel bars; cut two 20 1/2 in (520.7 mm) strips. Each has two 1/4 in (6.35 mm) bores centred 1/2 in (12.7 mm) from its ends. No fixture-load or thermal rating is established.

Materials and hardware · continued

Choose ONE veneer species: two 48 × 96 in (1219.2 × 2438.4 mm) sheets. Trial stock is included. FINISH is a two-quart-can pack. Resolve H01–H06 before dependent work. No purchase or address-specific stock check has been made.

Product	Model and quantities	Fit / purchase condition
BOLT · Bolt Depot 1265 stainless 18-8 #10-24 × 2-1/2-inch Phillips flat-head machine screw Direct product listing	1265 Needed 36 + 2 trial units; 1 per package; buy 38 package(s)	Buy 38 #10-24 × 2 1/2 in (63.5 mm) flat 82-degree screws, including two trials. Reference fitted length is 1 7/8 in (47.63 mm). Measure each received stack, fully engage nylon, leave two threads and spare blind-cover depth.
WASHER · Hillman stainless fender washer Direct product listing	882073 Needed 36 + 2 trial units; 5 per package; buy 8 package(s)	One inside washer per fixing plus two trials: eight five-count packs. Reference 1/4 in (6.35 mm) bore × 1 in (25.4 mm) outside diameter × 1/16 in (1.59 mm) thickness. Demonstrate full actual wood bearing.
NUT · Hillman stainless #10-24 nylon-insert locknut Direct product listing	126896 Needed 36 + 2 trial units; 8 per package; buy 5 package(s)	One #10-24 nylon-insert locknut per fixing plus two trials: five eight-count packs. Fully engage the insert before fitting the separate closed cover.

Materials and hardware · continued

Choose ONE veneer species: two 48 × 96 in (1219.2 × 2438.4 mm) sheets. Trial stock is included. FINISH is a two-quart-can pack. Resolve H01–H06 before dependent work. No purchase or address-specific stock check has been made.

Product	Model and quantities	Fit / purchase condition
CAP · Hillman stainless #10-24 closed cap nut Direct product listing	126888 Needed 36 + 2 trial units; 3 per package; buy 13 package(s)	One #10-24 closed metal cover beyond each locknut, plus two trials: thirteen three-count packs. Cover all thread ends without bottoming; trial actual two-wrench access.
HSP · Everbilt solid aluminium flat bar, 1-1/2 × 36 × 1/8 inch Direct product listing	6215 Needed 1 + 0 trial units; 1 per package; buy 1 package(s)	One 1 1/2 in (38.1 mm) × 36 in (914.4 mm) × 1/8 in (3.18 mm) solid aluminium bar. Cut eight 3 in (76.2 mm) × 1 1/16 in (26.99 mm) pads plus two trial pads. Matched thickness at least 7/64 in (2.78 mm). Transfer received holes; custom mounting remains H02.
VENEER-maple · Optional maple veneer, 48 × 96 inches, selected 3M PSA backing Direct product listing	maple-veneer-flat-cut Needed 2 + 0 trial units; 1 per package; buy 2 package(s) **Choose one veneer species**	Choose one species: two 48 in (1219.2 mm) × 96 in (2438.4 mm) sheets including the complete door-face trial. Cover all specified exterior faces and edges. Maximum complete cured layer is 0.046 in (1.17 mm). Confirm balance, bond, dwell and coating compatibility; use separate pieces at corners.

Materials and hardware · continued

Choose ONE veneer species: two 48 × 96 in (1219.2 × 2438.4 mm) sheets. Trial stock is included. FINISH is a two-quart-can pack. Resolve H01–H06 before dependent work. No purchase or address-specific stock check has been made.

Product	Model and quantities	Fit / purchase condition
VENEER-oak · Optional white oak veneer, 48 × 96 inches, selected 3M PSA backing Direct product listing	oak-veneer-white-flat-cut Needed 2 + 0 trial units; 1 per package; buy 2 package(s) **Choose one veneer species**	Choose one species: two 48 in (1219.2 mm) × 96 in (2438.4 mm) sheets including the complete door-face trial. Cover all specified exterior faces and edges. Maximum complete cured layer is 0.046 in (1.17 mm). Confirm balance, bond, dwell and coating compatibility; use separate pieces at corners.
VENEER-walnut · Optional walnut veneer, 48 × 96 inches, selected 3M PSA backing Direct product listing	walnut-veneer-flat-cut Needed 2 + 0 trial units; 1 per package; buy 2 package(s) **Choose one veneer species**	Choose one species: two 48 in (1219.2 mm) × 96 in (2438.4 mm) sheets including the complete door-face trial. Cover all specified exterior faces and edges. Maximum complete cured layer is 0.046 in (1.17 mm). Confirm balance, bond, dwell and coating compatibility; use separate pieces at corners.

Cut list

One of each ID. Length follows allocated grain. Rough blanks retain fitting allowance; finished sizes are reference geometry. V-parts represent the complete cured veneer stack. Front-frame layers are listed individually. For EPDM, the rough column gives the free thickness to purchase and cut; the installed column gives the lightly compressed reference thickness. Actual compression remains a receiving trial.

Part	Rough length × width × thickness	Finished / installed length × width × thickness
P01 · Continuous floor	30 1/8 in (765.18 mm) × 30 1/8 in (765.18 mm) × 0.703 in (17.86 mm)	30 in (762 mm) × 30 in (762 mm) × 0.703 in (17.86 mm)
P02 · Roof with upper exhaust	30 1/8 in (765.18 mm) × 30 1/8 in (765.18 mm) × 0.703 in (17.86 mm)	30 in (762 mm) × 30 in (762 mm) × 0.703 in (17.86 mm)
P03 · Left side with lower inlet	28.719 in (729.46 mm) × 30 1/8 in (765.18 mm) × 0.703 in (17.86 mm)	28.594 in (726.29 mm) × 30 in (762 mm) × 0.703 in (17.86 mm)
P04 · Right side with lower inlet	28.719 in (729.46 mm) × 30 1/8 in (765.18 mm) × 0.703 in (17.86 mm)	28.594 in (726.29 mm) × 30 in (762 mm) × 0.703 in (17.86 mm)
P05 · Back	28.719 in (729.46 mm) × 28.719 in (729.46 mm) × 0.703 in (17.86 mm)	28.594 in (726.29 mm) × 28.594 in (726.29 mm) × 0.703 in (17.86 mm)
F01 · Front outer stile	28.719 in (729.46 mm) × 1 3/4 in (44.45 mm) × 3/4 in (19.05 mm)	28.594 in (726.29 mm) × 1 3/4 in (44.45 mm) × 3/4 in (19.05 mm)
F02 · Front outer stile	28.719 in (729.46 mm) × 1 3/4 in (44.45 mm) × 3/4 in (19.05 mm)	28.594 in (726.29 mm) × 1 3/4 in (44.45 mm) × 3/4 in (19.05 mm)
F03 · Front sill	25.219 in (640.56 mm) × 4 in (101.6 mm) × 3/4 in (19.05 mm)	25.094 in (637.39 mm) × 4 in (101.6 mm) × 3/4 in (19.05 mm)
F04 · Front header	25.219 in (640.56 mm) × 1 3/4 in (44.45 mm) × 3/4 in (19.05 mm)	25.094 in (637.39 mm) × 1 3/4 in (44.45 mm) × 3/4 in (19.05 mm)
F05 · Front centre stile	22.969 in (583.41 mm) × 1 3/4 in (44.45 mm) × 3/4 in (19.05 mm)	22.844 in (580.24 mm) × 1 3/4 in (44.45 mm) × 3/4 in (19.05 mm)

Cut list · continued

One of each ID. Length follows allocated grain. Rough blanks retain fitting allowance; finished sizes are reference geometry. V-parts represent the complete cured veneer stack. Front-frame layers are listed individually. For EPDM, the rough column gives the free thickness to purchase and cut; the installed column gives the lightly compressed reference thickness. Actual compression remains a receiving trial.

Part	Rough length × width × thickness	Finished / installed length × width × thickness
F06 · Rear centre stile	28.719 in (729.46 mm) × 1 3/4 in (44.45 mm) × 3/4 in (19.05 mm)	28.594 in (726.29 mm) × 1 3/4 in (44.45 mm) × 3/4 in (19.05 mm)
F07 · Rear sill half	13.547 in (344.09 mm) × 4 in (101.6 mm) × 3/4 in (19.05 mm)	13.422 in (340.92 mm) × 4 in (101.6 mm) × 3/4 in (19.05 mm)
F08 · Rear sill half	13.547 in (344.09 mm) × 4 in (101.6 mm) × 3/4 in (19.05 mm)	13.422 in (340.92 mm) × 4 in (101.6 mm) × 3/4 in (19.05 mm)
F09 · Rear header half	13.547 in (344.09 mm) × 1 3/4 in (44.45 mm) × 3/4 in (19.05 mm)	13.422 in (340.92 mm) × 1 3/4 in (44.45 mm) × 3/4 in (19.05 mm)
F10 · Rear header half	13.547 in (344.09 mm) × 1 3/4 in (44.45 mm) × 3/4 in (19.05 mm)	13.422 in (340.92 mm) × 1 3/4 in (44.45 mm) × 3/4 in (19.05 mm)
F11 · Rear outer stile	22.969 in (583.41 mm) × 1 3/4 in (44.45 mm) × 3/4 in (19.05 mm)	22.844 in (580.24 mm) × 1 3/4 in (44.45 mm) × 3/4 in (19.05 mm)
F12 · Rear outer stile	22.969 in (583.41 mm) × 1 3/4 in (44.45 mm) × 3/4 in (19.05 mm)	22.844 in (580.24 mm) × 1 3/4 in (44.45 mm) × 3/4 in (19.05 mm)
D1A · Door 1 half-lapped stile	22.594 in (573.89 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)	22.469 in (570.71 mm) × 1 7/16 in (36.51 mm) × 1 1/2 in (38.1 mm)
D1B · Door 1 half-lapped stile	22.594 in (573.89 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)	22.469 in (570.71 mm) × 1 15/32 in (37.31 mm) × 1 1/2 in (38.1 mm)
D1C · Door 1 half-lapped rail	11.45325 in (290.91 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)	11.32825 in (287.74 mm) × 1 7/16 in (36.51 mm) × 1 1/2 in (38.1 mm)

Cut list · continued

One of each ID. Length follows allocated grain. Rough blanks retain fitting allowance; finished sizes are reference geometry. V-parts represent the complete cured veneer stack. Front-frame layers are listed individually. For EPDM, the rough column gives the free thickness to purchase and cut; the installed column gives the lightly compressed reference thickness. Actual compression remains a receiving trial.

Part	Rough length × width × thickness	Finished / installed length × width × thickness
D1D · Door 1 half-lapped rail	11.45325 in (290.91 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)	11.32825 in (287.74 mm) × 1 7/16 in (36.51 mm) × 1 1/2 in (38.1 mm)
G1 · Door 1 OPTIX pane	20.344 in (516.74 mm) × 9.172 in (232.97 mm) × 0.22 in (5.59 mm)	20.344 in (516.74 mm) × 9.172 in (232.97 mm) × 0.22 in (5.59 mm)
Q1L · Door 1 separate spacer L	20.719 in (526.26 mm) × 3/8 in (9.53 mm) × 3/8 in (9.53 mm)	20.594 in (523.09 mm) × 3/8 in (9.53 mm) × 3/8 in (9.53 mm)
Q1R · Door 1 separate spacer R	20.719 in (526.26 mm) × 3/8 in (9.53 mm) × 3/8 in (9.53 mm)	20.594 in (523.09 mm) × 3/8 in (9.53 mm) × 3/8 in (9.53 mm)
Q1B · Door 1 separate spacer B	10.297 in (261.54 mm) × 3/8 in (9.53 mm) × 3/8 in (9.53 mm)	10.172 in (258.37 mm) × 3/8 in (9.53 mm) × 3/8 in (9.53 mm)
Q1T · Door 1 separate spacer T	10.297 in (261.54 mm) × 3/8 in (9.53 mm) × 3/8 in (9.53 mm)	10.172 in (258.37 mm) × 3/8 in (9.53 mm) × 3/8 in (9.53 mm)
B1L · Door 1 separate flat cap L	19.969 in (507.21 mm) × 7/8 in (22.23 mm) × 1/4 in (6.35 mm)	19.844 in (504.04 mm) × 7/8 in (22.23 mm) × 1/4 in (6.35 mm)
B1R · Door 1 separate flat cap R	19.969 in (507.21 mm) × 7/8 in (22.23 mm) × 1/4 in (6.35 mm)	19.844 in (504.04 mm) × 7/8 in (22.23 mm) × 1/4 in (6.35 mm)
B1B · Door 1 separate flat cap B	10.297 in (261.54 mm) × 3/4 in (19.05 mm) × 1/4 in (6.35 mm)	10.172 in (258.37 mm) × 3/4 in (19.05 mm) × 1/4 in (6.35 mm)
B1T · Door 1 separate flat cap T	10.297 in (261.54 mm) × 3/4 in (19.05 mm) × 1/4 in (6.35 mm)	10.172 in (258.37 mm) × 3/4 in (19.05 mm) × 1/4 in (6.35 mm)

Cut list · continued

One of each ID. Length follows allocated grain. Rough blanks retain fitting allowance; finished sizes are reference geometry. V-parts represent the complete cured veneer stack. Front-frame layers are listed individually. For EPDM, the rough column gives the free thickness to purchase and cut; the installed column gives the lightly compressed reference thickness. Actual compression remains a receiving trial.

Part	Rough length × width × thickness	Finished / installed length × width × thickness
E1B · Door 1 plain EPDM rear cushion B	9.172 in (232.97 mm) × 1/4 in (6.35 mm) × 3/16 in (4.76 mm)	9.172 in (232.97 mm) × 1/4 in (6.35 mm) × 0.155 in (3.94 mm)
E1T · Door 1 plain EPDM rear cushion T	9.172 in (232.97 mm) × 1/4 in (6.35 mm) × 3/16 in (4.76 mm)	9.172 in (232.97 mm) × 1/4 in (6.35 mm) × 0.155 in (3.94 mm)
E1L · Door 1 plain EPDM rear cushion L	19.844 in (504.04 mm) × 1/4 in (6.35 mm) × 3/16 in (4.76 mm)	19.844 in (504.04 mm) × 1/4 in (6.35 mm) × 0.155 in (3.94 mm)
E1R · Door 1 plain EPDM rear cushion R	19.844 in (504.04 mm) × 1/4 in (6.35 mm) × 3/16 in (4.76 mm)	19.844 in (504.04 mm) × 1/4 in (6.35 mm) × 0.155 in (3.94 mm)
D2A · Door 2 half-lapped stile	22.594 in (573.89 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)	22.469 in (570.71 mm) × 1 15/32 in (37.31 mm) × 1 1/2 in (38.1 mm)
D2B · Door 2 half-lapped stile	22.594 in (573.89 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)	22.469 in (570.71 mm) × 1 7/16 in (36.51 mm) × 1 1/2 in (38.1 mm)
D2C · Door 2 half-lapped rail	11.45325 in (290.91 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)	11.32825 in (287.74 mm) × 1 7/16 in (36.51 mm) × 1 1/2 in (38.1 mm)
D2D · Door 2 half-lapped rail	11.45325 in (290.91 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)	11.32825 in (287.74 mm) × 1 7/16 in (36.51 mm) × 1 1/2 in (38.1 mm)
G2 · Door 2 OPTIX pane	20.344 in (516.74 mm) × 9.172 in (232.97 mm) × 0.22 in (5.59 mm)	20.344 in (516.74 mm) × 9.172 in (232.97 mm) × 0.22 in (5.59 mm)
Q2L · Door 2 separate spacer L	20.719 in (526.26 mm) × 3/8 in (9.53 mm) × 3/8 in (9.53 mm)	20.594 in (523.09 mm) × 3/8 in (9.53 mm) × 3/8 in (9.53 mm)

Cut list · continued

One of each ID. Length follows allocated grain. Rough blanks retain fitting allowance; finished sizes are reference geometry. V-parts represent the complete cured veneer stack. Front-frame layers are listed individually. For EPDM, the rough column gives the free thickness to purchase and cut; the installed column gives the lightly compressed reference thickness. Actual compression remains a receiving trial.

Part	Rough length × width × thickness	Finished / installed length × width × thickness
Q2R · Door 2 separate spacer R	20.719 in (526.26 mm) × 3/8 in (9.53 mm) × 3/8 in (9.53 mm)	20.594 in (523.09 mm) × 3/8 in (9.53 mm) × 3/8 in (9.53 mm)
Q2B · Door 2 separate spacer B	10.297 in (261.54 mm) × 3/8 in (9.53 mm) × 3/8 in (9.53 mm)	10.172 in (258.37 mm) × 3/8 in (9.53 mm) × 3/8 in (9.53 mm)
Q2T · Door 2 separate spacer T	10.297 in (261.54 mm) × 3/8 in (9.53 mm) × 3/8 in (9.53 mm)	10.172 in (258.37 mm) × 3/8 in (9.53 mm) × 3/8 in (9.53 mm)
B2L · Door 2 separate flat cap L	19.969 in (507.21 mm) × 7/8 in (22.23 mm) × 1/4 in (6.35 mm)	19.844 in (504.04 mm) × 7/8 in (22.23 mm) × 1/4 in (6.35 mm)
B2R · Door 2 separate flat cap R	19.969 in (507.21 mm) × 7/8 in (22.23 mm) × 1/4 in (6.35 mm)	19.844 in (504.04 mm) × 7/8 in (22.23 mm) × 1/4 in (6.35 mm)
B2B · Door 2 separate flat cap B	10.297 in (261.54 mm) × 3/4 in (19.05 mm) × 1/4 in (6.35 mm)	10.172 in (258.37 mm) × 3/4 in (19.05 mm) × 1/4 in (6.35 mm)
B2T · Door 2 separate flat cap T	10.297 in (261.54 mm) × 3/4 in (19.05 mm) × 1/4 in (6.35 mm)	10.172 in (258.37 mm) × 3/4 in (19.05 mm) × 1/4 in (6.35 mm)
E2B · Door 2 plain EPDM rear cushion B	9.172 in (232.97 mm) × 1/4 in (6.35 mm) × 3/16 in (4.76 mm)	9.172 in (232.97 mm) × 1/4 in (6.35 mm) × 0.155 in (3.94 mm)
E2T · Door 2 plain EPDM rear cushion T	9.172 in (232.97 mm) × 1/4 in (6.35 mm) × 3/16 in (4.76 mm)	9.172 in (232.97 mm) × 1/4 in (6.35 mm) × 0.155 in (3.94 mm)
E2L · Door 2 plain EPDM rear cushion L	19.844 in (504.04 mm) × 1/4 in (6.35 mm) × 3/16 in (4.76 mm)	19.844 in (504.04 mm) × 1/4 in (6.35 mm) × 0.155 in (3.94 mm)

Cut list · continued

One of each ID. Length follows allocated grain. Rough blanks retain fitting allowance; finished sizes are reference geometry. V-parts represent the complete cured veneer stack. Front-frame layers are listed individually. For EPDM, the rough column gives the free thickness to purchase and cut; the installed column gives the lightly compressed reference thickness. Actual compression remains a receiving trial.

Part	Rough length × width × thickness	Finished / installed length × width × thickness
E2R · Door 2 plain EPDM rear cushion R	19.844 in (504.04 mm) × 1/4 in (6.35 mm) × 3/16 in (4.76 mm)	19.844 in (504.04 mm) × 1/4 in (6.35 mm) × 0.155 in (3.94 mm)
C01 · Solid rear corner cleat	28.719 in (729.46 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)	28.594 in (726.29 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
C02 · Solid rear corner cleat	28.719 in (729.46 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)	28.594 in (726.29 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
C03 · Solid side bearing cleat	26.422 in (671.12 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)	26.297 in (667.94 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
C04 · Solid side bearing cleat	26.422 in (671.12 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)	26.297 in (667.94 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
C05 · Solid side bearing cleat	26.422 in (671.12 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)	26.297 in (667.94 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
C06 · Solid side bearing cleat	26.422 in (671.12 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)	26.297 in (667.94 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
C07 · Solid front/back ledger	25.719 in (653.26 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)	25.594 in (650.09 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
C08 · Solid front/back ledger	25.719 in (653.26 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)	25.594 in (650.09 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
C10 · Solid front/back ledger	25.719 in (653.26 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)	25.594 in (650.09 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)

Cut list · continued

One of each ID. Length follows allocated grain. Rough blanks retain fitting allowance; finished sizes are reference geometry. V-parts represent the complete cured veneer stack. Front-frame layers are listed individually. For EPDM, the rough column gives the free thickness to purchase and cut; the installed column gives the lightly compressed reference thickness. Actual compression remains a receiving trial.

Part	Rough length × width × thickness	Finished / installed length × width × thickness
C09A · Solid upper front ledger half	12.172 in (309.17 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)	12.047 in (305.99 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
C09B · Solid upper front ledger half	12.172 in (309.17 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)	12.047 in (305.99 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
C11 · Solid central roof rib	27.922 in (709.22 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)	27.797 in (706.04 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
C12 · Solid centre bearing post	25.719 in (653.26 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)	25.594 in (650.09 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
C13 · Rear ledger bearing post	24.219 in (615.16 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)	24.094 in (611.99 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
C14 · Rear ledger bearing post	24.219 in (615.16 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)	24.094 in (611.99 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
M01 · Roof screen blank	24 in (609.6 mm) × 20 in (508 mm) × 0.083 in (2.11 mm)	24 in (609.6 mm) × 20 in (508 mm) × 0.083 in (2.11 mm)
R01A · Roof edge-capture batten	11 7/8 in (301.63 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)	11 3/4 in (298.45 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)
R01B · Roof edge-capture batten	11 7/8 in (301.63 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)	11 3/4 in (298.45 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)
R02A · Roof edge-capture batten	11 7/8 in (301.63 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)	11 3/4 in (298.45 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)

Cut list · continued

One of each ID. Length follows allocated grain. Rough blanks retain fitting allowance; finished sizes are reference geometry. V-parts represent the complete cured veneer stack. Front-frame layers are listed individually. For EPDM, the rough column gives the free thickness to purchase and cut; the installed column gives the lightly compressed reference thickness. Actual compression remains a receiving trial.

Part	Rough length × width × thickness	Finished / installed length × width × thickness
R02B · Roof edge-capture batten	11 7/8 in (301.63 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)	11 3/4 in (298.45 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)
R03 · Roof edge-capture batten	18 1/8 in (460.38 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)	18 in (457.2 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)
R04 · Roof edge-capture batten	18 1/8 in (460.38 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)	18 in (457.2 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)
VM1 · Side inlet screen blank	10 in (254 mm) × 4 in (101.6 mm) × 0.083 in (2.11 mm)	10 in (254 mm) × 4 in (101.6 mm) × 0.083 in (2.11 mm)
V1B · Side inlet capture batten	11 1/8 in (282.58 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)	11 in (279.4 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)
V1T · Side inlet capture batten	11 1/8 in (282.58 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)	11 in (279.4 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)
V1F · Side inlet capture batten	2 1/8 in (53.98 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)	2 in (50.8 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)
V1R · Side inlet capture batten	2 1/8 in (53.98 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)	2 in (50.8 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)
VM2 · Side inlet screen blank	10 in (254 mm) × 4 in (101.6 mm) × 0.083 in (2.11 mm)	10 in (254 mm) × 4 in (101.6 mm) × 0.083 in (2.11 mm)
V2B · Side inlet capture batten	11 1/8 in (282.58 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)	11 in (279.4 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)

Cut list · continued

One of each ID. Length follows allocated grain. Rough blanks retain fitting allowance; finished sizes are reference geometry. V-parts represent the complete cured veneer stack. Front-frame layers are listed individually. For EPDM, the rough column gives the free thickness to purchase and cut; the installed column gives the lightly compressed reference thickness. Actual compression remains a receiving trial.

Part	Rough length × width × thickness	Finished / installed length × width × thickness
V2T · Side inlet capture batten	11 1/8 in (282.58 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)	11 in (279.4 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)
V2F · Side inlet capture batten	2 1/8 in (53.98 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)	2 in (50.8 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)
V2R · Side inlet capture batten	2 1/8 in (53.98 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)	2 in (50.8 mm) × 1 1/2 in (38.1 mm) × 3/4 in (19.05 mm)
LB1 · Steel strip below left lamp area	20 1/2 in (520.7 mm) × 1 in (25.4 mm) × 1/8 in (3.18 mm)	20 1/2 in (520.7 mm) × 1 in (25.4 mm) × 1/8 in (3.18 mm)
LB2 · Steel strip below left lamp area	20 1/2 in (520.7 mm) × 1 in (25.4 mm) × 1/8 in (3.18 mm)	20 1/2 in (520.7 mm) × 1 in (25.4 mm) × 1/8 in (3.18 mm)
SP-H1-1-fixed · Rigid full-leaf bearing pad H1-1 fixed	3 in (76.2 mm) × 1 1/16 in (26.99 mm) × 1/8 in (3.18 mm)	3 in (76.2 mm) × 1 1/16 in (26.99 mm) × 1/8 in (3.18 mm)
SP-H1-1-moving · Rigid full-leaf bearing pad H1-1 moving	3 in (76.2 mm) × 1 1/16 in (26.99 mm) × 1/8 in (3.18 mm)	3 in (76.2 mm) × 1 1/16 in (26.99 mm) × 1/8 in (3.18 mm)
SP-H1-2-fixed · Rigid full-leaf bearing pad H1-2 fixed	3 in (76.2 mm) × 1 1/16 in (26.99 mm) × 1/8 in (3.18 mm)	3 in (76.2 mm) × 1 1/16 in (26.99 mm) × 1/8 in (3.18 mm)
SP-H1-2-moving · Rigid full-leaf bearing pad H1-2 moving	3 in (76.2 mm) × 1 1/16 in (26.99 mm) × 1/8 in (3.18 mm)	3 in (76.2 mm) × 1 1/16 in (26.99 mm) × 1/8 in (3.18 mm)
SP-H2-1-moving · Rigid full-leaf bearing pad H2-1 moving	3 in (76.2 mm) × 1 1/16 in (26.99 mm) × 1/8 in (3.18 mm)	3 in (76.2 mm) × 1 1/16 in (26.99 mm) × 1/8 in (3.18 mm)

Cut list · continued

One of each ID. Length follows allocated grain. Rough blanks retain fitting allowance; finished sizes are reference geometry. V-parts represent the complete cured veneer stack. Front-frame layers are listed individually. For EPDM, the rough column gives the free thickness to purchase and cut; the installed column gives the lightly compressed reference thickness. Actual compression remains a receiving trial.

Part	Rough length × width × thickness	Finished / installed length × width × thickness
SP-H2-1-fixed · Rigid full-leaf bearing pad H2-1 fixed	3 in (76.2 mm) × 1 1/16 in (26.99 mm) × 1/8 in (3.18 mm)	3 in (76.2 mm) × 1 1/16 in (26.99 mm) × 1/8 in (3.18 mm)
SP-H2-2-moving · Rigid full-leaf bearing pad H2-2 moving	3 in (76.2 mm) × 1 1/16 in (26.99 mm) × 1/8 in (3.18 mm)	3 in (76.2 mm) × 1 1/16 in (26.99 mm) × 1/8 in (3.18 mm)
SP-H2-2-fixed · Rigid full-leaf bearing pad H2-2 fixed	3 in (76.2 mm) × 1 1/16 in (26.99 mm) × 1/8 in (3.18 mm)	3 in (76.2 mm) × 1 1/16 in (26.99 mm) × 1/8 in (3.18 mm)
V-floor-under · Exterior veneer · floor-under	30.561 in (776.25 mm) × 30.561 in (776.25 mm) × 0.0305 in (0.77 mm)	30.061 in (763.55 mm) × 30.061 in (763.55 mm) × 0.0305 in (0.77 mm)
V-roof-top · Exterior veneer · roof-top	30.561 in (776.25 mm) × 30.561 in (776.25 mm) × 0.0305 in (0.77 mm)	30.061 in (763.55 mm) × 30.061 in (763.55 mm) × 0.0305 in (0.77 mm)
V-P01-front · Exterior veneer · P01-front	30.561 in (776.25 mm) × 1.203 in (30.56 mm) × 0.0305 in (0.77 mm)	30.061 in (763.55 mm) × 0.703 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P01-back · Exterior veneer · P01-back	30.561 in (776.25 mm) × 1.203 in (30.56 mm) × 0.0305 in (0.77 mm)	30.061 in (763.55 mm) × 0.703 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P01-left · Exterior veneer · P01-left	30 1/2 in (774.7 mm) × 1.203 in (30.56 mm) × 0.0305 in (0.77 mm)	30 in (762 mm) × 0.703 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P01-right · Exterior veneer · P01-right	30 1/2 in (774.7 mm) × 1.203 in (30.56 mm) × 0.0305 in (0.77 mm)	30 in (762 mm) × 0.703 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P02-front · Exterior veneer · P02-front	30.561 in (776.25 mm) × 1.203 in (30.56 mm) × 0.0305 in (0.77 mm)	30.061 in (763.55 mm) × 0.703 in (17.86 mm) × 0.0305 in (0.77 mm)

Cut list · continued

One of each ID. Length follows allocated grain. Rough blanks retain fitting allowance; finished sizes are reference geometry. V-parts represent the complete cured veneer stack. Front-frame layers are listed individually. For EPDM, the rough column gives the free thickness to purchase and cut; the installed column gives the lightly compressed reference thickness. Actual compression remains a receiving trial.

Part	Rough length × width × thickness	Finished / installed length × width × thickness
V-P02-back · Exterior veneer · P02-back	30.561 in (776.25 mm) × 1.203 in (30.56 mm) × 0.0305 in (0.77 mm)	30.061 in (763.55 mm) × 0.703 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P02-left · Exterior veneer · P02-left	30 1/2 in (774.7 mm) × 1.203 in (30.56 mm) × 0.0305 in (0.77 mm)	30 in (762 mm) × 0.703 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P02-right · Exterior veneer · P02-right	30 1/2 in (774.7 mm) × 1.203 in (30.56 mm) × 0.0305 in (0.77 mm)	30 in (762 mm) × 0.703 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P03-face · Exterior veneer · P03-face	29.094 in (738.99 mm) × 30 1/2 in (774.7 mm) × 0.0305 in (0.77 mm)	28.594 in (726.29 mm) × 30 in (762 mm) × 0.0305 in (0.77 mm)
V-P03-front · Exterior veneer · P03-front	29.094 in (738.99 mm) × 1.2335 in (31.33 mm) × 0.0305 in (0.77 mm)	28.594 in (726.29 mm) × 0.7335 in (18.63 mm) × 0.0305 in (0.77 mm)
V-P03-back · Exterior veneer · P03-back	29.094 in (738.99 mm) × 1.2335 in (31.33 mm) × 0.0305 in (0.77 mm)	28.594 in (726.29 mm) × 0.7335 in (18.63 mm) × 0.0305 in (0.77 mm)
V-P03-vent-near · Exterior veneer · P03-vent-near	2.439 in (61.95 mm) × 1.203 in (30.56 mm) × 0.0305 in (0.77 mm)	1.939 in (49.25 mm) × 0.703 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P03-vent-far · Exterior veneer · P03-vent-far	2.439 in (61.95 mm) × 1.203 in (30.56 mm) × 0.0305 in (0.77 mm)	1.939 in (49.25 mm) × 0.703 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P03-vent-bottom · Exterior veneer · P03-vent-bottom	8 1/2 in (215.9 mm) × 1.203 in (30.56 mm) × 0.0305 in (0.77 mm)	8 in (203.2 mm) × 0.703 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P03-vent-top · Exterior veneer · P03-vent-top	8 1/2 in (215.9 mm) × 1.203 in (30.56 mm) × 0.0305 in (0.77 mm)	8 in (203.2 mm) × 0.703 in (17.86 mm) × 0.0305 in (0.77 mm)

Cut list · continued

One of each ID. Length follows allocated grain. Rough blanks retain fitting allowance; finished sizes are reference geometry. V-parts represent the complete cured veneer stack. Front-frame layers are listed individually. For EPDM, the rough column gives the free thickness to purchase and cut; the installed column gives the lightly compressed reference thickness. Actual compression remains a receiving trial.

Part	Rough length × width × thickness	Finished / installed length × width × thickness
V-P04-face · Exterior veneer · P04-face	29.094 in (738.99 mm) × 30 1/2 in (774.7 mm) × 0.0305 in (0.77 mm)	28.594 in (726.29 mm) × 30 in (762 mm) × 0.0305 in (0.77 mm)
V-P04-front · Exterior veneer · P04-front	29.094 in (738.99 mm) × 1.2335 in (31.33 mm) × 0.0305 in (0.77 mm)	28.594 in (726.29 mm) × 0.7335 in (18.63 mm) × 0.0305 in (0.77 mm)
V-P04-back · Exterior veneer · P04-back	29.094 in (738.99 mm) × 1.2335 in (31.33 mm) × 0.0305 in (0.77 mm)	28.594 in (726.29 mm) × 0.7335 in (18.63 mm) × 0.0305 in (0.77 mm)
V-P04-vent-near · Exterior veneer · P04-vent-near	2.439 in (61.95 mm) × 1.203 in (30.56 mm) × 0.0305 in (0.77 mm)	1.939 in (49.25 mm) × 0.703 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P04-vent-far · Exterior veneer · P04-vent-far	2.439 in (61.95 mm) × 1.203 in (30.56 mm) × 0.0305 in (0.77 mm)	1.939 in (49.25 mm) × 0.703 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P04-vent-bottom · Exterior veneer · P04-vent-bottom	8 1/2 in (215.9 mm) × 1.203 in (30.56 mm) × 0.0305 in (0.77 mm)	8 in (203.2 mm) × 0.703 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P04-vent-top · Exterior veneer · P04-vent-top	8 1/2 in (215.9 mm) × 1.203 in (30.56 mm) × 0.0305 in (0.77 mm)	8 in (203.2 mm) × 0.703 in (17.86 mm) × 0.0305 in (0.77 mm)
V-back · Exterior veneer · back	29.094 in (738.99 mm) × 29.094 in (738.99 mm) × 0.0305 in (0.77 mm)	28.594 in (726.29 mm) × 28.594 in (726.29 mm) × 0.0305 in (0.77 mm)
V-roof-opening-left · Exterior veneer · roof-opening-left	18.439 in (468.35 mm) × 1.203 in (30.56 mm) × 0.0305 in (0.77 mm)	17.939 in (455.65 mm) × 0.703 in (17.86 mm) × 0.0305 in (0.77 mm)
V-roof-opening-right · Exterior veneer · roof-opening-right	18.439 in (468.35 mm) × 1.203 in (30.56 mm) × 0.0305 in (0.77 mm)	17.939 in (455.65 mm) × 0.703 in (17.86 mm) × 0.0305 in (0.77 mm)

Cut list · continued

One of each ID. Length follows allocated grain. Rough blanks retain fitting allowance; finished sizes are reference geometry. V-parts represent the complete cured veneer stack. Front-frame layers are listed individually. For EPDM, the rough column gives the free thickness to purchase and cut; the installed column gives the lightly compressed reference thickness. Actual compression remains a receiving trial.

Part	Rough length × width × thickness	Finished / installed length × width × thickness
V-roof-opening-front · Exterior veneer · roof-opening-front	22 1/2 in (571.5 mm) × 1.203 in (30.56 mm) × 0.0305 in (0.77 mm)	22 in (558.8 mm) × 0.703 in (17.86 mm) × 0.0305 in (0.77 mm)
V-roof-opening-back · Exterior veneer · roof-opening-back	22 1/2 in (571.5 mm) × 1.203 in (30.56 mm) × 0.0305 in (0.77 mm)	22 in (558.8 mm) × 0.703 in (17.86 mm) × 0.0305 in (0.77 mm)
V-F01-front · Exterior veneer · F01-front	29.094 in (738.99 mm) × 2 1/4 in (57.15 mm) × 0.0305 in (0.77 mm)	28.594 in (726.29 mm) × 1 3/4 in (44.45 mm) × 0.0305 in (0.77 mm)
V-F02-front · Exterior veneer · F02-front	29.094 in (738.99 mm) × 2 1/4 in (57.15 mm) × 0.0305 in (0.77 mm)	28.594 in (726.29 mm) × 1 3/4 in (44.45 mm) × 0.0305 in (0.77 mm)
V-F03-front · Exterior veneer · F03-front	25.594 in (650.09 mm) × 4 1/2 in (114.3 mm) × 0.0305 in (0.77 mm)	25.094 in (637.39 mm) × 4 in (101.6 mm) × 0.0305 in (0.77 mm)
V-F04-front · Exterior veneer · F04-front	25.594 in (650.09 mm) × 2 1/4 in (57.15 mm) × 0.0305 in (0.77 mm)	25.094 in (637.39 mm) × 1 3/4 in (44.45 mm) × 0.0305 in (0.77 mm)
V-F05-front · Exterior veneer · F05-front	23.344 in (592.94 mm) × 2 1/4 in (57.15 mm) × 0.0305 in (0.77 mm)	22.844 in (580.24 mm) × 1 3/4 in (44.45 mm) × 0.0305 in (0.77 mm)
V-L-jamb-left · Exterior veneer · L-jamb-left	23.283 in (591.39 mm) × 2 in (50.8 mm) × 0.0305 in (0.77 mm)	22.783 in (578.69 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-L-jamb-right · Exterior veneer · L-jamb-right	23.283 in (591.39 mm) × 2 in (50.8 mm) × 0.0305 in (0.77 mm)	22.783 in (578.69 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-L-sill · Exterior veneer · L-sill	12.172 in (309.17 mm) × 2 in (50.8 mm) × 0.0305 in (0.77 mm)	11.672 in (296.47 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)

Cut list · continued

One of each ID. Length follows allocated grain. Rough blanks retain fitting allowance; finished sizes are reference geometry. V-parts represent the complete cured veneer stack. Front-frame layers are listed individually. For EPDM, the rough column gives the free thickness to purchase and cut; the installed column gives the lightly compressed reference thickness. Actual compression remains a receiving trial.

Part	Rough length × width × thickness	Finished / installed length × width × thickness
V-L-head · Exterior veneer · L-head	12.172 in (309.17 mm) × 2 in (50.8 mm) × 0.0305 in (0.77 mm)	11.672 in (296.47 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-R-jamb-left · Exterior veneer · R-jamb-left	23.283 in (591.39 mm) × 2 in (50.8 mm) × 0.0305 in (0.77 mm)	22.783 in (578.69 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-R-jamb-right · Exterior veneer · R-jamb-right	23.283 in (591.39 mm) × 2 in (50.8 mm) × 0.0305 in (0.77 mm)	22.783 in (578.69 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-R-sill · Exterior veneer · R-sill	12.172 in (309.17 mm) × 2 in (50.8 mm) × 0.0305 in (0.77 mm)	11.672 in (296.47 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-R-head · Exterior veneer · R-head	12.172 in (309.17 mm) × 2 in (50.8 mm) × 0.0305 in (0.77 mm)	11.672 in (296.47 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-D1A-front · Exterior veneer · D1A-front	23.03 in (584.96 mm) × 1.968 in (49.99 mm) × 0.0305 in (0.77 mm)	22.53 in (572.26 mm) × 1.468 in (37.29 mm) × 0.0305 in (0.77 mm)
V-D1B-front · Exterior veneer · D1B-front	23.03 in (584.96 mm) × 1.99925 in (50.78 mm) × 0.0305 in (0.77 mm)	22.53 in (572.26 mm) × 1.49925 in (38.08 mm) × 0.0305 in (0.77 mm)
V-D1C-front · Exterior veneer · D1C-front	8.922 in (226.62 mm) × 1.968 in (49.99 mm) × 0.0305 in (0.77 mm)	8.422 in (213.92 mm) × 1.468 in (37.29 mm) × 0.0305 in (0.77 mm)
V-D1D-front · Exterior veneer · D1D-front	8.922 in (226.62 mm) × 1.968 in (49.99 mm) × 0.0305 in (0.77 mm)	8.422 in (213.92 mm) × 1.468 in (37.29 mm) × 0.0305 in (0.77 mm)
V-D1-hinge-edge · Exterior veneer · D1-hinge-edge	22.969 in (583.41 mm) × 2 in (50.8 mm) × 0.0305 in (0.77 mm)	22.469 in (570.71 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)

Cut list · continued

One of each ID. Length follows allocated grain. Rough blanks retain fitting allowance; finished sizes are reference geometry. V-parts represent the complete cured veneer stack. Front-frame layers are listed individually. For EPDM, the rough column gives the free thickness to purchase and cut; the installed column gives the lightly compressed reference thickness. Actual compression remains a receiving trial.

Part	Rough length × width × thickness	Finished / installed length × width × thickness
V-D1-latch-edge · Exterior veneer · D1-latch-edge	22.969 in (583.41 mm) × 2 in (50.8 mm) × 0.0305 in (0.77 mm)	22.469 in (570.71 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-D1-bottom · Exterior veneer · D1-bottom	11.88925 in (301.99 mm) × 2 in (50.8 mm) × 0.0305 in (0.77 mm)	11.38925 in (289.29 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-D1-top · Exterior veneer · D1-top	11.88925 in (301.99 mm) × 2 in (50.8 mm) × 0.0305 in (0.77 mm)	11.38925 in (289.29 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-D1-window-left · Exterior veneer · D1-window-left	20.033 in (508.84 mm) × 2 in (50.8 mm) × 0.0305 in (0.77 mm)	19.533 in (496.14 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-D1-window-right · Exterior veneer · D1-window-right	20.033 in (508.84 mm) × 2 in (50.8 mm) × 0.0305 in (0.77 mm)	19.533 in (496.14 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-D1-window-bottom · Exterior veneer · D1-window-bottom	8.922 in (226.62 mm) × 2 in (50.8 mm) × 0.0305 in (0.77 mm)	8.422 in (213.92 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-D1-window-top · Exterior veneer · D1-window-top	8.922 in (226.62 mm) × 2 in (50.8 mm) × 0.0305 in (0.77 mm)	8.422 in (213.92 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-D2A-front · Exterior veneer · D2A-front	23.03 in (584.96 mm) × 1.99925 in (50.78 mm) × 0.0305 in (0.77 mm)	22.53 in (572.26 mm) × 1.49925 in (38.08 mm) × 0.0305 in (0.77 mm)
V-D2B-front · Exterior veneer · D2B-front	23.03 in (584.96 mm) × 1.968 in (49.99 mm) × 0.0305 in (0.77 mm)	22.53 in (572.26 mm) × 1.468 in (37.29 mm) × 0.0305 in (0.77 mm)
V-D2C-front · Exterior veneer · D2C-front	8.922 in (226.62 mm) × 1.968 in (49.99 mm) × 0.0305 in (0.77 mm)	8.422 in (213.92 mm) × 1.468 in (37.29 mm) × 0.0305 in (0.77 mm)

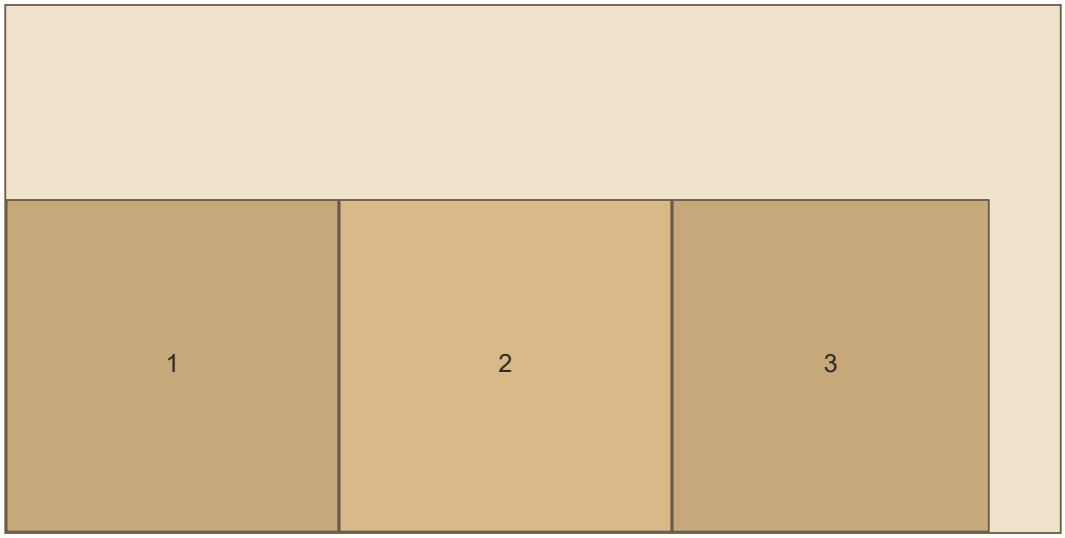
Cut list · continued

One of each ID. Length follows allocated grain. Rough blanks retain fitting allowance; finished sizes are reference geometry. V-parts represent the complete cured veneer stack. Front-frame layers are listed individually. For EPDM, the rough column gives the free thickness to purchase and cut; the installed column gives the lightly compressed reference thickness. Actual compression remains a receiving trial.

Part	Rough length × width × thickness	Finished / installed length × width × thickness
V-D2D-front · Exterior veneer · D2D-front	8.922 in (226.62 mm) × 1.968 in (49.99 mm) × 0.0305 in (0.77 mm)	8.422 in (213.92 mm) × 1.468 in (37.29 mm) × 0.0305 in (0.77 mm)
V-D2-hinge-edge · Exterior veneer · D2-hinge-edge	22.969 in (583.41 mm) × 2 in (50.8 mm) × 0.0305 in (0.77 mm)	22.469 in (570.71 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-D2-latch-edge · Exterior veneer · D2-latch-edge	22.969 in (583.41 mm) × 2 in (50.8 mm) × 0.0305 in (0.77 mm)	22.469 in (570.71 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-D2-bottom · Exterior veneer · D2-bottom	11.88925 in (301.99 mm) × 2 in (50.8 mm) × 0.0305 in (0.77 mm)	11.38925 in (289.29 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-D2-top · Exterior veneer · D2-top	11.88925 in (301.99 mm) × 2 in (50.8 mm) × 0.0305 in (0.77 mm)	11.38925 in (289.29 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-D2-window-left · Exterior veneer · D2-window-left	20.033 in (508.84 mm) × 2 in (50.8 mm) × 0.0305 in (0.77 mm)	19.533 in (496.14 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-D2-window-right · Exterior veneer · D2-window-right	20.033 in (508.84 mm) × 2 in (50.8 mm) × 0.0305 in (0.77 mm)	19.533 in (496.14 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-D2-window-bottom · Exterior veneer · D2-window-bottom	8.922 in (226.62 mm) × 2 in (50.8 mm) × 0.0305 in (0.77 mm)	8.422 in (213.92 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-D2-window-top · Exterior veneer · D2-window-top	8.922 in (226.62 mm) × 2 in (50.8 mm) × 0.0305 in (0.77 mm)	8.422 in (213.92 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)

PLY-1 · rough-stock cutting plan

PLY-1 · numbered rough-stock allocation



95.88 in (2435.35 mm) × 47.964 in (1218.29 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and grain direction

Grain-fixed guillotine allocation; defect-free stock; safe tool/hold-down rehearsal required

PLY-1 · rough blank positions

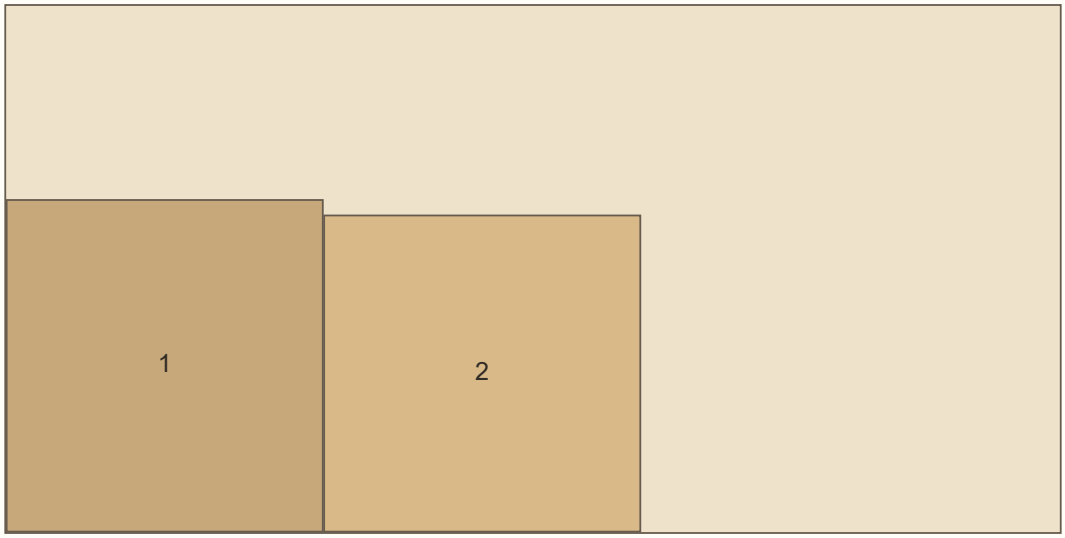
Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

Number / ID	Stock X / Y	Rough length × width
1 · P01	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	30 1/8 in (765.18 mm) × 30 1/8 in (765.18 mm)
2 · P02	30 3/8 in (771.53 mm) / 1/8 in (3.18 mm)	30 1/8 in (765.18 mm) × 30 1/8 in (765.18 mm)
3 · P03	60 5/8 in (1539.88 mm) / 1/8 in (3.18 mm)	28.719 in (729.46 mm) × 30 1/8 in (765.18 mm)

Stock 95.88 in (2435.35 mm) × 47.964 in (1218.29 mm); End trim 1/8 in (3.18 mm); edge trim 1/8 in (3.18 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

PLY-2 · rough-stock cutting plan

PLY-2 · numbered rough-stock allocation



95.88 in (2435.35 mm) × 47.964 in (1218.29 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and grain direction

Grain-fixed guillotine allocation; defect-free stock; safe tool/hold-down rehearsal required

PLY-2 · rough blank positions

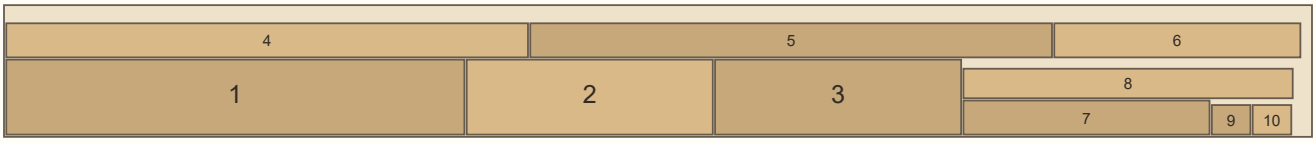
Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

Number / ID	Stock X / Y	Rough length × width
1 · P04	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	28.719 in (729.46 mm) × 30 1/8 in (765.18 mm)
2 · P05	28.969 in (735.81 mm) / 1/8 in (3.18 mm)	28.719 in (729.46 mm) × 28.719 in (729.46 mm)

Stock 95.88 in (2435.35 mm) × 47.964 in (1218.29 mm); End trim 1/8 in (3.18 mm); edge trim 1/8 in (3.18 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

PINE-1 · rough-stock cutting plan

PINE-1 · numbered rough-stock allocation



72 in (1828.8 mm) × 7 1/4 in (184.15 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and grain direction

Grain-fixed guillotine allocation; defect-free stock; safe tool/hold-down rehearsal required

PINE-1 · rough blank positions

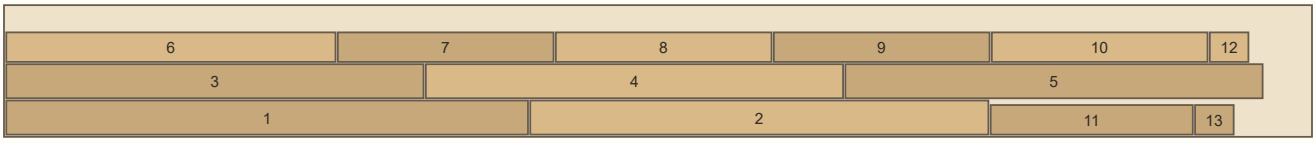
Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

Number / ID	Stock X / Y	Rough length × width
1 · F03	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	25.219 in (640.56 mm) × 4 1/8 in (104.78 mm)
2 · F07	25.469 in (646.91 mm) / 1/8 in (3.18 mm)	13.547 in (344.09 mm) × 4 1/8 in (104.78 mm)
3 · F08	39.141 in (994.18 mm) / 1/8 in (3.18 mm)	13.547 in (344.09 mm) × 4 1/8 in (104.78 mm)
4 · F01	1/8 in (3.18 mm) / 4 3/8 in (111.13 mm)	28.719 in (729.46 mm) × 1 7/8 in (47.63 mm)
5 · F02	28.969 in (735.81 mm) / 4 3/8 in (111.13 mm)	28.719 in (729.46 mm) × 1 7/8 in (47.63 mm)
6 · F09	57.813 in (1468.45 mm) / 4 3/8 in (111.13 mm)	13.547 in (344.09 mm) × 1 7/8 in (47.63 mm)
7 · F10	52.813 in (1341.45 mm) / 1/8 in (3.18 mm)	13.547 in (344.09 mm) × 1 7/8 in (47.63 mm)
8 · R03	52.813 in (1341.45 mm) / 2 1/8 in (53.98 mm)	18 1/8 in (460.38 mm) × 1 5/8 in (41.28 mm)
9 · V1F	66.485 in (1688.72 mm) / 1/8 in (3.18 mm)	2 1/8 in (53.98 mm) × 1 5/8 in (41.28 mm)
10 · V1R	68.735 in (1745.87 mm) / 1/8 in (3.18 mm)	2 1/8 in (53.98 mm) × 1 5/8 in (41.28 mm)

Stock 72 in (1828.8 mm) × 7 1/4 in (184.15 mm); End trim 1/8 in (3.18 mm); edge trim 1/8 in (3.18 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

PINE-2 · rough-stock cutting plan

PINE-2 · numbered rough-stock allocation



72 in (1828.8 mm) × 7 1/4 in (184.15 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and grain direction

Grain-fixed guillotine allocation; defect-free stock; safe tool/hold-down rehearsal required

PINE-2 · rough blank positions

Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

Number / ID	Stock X / Y	Rough length × width
1 · F06	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	28.719 in (729.46 mm) × 1 7/8 in (47.63 mm)
2 · F04	28.969 in (735.81 mm) / 1/8 in (3.18 mm)	25.219 in (640.56 mm) × 1 7/8 in (47.63 mm)
3 · F05	1/8 in (3.18 mm) / 2 1/8 in (53.98 mm)	22.969 in (583.41 mm) × 1 7/8 in (47.63 mm)
4 · F11	23.219 in (589.76 mm) / 2 1/8 in (53.98 mm)	22.969 in (583.41 mm) × 1 7/8 in (47.63 mm)
5 · F12	46.313 in (1176.35 mm) / 2 1/8 in (53.98 mm)	22.969 in (583.41 mm) × 1 7/8 in (47.63 mm)
6 · R04	1/8 in (3.18 mm) / 4 1/8 in (104.78 mm)	18 1/8 in (460.38 mm) × 1 5/8 in (41.28 mm)
7 · R01A	18 3/8 in (466.73 mm) / 4 1/8 in (104.78 mm)	11 7/8 in (301.63 mm) × 1 5/8 in (41.28 mm)
8 · R01B	30 3/8 in (771.53 mm) / 4 1/8 in (104.78 mm)	11 7/8 in (301.63 mm) × 1 5/8 in (41.28 mm)
9 · R02A	42 3/8 in (1076.33 mm) / 4 1/8 in (104.78 mm)	11 7/8 in (301.63 mm) × 1 5/8 in (41.28 mm)
10 · R02B	54 3/8 in (1381.13 mm) / 4 1/8 in (104.78 mm)	11 7/8 in (301.63 mm) × 1 5/8 in (41.28 mm)
11 · V1B	54.313 in (1379.55 mm) / 1/8 in (3.18 mm)	11 1/8 in (282.58 mm) × 1 5/8 in (41.28 mm)
12 · V2F	66 3/8 in (1685.93 mm) / 4 1/8 in (104.78 mm)	2 1/8 in (53.98 mm) × 1 5/8 in (41.28 mm)
13 · V2R	65.563 in (1665.3 mm) / 1/8 in (3.18 mm)	2 1/8 in (53.98 mm) × 1 5/8 in (41.28 mm)

Stock 72 in (1828.8 mm) × 7 1/4 in (184.15 mm); End trim 1/8 in (3.18 mm); edge trim 1/8 in (3.18 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

PINE-3 · rough-stock cutting plan

PINE-3 · numbered rough-stock allocation



72 in (1828.8 mm) × 7 1/4 in (184.15 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and grain direction

Grain-fixed guillotine allocation; defect-free stock; safe tool/hold-down rehearsal required

PINE-3 · rough blank positions

Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

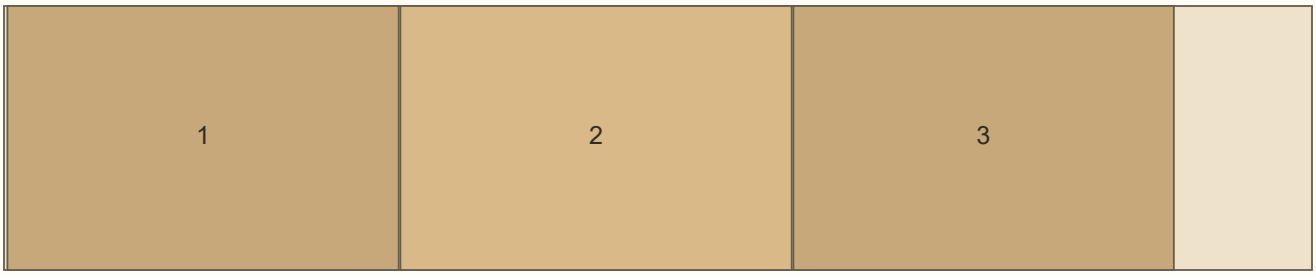
Number / ID	Stock X / Y	Rough length × width
1 · V1T	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	11 1/8 in (282.58 mm) × 1 5/8 in (41.28 mm)
2 · V2B	1/8 in (3.18 mm) / 1 7/8 in (47.63 mm)	11 1/8 in (282.58 mm) × 1 5/8 in (41.28 mm)
3 · V2T	1/8 in (3.18 mm) / 3 5/8 in (92.08 mm)	11 1/8 in (282.58 mm) × 1 5/8 in (41.28 mm)

Stock 72 in (1828.8 mm) × 7 1/4 in (184.15 mm); End trim 1/8 in (3.18 mm); edge trim 1/8 in (3.18 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

SOLID-1 · rough-stock cutting plan

SOLID-1 · numbered rough-stock allocation

Stock width enlarged for readability; use the listed dimensions



96 in (2438.4 mm) × 1 1/2 in (38.1 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and grain direction

Crosscut oversize while safely supported, then rip/fit required section using guarded fixtures. Tool minimum feed lengths govern.

SOLID-1 · rough blank positions

Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

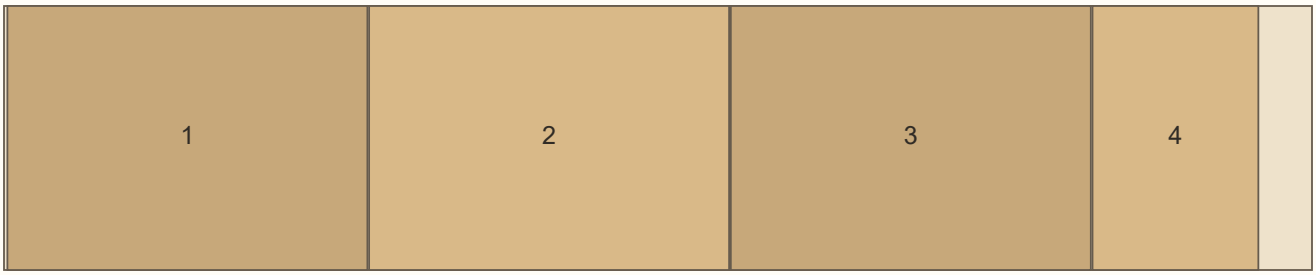
Number / ID	Stock X / Y	Rough length × width
1 · C01	1/4 in (6.35 mm) / 0 in (0 mm)	28.719 in (729.46 mm) × 1 1/2 in (38.1 mm)
2 · C02	29.094 in (738.99 mm) / 0 in (0 mm)	28.719 in (729.46 mm) × 1 1/2 in (38.1 mm)
3 · C11	57.938 in (1471.63 mm) / 0 in (0 mm)	27.922 in (709.22 mm) × 1 1/2 in (38.1 mm)

Stock 96 in (2438.4 mm) × 1 1/2 in (38.1 mm); End trim 1/4 in (6.35 mm); edge trim 0 in (0 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

SOLID-2 · rough-stock cutting plan

SOLID-2 · numbered rough-stock allocation

Stock width enlarged for readability; use the listed dimensions



96 in (2438.4 mm) × 1 1/2 in (38.1 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and grain direction

Crosscut oversize while safely supported, then rip/fit required section using guarded fixtures. Tool minimum feed lengths govern.

SOLID-2 · rough blank positions

Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

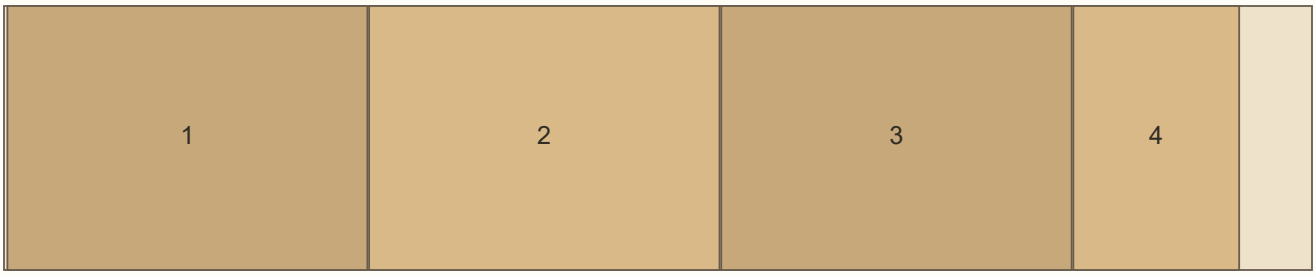
Number / ID	Stock X / Y	Rough length × width
1 · C03	1/4 in (6.35 mm) / 0 in (0 mm)	26.422 in (671.12 mm) × 1 1/2 in (38.1 mm)
2 · C04	26.797 in (680.64 mm) / 0 in (0 mm)	26.422 in (671.12 mm) × 1 1/2 in (38.1 mm)
3 · C05	53.344 in (1354.94 mm) / 0 in (0 mm)	26.422 in (671.12 mm) × 1 1/2 in (38.1 mm)
4 · C09A	79.891 in (2029.23 mm) / 0 in (0 mm)	12.172 in (309.17 mm) × 1 1/2 in (38.1 mm)

Stock 96 in (2438.4 mm) × 1 1/2 in (38.1 mm); End trim 1/4 in (6.35 mm); edge trim 0 in (0 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

SOLID-3 · rough-stock cutting plan

SOLID-3 · numbered rough-stock allocation

Stock width enlarged for readability; use the listed dimensions



96 in (2438.4 mm) × 1 1/2 in (38.1 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and grain direction

Crosscut oversize while safely supported, then rip/fit required section using guarded fixtures. Tool minimum feed lengths govern.

SOLID-3 · rough blank positions

Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

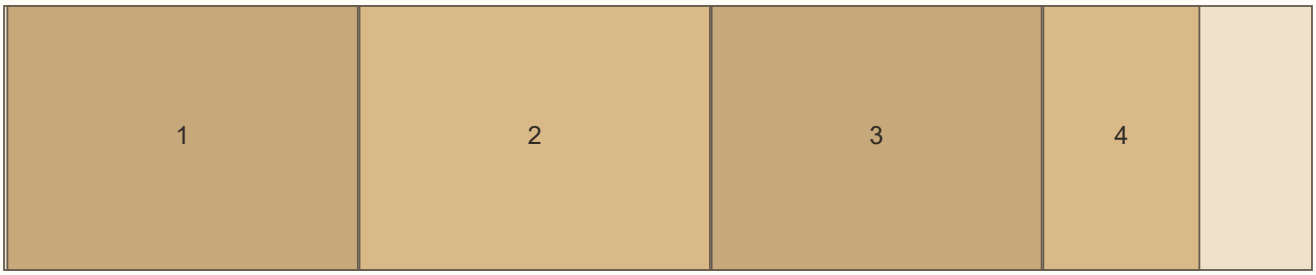
Number / ID	Stock X / Y	Rough length × width
1 · C06	1/4 in (6.35 mm) / 0 in (0 mm)	26.422 in (671.12 mm) × 1 1/2 in (38.1 mm)
2 · C07	26.797 in (680.64 mm) / 0 in (0 mm)	25.719 in (653.26 mm) × 1 1/2 in (38.1 mm)
3 · C08	52.641 in (1337.08 mm) / 0 in (0 mm)	25.719 in (653.26 mm) × 1 1/2 in (38.1 mm)
4 · C09B	78.485 in (1993.52 mm) / 0 in (0 mm)	12.172 in (309.17 mm) × 1 1/2 in (38.1 mm)

Stock 96 in (2438.4 mm) × 1 1/2 in (38.1 mm); End trim 1/4 in (6.35 mm); edge trim 0 in (0 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

SOLID-4 · rough-stock cutting plan

SOLID-4 · numbered rough-stock allocation

Stock width enlarged for readability; use the listed dimensions



96 in (2438.4 mm) × 1 1/2 in (38.1 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and grain direction

Crosscut oversize while safely supported, then rip/fit required section using guarded fixtures. Tool minimum feed lengths govern.

SOLID-4 · rough blank positions

Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

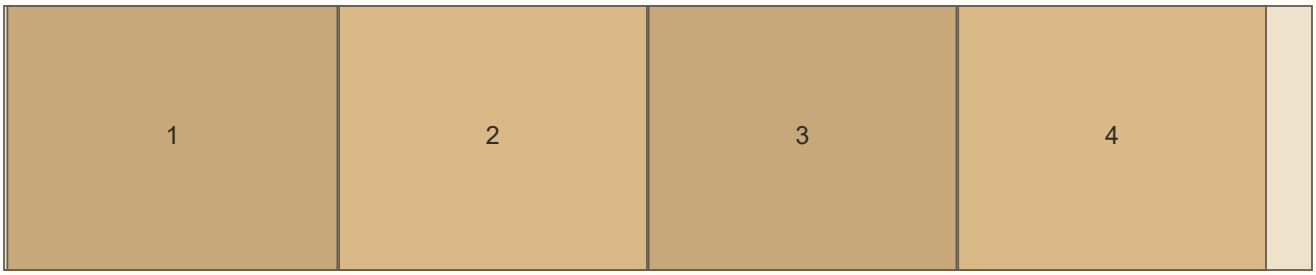
Number / ID	Stock X / Y	Rough length × width
1 · C10	1/4 in (6.35 mm) / 0 in (0 mm)	25.719 in (653.26 mm) × 1 1/2 in (38.1 mm)
2 · C12	26.094 in (662.79 mm) / 0 in (0 mm)	25.719 in (653.26 mm) × 1 1/2 in (38.1 mm)
3 · C13	51.938 in (1319.23 mm) / 0 in (0 mm)	24.219 in (615.16 mm) × 1 1/2 in (38.1 mm)
4 · D1C	76.282 in (1937.56 mm) / 0 in (0 mm)	11.45325 in (290.91 mm) × 1 1/2 in (38.1 mm)

Stock 96 in (2438.4 mm) × 1 1/2 in (38.1 mm); End trim 1/4 in (6.35 mm); edge trim 0 in (0 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

SOLID-5 · rough-stock cutting plan

SOLID-5 · numbered rough-stock allocation

Stock width enlarged for readability; use the listed dimensions



96 in (2438.4 mm) × 1 1/2 in (38.1 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and grain direction

Crosscut oversize while safely supported, then rip/fit required section using guarded fixtures. Tool minimum feed lengths govern.

SOLID-5 · rough blank positions

Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

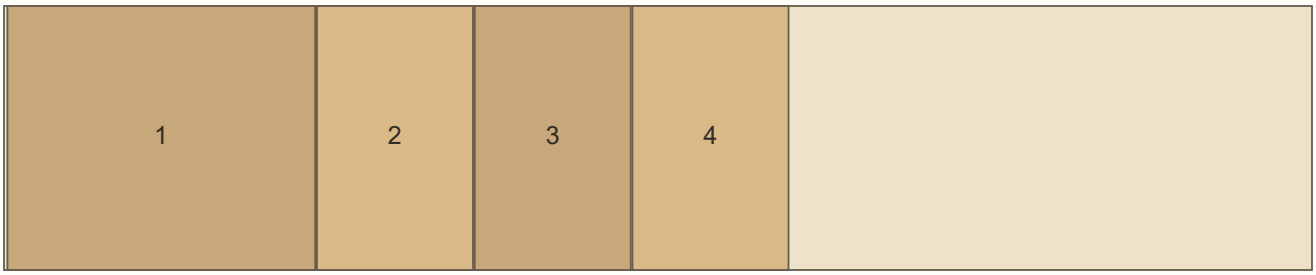
Number / ID	Stock X / Y	Rough length × width
1 · C14	1/4 in (6.35 mm) / 0 in (0 mm)	24.219 in (615.16 mm) × 1 1/2 in (38.1 mm)
2 · D1A	24.594 in (624.69 mm) / 0 in (0 mm)	22.594 in (573.89 mm) × 1 1/2 in (38.1 mm)
3 · D1B	47.313 in (1201.75 mm) / 0 in (0 mm)	22.594 in (573.89 mm) × 1 1/2 in (38.1 mm)
4 · D2A	70.032 in (1778.81 mm) / 0 in (0 mm)	22.594 in (573.89 mm) × 1 1/2 in (38.1 mm)

Stock 96 in (2438.4 mm) × 1 1/2 in (38.1 mm); End trim 1/4 in (6.35 mm); edge trim 0 in (0 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

SOLID-6 · rough-stock cutting plan

SOLID-6 · numbered rough-stock allocation

Stock width enlarged for readability; use the listed dimensions



96 in (2438.4 mm) × 1 1/2 in (38.1 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and grain direction

Crosscut oversize while safely supported, then rip/fit required section using guarded fixtures. Tool minimum feed lengths govern.

SOLID-6 · rough blank positions

Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

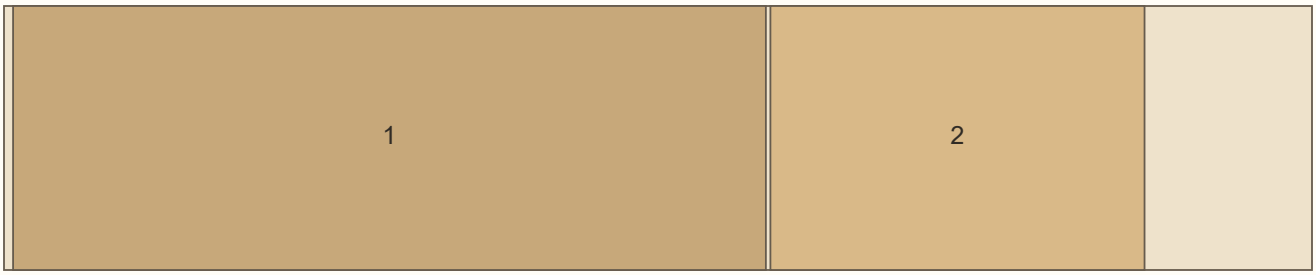
Number / ID	Stock X / Y	Rough length × width
1 · D2B	1/4 in (6.35 mm) / 0 in (0 mm)	22.594 in (573.89 mm) × 1 1/2 in (38.1 mm)
2 · D1D	22.969 in (583.41 mm) / 0 in (0 mm)	11.45325 in (290.91 mm) × 1 1/2 in (38.1 mm)
3 · D2C	34.54725 in (877.5 mm) / 0 in (0 mm)	11.45325 in (290.91 mm) × 1 1/2 in (38.1 mm)
4 · D2D	46.1255 in (1171.59 mm) / 0 in (0 mm)	11.45325 in (290.91 mm) × 1 1/2 in (38.1 mm)

Stock 96 in (2438.4 mm) × 1 1/2 in (38.1 mm); End trim 1/4 in (6.35 mm); edge trim 0 in (0 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

SPACER-1 · rough-stock cutting plan

SPACER-1 · numbered rough-stock allocation

Stock width enlarged for readability; use the listed dimensions



36 in (914.4 mm) × 3/8 in (9.53 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and grain direction

Crosscut oversize while safely supported, then rip/fit required section using guarded fixtures. Tool minimum feed lengths govern.

SPACER-1 · rough blank positions

Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

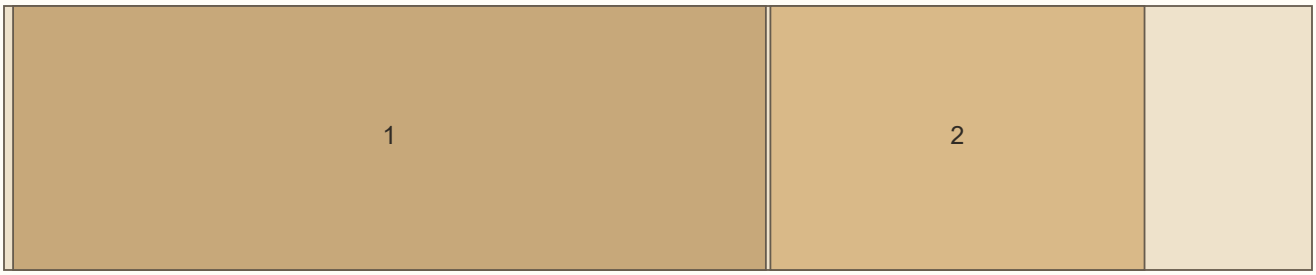
Number / ID	Stock X / Y	Rough length × width
1 · Q1L	1/4 in (6.35 mm) / 0 in (0 mm)	20.719 in (526.26 mm) × 3/8 in (9.53 mm)
2 · Q1B	21.094 in (535.79 mm) / 0 in (0 mm)	10.297 in (261.54 mm) × 3/8 in (9.53 mm)

Stock 36 in (914.4 mm) × 3/8 in (9.53 mm); End trim 1/4 in (6.35 mm); edge trim 0 in (0 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

SPACER-2 · rough-stock cutting plan

SPACER-2 · numbered rough-stock allocation

Stock width enlarged for readability; use the listed dimensions



36 in (914.4 mm) × 3/8 in (9.53 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and grain direction

Crosscut oversize while safely supported, then rip/fit required section using guarded fixtures. Tool minimum feed lengths govern.

SPACER-2 · rough blank positions

Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

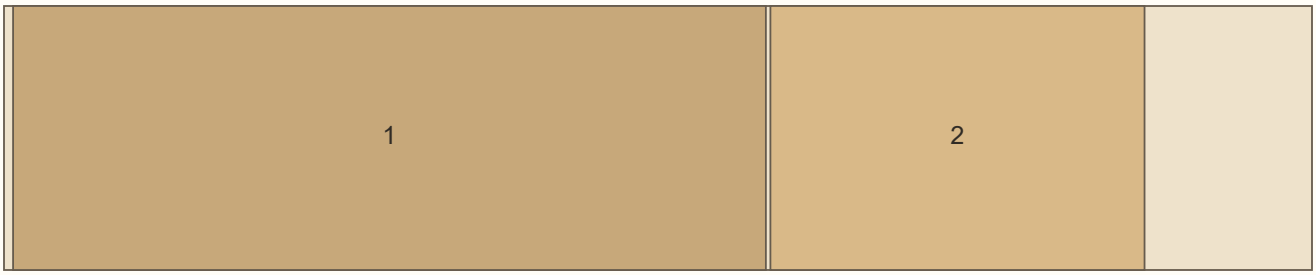
Number / ID	Stock X / Y	Rough length × width
1 · Q1R	1/4 in (6.35 mm) / 0 in (0 mm)	20.719 in (526.26 mm) × 3/8 in (9.53 mm)
2 · Q1T	21.094 in (535.79 mm) / 0 in (0 mm)	10.297 in (261.54 mm) × 3/8 in (9.53 mm)

Stock 36 in (914.4 mm) × 3/8 in (9.53 mm); End trim 1/4 in (6.35 mm); edge trim 0 in (0 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

SPACER-3 · rough-stock cutting plan

SPACER-3 · numbered rough-stock allocation

Stock width enlarged for readability; use the listed dimensions



36 in (914.4 mm) × 3/8 in (9.53 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and grain direction

Crosscut oversize while safely supported, then rip/fit required section using guarded fixtures. Tool minimum feed lengths govern.

SPACER-3 · rough blank positions

Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

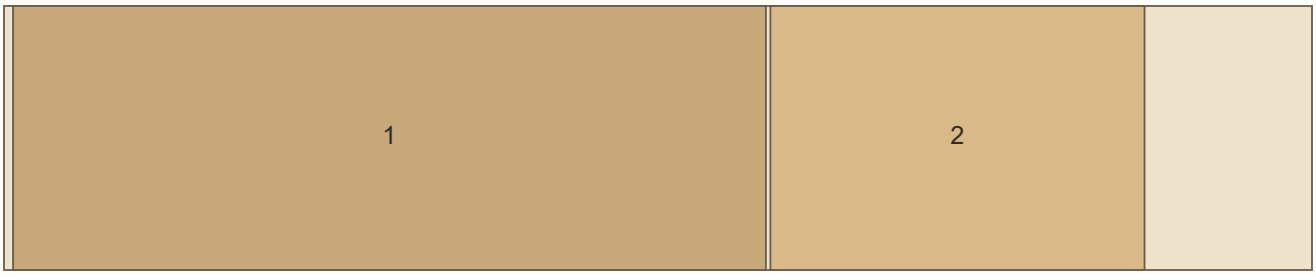
Number / ID	Stock X / Y	Rough length × width
1 · Q2L	1/4 in (6.35 mm) / 0 in (0 mm)	20.719 in (526.26 mm) × 3/8 in (9.53 mm)
2 · Q2B	21.094 in (535.79 mm) / 0 in (0 mm)	10.297 in (261.54 mm) × 3/8 in (9.53 mm)

Stock 36 in (914.4 mm) × 3/8 in (9.53 mm); End trim 1/4 in (6.35 mm); edge trim 0 in (0 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

SPACER-4 · rough-stock cutting plan

SPACER-4 · numbered rough-stock allocation

Stock width enlarged for readability; use the listed dimensions



36 in (914.4 mm) × 3/8 in (9.53 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and grain direction

Crosscut oversize while safely supported, then rip/fit required section using guarded fixtures. Tool minimum feed lengths govern.

SPACER-4 · rough blank positions

Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

Number / ID	Stock X / Y	Rough length × width
1 · Q2R	1/4 in (6.35 mm) / 0 in (0 mm)	20.719 in (526.26 mm) × 3/8 in (9.53 mm)
2 · Q2T	21.094 in (535.79 mm) / 0 in (0 mm)	10.297 in (261.54 mm) × 3/8 in (9.53 mm)

Stock 36 in (914.4 mm) × 3/8 in (9.53 mm); End trim 1/4 in (6.35 mm); edge trim 0 in (0 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

CAP-LATTICE-1 · rough-stock cutting plan

CAP-LATTICE-1 · numbered rough-stock allocation

Stock width enlarged for readability; use the listed dimensions



96 in (2438.4 mm) × 1 3/4 in (44.45 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and grain direction

Crosscut oversize while safely supported, then rip/fit required section using guarded fixtures. Tool minimum feed lengths govern.

CAP-LATTICE-1 · rough blank positions

Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

Number / ID	Stock X / Y	Rough length × width
1 · B1L	1/4 in (6.35 mm) / 0 in (0 mm)	19.969 in (507.21 mm) × 1 3/4 in (44.45 mm)
2 · B1R	20.344 in (516.74 mm) / 0 in (0 mm)	19.969 in (507.21 mm) × 1 3/4 in (44.45 mm)
3 · B2L	40.438 in (1027.13 mm) / 0 in (0 mm)	19.969 in (507.21 mm) × 1 3/4 in (44.45 mm)
4 · B2R	60.532 in (1537.51 mm) / 0 in (0 mm)	19.969 in (507.21 mm) × 1 3/4 in (44.45 mm)
5 · B1B	80.626 in (2047.9 mm) / 0 in (0 mm)	10.297 in (261.54 mm) × 1 3/4 in (44.45 mm)

Stock 96 in (2438.4 mm) × 1 3/4 in (44.45 mm); End trim 1/4 in (6.35 mm); edge trim 0 in (0 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

CAP-LATTICE-2 · rough-stock cutting plan

CAP-LATTICE-2 · numbered rough-stock allocation

Stock width enlarged for readability; use the listed dimensions



96 in (2438.4 mm) × 1 3/4 in (44.45 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and grain direction

Crosscut oversize while safely supported, then rip/fit required section using guarded fixtures. Tool minimum feed lengths govern.

CAP-LATTICE-2 · rough blank positions

Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

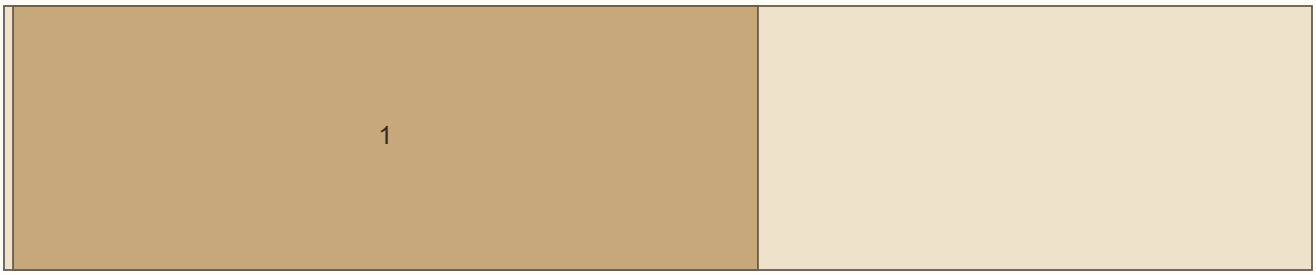
Number / ID	Stock X / Y	Rough length × width
1 · B1T	1/4 in (6.35 mm) / 0 in (0 mm)	10.297 in (261.54 mm) × 1 3/4 in (44.45 mm)
2 · B2B	10.672 in (271.07 mm) / 0 in (0 mm)	10.297 in (261.54 mm) × 1 3/4 in (44.45 mm)
3 · B2T	21.094 in (535.79 mm) / 0 in (0 mm)	10.297 in (261.54 mm) × 1 3/4 in (44.45 mm)

Stock 96 in (2438.4 mm) × 1 3/4 in (44.45 mm); End trim 1/4 in (6.35 mm); edge trim 0 in (0 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

L15-1 · rough-stock cutting plan

L15-1 · numbered rough-stock allocation

Stock width enlarged for readability; use the listed dimensions



36 in (914.4 mm) × 1 in (25.4 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and grain direction

Ordered rectangular stock allocation; use the exact coordinates and the material-specific cutting instructions.

L15-1 · rough blank positions

Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

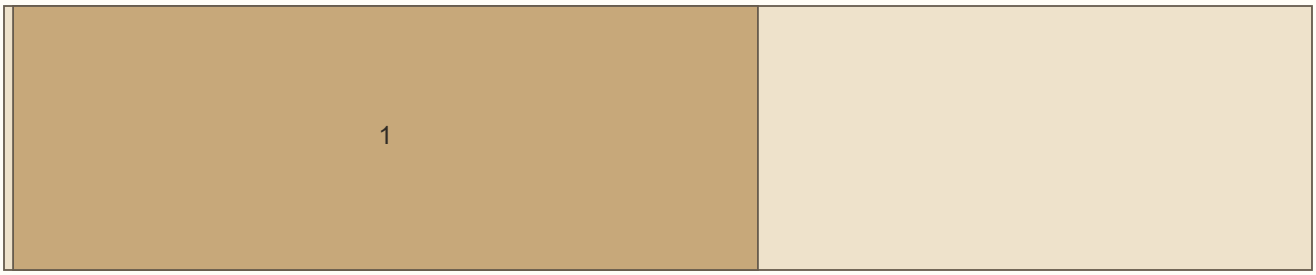
Number / ID	Stock X / Y	Rough length × width
1 · LB1	1/4 in (6.35 mm) / 0 in (0 mm)	20 1/2 in (520.7 mm) × 1 in (25.4 mm)

Stock 36 in (914.4 mm) × 1 in (25.4 mm); End trim 1/4 in (6.35 mm); edge trim 0 in (0 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

L15-2 · rough-stock cutting plan

L15-2 · numbered rough-stock allocation

Stock width enlarged for readability; use the listed dimensions



36 in (914.4 mm) × 1 in (25.4 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and grain direction

Ordered rectangular stock allocation; use the exact coordinates and the material-specific cutting instructions.

L15-2 · rough blank positions

Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

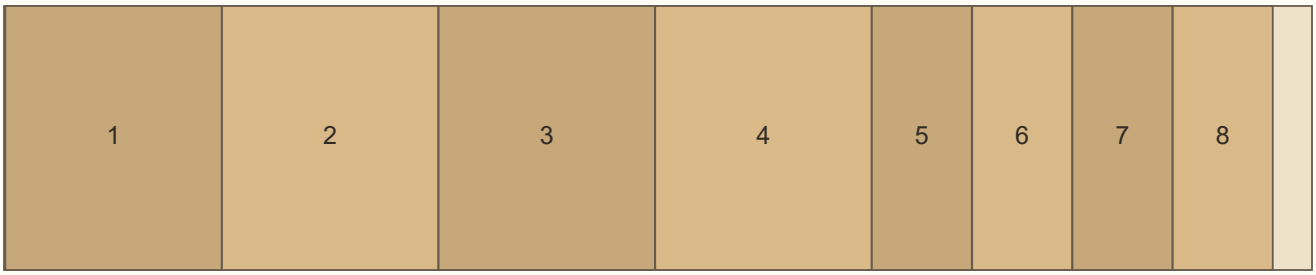
Number / ID	Stock X / Y	Rough length × width
1 · LB2	1/4 in (6.35 mm) / 0 in (0 mm)	20 1/2 in (520.7 mm) × 1 in (25.4 mm)

Stock 36 in (914.4 mm) × 1 in (25.4 mm); End trim 1/4 in (6.35 mm); edge trim 0 in (0 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

GLAZING-EPDM-1 · rough-stock cutting plan

GLAZING-EPDM-1 · numbered rough-stock allocation

Stock width enlarged for readability; use the listed dimensions



120 in (3048 mm) × 1/4 in (6.35 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and grain direction

Ordered rectangular stock allocation; use the exact coordinates and the material-specific cutting instructions.

GLAZING-EPDM-1 · rough blank positions

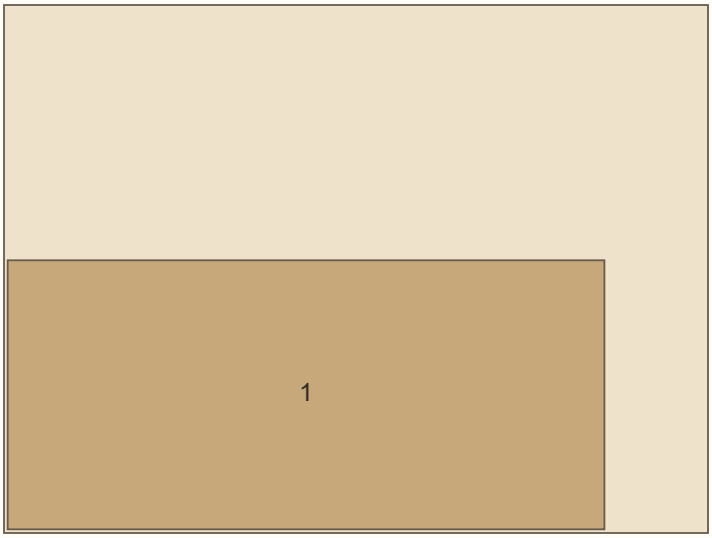
Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

Number / ID	Stock X / Y	Rough length × width
1 · E1L	1/8 in (3.18 mm) / 0 in (0 mm)	19.844 in (504.04 mm) × 1/4 in (6.35 mm)
2 · E1R	19.999 in (507.97 mm) / 0 in (0 mm)	19.844 in (504.04 mm) × 1/4 in (6.35 mm)
3 · E2L	39.873 in (1012.77 mm) / 0 in (0 mm)	19.844 in (504.04 mm) × 1/4 in (6.35 mm)
4 · E2R	59.747 in (1517.57 mm) / 0 in (0 mm)	19.844 in (504.04 mm) × 1/4 in (6.35 mm)
5 · E1B	79.621 in (2022.37 mm) / 0 in (0 mm)	9.172 in (232.97 mm) × 1/4 in (6.35 mm)
6 · E1T	88.823 in (2256.1 mm) / 0 in (0 mm)	9.172 in (232.97 mm) × 1/4 in (6.35 mm)
7 · E2B	98.025 in (2489.84 mm) / 0 in (0 mm)	9.172 in (232.97 mm) × 1/4 in (6.35 mm)
8 · E2T	107.227 in (2723.57 mm) / 0 in (0 mm)	9.172 in (232.97 mm) × 1/4 in (6.35 mm)

Stock 120 in (3048 mm) × 1/4 in (6.35 mm); End trim 1/8 in (3.18 mm); edge trim 0 in (0 mm); kerf/separation 0.03 in (0.76 mm). Keep each blank labeled.

ACR-1 · rough-stock cutting plan

ACR-1 · numbered rough-stock allocation



24 in (609.6 mm) × 18 in (457.2 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and stock direction

Ordered rectangular stock allocation; use the exact coordinates and the material-specific cutting instructions.

ACR-1 · rough blank positions

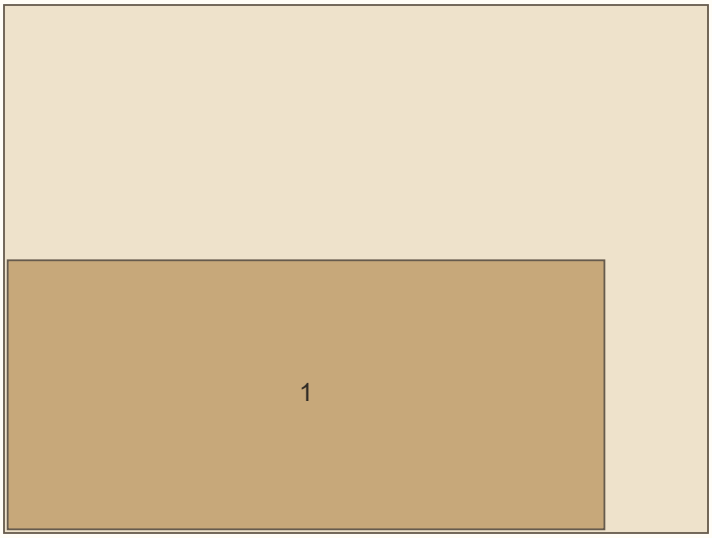
Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

Number / ID	Stock X / Y	Rough length × width
1 · G1	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	20.344 in (516.74 mm) × 9.172 in (232.97 mm)

Stock 24 in (609.6 mm) × 18 in (457.2 mm); End trim 1/8 in (3.18 mm); edge trim 1/8 in (3.18 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

ACR-2 · rough-stock cutting plan

ACR-2 · numbered rough-stock allocation



24 in (609.6 mm) × 18 in (457.2 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and stock direction

Ordered rectangular stock allocation; use the exact coordinates and the material-specific cutting instructions.

ACR-2 · rough blank positions

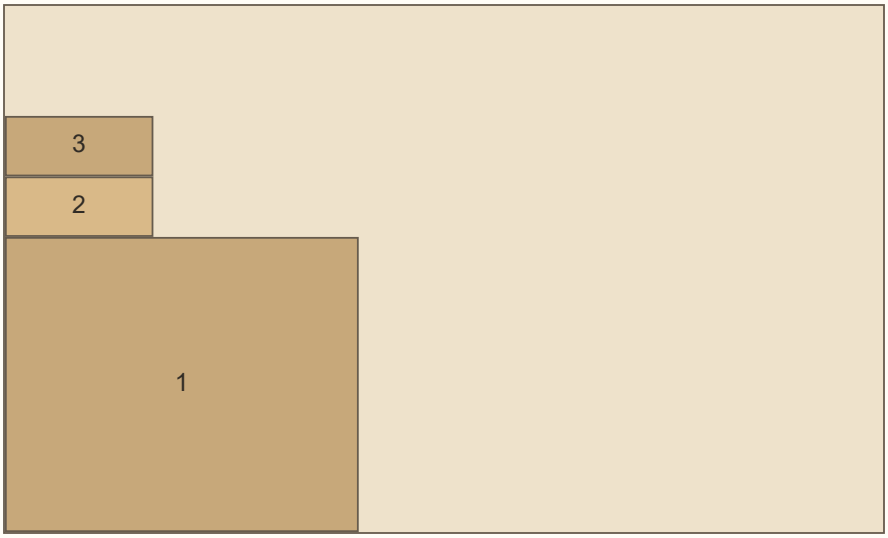
Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

Number / ID	Stock X / Y	Rough length × width
1 · G2	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	20.344 in (516.74 mm) × 9.172 in (232.97 mm)

Stock 24 in (609.6 mm) × 18 in (457.2 mm); End trim 1/8 in (3.18 mm); edge trim 1/8 in (3.18 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

MESH-1 · rough-stock cutting plan

MESH-1 · numbered rough-stock allocation



60 in (1524 mm) × 36 in (914.4 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and stock direction

Ordered rectangular stock allocation; use the exact coordinates and the material-specific cutting instructions.

MESH-1 · rough blank positions

Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

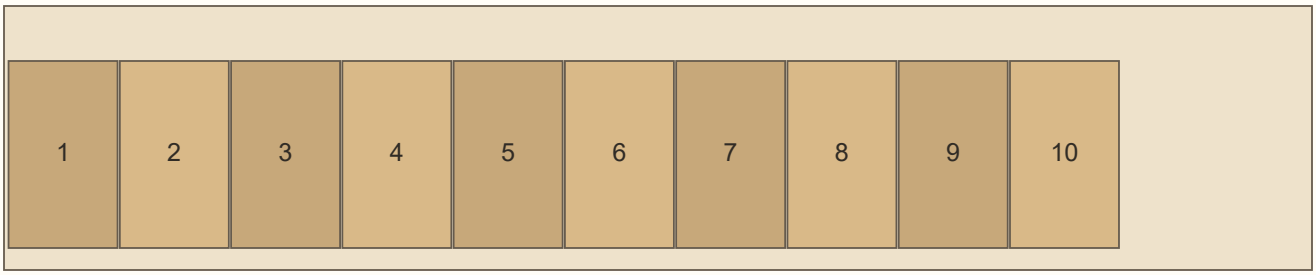
Number / ID	Stock X / Y	Rough length × width
1 · M01	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	24 in (609.6 mm) × 20 in (508 mm)
2 · VM1	1/8 in (3.18 mm) / 20 1/4 in (514.35 mm)	10 in (254 mm) × 4 in (101.6 mm)
3 · VM2	1/8 in (3.18 mm) / 24 3/8 in (619.13 mm)	10 in (254 mm) × 4 in (101.6 mm)

Stock 60 in (1524 mm) × 36 in (914.4 mm); End trim 1/8 in (3.18 mm); edge trim 1/8 in (3.18 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

HSP-1 · rough-stock cutting plan

HSP-1 · numbered rough-stock allocation

Stock width enlarged for readability; use the listed dimensions



36 in (914.4 mm) × 1 1/2 in (38.1 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and stock direction

Ordered rectangular stock allocation; use the exact coordinates and the material-specific cutting instructions.

HSP-1 · rough blank positions

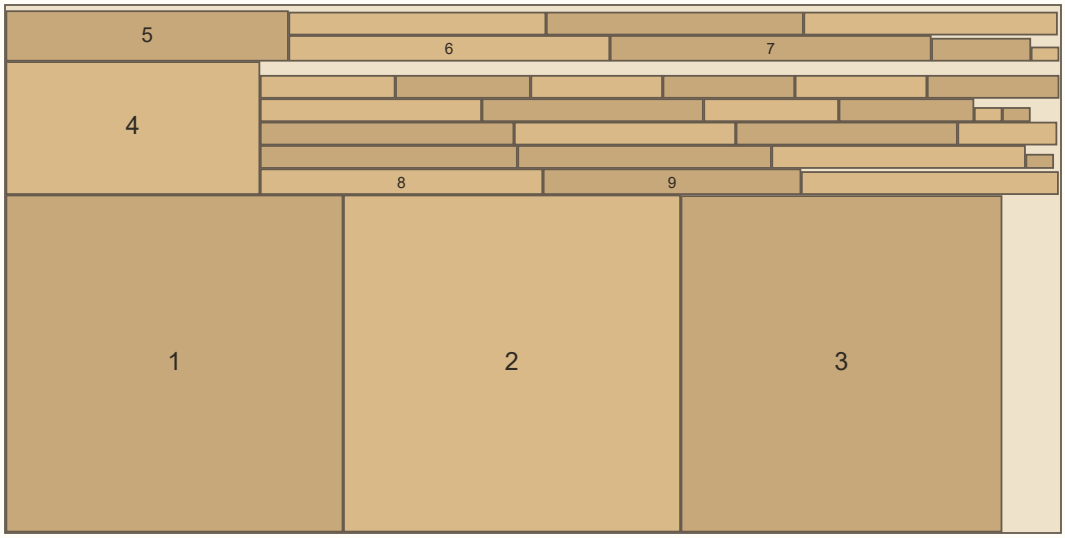
Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

Number / ID	Stock X / Y	Rough length × width
1 · SP-H1-1-fixed	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	3 in (76.2 mm) × 1 1/16 in (26.99 mm)
2 · SP-H1-1-moving	3 3/16 in (80.96 mm) / 1/8 in (3.18 mm)	3 in (76.2 mm) × 1 1/16 in (26.99 mm)
3 · SP-H1-2-fixed	6 1/4 in (158.75 mm) / 1/8 in (3.18 mm)	3 in (76.2 mm) × 1 1/16 in (26.99 mm)
4 · SP-H1-2-moving	9 5/16 in (236.54 mm) / 1/8 in (3.18 mm)	3 in (76.2 mm) × 1 1/16 in (26.99 mm)
5 · SP-H2-1-moving	12 3/8 in (314.33 mm) / 1/8 in (3.18 mm)	3 in (76.2 mm) × 1 1/16 in (26.99 mm)
6 · SP-H2-1-fixed	15 7/16 in (392.11 mm) / 1/8 in (3.18 mm)	3 in (76.2 mm) × 1 1/16 in (26.99 mm)
7 · SP-H2-2-moving	18 1/2 in (469.9 mm) / 1/8 in (3.18 mm)	3 in (76.2 mm) × 1 1/16 in (26.99 mm)
8 · SP-H2-2-fixed	21 9/16 in (547.69 mm) / 1/8 in (3.18 mm)	3 in (76.2 mm) × 1 1/16 in (26.99 mm)
9 · TRIAL-HSP1	24 5/8 in (625.48 mm) / 1/8 in (3.18 mm)	3 in (76.2 mm) × 1 1/16 in (26.99 mm)
10 · TRIAL-HSP2	27 11/16 in (703.26 mm) / 1/8 in (3.18 mm)	3 in (76.2 mm) × 1 1/16 in (26.99 mm)

Stock 36 in (914.4 mm) × 1 1/2 in (38.1 mm); End trim 1/8 in (3.18 mm); edge trim 1/8 in (3.18 mm); kerf/separation 1/16 in (1.59 mm). Keep each blank labeled.

VENEER-1 · rough-stock cutting plan

VENEER-1 · numbered rough-stock allocation



96 in (2438.4 mm) × 48 in (1219.2 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Small pieces use the numbered coordinate tables; identify each blank by its exact stock X / Y.

Grain-fixed guillotine allocation; defect-free stock; safe tool/hold-down rehearsal required

VENEER-1 · rough blank positions

Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

Number / ID	Stock X / Y	Rough length × width
1 · V-floor-under	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	30.561 in (776.25 mm) × 30.561 in (776.25 mm)
2 · V-roof-top	30.811 in (782.6 mm) / 1/8 in (3.18 mm)	30.561 in (776.25 mm) × 30.561 in (776.25 mm)
3 · V-P03-face	61.497 in (1562.02 mm) / 1/8 in (3.18 mm)	29.094 in (738.99 mm) × 30 1/2 in (774.7 mm)
4 · TRIAL-full-door	1/8 in (3.18 mm) / 30.811 in (782.6 mm)	23 in (584.2 mm) × 12 in (304.8 mm)
5 · V-F03-front	1/8 in (3.18 mm) / 42.936 in (1090.57 mm)	25.594 in (650.09 mm) × 4 1/2 in (114.3 mm)
6 · V-F01-front	25.844 in (656.44 mm) / 42.936 in (1090.57 mm)	29.094 in (738.99 mm) × 2 1/4 in (57.15 mm)
7 · V-F02-front	55.063 in (1398.6 mm) / 42.936 in (1090.57 mm)	29.094 in (738.99 mm) × 2 1/4 in (57.15 mm)
8 · V-F04-front	23 1/4 in (590.55 mm) / 30.811 in (782.6 mm)	25.594 in (650.09 mm) × 2 1/4 in (57.15 mm)
9 · V-F05-front	48.969 in (1243.81 mm) / 30.811 in (782.6 mm)	23.344 in (592.94 mm) × 2 1/4 in (57.15 mm)
10 · V-L-jamb-left	25.844 in (656.44 mm) / 45.311 in (1150.9 mm)	23.283 in (591.39 mm) × 2 in (50.8 mm)
11 · V-L-jamb-right	49.252 in (1251 mm) / 45.311 in (1150.9 mm)	23.283 in (591.39 mm) × 2 in (50.8 mm)
12 · V-R-jamb-left	72.438 in (1839.93 mm) / 30.811 in (782.6 mm)	23.283 in (591.39 mm) × 2 in (50.8 mm)
13 · V-R-jamb-right	23 1/4 in (590.55 mm) / 33.186 in (842.92 mm)	23.283 in (591.39 mm) × 2 in (50.8 mm)
14 · V-D1-hinge-edge	72.66 in (1845.56 mm) / 45.311 in (1150.9 mm)	22.969 in (583.41 mm) × 2 in (50.8 mm)
15 · V-D1-latch-edge	46.658 in (1185.11 mm) / 33.186 in (842.92 mm)	22.969 in (583.41 mm) × 2 in (50.8 mm)

Stock 96 in (2438.4 mm) × 48 in (1219.2 mm); End trim 1/8 in (3.18 mm); edge trim 1/8 in (3.18 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

VENEER-1 · rough blank positions

Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

Number / ID	Stock X / Y	Rough length × width
16 · V-D2-hinge-edge	69.752 in (1771.7 mm) / 33.186 in (842.92 mm)	22.969 in (583.41 mm) × 2 in (50.8 mm)
17 · V-D2-latch-edge	23 1/4 in (590.55 mm) / 35.311 in (896.9 mm)	22.969 in (583.41 mm) × 2 in (50.8 mm)
18 · V-D1-window-left	46.344 in (1177.14 mm) / 35.311 in (896.9 mm)	20.033 in (508.84 mm) × 2 in (50.8 mm)
19 · V-D1-window-right	66.502 in (1689.15 mm) / 35.311 in (896.9 mm)	20.033 in (508.84 mm) × 2 in (50.8 mm)
20 · V-D2-window-left	23 1/4 in (590.55 mm) / 37.436 in (950.87 mm)	20.033 in (508.84 mm) × 2 in (50.8 mm)
21 · V-D2-window-right	43.408 in (1102.56 mm) / 37.436 in (950.87 mm)	20.033 in (508.84 mm) × 2 in (50.8 mm)
22 · V-L-sill	63.566 in (1614.58 mm) / 37.436 in (950.87 mm)	12.172 in (309.17 mm) × 2 in (50.8 mm)
23 · V-L-head	75.863 in (1926.92 mm) / 37.436 in (950.87 mm)	12.172 in (309.17 mm) × 2 in (50.8 mm)
24 · V-R-sill	23 1/4 in (590.55 mm) / 39.561 in (1004.85 mm)	12.172 in (309.17 mm) × 2 in (50.8 mm)
25 · V-R-head	35.547 in (902.89 mm) / 39.561 in (1004.85 mm)	12.172 in (309.17 mm) × 2 in (50.8 mm)
26 · V-D1-bottom	47.844 in (1215.24 mm) / 39.561 in (1004.85 mm)	11.88925 in (301.99 mm) × 2 in (50.8 mm)
27 · V-D1-top	59.85825 in (1520.4 mm) / 39.561 in (1004.85 mm)	11.88925 in (301.99 mm) × 2 in (50.8 mm)
28 · V-D2-bottom	71.8725 in (1825.56 mm) / 39.561 in (1004.85 mm)	11.88925 in (301.99 mm) × 2 in (50.8 mm)
29 · V-D2-top	83.88675 in (2130.72 mm) / 39.561 in (1004.85 mm)	11.88925 in (301.99 mm) × 2 in (50.8 mm)
30 · V-D1-window-bottom	86.66 in (2201.16 mm) / 35.311 in (896.9 mm)	8.922 in (226.62 mm) × 2 in (50.8 mm)

Stock 96 in (2438.4 mm) × 48 in (1219.2 mm); End trim 1/8 in (3.18 mm); edge trim 1/8 in (3.18 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

VENEER-1 · rough blank positions

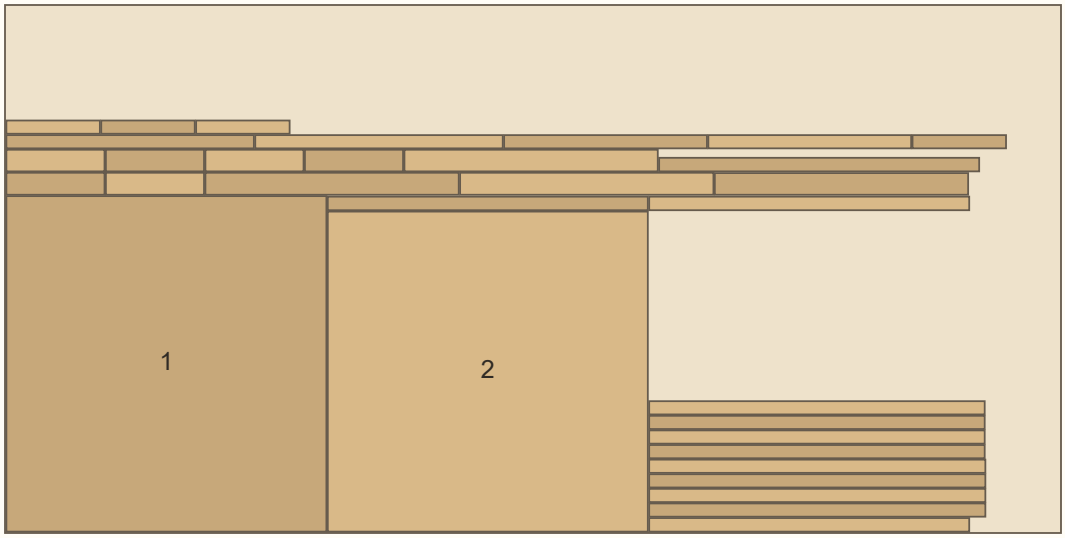
Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

Number / ID	Stock X / Y	Rough length × width
31 · V-D1-window-top	84.282 in (2140.76 mm) / 42.936 in (1090.57 mm)	8.922 in (226.62 mm) × 2 in (50.8 mm)
32 · V-P03-vent-near	93.329 in (2370.56 mm) / 42.936 in (1090.57 mm)	2.439 in (61.95 mm) × 1.203 in (30.56 mm)
33 · V-P03-vent-far	92.846 in (2358.29 mm) / 33.186 in (842.92 mm)	2.439 in (61.95 mm) × 1.203 in (30.56 mm)
34 · V-P04-vent-near	88.16 in (2239.26 mm) / 37.436 in (950.87 mm)	2.439 in (61.95 mm) × 1.203 in (30.56 mm)
35 · V-P04-vent-far	90.724 in (2304.39 mm) / 37.436 in (950.87 mm)	2.439 in (61.95 mm) × 1.203 in (30.56 mm)

Stock 96 in (2438.4 mm) × 48 in (1219.2 mm); End trim 1/8 in (3.18 mm); edge trim 1/8 in (3.18 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

VENEER-2 · rough-stock cutting plan

VENEER-2 · numbered rough-stock allocation



96 in (2438.4 mm) × 48 in (1219.2 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and grain direction

Grain-fixed guillotine allocation; defect-free stock; safe tool/hold-down rehearsal required

VENEER-2 · rough blank positions

Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

Number / ID	Stock X / Y	Rough length × width
1 · V-P04-face	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	29.094 in (738.99 mm) × 30 1/2 in (774.7 mm)
2 · V-back	29.344 in (745.34 mm) / 1/8 in (3.18 mm)	29.094 in (738.99 mm) × 29.094 in (738.99 mm)
3 · V-D2-window-bottom	1/8 in (3.18 mm) / 30 3/4 in (781.05 mm)	8.922 in (226.62 mm) × 2 in (50.8 mm)
4 · V-D2-window-top	9.172 in (232.97 mm) / 30 3/4 in (781.05 mm)	8.922 in (226.62 mm) × 2 in (50.8 mm)
5 · V-D1B-front	18.219 in (462.76 mm) / 30 3/4 in (781.05 mm)	23.03 in (584.96 mm) × 1.99925 in (50.78 mm)
6 · V-D2A-front	41.374 in (1050.9 mm) / 30 3/4 in (781.05 mm)	23.03 in (584.96 mm) × 1.99925 in (50.78 mm)
7 · V-D2B-front	64.529 in (1639.04 mm) / 30 3/4 in (781.05 mm)	23.03 in (584.96 mm) × 1.968 in (49.99 mm)
8 · V-D1C-front	1/8 in (3.18 mm) / 32 7/8 in (835.03 mm)	8.922 in (226.62 mm) × 1.968 in (49.99 mm)
9 · V-D1D-front	9.172 in (232.97 mm) / 32 7/8 in (835.03 mm)	8.922 in (226.62 mm) × 1.968 in (49.99 mm)
10 · V-D2C-front	18.219 in (462.76 mm) / 32 7/8 in (835.03 mm)	8.922 in (226.62 mm) × 1.968 in (49.99 mm)
11 · V-D2D-front	27.266 in (692.56 mm) / 32 7/8 in (835.03 mm)	8.922 in (226.62 mm) × 1.968 in (49.99 mm)
12 · V-D1A-front	36.313 in (922.35 mm) / 32 7/8 in (835.03 mm)	23.03 in (584.96 mm) × 1.968 in (49.99 mm)
13 · V-P03-front	29.344 in (745.34 mm) / 29.344 in (745.34 mm)	29.094 in (738.99 mm) × 1.2335 in (31.33 mm)
14 · V-P03-back	58.563 in (1487.5 mm) / 29.344 in (745.34 mm)	29.094 in (738.99 mm) × 1.2335 in (31.33 mm)
15 · V-P04-front	59.468 in (1510.49 mm) / 32 7/8 in (835.03 mm)	29.094 in (738.99 mm) × 1.2335 in (31.33 mm)

Stock 96 in (2438.4 mm) × 48 in (1219.2 mm); End trim 1/8 in (3.18 mm); edge trim 1/8 in (3.18 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

VENEER-2 · rough blank positions

Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

Number / ID	Stock X / Y	Rough length × width
16 · V-P04-back	58.563 in (1487.5 mm) / 1/8 in (3.18 mm)	29.094 in (738.99 mm) × 1.2335 in (31.33 mm)
17 · V-P01-front	58.563 in (1487.5 mm) / 1.4835 in (37.68 mm)	30.561 in (776.25 mm) × 1.203 in (30.56 mm)
18 · V-P01-back	58.563 in (1487.5 mm) / 2.8115 in (71.41 mm)	30.561 in (776.25 mm) × 1.203 in (30.56 mm)
19 · V-P02-front	58.563 in (1487.5 mm) / 4.1395 in (105.14 mm)	30.561 in (776.25 mm) × 1.203 in (30.56 mm)
20 · V-P02-back	58.563 in (1487.5 mm) / 5.4675 in (138.87 mm)	30.561 in (776.25 mm) × 1.203 in (30.56 mm)
21 · V-P01-left	58.563 in (1487.5 mm) / 6.7955 in (172.61 mm)	30 1/2 in (774.7 mm) × 1.203 in (30.56 mm)
22 · V-P01-right	58.563 in (1487.5 mm) / 8.1235 in (206.34 mm)	30 1/2 in (774.7 mm) × 1.203 in (30.56 mm)
23 · V-P02-left	58.563 in (1487.5 mm) / 9.4515 in (240.07 mm)	30 1/2 in (774.7 mm) × 1.203 in (30.56 mm)
24 · V-P02-right	58.563 in (1487.5 mm) / 10.7795 in (273.8 mm)	30 1/2 in (774.7 mm) × 1.203 in (30.56 mm)
25 · V-roof-opening-front	1/8 in (3.18 mm) / 34.968 in (888.19 mm)	22 1/2 in (571.5 mm) × 1.203 in (30.56 mm)
26 · V-roof-opening-back	22 3/4 in (577.85 mm) / 34.968 in (888.19 mm)	22 1/2 in (571.5 mm) × 1.203 in (30.56 mm)
27 · V-roof-opening-left	45 3/8 in (1152.53 mm) / 34.968 in (888.19 mm)	18.439 in (468.35 mm) × 1.203 in (30.56 mm)
28 · V-roof-opening-right	63.939 in (1624.05 mm) / 34.968 in (888.19 mm)	18.439 in (468.35 mm) × 1.203 in (30.56 mm)
29 · V-P03-vent-bottom	82.503 in (2095.58 mm) / 34.968 in (888.19 mm)	8 1/2 in (215.9 mm) × 1.203 in (30.56 mm)
30 · V-P03-vent-top	1/8 in (3.18 mm) / 36.296 in (921.92 mm)	8 1/2 in (215.9 mm) × 1.203 in (30.56 mm)

Stock 96 in (2438.4 mm) × 48 in (1219.2 mm); End trim 1/8 in (3.18 mm); edge trim 1/8 in (3.18 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

VENEER-2 · rough blank positions

Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

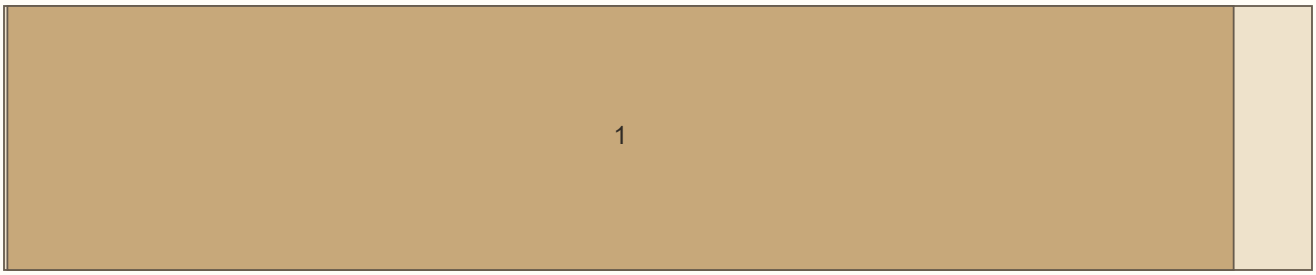
Number / ID	Stock X / Y	Rough length × width
31 · V-P04-vent-bottom	8 3/4 in (222.25 mm) / 36.296 in (921.92 mm)	8 1/2 in (215.9 mm) × 1.203 in (30.56 mm)
32 · V-P04-vent-top	17 3/8 in (441.33 mm) / 36.296 in (921.92 mm)	8 1/2 in (215.9 mm) × 1.203 in (30.56 mm)

Stock 96 in (2438.4 mm) × 48 in (1219.2 mm); End trim 1/8 in (3.18 mm); edge trim 1/8 in (3.18 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

TRIAL-SOLID · rough-stock cutting plan

TRIAL-SOLID · numbered rough-stock allocation

Stock width enlarged for readability; use the listed dimensions



96 in (2438.4 mm) × 1 1/2 in (38.1 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and grain direction

Dedicated long stock for representative complete door, joints, hardware and veneer balance trials; not an installed part.

TRIAL-SOLID · rough blank positions

Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

Number / ID	Stock X / Y	Rough length × width
1 · TRIAL-door-hardware	1/4 in (6.35 mm) / 0 in (0 mm)	90 in (2286 mm) × 1 1/2 in (38.1 mm)

Stock 96 in (2438.4 mm) × 1 1/2 in (38.1 mm); End trim 1/4 in (6.35 mm); edge trim 0 in (0 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

TRIAL-PINE · rough-stock cutting plan

TRIAL-PINE · numbered rough-stock allocation



72 in (1828.8 mm) × 7 1/4 in (184.15 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and grain direction

Separate stock for front lamination, screen relief and finished-glazing fitting trials.

TRIAL-PINE · rough blank positions

Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

Number / ID	Stock X / Y	Rough length × width
1 · TRIAL-layer-and-capture	1/4 in (6.35 mm) / 1/4 in (6.35 mm)	60 in (1524 mm) × 6 1/2 in (165.1 mm)

Stock 72 in (1828.8 mm) × 7 1/4 in (184.15 mm); End trim 1/4 in (6.35 mm); edge trim 1/4 in (6.35 mm); kerf/separation 1/8 in (3.18 mm). Keep each blank labeled.

TRIAL-EPDM · rough-stock cutting plan

TRIAL-EPDM · numbered rough-stock allocation

Stock width enlarged for readability; use the listed dimensions



120 in (3048 mm) × 1/4 in (6.35 mm) stock · length →

Numbers refer to the ordered ID and exact-coordinate table on the following page.
Use the actual trim, kerf and stock/grain direction; rehearse safe support and cut order.

P04-03 · V5 local revision 01 · Reference geometry; actual receiving controls fit

Numbers match the ordered ID table; use exact stock coordinates and grain direction

Separate roll keeps trial, fitting and later replacement reserve; nominal production length nearly consumes the first roll.

TRIAL-EPDM · rough blank positions

Stock X runs along its length and Y across its width from the lower-left corner. These are stock coordinates, separate from assembled fastener stations.

Number / ID	Stock X / Y	Rough length × width
1 · TRIAL-and-service-foam	1/8 in (3.18 mm) / 0 in (0 mm)	12 in (304.8 mm) × 1/4 in (6.35 mm)

Stock 120 in (3048 mm) × 1/4 in (6.35 mm); End trim 1/8 in (3.18 mm); edge trim 0 in (0 mm); kerf/separation 0.03 in (0.76 mm). Keep each blank labeled.

Use the exact fastener stations

Fastener IDs are stable source labels; embedded numbers are not current coordinates. Use the station columns. Assembly X / Y / Z start at outside LEFT / outside FRONT / FLOOR UNDERSIDE. Direction gives the driver axis. Transfer actual clamped receiver centrelines. Include the drill point in stopped depth. Hardware samples control purchased holes and seating.

Install frame lap screws on the bench before the frame enters the shell. The twenty-four #8 flat-head hinge screws pass through received countersunk leaves and matched rigid pads. Veneer leaves all bearing and service seats open.

Type	Installed
SCREW8-125	58
SCREW6-125	24
SCREW8-175	94
SCREW8-250	14
HASP-SCREW	14
BOLT	36

Versioned specification · Cut CSV · Fastener CSV · BOM · Workshop package

Fastener stations · 1–12

Use the assembly datums. First members receive clearance holes; receivers get stopped pilots. Screen screws enter outside at an 82° flush seat. Flat-head length includes the head. Received screws and full-stack trials govern.

ID / type	Through → receiver	Start X / Y / Z	Direction / length
FRAME-LAM-001 · SCREW8-125	F07 → F01	1.578 / 1.5 / 1.328 in 40.08 / 38.10 / 33.73 mm	−Y · 1 1/4 in (31.75 mm)
FRAME-LAM-002 · SCREW8-125	F07 → F01	1.578 / 1.5 / 3.703 in 40.08 / 38.10 / 94.06 mm	−Y · 1 1/4 in (31.75 mm)
FRAME-LAM-003 · SCREW8-125	F11 → F01	1.578 / 1.5 / 10 in 40.08 / 38.10 / 254.00 mm	−Y · 1 1/4 in (31.75 mm)
FRAME-LAM-004 · SCREW8-125	F11 → F01	1.578 / 1.5 / 17 in 40.08 / 38.10 / 431.80 mm	−Y · 1 1/4 in (31.75 mm)
FRAME-LAM-005 · SCREW8-125	F11 → F01	1.578 / 1.5 / 24 in 40.08 / 38.10 / 609.60 mm	−Y · 1 1/4 in (31.75 mm)
FRAME-LAM-006 · SCREW8-125	F09 → F01	1.578 / 1.5 / 28.672 in 40.08 / 38.10 / 728.27 mm	−Y · 1 1/4 in (31.75 mm)
FRAME-LAM-007 · SCREW8-125	F06 → F03	15 / 1.5 / 1.328 in 381.00 / 38.10 / 33.73 mm	−Y · 1 1/4 in (31.75 mm)
FRAME-LAM-008 · SCREW8-125	F06 → F03	15 / 1.5 / 3.703 in 381.00 / 38.10 / 94.06 mm	−Y · 1 1/4 in (31.75 mm)
FRAME-LAM-009 · SCREW8-125	F06 → F05	15 / 1.5 / 10 in 381.00 / 38.10 / 254.00 mm	−Y · 1 1/4 in (31.75 mm)
FRAME-LAM-010 · SCREW8-125	F06 → F05	15 / 1.5 / 17 in 381.00 / 38.10 / 431.80 mm	−Y · 1 1/4 in (31.75 mm)
FRAME-LAM-011 · SCREW8-125	F06 → F05	15 / 1.5 / 24 in 381.00 / 38.10 / 609.60 mm	−Y · 1 1/4 in (31.75 mm)
FRAME-LAM-012 · SCREW8-125	F06 → F04	15 / 1.5 / 28.672 in 381.00 / 38.10 / 728.27 mm	−Y · 1 1/4 in (31.75 mm)

Fastener stations · 13–24

Use the assembly datums. First members receive clearance holes; receivers get stopped pilots. Screen screws enter outside at an 82° flush seat. Flat-head length includes the head. Received screws and full-stack trials govern.

ID / type	Through → receiver	Start X / Y / Z	Direction / length
FRAME-LAM-013 · SCREW8-125	F08 → F02	28.422 / 1.5 / 1.328 in 721.92 / 38.10 / 33.73 mm	−Y · 1 1/4 in (31.75 mm)
FRAME-LAM-014 · SCREW8-125	F08 → F02	28.422 / 1.5 / 3.703 in 721.92 / 38.10 / 94.06 mm	−Y · 1 1/4 in (31.75 mm)
FRAME-LAM-015 · SCREW8-125	F12 → F02	28.422 / 1.5 / 10 in 721.92 / 38.10 / 254.00 mm	−Y · 1 1/4 in (31.75 mm)
FRAME-LAM-016 · SCREW8-125	F12 → F02	28.422 / 1.5 / 17 in 721.92 / 38.10 / 431.80 mm	−Y · 1 1/4 in (31.75 mm)
FRAME-LAM-017 · SCREW8-125	F12 → F02	28.422 / 1.5 / 24 in 721.92 / 38.10 / 609.60 mm	−Y · 1 1/4 in (31.75 mm)
FRAME-LAM-018 · SCREW8-125	F10 → F02	28.422 / 1.5 / 28.672 in 721.92 / 38.10 / 728.27 mm	−Y · 1 1/4 in (31.75 mm)
FRAME-LAM-019 · SCREW8-125	F07 → F03	6 / 1.5 / 2.703 in 152.40 / 38.10 / 68.66 mm	−Y · 1 1/4 in (31.75 mm)
FRAME-LAM-020 · SCREW8-125	F09 → F04	6 / 1.5 / 28.422 in 152.40 / 38.10 / 721.92 mm	−Y · 1 1/4 in (31.75 mm)
FRAME-LAM-021 · SCREW8-125	F07 → F03	10 / 1.5 / 2.703 in 254.00 / 38.10 / 68.66 mm	−Y · 1 1/4 in (31.75 mm)
FRAME-LAM-022 · SCREW8-125	F09 → F04	10 / 1.5 / 28.422 in 254.00 / 38.10 / 721.92 mm	−Y · 1 1/4 in (31.75 mm)
FRAME-LAM-023 · SCREW8-125	F08 → F03	20 / 1.5 / 2.703 in 508.00 / 38.10 / 68.66 mm	−Y · 1 1/4 in (31.75 mm)
FRAME-LAM-024 · SCREW8-125	F10 → F04	20 / 1.5 / 28.422 in 508.00 / 38.10 / 721.92 mm	−Y · 1 1/4 in (31.75 mm)

Fastener stations · 25–36

Use the assembly datums. First members receive clearance holes; receivers get stopped pilots. Screen screws enter outside at an 82° flush seat. Flat-head length includes the head. Received screws and full-stack trials govern.

ID / type	Through → receiver	Start X / Y / Z	Direction / length
FRAME-LAM-025 · SCREW8-125	F08 → F03	24 / 1.5 / 2.703 in 609.60 / 38.10 / 68.66 mm	−Y · 1 1/4 in (31.75 mm)
FRAME-LAM-026 · SCREW8-125	F10 → F04	24 / 1.5 / 28.422 in 609.60 / 38.10 / 721.92 mm	−Y · 1 1/4 in (31.75 mm)
DOOR-LAP-001 · SCREW8-125	D1C → D1A	3.328 / 1.5 / 5.578 in 84.53 / 38.10 / 141.68 mm	−Y · 1 1/4 in (31.75 mm)
DOOR-LAP-002 · SCREW8-125	D1D → D1A	3.328 / 1.5 / 26.672 in 84.53 / 38.10 / 677.47 mm	−Y · 1 1/4 in (31.75 mm)
DOOR-LAP-003 · SCREW8-125	D1C → D1B	13.25 / 1.5 / 5.578 in 336.55 / 38.10 / 141.68 mm	−Y · 1 1/4 in (31.75 mm)
DOOR-LAP-004 · SCREW8-125	D1D → D1B	13.25 / 1.5 / 26.672 in 336.55 / 38.10 / 677.47 mm	−Y · 1 1/4 in (31.75 mm)
GLAZE-001 · SCREW6-125	B1L + Q1L → D1A	3.3905 / 2.125 / 7.328 in 86.12 / 53.97 / 186.13 mm	−Y · 1 1/4 in (31.75 mm)
GLAZE-002 · SCREW6-125	B1L + Q1L → D1A	3.3905 / 2.125 / 12.828 in 86.12 / 53.97 / 325.83 mm	−Y · 1 1/4 in (31.75 mm)
GLAZE-003 · SCREW6-125	B1L + Q1L → D1A	3.3905 / 2.125 / 18.828 in 86.12 / 53.97 / 478.23 mm	−Y · 1 1/4 in (31.75 mm)
GLAZE-004 · SCREW6-125	B1L + Q1L → D1A	3.3905 / 2.125 / 24.922 in 86.12 / 53.97 / 633.02 mm	−Y · 1 1/4 in (31.75 mm)
GLAZE-005 · SCREW6-125	B1R + Q1R → D1B	13.1875 / 2.125 / 7.328 in 334.96 / 53.97 / 186.13 mm	−Y · 1 1/4 in (31.75 mm)
GLAZE-006 · SCREW6-125	B1R + Q1R → D1B	13.1875 / 2.125 / 12.828 in 334.96 / 53.97 / 325.83 mm	−Y · 1 1/4 in (31.75 mm)

Fastener stations · 37–48

Use the assembly datums. First members receive clearance holes; receivers get stopped pilots. Screen screws enter outside at an 82° flush seat. Flat-head length includes the head. Received screws and full-stack trials govern.

ID / type	Through → receiver	Start X / Y / Z	Direction / length
GLAZE-007 · SCREW6-125	B1R + Q1R → D1B	13.1875 / 2.125 / 18.828 in 334.96 / 53.97 / 478.23 mm	−Y · 1 1/4 in (31.75 mm)
GLAZE-008 · SCREW6-125	B1R + Q1R → D1B	13.1875 / 2.125 / 24.922 in 334.96 / 53.97 / 633.02 mm	−Y · 1 1/4 in (31.75 mm)
GLAZE-009 · SCREW6-125	B1B + Q1B → D1C	7.289 / 2.125 / 5.6405 in 185.14 / 53.97 / 143.27 mm	−Y · 1 1/4 in (31.75 mm)
GLAZE-010 · SCREW6-125	B1B + Q1B → D1C	9.289 / 2.125 / 5.6405 in 235.94 / 53.97 / 143.27 mm	−Y · 1 1/4 in (31.75 mm)
GLAZE-011 · SCREW6-125	B1T + Q1T → D1D	7.289 / 2.125 / 26.6095 in 185.14 / 53.97 / 675.88 mm	−Y · 1 1/4 in (31.75 mm)
GLAZE-012 · SCREW6-125	B1T + Q1T → D1D	9.289 / 2.125 / 26.6095 in 235.94 / 53.97 / 675.88 mm	−Y · 1 1/4 in (31.75 mm)
DOOR-LAP-005 · SCREW8-125	D2C → D2A	16.75 / 1.5 / 5.578 in 425.45 / 38.10 / 141.68 mm	−Y · 1 1/4 in (31.75 mm)
DOOR-LAP-006 · SCREW8-125	D2D → D2A	16.75 / 1.5 / 26.672 in 425.45 / 38.10 / 677.47 mm	−Y · 1 1/4 in (31.75 mm)
DOOR-LAP-007 · SCREW8-125	D2C → D2B	26.672 / 1.5 / 5.578 in 677.47 / 38.10 / 141.68 mm	−Y · 1 1/4 in (31.75 mm)
DOOR-LAP-008 · SCREW8-125	D2D → D2B	26.672 / 1.5 / 26.672 in 677.47 / 38.10 / 677.47 mm	−Y · 1 1/4 in (31.75 mm)
GLAZE-013 · SCREW6-125	B2L + Q2L → D2A	16.8125 / 2.125 / 7.328 in 427.04 / 53.97 / 186.13 mm	−Y · 1 1/4 in (31.75 mm)
GLAZE-014 · SCREW6-125	B2L + Q2L → D2A	16.8125 / 2.125 / 12.828 in 427.04 / 53.97 / 325.83 mm	−Y · 1 1/4 in (31.75 mm)

Fastener stations · 49–60

Use the assembly datums. First members receive clearance holes; receivers get stopped pilots. Screen screws enter outside at an 82° flush seat. Flat-head length includes the head. Received screws and full-stack trials govern.

ID / type	Through → receiver	Start X / Y / Z	Direction / length
GLAZE-015 · SCREW6-125	B2L + Q2L → D2A	16.8125 / 2.125 / 18.828 in 427.04 / 53.97 / 478.23 mm	−Y · 1 1/4 in (31.75 mm)
GLAZE-016 · SCREW6-125	B2L + Q2L → D2A	16.8125 / 2.125 / 24.922 in 427.04 / 53.97 / 633.02 mm	−Y · 1 1/4 in (31.75 mm)
GLAZE-017 · SCREW6-125	B2R + Q2R → D2B	26.6095 / 2.125 / 7.328 in 675.88 / 53.97 / 186.13 mm	−Y · 1 1/4 in (31.75 mm)
GLAZE-018 · SCREW6-125	B2R + Q2R → D2B	26.6095 / 2.125 / 12.828 in 675.88 / 53.97 / 325.83 mm	−Y · 1 1/4 in (31.75 mm)
GLAZE-019 · SCREW6-125	B2R + Q2R → D2B	26.6095 / 2.125 / 18.828 in 675.88 / 53.97 / 478.23 mm	−Y · 1 1/4 in (31.75 mm)
GLAZE-020 · SCREW6-125	B2R + Q2R → D2B	26.6095 / 2.125 / 24.922 in 675.88 / 53.97 / 633.02 mm	−Y · 1 1/4 in (31.75 mm)
GLAZE-021 · SCREW6-125	B2B + Q2B → D2C	20.711 / 2.125 / 5.6405 in 526.06 / 53.97 / 143.27 mm	−Y · 1 1/4 in (31.75 mm)
GLAZE-022 · SCREW6-125	B2B + Q2B → D2C	22.711 / 2.125 / 5.6405 in 576.86 / 53.97 / 143.27 mm	−Y · 1 1/4 in (31.75 mm)
GLAZE-023 · SCREW6-125	B2T + Q2T → D2D	20.711 / 2.125 / 26.6095 in 526.06 / 53.97 / 675.88 mm	−Y · 1 1/4 in (31.75 mm)
GLAZE-024 · SCREW6-125	B2T + Q2T → D2D	22.711 / 2.125 / 26.6095 in 576.86 / 53.97 / 675.88 mm	−Y · 1 1/4 in (31.75 mm)
SIDE-CLEAT-001 · SCREW8-175	P03 → C03	0 / 4 / 1.453 in 0.00 / 101.60 / 36.91 mm	+X · 1 3/4 in (44.45 mm)
SIDE-CLEAT-002 · SCREW8-175	P03 → C05	0 / 4 / 28.547 in 0.00 / 101.60 / 725.09 mm	+X · 1 3/4 in (44.45 mm)

Fastener stations · 61–72

Use the assembly datums. First members receive clearance holes; receivers get stopped pilots. Screen screws enter outside at an 82° flush seat. Flat-head length includes the head. Received screws and full-stack trials govern.

ID / type	Through → receiver	Start X / Y / Z	Direction / length
SIDE-CLEAT-003 · SCREW8-175	P03 → C03	0 / 10 / 1.453 in 0.00 / 254.00 / 36.91 mm	+X · 1 3/4 in (44.45 mm)
SIDE-CLEAT-004 · SCREW8-175	P03 → C05	0 / 10 / 28.547 in 0.00 / 254.00 / 725.09 mm	+X · 1 3/4 in (44.45 mm)
SIDE-CLEAT-005 · SCREW8-175	P03 → C03	0 / 16 / 1.453 in 0.00 / 406.40 / 36.91 mm	+X · 1 3/4 in (44.45 mm)
SIDE-CLEAT-006 · SCREW8-175	P03 → C05	0 / 16 / 28.547 in 0.00 / 406.40 / 725.09 mm	+X · 1 3/4 in (44.45 mm)
SIDE-CLEAT-007 · SCREW8-175	P03 → C03	0 / 22 / 1.453 in 0.00 / 558.80 / 36.91 mm	+X · 1 3/4 in (44.45 mm)
SIDE-CLEAT-008 · SCREW8-175	P03 → C05	0 / 22 / 28.547 in 0.00 / 558.80 / 725.09 mm	+X · 1 3/4 in (44.45 mm)
SIDE-CLEAT-009 · SCREW8-175	P03 → C03	0 / 26 / 1.453 in 0.00 / 660.40 / 36.91 mm	+X · 1 3/4 in (44.45 mm)
SIDE-CLEAT-010 · SCREW8-175	P03 → C05	0 / 26 / 28.547 in 0.00 / 660.40 / 725.09 mm	+X · 1 3/4 in (44.45 mm)
SIDE-BACK-001 · SCREW8-175	P03 → C01	0 / 28.547 / 3 in 0.00 / 725.09 / 76.20 mm	+X · 1 3/4 in (44.45 mm)
SIDE-FRONT-001 · SCREW8-175	P03 → F01	0 / 0.375 / 3 in 0.00 / 9.52 / 76.20 mm	+X · 1 3/4 in (44.45 mm)
SIDE-BACK-002 · SCREW8-175	P03 → C01	0 / 28.547 / 9 in 0.00 / 725.09 / 228.60 mm	+X · 1 3/4 in (44.45 mm)
SIDE-FRONT-002 · SCREW8-175	P03 → F01	0 / 0.375 / 9 in 0.00 / 9.52 / 228.60 mm	+X · 1 3/4 in (44.45 mm)

Fastener stations · 73–84

Use the assembly datums. First members receive clearance holes; receivers get stopped pilots. Screen screws enter outside at an 82° flush seat. Flat-head length includes the head. Received screws and full-stack trials govern.

ID / type	Through → receiver	Start X / Y / Z	Direction / length
SIDE-BACK-003 · SCREW8-175	P03 → C01	0 / 28.547 / 15 in 0.00 / 725.09 / 381.00 mm	+X · 1 3/4 in (44.45 mm)
SIDE-FRONT-003 · SCREW8-175	P03 → F01	0 / 0.375 / 15 in 0.00 / 9.52 / 381.00 mm	+X · 1 3/4 in (44.45 mm)
SIDE-BACK-004 · SCREW8-175	P03 → C01	0 / 28.547 / 21 in 0.00 / 725.09 / 533.40 mm	+X · 1 3/4 in (44.45 mm)
SIDE-FRONT-004 · SCREW8-175	P03 → F01	0 / 0.375 / 21 in 0.00 / 9.52 / 533.40 mm	+X · 1 3/4 in (44.45 mm)
SIDE-BACK-005 · SCREW8-175	P03 → C01	0 / 28.547 / 27 in 0.00 / 725.09 / 685.80 mm	+X · 1 3/4 in (44.45 mm)
SIDE-FRONT-005 · SCREW8-175	P03 → F01	0 / 0.375 / 27 in 0.00 / 9.52 / 685.80 mm	+X · 1 3/4 in (44.45 mm)
SIDE-CLEAT-011 · SCREW8-175	P04 → C04	30 / 4 / 1.453 in 762.00 / 101.60 / 36.91 mm	−X · 1 3/4 in (44.45 mm)
SIDE-CLEAT-012 · SCREW8-175	P04 → C06	30 / 4 / 28.547 in 762.00 / 101.60 / 725.09 mm	−X · 1 3/4 in (44.45 mm)
SIDE-CLEAT-013 · SCREW8-175	P04 → C04	30 / 10 / 1.453 in 762.00 / 254.00 / 36.91 mm	−X · 1 3/4 in (44.45 mm)
SIDE-CLEAT-014 · SCREW8-175	P04 → C06	30 / 10 / 28.547 in 762.00 / 254.00 / 725.09 mm	−X · 1 3/4 in (44.45 mm)
SIDE-CLEAT-015 · SCREW8-175	P04 → C04	30 / 16 / 1.453 in 762.00 / 406.40 / 36.91 mm	−X · 1 3/4 in (44.45 mm)
SIDE-CLEAT-016 · SCREW8-175	P04 → C06	30 / 16 / 28.547 in 762.00 / 406.40 / 725.09 mm	−X · 1 3/4 in (44.45 mm)

Fastener stations · 85–96

Use the assembly datums. First members receive clearance holes; receivers get stopped pilots. Screen screws enter outside at an 82° flush seat. Flat-head length includes the head. Received screws and full-stack trials govern.

ID / type	Through → receiver	Start X / Y / Z	Direction / length
SIDE-CLEAT-017 · SCREW8-175	P04 → C04	30 / 22 / 1.453 in 762.00 / 558.80 / 36.91 mm	−X · 1 3/4 in (44.45 mm)
SIDE-CLEAT-018 · SCREW8-175	P04 → C06	30 / 22 / 28.547 in 762.00 / 558.80 / 725.09 mm	−X · 1 3/4 in (44.45 mm)
SIDE-CLEAT-019 · SCREW8-175	P04 → C04	30 / 26 / 1.453 in 762.00 / 660.40 / 36.91 mm	−X · 1 3/4 in (44.45 mm)
SIDE-CLEAT-020 · SCREW8-175	P04 → C06	30 / 26 / 28.547 in 762.00 / 660.40 / 725.09 mm	−X · 1 3/4 in (44.45 mm)
SIDE-BACK-006 · SCREW8-175	P04 → C02	30 / 28.547 / 3 in 762.00 / 725.09 / 76.20 mm	−X · 1 3/4 in (44.45 mm)
SIDE-FRONT-006 · SCREW8-175	P04 → F02	30 / 0.375 / 3 in 762.00 / 9.52 / 76.20 mm	−X · 1 3/4 in (44.45 mm)
SIDE-BACK-007 · SCREW8-175	P04 → C02	30 / 28.547 / 9 in 762.00 / 725.09 / 228.60 mm	−X · 1 3/4 in (44.45 mm)
SIDE-FRONT-007 · SCREW8-175	P04 → F02	30 / 0.375 / 9 in 762.00 / 9.52 / 228.60 mm	−X · 1 3/4 in (44.45 mm)
SIDE-BACK-008 · SCREW8-175	P04 → C02	30 / 28.547 / 15 in 762.00 / 725.09 / 381.00 mm	−X · 1 3/4 in (44.45 mm)
SIDE-FRONT-008 · SCREW8-175	P04 → F02	30 / 0.375 / 15 in 762.00 / 9.52 / 381.00 mm	−X · 1 3/4 in (44.45 mm)
SIDE-BACK-009 · SCREW8-175	P04 → C02	30 / 28.547 / 21 in 762.00 / 725.09 / 533.40 mm	−X · 1 3/4 in (44.45 mm)
SIDE-FRONT-009 · SCREW8-175	P04 → F02	30 / 0.375 / 21 in 762.00 / 9.52 / 533.40 mm	−X · 1 3/4 in (44.45 mm)

Fastener stations · 97–108

Use the assembly datums. First members receive clearance holes; receivers get stopped pilots. Screen screws enter outside at an 82° flush seat. Flat-head length includes the head. Received screws and full-stack trials govern.

ID / type	Through → receiver	Start X / Y / Z	Direction / length
SIDE-BACK-010 · SCREW8-175	P04 → C02	30 / 28.547 / 27 in 762.00 / 725.09 / 685.80 mm	−X · 1 3/4 in (44.45 mm)
SIDE-FRONT-010 · SCREW8-175	P04 → F02	30 / 0.375 / 27 in 762.00 / 9.52 / 685.80 mm	−X · 1 3/4 in (44.45 mm)
BACK-CORNER-001 · SCREW8-175	P05 → C01	1.453 / 30 / 5 in 36.91 / 762.00 / 127.00 mm	−Y · 1 3/4 in (44.45 mm)
BACK-CORNER-002 · SCREW8-175	P05 → C01	1.453 / 30 / 11 in 36.91 / 762.00 / 279.40 mm	−Y · 1 3/4 in (44.45 mm)
BACK-CORNER-003 · SCREW8-175	P05 → C01	1.453 / 30 / 17 in 36.91 / 762.00 / 431.80 mm	−Y · 1 3/4 in (44.45 mm)
BACK-CORNER-004 · SCREW8-175	P05 → C01	1.453 / 30 / 23 in 36.91 / 762.00 / 584.20 mm	−Y · 1 3/4 in (44.45 mm)
BACK-CORNER-005 · SCREW8-175	P05 → C01	1.453 / 30 / 28 in 36.91 / 762.00 / 711.20 mm	−Y · 1 3/4 in (44.45 mm)
BACK-CORNER-006 · SCREW8-175	P05 → C02	28.547 / 30 / 5 in 725.09 / 762.00 / 127.00 mm	−Y · 1 3/4 in (44.45 mm)
BACK-CORNER-007 · SCREW8-175	P05 → C02	28.547 / 30 / 11 in 725.09 / 762.00 / 279.40 mm	−Y · 1 3/4 in (44.45 mm)
BACK-CORNER-008 · SCREW8-175	P05 → C02	28.547 / 30 / 17 in 725.09 / 762.00 / 431.80 mm	−Y · 1 3/4 in (44.45 mm)
BACK-CORNER-009 · SCREW8-175	P05 → C02	28.547 / 30 / 23 in 725.09 / 762.00 / 584.20 mm	−Y · 1 3/4 in (44.45 mm)
BACK-CORNER-010 · SCREW8-175	P05 → C02	28.547 / 30 / 28 in 725.09 / 762.00 / 711.20 mm	−Y · 1 3/4 in (44.45 mm)

Fastener stations · 109–120

Use the assembly datums. First members receive clearance holes; receivers get stopped pilots. Screen screws enter outside at an 82° flush seat. Flat-head length includes the head. Received screws and full-stack trials govern.

ID / type	Through → receiver	Start X / Y / Z	Direction / length
BACK-LEDGER-001 · SCREW8-175	P05 → C08	4.5 / 30 / 1.453 in 114.30 / 762.00 / 36.91 mm	−Y · 1 3/4 in (44.45 mm)
BACK-LEDGER-002 · SCREW8-175	P05 → C08	10.5 / 30 / 1.453 in 266.70 / 762.00 / 36.91 mm	−Y · 1 3/4 in (44.45 mm)
BACK-LEDGER-003 · SCREW8-175	P05 → C08	16.5 / 30 / 1.453 in 419.10 / 762.00 / 36.91 mm	−Y · 1 3/4 in (44.45 mm)
BACK-LEDGER-004 · SCREW8-175	P05 → C08	22.5 / 30 / 1.453 in 571.50 / 762.00 / 36.91 mm	−Y · 1 3/4 in (44.45 mm)
BACK-LEDGER-005 · SCREW8-175	P05 → C08	26 / 30 / 1.453 in 660.40 / 762.00 / 36.91 mm	−Y · 1 3/4 in (44.45 mm)
BACK-LEDGER-006 · SCREW8-175	P05 → C10	4.5 / 30 / 27.047 in 114.30 / 762.00 / 686.99 mm	−Y · 1 3/4 in (44.45 mm)
BACK-LEDGER-007 · SCREW8-175	P05 → C10	10.5 / 30 / 27.047 in 266.70 / 762.00 / 686.99 mm	−Y · 1 3/4 in (44.45 mm)
BACK-LEDGER-008 · SCREW8-175	P05 → C10	16.5 / 30 / 27.047 in 419.10 / 762.00 / 686.99 mm	−Y · 1 3/4 in (44.45 mm)
BACK-LEDGER-009 · SCREW8-175	P05 → C10	22.5 / 30 / 27.047 in 571.50 / 762.00 / 686.99 mm	−Y · 1 3/4 in (44.45 mm)
BACK-LEDGER-010 · SCREW8-175	P05 → C10	26 / 30 / 27.047 in 660.40 / 762.00 / 686.99 mm	−Y · 1 3/4 in (44.45 mm)
FRONT-LEDGER-001 · SCREW8-250	F03 + F07 → C07	4.5 / 0 / 1.453 in 114.30 / 0.00 / 36.91 mm	+Y · 2 1/2 in (63.5 mm)
FRONT-LEDGER-002 · SCREW8-250	F03 + F07 → C07	10.5 / 0 / 1.453 in 266.70 / 0.00 / 36.91 mm	+Y · 2 1/2 in (63.5 mm)

Fastener stations · 121–132

Use the assembly datums. First members receive clearance holes; receivers get stopped pilots. Screen screws enter outside at an 82° flush seat. Flat-head length includes the head. Received screws and full-stack trials govern.

ID / type	Through → receiver	Start X / Y / Z	Direction / length
FRONT-LEDGER-003 · SCREW8-250	F03 + F08 → C07	19.5 / 0 / 1.453 in 495.30 / 0.00 / 36.91 mm	+Y · 2 1/2 in (63.5 mm)
FRONT-LEDGER-004 · SCREW8-250	F03 + F08 → C07	25.5 / 0 / 1.453 in 647.70 / 0.00 / 36.91 mm	+Y · 2 1/2 in (63.5 mm)
FRONT-LEDGER-005 · SCREW8-250	F04 + F09 → C09A	4.5 / 0 / 28.547 in 114.30 / 0.00 / 725.09 mm	+Y · 2 1/2 in (63.5 mm)
FRONT-LEDGER-006 · SCREW8-250	F04 + F09 → C09A	10.5 / 0 / 28.547 in 266.70 / 0.00 / 725.09 mm	+Y · 2 1/2 in (63.5 mm)
FRONT-LEDGER-007 · SCREW8-250	F04 + F10 → C09B	19.5 / 0 / 28.547 in 495.30 / 0.00 / 725.09 mm	+Y · 2 1/2 in (63.5 mm)
FRONT-LEDGER-008 · SCREW8-250	F04 + F10 → C09B	25.5 / 0 / 28.547 in 647.70 / 0.00 / 725.09 mm	+Y · 2 1/2 in (63.5 mm)
CENTRE-001 · SCREW8-250	F03 + F06 → C12	15 / 0 / 4 in 381.00 / 0.00 / 101.60 mm	+Y · 2 1/2 in (63.5 mm)
CENTRE-002 · SCREW8-250	F05 + F06 → C12	15 / 0 / 11 in 381.00 / 0.00 / 279.40 mm	+Y · 2 1/2 in (63.5 mm)
CENTRE-003 · SCREW8-250	F05 + F06 → C12	15 / 0 / 18 in 381.00 / 0.00 / 457.20 mm	+Y · 2 1/2 in (63.5 mm)
CENTRE-004 · SCREW8-250	F05 + F06 → C12	15 / 0 / 25 in 381.00 / 0.00 / 635.00 mm	+Y · 2 1/2 in (63.5 mm)
FLOOR-SIDE-001 · SCREW8-175	P01 → C03	1.453 / 6 / 0 in 36.91 / 152.40 / 0.00 mm	+Z · 1 3/4 in (44.45 mm)
ROOF-SIDE-001 · SCREW8-175	P02 → C05	1.453 / 6 / 30 in 36.91 / 152.40 / 762.00 mm	−Z · 1 3/4 in (44.45 mm)

Fastener stations · 133–144

Use the assembly datums. First members receive clearance holes; receivers get stopped pilots. Screen screws enter outside at an 82° flush seat. Flat-head length includes the head. Received screws and full-stack trials govern.

ID / type	Through → receiver	Start X / Y / Z	Direction / length
FLOOR-SIDE-002 · SCREW8-175	P01 → C03	1.453 / 12 / 0 in 36.91 / 304.80 / 0.00 mm	+Z · 1 3/4 in (44.45 mm)
ROOF-SIDE-002 · SCREW8-175	P02 → C05	1.453 / 12 / 30 in 36.91 / 304.80 / 762.00 mm	−Z · 1 3/4 in (44.45 mm)
FLOOR-SIDE-003 · SCREW8-175	P01 → C03	1.453 / 18 / 0 in 36.91 / 457.20 / 0.00 mm	+Z · 1 3/4 in (44.45 mm)
ROOF-SIDE-003 · SCREW8-175	P02 → C05	1.453 / 18 / 30 in 36.91 / 457.20 / 762.00 mm	−Z · 1 3/4 in (44.45 mm)
FLOOR-SIDE-004 · SCREW8-175	P01 → C03	1.453 / 24 / 0 in 36.91 / 609.60 / 0.00 mm	+Z · 1 3/4 in (44.45 mm)
ROOF-SIDE-004 · SCREW8-175	P02 → C05	1.453 / 24 / 30 in 36.91 / 609.60 / 762.00 mm	−Z · 1 3/4 in (44.45 mm)
FLOOR-SIDE-005 · SCREW8-175	P01 → C04	28.547 / 6 / 0 in 725.09 / 152.40 / 0.00 mm	+Z · 1 3/4 in (44.45 mm)
ROOF-SIDE-005 · SCREW8-175	P02 → C06	28.547 / 6 / 30 in 725.09 / 152.40 / 762.00 mm	−Z · 1 3/4 in (44.45 mm)
FLOOR-SIDE-006 · SCREW8-175	P01 → C04	28.547 / 12 / 0 in 725.09 / 304.80 / 0.00 mm	+Z · 1 3/4 in (44.45 mm)
ROOF-SIDE-006 · SCREW8-175	P02 → C06	28.547 / 12 / 30 in 725.09 / 304.80 / 762.00 mm	−Z · 1 3/4 in (44.45 mm)
FLOOR-SIDE-007 · SCREW8-175	P01 → C04	28.547 / 18 / 0 in 725.09 / 457.20 / 0.00 mm	+Z · 1 3/4 in (44.45 mm)
ROOF-SIDE-007 · SCREW8-175	P02 → C06	28.547 / 18 / 30 in 725.09 / 457.20 / 762.00 mm	−Z · 1 3/4 in (44.45 mm)

Fastener stations · 145–156

Use the assembly datums. First members receive clearance holes; receivers get stopped pilots. Screen screws enter outside at an 82° flush seat. Flat-head length includes the head. Received screws and full-stack trials govern.

ID / type	Through → receiver	Start X / Y / Z	Direction / length
FLOOR-SIDE-008 · SCREW8-175	P01 → C04	28.547 / 24 / 0 in 725.09 / 609.60 / 0.00 mm	+Z · 1 3/4 in (44.45 mm)
ROOF-SIDE-008 · SCREW8-175	P02 → C06	28.547 / 24 / 30 in 725.09 / 609.60 / 762.00 mm	−Z · 1 3/4 in (44.45 mm)
FLOOR-LEDGER-001 · SCREW8-175	P01 → C07	6.5 / 2.25 / 0 in 165.10 / 57.15 / 0.00 mm	+Z · 1 3/4 in (44.45 mm)
FLOOR-LEDGER-002 · SCREW8-175	P01 → C07	12.5 / 2.25 / 0 in 317.50 / 57.15 / 0.00 mm	+Z · 1 3/4 in (44.45 mm)
FLOOR-LEDGER-003 · SCREW8-175	P01 → C07	18.5 / 2.25 / 0 in 469.90 / 57.15 / 0.00 mm	+Z · 1 3/4 in (44.45 mm)
FLOOR-LEDGER-004 · SCREW8-175	P01 → C07	24.5 / 2.25 / 0 in 622.30 / 57.15 / 0.00 mm	+Z · 1 3/4 in (44.45 mm)
FLOOR-LEDGER-005 · SCREW8-175	P01 → C08	6.5 / 28.547 / 0 in 165.10 / 725.09 / 0.00 mm	+Z · 1 3/4 in (44.45 mm)
FLOOR-LEDGER-006 · SCREW8-175	P01 → C08	12.5 / 28.547 / 0 in 317.50 / 725.09 / 0.00 mm	+Z · 1 3/4 in (44.45 mm)
FLOOR-LEDGER-007 · SCREW8-175	P01 → C08	18.5 / 28.547 / 0 in 469.90 / 725.09 / 0.00 mm	+Z · 1 3/4 in (44.45 mm)
FLOOR-LEDGER-008 · SCREW8-175	P01 → C08	24.5 / 28.547 / 0 in 622.30 / 725.09 / 0.00 mm	+Z · 1 3/4 in (44.45 mm)
RIB-001 · SCREW8-250	C11 → C12	15 / 2.25 / 29.297 in 381.00 / 57.15 / 744.14 mm	−Z · 2 1/2 in (63.5 mm)
RIB-002 · SCREW8-250	C11 → C10	15 / 28.547 / 29.297 in 381.00 / 725.09 / 744.14 mm	−Z · 2 1/2 in (63.5 mm)

Fastener stations · 157–168

Use the assembly datums. First members receive clearance holes; receivers get stopped pilots. Screen screws enter outside at an 82° flush seat. Flat-head length includes the head. Received screws and full-stack trials govern.

ID / type	Through → receiver	Start X / Y / Z	Direction / length
ROOF-RIB-001 · SCREW8-175	P02 → C11	15 / 4 / 30 in 381.00 / 101.60 / 762.00 mm	−Z · 1 3/4 in (44.45 mm)
ROOF-RIB-002 · SCREW8-175	P02 → C11	15 / 27 / 30 in 381.00 / 685.80 / 762.00 mm	−Z · 1 3/4 in (44.45 mm)
ROOF-FRONT-001 · SCREW8-175	P02 → F04	5 / 0.375 / 30 in 127.00 / 9.52 / 762.00 mm	−Z · 1 3/4 in (44.45 mm)
ROOF-FRONT-002 · SCREW8-175	P02 → F04	11 / 0.375 / 30 in 279.40 / 9.52 / 762.00 mm	−Z · 1 3/4 in (44.45 mm)
ROOF-FRONT-003 · SCREW8-175	P02 → F04	19 / 0.375 / 30 in 482.60 / 9.52 / 762.00 mm	−Z · 1 3/4 in (44.45 mm)
ROOF-FRONT-004 · SCREW8-175	P02 → F04	25 / 0.375 / 30 in 635.00 / 9.52 / 762.00 mm	−Z · 1 3/4 in (44.45 mm)
REAR-POST-001 · SCREW8-175	P05 → C13	2.953 / 30 / 6 in 75.01 / 762.00 / 152.40 mm	−Y · 1 3/4 in (44.45 mm)
REAR-POST-002 · SCREW8-175	P05 → C13	2.953 / 30 / 18 in 75.01 / 762.00 / 457.20 mm	−Y · 1 3/4 in (44.45 mm)
REAR-POST-003 · SCREW8-175	P05 → C14	27.047 / 30 / 6 in 686.99 / 762.00 / 152.40 mm	−Y · 1 3/4 in (44.45 mm)
REAR-POST-004 · SCREW8-175	P05 → C14	27.047 / 30 / 18 in 686.99 / 762.00 / 457.20 mm	−Y · 1 3/4 in (44.45 mm)
HINGE-1-1--1-1 · SCREW8-125	SP-H1-1-fixed + F01 → F11	1.7955 / -0.205 / 8.358 in 45.61 / -5.21 / 212.29 mm	+Y · 1 1/4 in (31.75 mm)
HINGE-1-1--1-2 · SCREW8-125	SP-H1-1-fixed + F01 → F11	1.5755 / -0.205 / 9.328 in 40.02 / -5.21 / 236.93 mm	+Y · 1 1/4 in (31.75 mm)

Fastener stations · 169–180

Use the assembly datums. First members receive clearance holes; receivers get stopped pilots. Screen screws enter outside at an 82° flush seat. Flat-head length includes the head. Received screws and full-stack trials govern.

ID / type	Through → receiver	Start X / Y / Z	Direction / length
HINGE-1-1--1-3 · SCREW8-125	SP-H1-1-fixed + F01 → F11	1.7955 / -0.205 / 10.298 in 45.61 / -5.21 / 261.57 mm	+Y · 1 1/4 in (31.75 mm)
HINGE-1-1-1-1 · SCREW8-125	SP-H1-1-moving → D1A	3.2355 / -0.205 / 8.358 in 82.18 / -5.21 / 212.29 mm	+Y · 1 1/4 in (31.75 mm)
HINGE-1-1-1-2 · SCREW8-125	SP-H1-1-moving → D1A	3.4555 / -0.205 / 9.328 in 87.77 / -5.21 / 236.93 mm	+Y · 1 1/4 in (31.75 mm)
HINGE-1-1-1-3 · SCREW8-125	SP-H1-1-moving → D1A	3.2355 / -0.205 / 10.298 in 82.18 / -5.21 / 261.57 mm	+Y · 1 1/4 in (31.75 mm)
HINGE-1-2--1-1 · SCREW8-125	SP-H1-2-fixed + F01 → F11	1.7955 / -0.205 / 21.952 in 45.61 / -5.21 / 557.58 mm	+Y · 1 1/4 in (31.75 mm)
HINGE-1-2--1-2 · SCREW8-125	SP-H1-2-fixed + F01 → F11	1.5755 / -0.205 / 22.922 in 40.02 / -5.21 / 582.22 mm	+Y · 1 1/4 in (31.75 mm)
HINGE-1-2--1-3 · SCREW8-125	SP-H1-2-fixed + F01 → F11	1.7955 / -0.205 / 23.892 in 45.61 / -5.21 / 606.86 mm	+Y · 1 1/4 in (31.75 mm)
HINGE-1-2-1-1 · SCREW8-125	SP-H1-2-moving → D1A	3.2355 / -0.205 / 21.952 in 82.18 / -5.21 / 557.58 mm	+Y · 1 1/4 in (31.75 mm)
HINGE-1-2-1-2 · SCREW8-125	SP-H1-2-moving → D1A	3.4555 / -0.205 / 22.922 in 87.77 / -5.21 / 582.22 mm	+Y · 1 1/4 in (31.75 mm)
HINGE-1-2-1-3 · SCREW8-125	SP-H1-2-moving → D1A	3.2355 / -0.205 / 23.892 in 82.18 / -5.21 / 606.86 mm	+Y · 1 1/4 in (31.75 mm)
HINGE-2-1--1-1 · SCREW8-125	SP-H2-1-moving → D2B	26.7645 / -0.205 / 8.358 in 679.82 / -5.21 / 212.29 mm	+Y · 1 1/4 in (31.75 mm)
HINGE-2-1--1-2 · SCREW8-125	SP-H2-1-moving → D2B	26.5445 / -0.205 / 9.328 in 674.23 / -5.21 / 236.93 mm	+Y · 1 1/4 in (31.75 mm)

Fastener stations · 181–192

Use the assembly datums. First members receive clearance holes; receivers get stopped pilots. Screen screws enter outside at an 82° flush seat. Flat-head length includes the head. Received screws and full-stack trials govern.

ID / type	Through → receiver	Start X / Y / Z	Direction / length
HINGE-2-1--1-3 · SCREW8-125	SP-H2-1-moving → D2B	26.7645 / -0.205 / 10.298 in 679.82 / -5.21 / 261.57 mm	+Y · 1 1/4 in (31.75 mm)
HINGE-2-1-1-1 · SCREW8-125	SP-H2-1-fixed + F02 → F12	28.2045 / -0.205 / 8.358 in 716.39 / -5.21 / 212.29 mm	+Y · 1 1/4 in (31.75 mm)
HINGE-2-1-1-2 · SCREW8-125	SP-H2-1-fixed + F02 → F12	28.4245 / -0.205 / 9.328 in 721.98 / -5.21 / 236.93 mm	+Y · 1 1/4 in (31.75 mm)
HINGE-2-1-1-3 · SCREW8-125	SP-H2-1-fixed + F02 → F12	28.2045 / -0.205 / 10.298 in 716.39 / -5.21 / 261.57 mm	+Y · 1 1/4 in (31.75 mm)
HINGE-2-2--1-1 · SCREW8-125	SP-H2-2-moving → D2B	26.7645 / -0.205 / 21.952 in 679.82 / -5.21 / 557.58 mm	+Y · 1 1/4 in (31.75 mm)
HINGE-2-2--1-2 · SCREW8-125	SP-H2-2-moving → D2B	26.5445 / -0.205 / 22.922 in 674.23 / -5.21 / 582.22 mm	+Y · 1 1/4 in (31.75 mm)
HINGE-2-2--1-3 · SCREW8-125	SP-H2-2-moving → D2B	26.7645 / -0.205 / 23.892 in 679.82 / -5.21 / 606.86 mm	+Y · 1 1/4 in (31.75 mm)
HINGE-2-2-1-1 · SCREW8-125	SP-H2-2-fixed + F02 → F12	28.2045 / -0.205 / 21.952 in 716.39 / -5.21 / 557.58 mm	+Y · 1 1/4 in (31.75 mm)
HINGE-2-2-1-2 · SCREW8-125	SP-H2-2-fixed + F02 → F12	28.4245 / -0.205 / 22.922 in 721.98 / -5.21 / 582.22 mm	+Y · 1 1/4 in (31.75 mm)
HINGE-2-2-1-3 · SCREW8-125	SP-H2-2-fixed + F02 → F12	28.2045 / -0.205 / 23.892 in 716.39 / -5.21 / 606.86 mm	+Y · 1 1/4 in (31.75 mm)
L-HP1 · HASP-SCREW	L-HP-base → D1B	13.64875 / -0.07 / 14 in 346.68 / -1.78 / 355.60 mm	+Y · 5/8 in (15.88 mm)
L-HP2 · HASP-SCREW	L-HP-base → D1B	13.27875 / -0.07 / 14.5 in 337.28 / -1.78 / 368.30 mm	+Y · 5/8 in (15.88 mm)

Fastener stations · 193–204

Use the assembly datums. First members receive clearance holes; receivers get stopped pilots. Screen screws enter outside at an 82° flush seat. Flat-head length includes the head. Received screws and full-stack trials govern.

ID / type	Through → receiver	Start X / Y / Z	Direction / length
L-HP3 · HASP-SCREW	L-HP-base → D1B	13.17875 / -0.07 / 13.5 in 334.74 / -1.78 / 342.90 mm	+Y · 5/8 in (15.88 mm)
L-ST1 · HASP-SCREW	L-ST-base → F05	15.52875 / -0.07 / 13.44 in 394.43 / -1.78 / 341.38 mm	+Y · 5/8 in (15.88 mm)
L-ST2 · HASP-SCREW	L-ST-base → F05	14.40875 / -0.07 / 13.44 in 365.98 / -1.78 / 341.38 mm	+Y · 5/8 in (15.88 mm)
L-ST3 · HASP-SCREW	L-ST-base → F05	15.52875 / -0.07 / 14.56 in 394.43 / -1.78 / 369.82 mm	+Y · 5/8 in (15.88 mm)
L-ST4 · HASP-SCREW	L-ST-base → F05	14.40875 / -0.07 / 14.56 in 365.98 / -1.78 / 369.82 mm	+Y · 5/8 in (15.88 mm)
R-HP1 · HASP-SCREW	R-HP-base → D2A	16.35125 / -0.07 / 20 in 415.32 / -1.78 / 508.00 mm	+Y · 5/8 in (15.88 mm)
R-HP2 · HASP-SCREW	R-HP-base → D2A	16.72125 / -0.07 / 20.5 in 424.72 / -1.78 / 520.70 mm	+Y · 5/8 in (15.88 mm)
R-HP3 · HASP-SCREW	R-HP-base → D2A	16.82125 / -0.07 / 19.5 in 427.26 / -1.78 / 495.30 mm	+Y · 5/8 in (15.88 mm)
R-ST1 · HASP-SCREW	R-ST-base → F05	14.47125 / -0.07 / 19.44 in 367.57 / -1.78 / 493.78 mm	+Y · 5/8 in (15.88 mm)
R-ST2 · HASP-SCREW	R-ST-base → F05	15.59125 / -0.07 / 19.44 in 396.02 / -1.78 / 493.78 mm	+Y · 5/8 in (15.88 mm)
R-ST3 · HASP-SCREW	R-ST-base → F05	14.47125 / -0.07 / 20.56 in 367.57 / -1.78 / 522.22 mm	+Y · 5/8 in (15.88 mm)
R-ST4 · HASP-SCREW	R-ST-base → F05	15.59125 / -0.07 / 20.56 in 396.02 / -1.78 / 522.22 mm	+Y · 5/8 in (15.88 mm)

Fastener stations · 205–216

Use the assembly datums. First members receive clearance holes; receivers get stopped pilots. Screen screws enter outside at an 82° flush seat. Flat-head length includes the head. Received screws and full-stack trials govern.

ID / type	Through → receiver	Start X / Y / Z	Direction / length
ROOF-BOLT-001 · BOLT	P02 + R01A → interior washer + locknut + cover	3.75 / 5.25 / 30 in 95.25 / 133.35 / 762.00 mm	−Z · 1 7/8 in (47.63 mm)
ROOF-BOLT-002 · BOLT	P02 + R01A → interior washer + locknut + cover	6.25 / 5.25 / 30 in 158.75 / 133.35 / 762.00 mm	−Z · 1 7/8 in (47.63 mm)
ROOF-BOLT-003 · BOLT	P02 + R01A → interior washer + locknut + cover	11.75 / 5.25 / 30 in 298.45 / 133.35 / 762.00 mm	−Z · 1 7/8 in (47.63 mm)
ROOF-BOLT-004 · BOLT	P02 + R01B → interior washer + locknut + cover	17.25 / 5.25 / 30 in 438.15 / 133.35 / 762.00 mm	−Z · 1 7/8 in (47.63 mm)
ROOF-BOLT-005 · BOLT	P02 + R01B → interior washer + locknut + cover	22.25 / 5.25 / 30 in 565.15 / 133.35 / 762.00 mm	−Z · 1 7/8 in (47.63 mm)
ROOF-BOLT-006 · BOLT	P02 + R01B → interior washer + locknut + cover	26.25 / 5.25 / 30 in 666.75 / 133.35 / 762.00 mm	−Z · 1 7/8 in (47.63 mm)
ROOF-BOLT-007 · BOLT	P02 + R02A → interior washer + locknut + cover	3.75 / 24.75 / 30 in 95.25 / 628.65 / 762.00 mm	−Z · 1 7/8 in (47.63 mm)
ROOF-BOLT-008 · BOLT	P02 + R02A → interior washer + locknut + cover	6.25 / 24.75 / 30 in 158.75 / 628.65 / 762.00 mm	−Z · 1 7/8 in (47.63 mm)
ROOF-BOLT-009 · BOLT	P02 + R02A → interior washer + locknut + cover	11.75 / 24.75 / 30 in 298.45 / 628.65 / 762.00 mm	−Z · 1 7/8 in (47.63 mm)
ROOF-BOLT-010 · BOLT	P02 + R02B → interior washer + locknut + cover	17.25 / 24.75 / 30 in 438.15 / 628.65 / 762.00 mm	−Z · 1 7/8 in (47.63 mm)
ROOF-BOLT-011 · BOLT	P02 + R02B → interior washer + locknut + cover	22.25 / 24.75 / 30 in 565.15 / 628.65 / 762.00 mm	−Z · 1 7/8 in (47.63 mm)
ROOF-BOLT-012 · BOLT	P02 + R02B → interior washer + locknut + cover	26.25 / 24.75 / 30 in 666.75 / 628.65 / 762.00 mm	−Z · 1 7/8 in (47.63 mm)

Fastener stations · 217–228

Use the assembly datums. First members receive clearance holes; receivers get stopped pilots. Screen screws enter outside at an 82° flush seat. Flat-head length includes the head. Received screws and full-stack trials govern.

ID / type	Through → receiver	Start X / Y / Z	Direction / length
ROOF-BOLT-013 · BOLT	P02 + R03 → interior washer + locknut + cover	3.25 / 8.25 / 30 in 82.55 / 209.55 / 762.00 mm	−Z · 1 7/8 in (47.63 mm)
ROOF-BOLT-014 · BOLT	P02 + R03 → interior washer + locknut + cover	3.25 / 13.25 / 30 in 82.55 / 336.55 / 762.00 mm	−Z · 1 7/8 in (47.63 mm)
ROOF-BOLT-015 · BOLT	P02 + R03 → interior washer + locknut + cover	3.25 / 18.25 / 30 in 82.55 / 463.55 / 762.00 mm	−Z · 1 7/8 in (47.63 mm)
ROOF-BOLT-016 · BOLT	P02 + R03 → interior washer + locknut + cover	3.25 / 22.25 / 30 in 82.55 / 565.15 / 762.00 mm	−Z · 1 7/8 in (47.63 mm)
ROOF-BOLT-017 · BOLT	P02 + R04 → interior washer + locknut + cover	26.75 / 8.25 / 30 in 679.45 / 209.55 / 762.00 mm	−Z · 1 7/8 in (47.63 mm)
ROOF-BOLT-018 · BOLT	P02 + R04 → interior washer + locknut + cover	26.75 / 13.25 / 30 in 679.45 / 336.55 / 762.00 mm	−Z · 1 7/8 in (47.63 mm)
ROOF-BOLT-019 · BOLT	P02 + R04 → interior washer + locknut + cover	26.75 / 18.25 / 30 in 679.45 / 463.55 / 762.00 mm	−Z · 1 7/8 in (47.63 mm)
ROOF-BOLT-020 · BOLT	P02 + R04 → interior washer + locknut + cover	26.75 / 22.25 / 30 in 679.45 / 565.15 / 762.00 mm	−Z · 1 7/8 in (47.63 mm)
VENT-BOLT-001 · BOLT	P03 + V1B → interior washer + locknut + cover	0 / 9.25 / 5.953 in 0.00 / 234.95 / 151.21 mm	+X · 1 7/8 in (47.63 mm)
VENT-BOLT-002 · BOLT	P03 + V1B → interior washer + locknut + cover	0 / 13.75 / 5.953 in 0.00 / 349.25 / 151.21 mm	+X · 1 7/8 in (47.63 mm)
VENT-BOLT-003 · BOLT	P03 + V1B → interior washer + locknut + cover	0 / 18.75 / 5.953 in 0.00 / 476.25 / 151.21 mm	+X · 1 7/8 in (47.63 mm)
VENT-BOLT-004 · BOLT	P03 + V1T → interior washer + locknut + cover	0 / 9.25 / 9.453 in 0.00 / 234.95 / 240.11 mm	+X · 1 7/8 in (47.63 mm)

Fastener stations · 229–240

Use the assembly datums. First members receive clearance holes; receivers get stopped pilots. Screen screws enter outside at an 82° flush seat. Flat-head length includes the head. Received screws and full-stack trials govern.

ID / type	Through → receiver	Start X / Y / Z	Direction / length
VENT-BOLT-005 · BOLT	P03 + V1T → interior washer + locknut + cover	0 / 13.75 / 9.453 in 0.00 / 349.25 / 240.11 mm	+X · 1 7/8 in (47.63 mm)
VENT-BOLT-006 · BOLT	P03 + V1T → interior washer + locknut + cover	0 / 18.75 / 9.453 in 0.00 / 476.25 / 240.11 mm	+X · 1 7/8 in (47.63 mm)
VENT-BOLT-007 · BOLT	P03 + V1F → interior washer + locknut + cover	0 / 9.25 / 7.953 in 0.00 / 234.95 / 202.01 mm	+X · 1 7/8 in (47.63 mm)
VENT-BOLT-008 · BOLT	P03 + V1R → interior washer + locknut + cover	0 / 18.75 / 7.953 in 0.00 / 476.25 / 202.01 mm	+X · 1 7/8 in (47.63 mm)
VENT-BOLT-009 · BOLT	P04 + V2B → interior washer + locknut + cover	30 / 9.25 / 5.953 in 762.00 / 234.95 / 151.21 mm	−X · 1 7/8 in (47.63 mm)
VENT-BOLT-010 · BOLT	P04 + V2B → interior washer + locknut + cover	30 / 13.75 / 5.953 in 762.00 / 349.25 / 151.21 mm	−X · 1 7/8 in (47.63 mm)
VENT-BOLT-011 · BOLT	P04 + V2B → interior washer + locknut + cover	30 / 18.75 / 5.953 in 762.00 / 476.25 / 151.21 mm	−X · 1 7/8 in (47.63 mm)
VENT-BOLT-012 · BOLT	P04 + V2T → interior washer + locknut + cover	30 / 9.25 / 9.453 in 762.00 / 234.95 / 240.11 mm	−X · 1 7/8 in (47.63 mm)
VENT-BOLT-013 · BOLT	P04 + V2T → interior washer + locknut + cover	30 / 13.75 / 9.453 in 762.00 / 349.25 / 240.11 mm	−X · 1 7/8 in (47.63 mm)
VENT-BOLT-014 · BOLT	P04 + V2T → interior washer + locknut + cover	30 / 18.75 / 9.453 in 762.00 / 476.25 / 240.11 mm	−X · 1 7/8 in (47.63 mm)
VENT-BOLT-015 · BOLT	P04 + V2F → interior washer + locknut + cover	30 / 9.25 / 7.953 in 762.00 / 234.95 / 202.01 mm	−X · 1 7/8 in (47.63 mm)
VENT-BOLT-016 · BOLT	P04 + V2R → interior washer + locknut + cover	30 / 18.75 / 7.953 in 762.00 / 476.25 / 202.01 mm	−X · 1 7/8 in (47.63 mm)

Machining removals

Local X / Y / Z begin at the named part’s minimum assembled-coordinate corner. Read its orientation drawing. These cut volumes are clipped to the wood; stopped bore, countersink, bevel and actual-recess checks remain additional operations.

Cut / part	Local X / Y / Z	Removal size X × Y × Z
P02-CUT1 / P02	4 in (101.6 mm) / 6 in (152.4 mm) / 0 in (0 mm)	22 in (558.8 mm) × 18 in (457.2 mm) × 0.703 in (17.86 mm)
P03-CUT1 / P03	0 in (0 mm) / 10 in (254 mm) / 6 in (152.4 mm)	0.703 in (17.86 mm) × 8 in (203.2 mm) × 2 in (50.8 mm)
P04-CUT1 / P04	0 in (0 mm) / 10 in (254 mm) / 6 in (152.4 mm)	0.703 in (17.86 mm) × 8 in (203.2 mm) × 2 in (50.8 mm)
D1A-CUT1 / D1A	0 in (0 mm) / 3/4 in (19.05 mm) / 0 in (0 mm)	1 7/16 in (36.51 mm) × 3/4 in (19.05 mm) × 1 7/16 in (36.51 mm)
D1A-CUT2 / D1A	0 in (0 mm) / 3/4 in (19.05 mm) / 21.0315 in (534.2 mm)	1 7/16 in (36.51 mm) × 3/4 in (19.05 mm) × 1 7/16 in (36.51 mm)
D1B-CUT1 / D1B	0 in (0 mm) / 3/4 in (19.05 mm) / 0 in (0 mm)	1 15/32 in (37.31 mm) × 3/4 in (19.05 mm) × 1 7/16 in (36.51 mm)
D1B-CUT2 / D1B	0 in (0 mm) / 3/4 in (19.05 mm) / 21.0315 in (534.2 mm)	1 15/32 in (37.31 mm) × 3/4 in (19.05 mm) × 1 7/16 in (36.51 mm)
D1C-CUT1 / D1C	0 in (0 mm) / 0 in (0 mm) / 0 in (0 mm)	1 7/16 in (36.51 mm) × 3/4 in (19.05 mm) × 1 7/16 in (36.51 mm)

Machining removals · continued

Local X / Y / Z begin at the named part's minimum assembled-coordinate corner. Read its orientation drawing. These cut volumes are clipped to the wood; stopped bore, countersink, bevel and actual-recess checks remain additional operations.

Cut / part	Local X / Y / Z	Removal size X × Y × Z
D1C-CUT2 / D1C	9.8595 in (250.43 mm) / 0 in (0 mm) / 0 in (0 mm)	1 15/32 in (37.31 mm) × 3/4 in (19.05 mm) × 1 7/16 in (36.51 mm)
D1D-CUT1 / D1D	0 in (0 mm) / 0 in (0 mm) / 0 in (0 mm)	1 7/16 in (36.51 mm) × 3/4 in (19.05 mm) × 1 7/16 in (36.51 mm)
D1D-CUT2 / D1D	9.8595 in (250.43 mm) / 0 in (0 mm) / 0 in (0 mm)	1 15/32 in (37.31 mm) × 3/4 in (19.05 mm) × 1 7/16 in (36.51 mm)
D2A-CUT1 / D2A	0 in (0 mm) / 3/4 in (19.05 mm) / 0 in (0 mm)	1 15/32 in (37.31 mm) × 3/4 in (19.05 mm) × 1 7/16 in (36.51 mm)
D2A-CUT2 / D2A	0 in (0 mm) / 3/4 in (19.05 mm) / 21.0315 in (534.2 mm)	1 15/32 in (37.31 mm) × 3/4 in (19.05 mm) × 1 7/16 in (36.51 mm)
D2B-CUT1 / D2B	0 in (0 mm) / 3/4 in (19.05 mm) / 0 in (0 mm)	1 7/16 in (36.51 mm) × 3/4 in (19.05 mm) × 1 7/16 in (36.51 mm)
D2B-CUT2 / D2B	0 in (0 mm) / 3/4 in (19.05 mm) / 21.0315 in (534.2 mm)	1 7/16 in (36.51 mm) × 3/4 in (19.05 mm) × 1 7/16 in (36.51 mm)
D2C-CUT1 / D2C	0 in (0 mm) / 0 in (0 mm) / 0 in (0 mm)	1 15/32 in (37.31 mm) × 3/4 in (19.05 mm) × 1 7/16 in (36.51 mm)

Machining removals · continued

Local X / Y / Z begin at the named part's minimum assembled-coordinate corner. Read its orientation drawing. These cut volumes are clipped to the wood; stopped bore, countersink, bevel and actual-recess checks remain additional operations.

Cut / part	Local X / Y / Z	Removal size X × Y × Z
D2C-CUT2 / D2C	9.89075 in (251.23 mm) / 0 in (0 mm) / 0 in (0 mm)	1 7/16 in (36.51 mm) × 3/4 in (19.05 mm) × 1 7/16 in (36.51 mm)
D2D-CUT1 / D2D	0 in (0 mm) / 0 in (0 mm) / 0 in (0 mm)	1 15/32 in (37.31 mm) × 3/4 in (19.05 mm) × 1 7/16 in (36.51 mm)
D2D-CUT2 / D2D	9.89075 in (251.23 mm) / 0 in (0 mm) / 0 in (0 mm)	1 7/16 in (36.51 mm) × 3/4 in (19.05 mm) × 1 7/16 in (36.51 mm)
C11-CUT1 / C11	0 in (0 mm) / 3 1/2 in (88.9 mm) / 1 13/32 in (35.72 mm)	1 1/2 in (38.1 mm) × 20 in (508 mm) × 3/32 in (2.38 mm)
R01A-CUT1 / R01A	3 1/4 in (82.55 mm) / 1/4 in (6.35 mm) / 0.542 in (13.77 mm)	1 in (25.4 mm) × 1 1/4 in (31.75 mm) × 0.208 in (5.28 mm)
R01A-CUT2 / R01A	8 3/4 in (222.25 mm) / 1/4 in (6.35 mm) / 0.542 in (13.77 mm)	1 in (25.4 mm) × 1 1/4 in (31.75 mm) × 0.208 in (5.28 mm)
R01A-CUT3 / R01A	0.494 in (12.55 mm) / 0.494 in (12.55 mm) / 21/32 in (16.67 mm)	11.256 in (285.9 mm) × 1.006 in (25.55 mm) × 3/32 in (2.38 mm)
R01B-CUT1 / R01B	0 in (0 mm) / 0.494 in (12.55 mm) / 21/32 in (16.67 mm)	11.256 in (285.9 mm) × 1.006 in (25.55 mm) × 3/32 in (2.38 mm)

Machining removals · continued

Local X / Y / Z begin at the named part's minimum assembled-coordinate corner. Read its orientation drawing. These cut volumes are clipped to the wood; stopped bore, countersink, bevel and actual-recess checks remain additional operations.

Cut / part	Local X / Y / Z	Removal size X × Y × Z
R02A-CUT1 / R02A	3 1/4 in (82.55 mm) / 0 in (0 mm) / 0.542 in (13.77 mm)	1 in (25.4 mm) × 1 1/4 in (31.75 mm) × 0.208 in (5.28 mm)
R02A-CUT2 / R02A	8 3/4 in (222.25 mm) / 0 in (0 mm) / 0.542 in (13.77 mm)	1 in (25.4 mm) × 1 1/4 in (31.75 mm) × 0.208 in (5.28 mm)
R02A-CUT3 / R02A	0.494 in (12.55 mm) / 0 in (0 mm) / 21/32 in (16.67 mm)	11.256 in (285.9 mm) × 1.006 in (25.55 mm) × 3/32 in (2.38 mm)
R02B-CUT1 / R02B	0 in (0 mm) / 0 in (0 mm) / 21/32 in (16.67 mm)	11.256 in (285.9 mm) × 1.006 in (25.55 mm) × 3/32 in (2.38 mm)
R03-CUT1 / R03	0.494 in (12.55 mm) / 0 in (0 mm) / 21/32 in (16.67 mm)	1.006 in (25.55 mm) × 18 in (457.2 mm) × 3/32 in (2.38 mm)
R04-CUT1 / R04	0 in (0 mm) / 0 in (0 mm) / 21/32 in (16.67 mm)	1.006 in (25.55 mm) × 18 in (457.2 mm) × 3/32 in (2.38 mm)
V1B-CUT1 / V1B	0 in (0 mm) / 0.494 in (12.55 mm) / 0.494 in (12.55 mm)	3/32 in (2.38 mm) × 10.012 in (254.3 mm) × 1.006 in (25.55 mm)
V1T-CUT1 / V1T	0 in (0 mm) / 0.494 in (12.55 mm) / 0 in (0 mm)	3/32 in (2.38 mm) × 10.012 in (254.3 mm) × 1.006 in (25.55 mm)

Machining removals · continued

Local X / Y / Z begin at the named part's minimum assembled-coordinate corner. Read its orientation drawing. These cut volumes are clipped to the wood; stopped bore, countersink, bevel and actual-recess checks remain additional operations.

Cut / part	Local X / Y / Z	Removal size X × Y × Z
V1F-CUT1 / V1F	0 in (0 mm) / 0.494 in (12.55 mm) / 0 in (0 mm)	3/32 in (2.38 mm) × 1.006 in (25.55 mm) × 2 in (50.8 mm)
V1R-CUT1 / V1R	0 in (0 mm) / 0 in (0 mm) / 0 in (0 mm)	3/32 in (2.38 mm) × 1.006 in (25.55 mm) × 2 in (50.8 mm)
V2B-CUT1 / V2B	21/32 in (16.67 mm) / 0.494 in (12.55 mm) / 0.494 in (12.55 mm)	3/32 in (2.38 mm) × 10.012 in (254.3 mm) × 1.006 in (25.55 mm)
V2T-CUT1 / V2T	21/32 in (16.67 mm) / 0.494 in (12.55 mm) / 0 in (0 mm)	3/32 in (2.38 mm) × 10.012 in (254.3 mm) × 1.006 in (25.55 mm)
V2F-CUT1 / V2F	21/32 in (16.67 mm) / 0.494 in (12.55 mm) / 0 in (0 mm)	3/32 in (2.38 mm) × 1.006 in (25.55 mm) × 2 in (50.8 mm)
V2R-CUT1 / V2R	21/32 in (16.67 mm) / 0 in (0 mm) / 0 in (0 mm)	3/32 in (2.38 mm) × 1.006 in (25.55 mm) × 2 in (50.8 mm)

Receiving and physical acceptance record

Leave blank until measured or performed. A render, calculation or digital check does not fill these fields.

Required checkpoint	Actual result / date / reviewer
H01 · Received stock and complete veneer system Measure actual gauges and finished layer; maximum 0.046 in (1.17 mm) and final door gaps at least 1/16 in (1.59 mm). Obtain supplier balance/bond/finish advice and complete a full-size cured door trial. Extra balance layers require revision.	_____ _____ _____
H02 · Removable-pin hinges and two hasps Trial received 1798A21 hinges on paired rigid pads and obtain supplier/qualified acceptance of this custom support and screw engagement. Verify actual pin length/head, upper extraction path with roof fitted and two-person supported removal. Transfer all hinge/hasp holes, confirm full plate bearing, actual countersinks, sound edge distance and independent release/swing.	_____ _____ _____

Glue time: _____ · Last coating/repair: _____
Temperature / humidity: _____ · Full cure due: _____
Confirmed PSA dwell: _____ · Physical acceptance: _____

Receiving and physical acceptance record

Leave blank until measured or performed. A render, calculation or digital check does not fill these fields.

Required checkpoint	Actual result / date / reviewer
H03 · Screen capture and flush fixings Measure wire, recess and positive wood bearing. Confirm all 36 axes clear wire cells, full washer seating, inside tool access and 82-degree outer seats in sound plywood. Fit actual bolt length for full nylon engagement, two threads and spare closed-cover depth. Establish clamp, corrosion and load suitability; no torque/load rating supplied.	_____ _____ _____
H04 · Cured spacer-and-cap glazing Trial actual pane, plain EPDM and coatings. Caps must seat on their wood spacers with light rear strip contact, 1/8 in (3.18 mm) edge clearance and no bow. Do not stack foam or tighten screws to force fit. Resolve actual contact force and supplier compatibility.	_____ _____ _____

Glue time: _____ · Last coating/repair: _____

Temperature / humidity: _____ · Full cure due: _____

Confirmed PSA dwell: _____ · Physical acceptance: _____

Receiving and physical acceptance record

Leave blank until measured or performed. A render, calculation or digital check does not fill these fields.

Required checkpoint	Actual result / date / reviewer
H05 · Coatings and exposure Dry indoor, non-immersed reference only. Confirm adhesive/sealer/topcoat/cleaner and intended contact suitability. Separate clamp/no-stress waits, sealer wait and full finish cure. No water-holding or animal toxicology approval.	_____ _____ _____
H06 · Support, fixture and containment Verify actual loaded weight, continuous full base support and stability. Optional fixture geometry and proposed 2-pound ceiling are not a tested roof rating. Receive, weigh and seat fixture; complete temperature, ventilation, gaps, cleaning and species checks. Prototype, physical and qualified review remain open.	_____ _____ _____

Glue time: _____ · Last coating/repair: _____

Temperature / humidity: _____ · Full cure due: _____

Confirmed PSA dwell: _____ · Physical acceptance: _____

Sources, limits and maintenance

Product research and practical acceptance are separate. Current identity observations and exact document hashes are in the review packet.

- McMaster 1798A21 removable-pin hinges
- National Hardware N305-979 drawing
- OPTIX fabrication and cleaning
- Titebond III application and limits
- Oakwood PSA application
- Varathane Triple Thick technical data
- Poly Haven texture license

Separate statuses: research, dimensions, calculations and digital validation have their own evidence. No prototype has been built. Physical testing and qualified review have not been performed. Publication does not replace these construction checks.

This is an indoor non-immersed wooden shell. Keep wet features in separate removable leakproof containers. Disconnect equipment, secure occupants elsewhere and empty the enclosure before service. Use the pictured removal sequence and repeat affected checks after repair.

Full veneer is included in the schedule and model, subject to supplier balance, bond and cured-stack acceptance. The maple, white-oak and walnut scans by Jenelle van Heerden via Poly Haven illustrate appearance; natural grain and colour vary by delivered sheet.