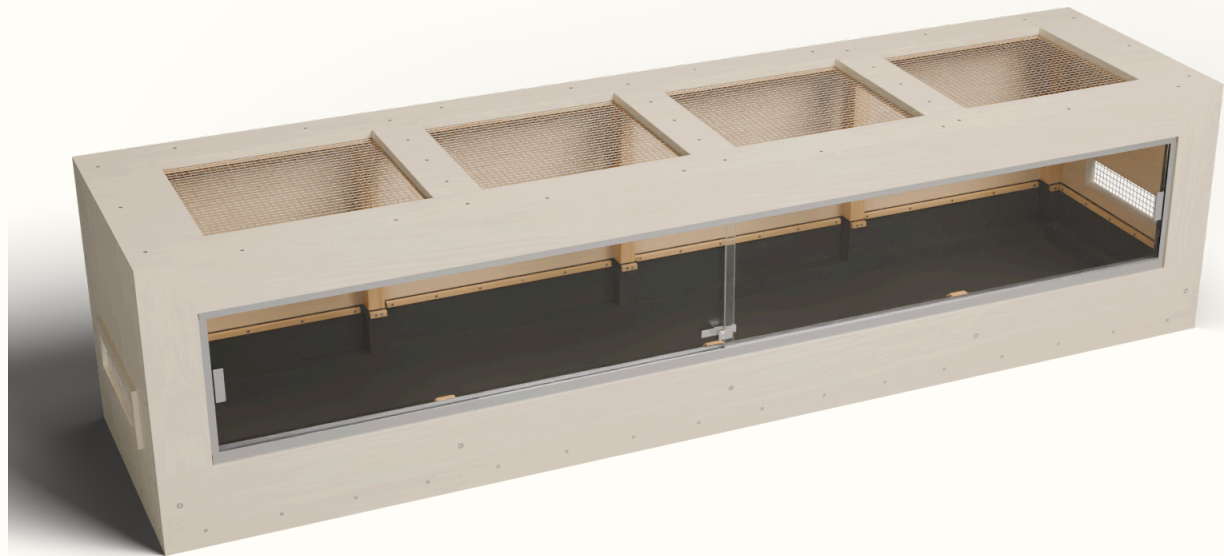


Build the extra-long lined sliding enclosure

N06 · V5 CANDIDATE 02 · ILLUSTRATED 02

96 × 24 × 24 inches

2438.4 × 609.6 × 609.6 mm · bare case, width × depth × height



Maple exterior including roof, edges and opening reveals

A lined four-inch bed, two removable rolling glass doors and a removable screened roof. Follow 70 pictured operations, with named parts and checks before continuing.

Before construction: wide-pane track approval, received-product trials, veneer balance/bond approval, prototype construction, physical testing and qualified review remain open. Publication approved; construction holds remain.

[Complete illustrated PDF](#)

Read this before cutting

Receive, measure and trial the actual components before dependent final cuts. This is an individual lined design. A changed gauge, track profile, liner allowance or veneer system requires synchronized recalculation.

Measurement	Reference
Bare exterior	96 × 24 × 24 in (2438.4 × 609.6 × 609.6 mm)
Reference covered body	96.061 in (2439.95 mm) × 24.061 in (611.15 mm) × 24.061 in (611.15 mm)
Maximum covered body	96.092 in (2440.74 mm) × 24.092 in (611.94 mm) × 24.092 in (611.94 mm)
External vent captures	Width 96.811 in (2459 mm) at reference stack; retainer heads remain inside the veneer envelope
Bed / finished floor	Bed 4 in (101.6 mm); finished floor 53/64 in (21.03 mm) above outside floor underside
Clear rectangle above bed	91 11/32 in (2320.13 mm) × 17 15/16 in (455.61 mm) × 16 31/32 in (431.01 mm); equipment reduces this further
Door opening	87 19/32 in (2224.88 mm) × 12 31/32 in (329.41 mm)
Single-leaf access	Reference 42.512625 in (1079.82 mm) × 11 9/32 in (286.54 mm); plan 41 in (1041.4 mm) width for service
Veneer / track seats	Reference 0.0305 in (0.77 mm); maximum 0.046 in (1.17 mm). Bare metal bearing and bond datums remain unchanged.

Measurement language: in means inches; mm means millimetres. Exact mating decimals are intentionally retained. Use shared marked strips and actual product gauges. X is from outside LEFT; Y from outside FRONT; Z from FLOOR UNDERSIDE unless a drawing explicitly names a local edge.

Tools, terms and workholding

Use a flat supporting bench, helpers for long assemblies and glass, clamps, tape, square, straightedge, caliper, depth stops, a marking knife and shared measuring strip. Cutting requires supported saw and jigsaw/router setups. Plane wide stock before ripping small strips; follow machine guards and minimum feed lengths.

Prepare drill/driver and countersink, 11/64 in (4.37 mm) #8 clearance and starting 7/64 in (2.78 mm) pine pilot, smaller actual-root-matched pilots, metal bits, backing boards, mesh snips, hacksaw and files. Glass comes finished from the fabricator; tempered glass cannot be cut or drilled afterward. Veneer needs a firm scraper, straightedge, sharp knife and sacrificial cutting board.

Wear eye/hearing protection, control dust and ventilate coatings. Protect hands when handling cut wire and sheet metal. Keep hands, gloves and loose clothing away from rotating machinery. Secure work and waste; never handhold a short part while drilling.

Term	Plain meaning
Cleat / lamination	A wood strip receiving screws / layers glued together
Pilot / clearance	Small thread-guiding hole in receiver / larger passage through first part
Countersink	Cone-shaped head seat that lets a flat-head screw sit flush
Datum / kerf	Named measuring surface / material removed by a saw cut
Rebate / bearing land	Shallow edge pocket / solid flat wood that carries the clamp pressure
PSA / EPDM	Pressure-sensitive adhesive / ethylene propylene diene monomer rubber
HDPE / RH / mil	High-density polyethylene / relative humidity / one thousandth of an inch

Find the next operation

1. OP01 · Plan full support and the wet load
2. OP02 · Plan transport and maintenance access
3. OP03 · Resolve the hardware and veneer purchase holds
4. OP04 · Receive, label and measure the stock
5. OP05 · Cut and label the three plywood sheets
6. OP06 · Mark the four roof openings
7. OP07 · Mark both raised wall vents
8. OP08 · Cut and check all six ventilation openings
9. OP09 · Prepare frame, supports and thin-strip stock
10. OP10 · Make a screen-capture trial before the final strips
11. OP11 · Laminate the front retainer and frame
12. OP12 · Build the track and liner trial gauges
13. OP13 · Identify the receivers and trial each pilot
14. OP14 · Set clearance holes, head seats and depth stops
15. OP15 · Attach the bottom wood supports
16. OP16 · Attach the bottom wood supports · continue
17. OP17 · Fit the walls and their upper supports
18. OP18 · Fit the walls and their upper supports · continue
19. OP19 · Close and square the back
20. OP20 · Close and square the back · continue
21. OP21 · Add the intermediate rear supports
22. OP22 · Add the intermediate rear supports · continue
23. OP23 · Install the substrate retainer
24. OP24 · Install the substrate retainer · continue

Find the next operation · continued

- 25. OP25 · Position and clamp the five retainer posts
- 26. OP26 · Trial the flush head and recessed nut
- 27. OP27 · Drill and fit the flush retainer fasteners
- 28. OP28 · Inspect the flush connection and liner protection
- 29. OP29 · Transfer the revised frame and roof screw rows
- 30. OP30 · Install the laminated jambs and header
- 31. OP31 · Install the laminated jambs and header · continue
- 32. OP32 · Cut and deburr the six mesh panels
- 33. OP33 · Dry-fit the side screen captures
- 34. OP34 · Seat capture screws and inspect both faces
- 35. OP35 · Fit roof ribs and recessed screen retainers
- 36. OP36 · Turn, seat and predrill the removable roof
- 37. OP37 · Trial the matched tracks and approved jamb relief
- 38. OP38 · Mark bare bond seats and trial cushions
- 39. OP39 · Predrill anti-lift and final hardware holes
- 40. OP40 · Disassemble, sand and retain the labels
- 41. OP41 · Mask glue and metal seats; measure finish coverage
- 42. OP42 · Preseal the veneer substrates and prove the bond
- 43. OP43 · Cut the veneer blanks with the grain plan
- 44. OP44 · Cover exposed edges and opening reveals first
- 45. OP45 · Apply the matching exterior face veneers
- 46. OP46 · Topcoat the veneer and remaining exposed wood
- 47. OP47 · Record full cure and inspect the finish
- 48. OP48 · Bond the four accepted jamb cushions

Find the next operation · continued

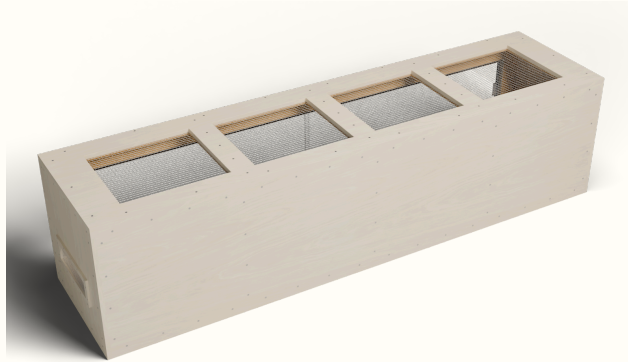
- 49. OP49 · Reassemble and bond the accepted track system
- 50. OP50 · Measure and release the glass order
- 51. OP51 · Fit the removable lined basin
- 52. OP52 · Fit the removable lined basin · continue
- 53. OP53 · Glaze, roll and seat the two door leaves
- 54. OP54 · Glaze, roll and seat the two door leaves · continue
- 55. OP55 · Fit the removable anti-lift inserts and jamb cushions
- 56. OP56 · Fit the removable anti-lift inserts and jamb cushions · continue
- 57. OP57 · Fit the lock and finger pulls
- 58. OP58 · Fit the lock and finger pulls · continue
- 59. OP59 · Secure the removable roof
- 60. OP60 · Secure the removable roof · continue
- 61. OP61 · Complete the construction inspection
- 62. OP62 · Complete the construction inspection · continue
- 63. OP63 · Place and measure the total bed
- 64. OP64 · Place and measure the total bed · continue
- 65. OP65 · Commission the actual habitat before animal entry
- 66. OP66 · Commission the actual habitat before animal entry · continue
- 67. OP67 · Remove the glass for service
- 68. OP68 · Clean the tracks and reinstall the panes
- 69. OP69 · Empty and remove the lined basin
- 70. OP70 · Inspect before returning the enclosure to service

OP01 · Plan full support and the wet load

Parts: Continuous supporting surface, empty-case template and full wet-load record

Tools / setup: Tape, square, caliper, pencil and receiving/support record; helper for the full-size template

Continuous support beneath the whole finished base



Allow at least 96.092 in (2440.74 mm) × 24.092 in (611.94 mm) for the maximum wood envelope, plus external protrusions.
The bed scenario alone reaches 457.25 lb (207.41 kg). Qualify the full load and floor separately.

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Plan full support and the wet load

1. Choose a level, rigid surface at least 96.092 in (2440.74 mm) wide × 24.092 in (611.94 mm) deep for the maximum veneer envelope. It must bear continuously beneath the entire floor. Feet or two end rails alone do not satisfy this design.
2. The conservative bed-volume envelope is 4.57 cubic feet (129 L), before wood support displacement. At an assumed wet bulk density of 100 lb/ft³ (1602 kg/m³), the bed alone is 457 lb (207 kg). Weigh the actual wet mix; add the shell, water, furnishings and equipment when qualifying the furniture and floor.

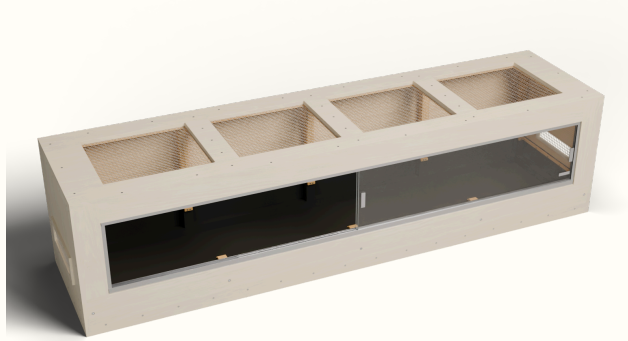
Check before continuing: The empty enclosure has a continuous support plan and a clear route for removing both glass leaves and the roof.

OPO2 · Plan transport and maintenance access

Parts: Full-size empty-case template, roof and glass handling templates

Tools / setup: Tape, square, caliper, pencil and receiving/support record; helper for the full-size template

Plan hands, tools, roof lift and supported glass removal



Plan a clear front opening of at least 41 in (1041.4 mm) for handling, reduced by actual hardware and hands.
Keep room above the entire roof and ribs; rehearse the full empty transport and maintenance route.

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Plan transport and maintenance access

1. Keep room above for the full roof and its deep cross supports to lift clear, in front for two people supporting the glass, and beside both vents for cleaning. At the reference veneer stack the external vent captures make the enclosure 96.811 in (2459 mm) wide. Retainer screw heads sit flush with the front wood and below the veneer surface; no retainer nuts or tails project outside. These are fixed-object dimensions; add actual hand/tool and handling space. Rehearse the full transport and service route with a full-size light template before cutting.
2. Do not stack enclosures, hang this box, climb on it or move it loaded. Plan separate furniture restraint to the actual wall structure if tipping is possible; this guide does not rate a stand or wall anchorage.

Check before continuing: The empty enclosure has a continuous support plan and a clear route for removing both glass leaves and the roof.

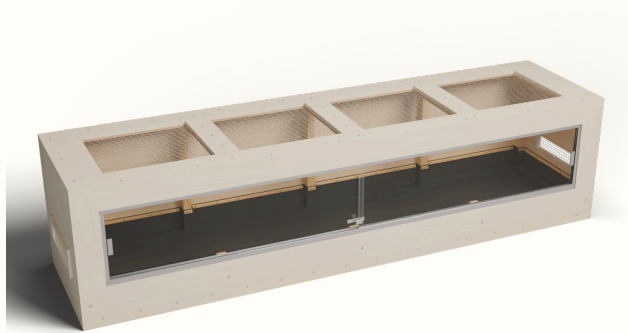
OP03 · Resolve the hardware and veneer purchase holds

Parts: Matched hardware, wood, veneer and coating samples

Tools / setup: Supplier correspondence, actual product samples and receiving record

Before you begin: These are design/product holds before purchase, not tasks that a later leak test can approve.

Check actual wood, hardware, film and veneer before cutting



The pictured object uses reference dimensions; delivered measurements have not been supplied. H01–H09 identify the required decisions, samples and physical acceptance records.

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Resolve the hardware and veneer purchase holds

1. Read H01 and H03 before ordering. Ask KV to confirm the separate track components, the 44.168875 in (1121.89 mm) reference pane width and the proposed jamb divider relief. Save its written response; if declined, stop and redesign the closure.
2. Choose maple, white oak or walnut. Confirm 48 in (1219.2 mm) × 120 in (3048 mm) PSA sheets, the complete cured thickness, one-sided panel balance and compatibility with the selected sealer and intended exterior environment. A PSA backing is a pressure-sensitive adhesive; it bonds when correctly prepared and firmly pressed.
3. Obtain the supplier's acclimation and pressure/dwell instructions. No numeric adhesive dwell has been invented. Prepare a full stack trial and wait the confirmed time before cutting final veneer or treating the bond as accepted.

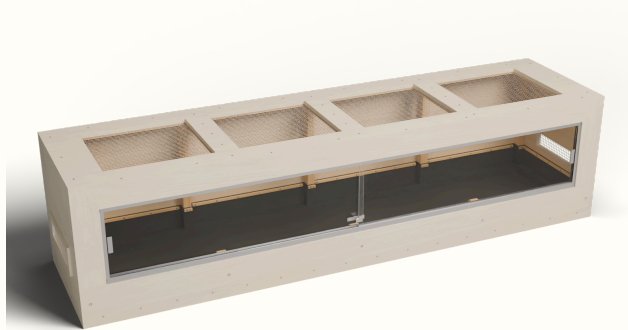
Check before continuing: The named supplier questions have written answers; unaccepted substitutions remain quarantined.

OP04 · Receive, label and measure the stock

Parts: Received wood, matching tracks, glass-thickness gauge, liner and underlay samples

Tools / setup: Tape, square, caliper, pencil and receiving/support record; helper for the full-size template

Check actual wood, hardware, film and veneer before cutting



The pictured object uses reference dimensions; delivered measurements have not been supplied. H01–H09 identify the required decisions, samples and physical acceptance records.

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Receive, label and measure the stock

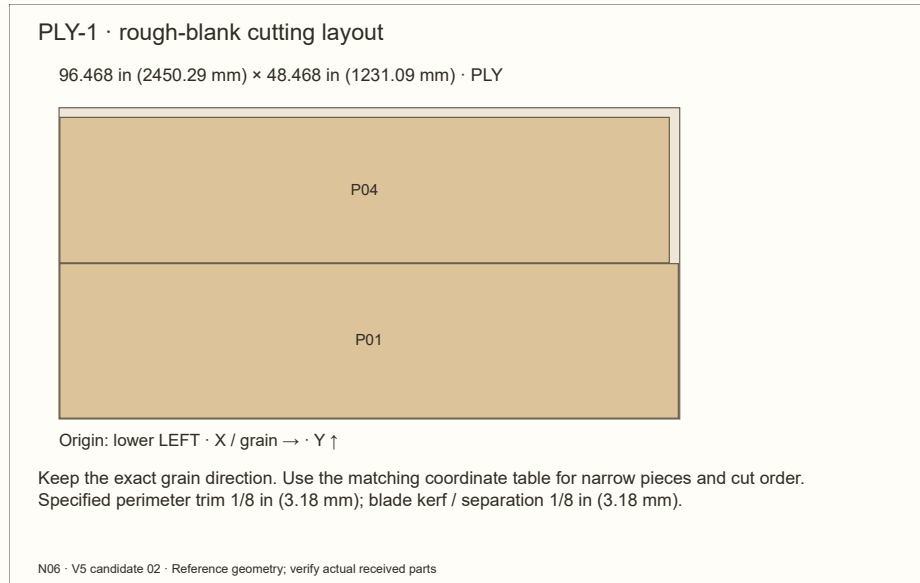
1. Measure the actual thickness of the nominal 3/4 in (19.05 mm) plywood at several points. Reject delaminated sheets and warped stock. Check solid wood supports are 1 1/2 in (38.1 mm) square and the frame pine is 3/4 in (19.05 mm) thick.
2. Receive matching steel Roll-Ezy 993 upper channel, 995 shoes, 997 carriers and 999 lower track, the 963L lock and PL Premium 1390595 only after H01 acceptance. Inspect straightness, zinc finish and freely rolling balls. The older 144 in (3657.6 mm) opening limit does not resolve the newer 36 in (914.4 mm) door-width statement.
3. Place the underlay and 45 mil ethylene propylene diene monomer (EPDM) liner together on a smooth plywood offcut. Measure their compressed thickness without a corner fold. The starting allowance is 1/8 in (3.18 mm); record the actual thickness on a marked measuring strip.
4. On the strip, mark the floor underside. Above it, mark the actual plywood thickness plus compressed lining to locate the finished floor. From that finished-floor mark, measure up 4 in (101.6 mm) for the maximum bed, 6 in (152.4 mm) for the retaining-panel top and 7 in (177.8 mm) for the vent bottom. Transfer these marks to the build.

Check before continuing: All labels and measured thicknesses agree with the fitting worksheet. No glass has been ordered.

OP05 · Cut and label the three plywood sheets

Parts: P01 — Floor; P02 — Removable roof; P03L — L wall; P03R — R wall; P04 — Back; RB1 — Laminated substrate retaining board; RB2 — Laminated substrate retaining board; RB3 — Laminated substrate retaining board

Tools / setup: Tape, square, straightedge, clamps and fully supported cutting setup; drill and guided jigsaw/router for openings



Cut and label the three plywood sheets

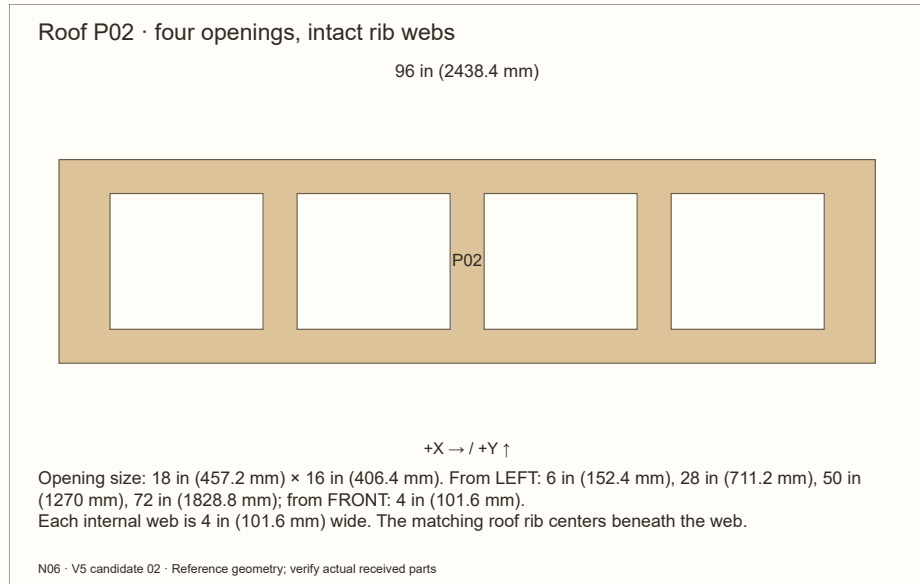
1. Use the exact PLY-1 through PLY-3 diagrams. The 96 in (2438.4 mm) floor and roof need 96 1/8 in (2441.58 mm) rough blanks; a sheet exactly 96 in (2438.4 mm) long has no trimming allowance. Receive at least 96 3/8 in (2447.93 mm) usable raw length for the two 1/8 in (3.18 mm) end trims shown. Verify the actual sheet contains every blank and kerf before marking.
2. Reference finished sides are 24 in (609.6 mm) deep × 22 19/32 in (573.88 mm) high, the back is 94 19/32 in (2402.68 mm) wide × 22 19/32 in (573.88 mm) high, and each of the three retainer layers is 94 19/32 in (2402.68 mm) wide × 6 1/8 in (155.58 mm) high. Begin with the larger rough blanks in the cut schedule. Fit the sides between actual floor and roof within the 24 in (609.6 mm) core height, the back between the sides and the retainer top 6 in (152.4 mm) above the actual finished-floor mark.
3. Mark every part ID, front edge, inside face and grain direction in pencil. Keep the long grain across the back and retainer span. Stack matching parts and check them with a straightedge; correct discrepancies before holes.
4. Inches are the setting-out units; metric values are rounded equivalents. Use the exact cut schedule and actual mating gauges. Do not round a mating cut independently or combine an old approximate dimension with this revision.

Check before continuing: Opposite sides match; all three retainer boards have the same height and square edges.

OP06 · Mark the four roof openings

Parts: P02 — removable roof

Tools / setup: Tape, square, straightedge, clamps and fully supported cutting setup; drill and guided jigsaw/router for openings



Mark the four roof openings

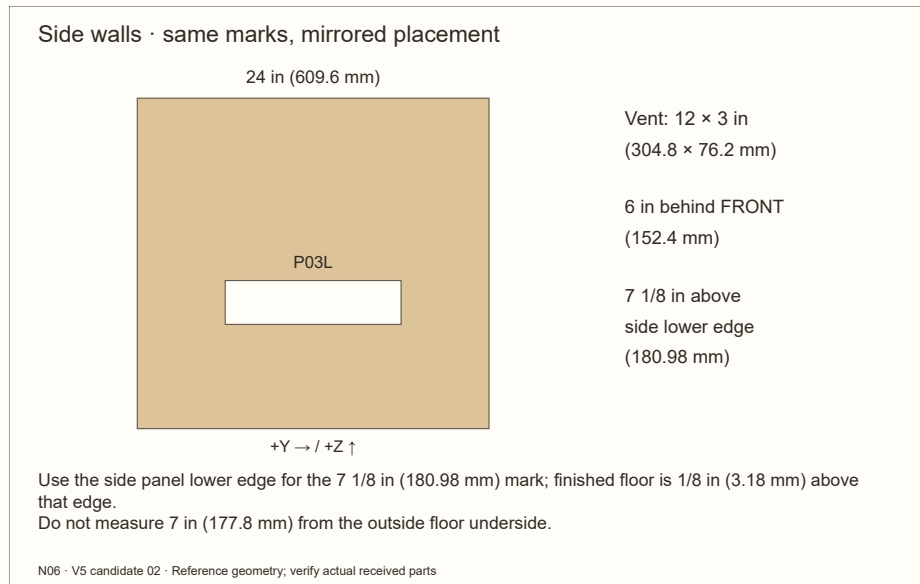
1. On the roof, mark four 18 in (457.2 mm) × 16 in (406.4 mm) openings. Their front edges are 4 in (101.6 mm) from the front; left edges are 6 in (152.4 mm), 28 in (711.2 mm), 50 in (1270 mm) and 72 in (1828.8 mm) from the left. Keep all three 4 in (101.6 mm) webs intact for the roof ribs.

Check before continuing: Each rectangle lies in the scheduled solid roof; the three intact webs receive the roof ribs.

OP07 · Mark both raised wall vents

Parts: P03L and P03R — left and right walls

Tools / setup: Tape, square, straightedge, clamps and fully supported cutting setup; drill and guided jigsaw/router for openings



Mark both raised wall vents

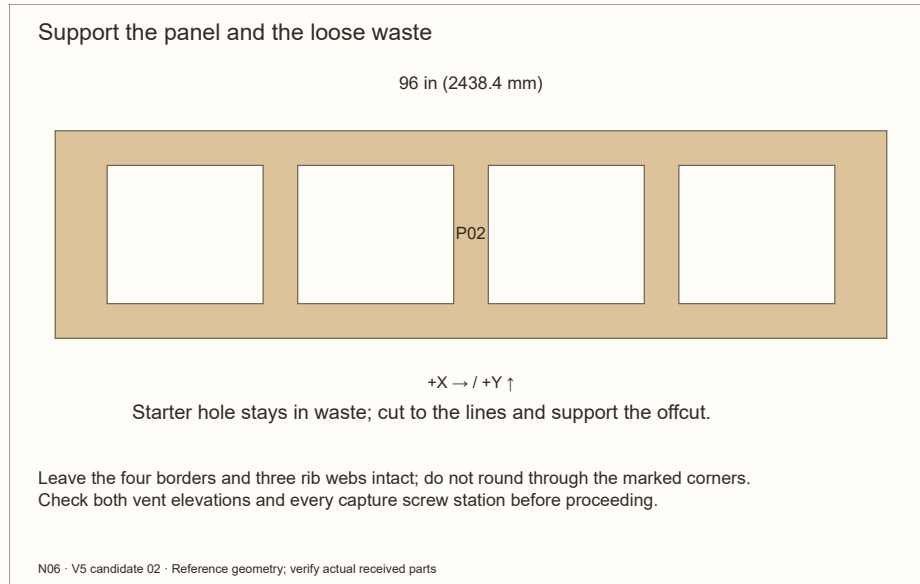
1. On each side, mark a 12 in (304.8 mm) × 3 in (76.2 mm) opening starting 6 in (152.4 mm) behind the front edge. Its lower edge is 7 in (177.8 mm) above the finished-floor mark, not the floor underside.

Check before continuing: Both lower vent lines are 7 in (177.8 mm) above the finished floor, or 7 1/8 in (180.98 mm) above the side panel lower edge.

OP08 · Cut and check all six ventilation openings

Parts: P02 — Removable roof; P03L — L wall; P03R — R wall

Tools / setup: Tape, square, straightedge, clamps and fully supported cutting setup; drill and guided jigsaw/router for openings



Cut and check all six ventilation openings

1. Drill starter holes entirely inside the waste. Cut with a guided router or supported jigsaw; do not cross the marked corner lines. Ease sharp reveals and remove every splinter.
2. Dry-place the capture strips over the waste-side margins. Each mesh edge must sit beneath a strip, and no fastener station may land in an opening. Leave the rest of the roof solid; equipment penetrations are a later, separately fitted operation.

Check before continuing: Both vents start 3 in (76.2 mm) above the maximum total bed; all roof borders and all three rib webs remain intact.

OP09 · Prepare frame, supports and thin-strip stock

Parts: F0/F1 frame; C solid supports; V/RT screen captures; LC liner clamps. Exact named IDs appear in the cut and stock drawings.

Tools / setup: Tape, square, straightedge, clamps and fully supported cutting setup; drill and guided jigsaw/router for openings

Prepare the frame and solid supports from labeled stock



Use PINE-FRAME, PINE-THIN and SOLID layouts; the dedicated PINE-TRIAL board is not a structural part. Plane and recess safe wide blanks before ripping narrow captures and liner clamps.

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Prepare frame, supports and thin-strip stock

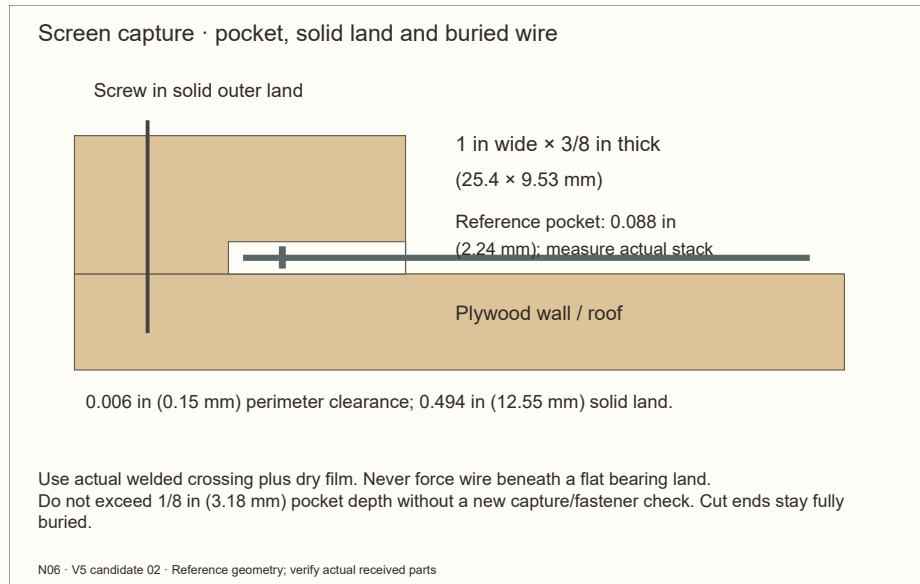
1. Cut the front frame from the PINE-FRAME layouts. Keep 3/4 in (19.05 mm) actual thickness and the scheduled grain direction. Follow the exact part table; labels on the model are part identifiers, not nominal lumber sizes.
2. Have the PINE-THIN boards planed to 3/8 in (9.53 mm) while still full width. Follow their revised layouts for 1 in (25.4 mm)-wide screen captures and 1/2 in (12.7 mm)-wide liner clamps. Route capture recesses on safe wide blanks after the trial below, before the final rip cuts. Never feed a finished narrow strip through a planer. The SOLID support layouts use the full stock length with no end-trim allowance. Accept only straight, sound stock with square usable ends and the stated usable length; otherwise obtain longer stock and revise the layout before cutting.
3. Cut to length six solid 2 × 2 boards for four bottom wood supports, five rear uprights, five front posts, three upper wood supports and three roof ribs. Use their actual full section; these are not laminated strips.
4. Lightly ease exposed corners and especially the wood supports beneath the liner. Keep joint faces square and bare. Label the underside of each roof capture so it returns to its own holes.

Check before continuing: Each solid member and thin strip is identified; no cracked or knot-weakened wood support is used.

OP10 · Make a screen-capture trial before the final strips

Parts: Dedicated trial board, mesh offcut, all V/RT capture strips

Tools / setup: Caliper, router with fixed guide and depth stop, clamps, sacrificial wide blank, eye/hearing/dust protection



Make a screen-capture trial before the final strips

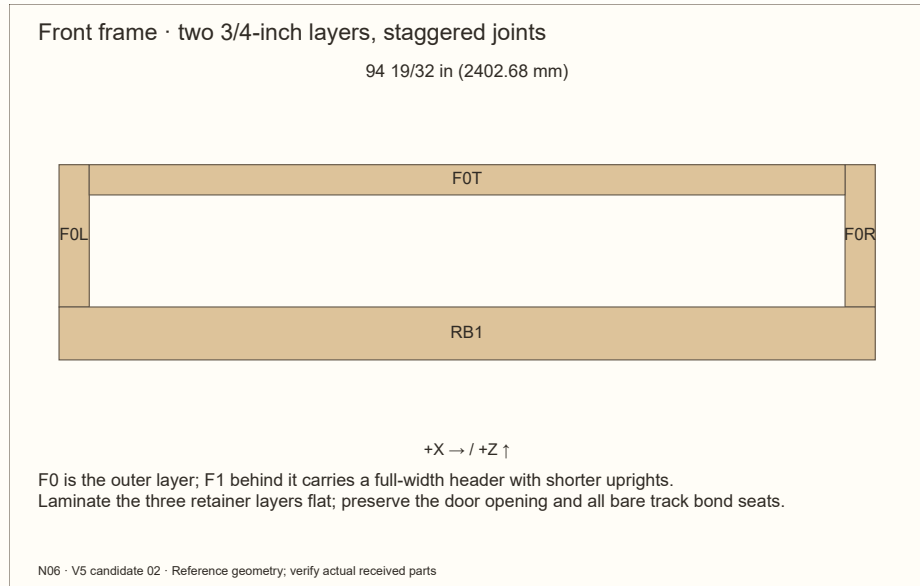
1. Measure the maximum welded-wire crossing with a caliper. Add the dry coating on both bearing faces. The digital reference uses 0.041 in (1.04 mm) wire, a 0.082 in (2.08 mm) crossing and 0.003 in (0.08 mm) film on each face, giving a 0.088 in (2.24 mm) recess. These are reference inputs, not delivered measurements.
2. On a wide sacrificial blank, clamp a router guide and use repeated shallow passes to form a shallow edge recess, often called a rebate. The nominal 1/2 in (12.7 mm) outer land has 0.006 in (0.15 mm) perimeter relief for film and fit, leaving 0.494 in (12.55 mm) reference solid land. Follow the pocket schedule. Test the wire and coated sample: the land must sit flat, cut ends stay buried and the mesh cannot rattle or peel from under the lip.
3. Do not exceed 1/8 in (3.18 mm) recess depth without revising the strips and screw checks. Machine the safe wide blank first, then rip and crosscut final pieces using the tool maker's guards, support and minimum feed lengths. Never handhold a short strip at a spinning cutter.

Check before continuing: The received stack is measured and the trial shows flat lands, buried wire and secure capture.

OP11 · Laminate the front retainer and frame

Parts: RB1 — Laminated substrate retaining board; RB2 — Laminated substrate retaining board; RB3 — Laminated substrate retaining board; F0L — L jamb layer; F1L — L jamb layer; F0R — R jamb layer; F1R — R jamb layer; F0T — Header layer; F1T — Header layer

Tools / setup: Tape, square, straightedge, padded clamps, glue applicator and wipe cloth



Laminate the front retainer and frame

1. Dry-stack RB1, RB2 and RB3 face to face, flush at their top and ends. Their combined depth matches three layers of the actual plywood. Dry-lay the front frame above them: outer layer jambs run full height, inner layer header runs full width.
2. Spread Titebond III on the two retainer bond interfaces and between the two frame layers. Keep a consistent film across bare wood; use padded straight clamping pads and enough clamps to close the joints without bowing the long members.
3. Compare both frame diagonals and check the track-bearing faces with a straightedge. Wipe away squeeze-out before it hardens. Do not glue the frame to the retainer yet; these remain separate assemblies for finishing.
4. Follow the glue label for temperature and clamping. Leave these unstressed glue-ups for at least 24 hours before drilling or loading, extending the wait when the manufacturer requires it.

Check before continuing: The laminated retainer is flat and the 1 1/2 in (38.1 mm) deep frame has staggered, closed joints.

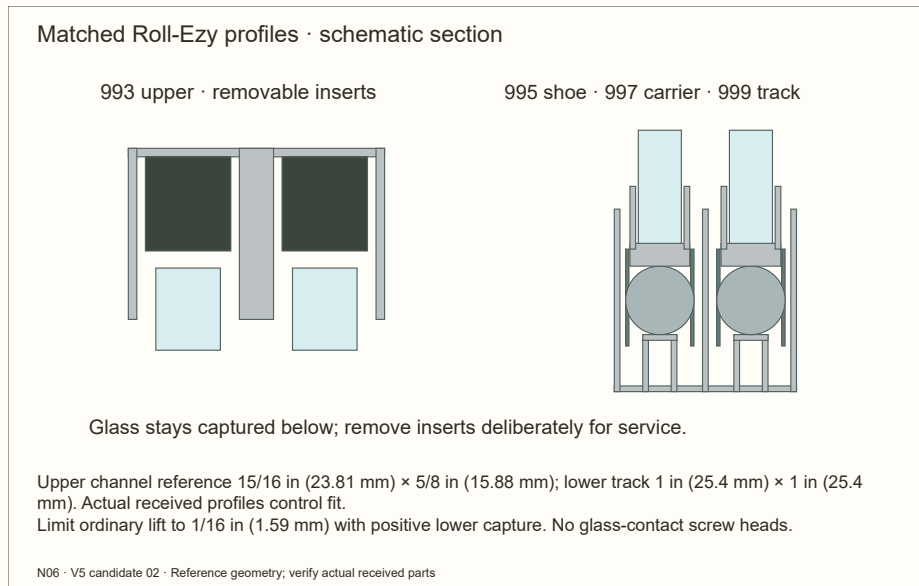
Required wait: Glue cure: at least 24 hours; follow the received label

OP12 · Build the track and liner trial gauges

Parts: KV993 upper/jamb channel, KV999 lower track, KV995 shoe, KV997 carrier, 6 mm sample panel, liner and cleat offcuts

Tools / setup: Caliper, rigid opening gauge, clamps, matched track offcuts, disposable panel and liner sample

Before you begin: Supplier acceptance comes before this trial. Reference glass sizes are not order sizes.



Build the track and liner trial gauges

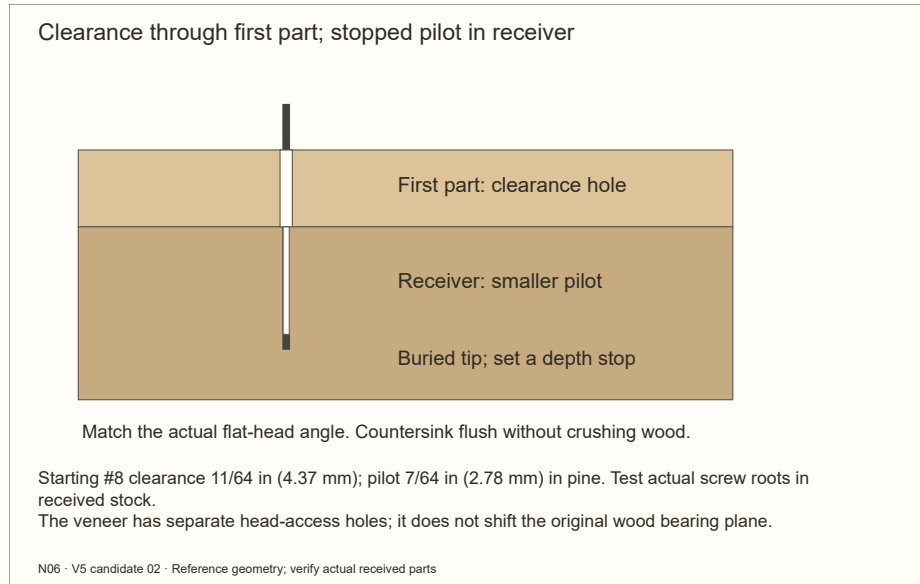
1. Make a rigid opening gauge for the exact 87 19/32 in (2224.88 mm) × 12 31/32 in (329.41 mm) reference opening, then substitute the measured dry-frame dimensions. Use a smooth disposable panel measured to the actual selected glass thickness: 6 mm (0.23622047 in). A 1/4 in (6.35 mm) board is thicker than 6 mm. The sample is a fit gauge, never a substitute door.
2. Assemble offcuts of the received 999 lower track, 997 carrier, 995 shoe and 993 upper channel around that measured 6 mm panel gauge. Use the matching family throughout; modeled proprietary sections are reference envelopes. Record lane, web, shoe and ball dimensions from the actual products.
3. Check the manufacturer's 1 1/4 in (31.75 mm) height deduction between the outside track faces, including the actual bond beds. Prove rolling, positive capture, deliberate lift-out and 1 in (25.4 mm) overlap. Bond a steel offcut to bare wood with PL Premium; follow the "Reassemble and bond the accepted track system" cure instructions. Reject a peeling sample.
4. Fold a liner offcut over a cleat and into a corner. Mark the central finished-floor datum separately from the raised support. Reserve 1/8 in (3.18 mm) at each wall fold; deduct any larger measured stack from the usable interior.

Check before continuing: The matched sample rolls and lifts out with retention removed. The cured bond sample holds without peeling. No glass has been ordered.

OP13 · Identify the receivers and trial each pilot

Parts: Matching plywood/pine offcuts, actual #8/#6/#4 screws and the named station schedule

Tools / setup: Tape, square, clamps, drill/driver, clearance and pilot bits, countersink and depth stops; helper for turning



Identify the receivers and trial each pilot

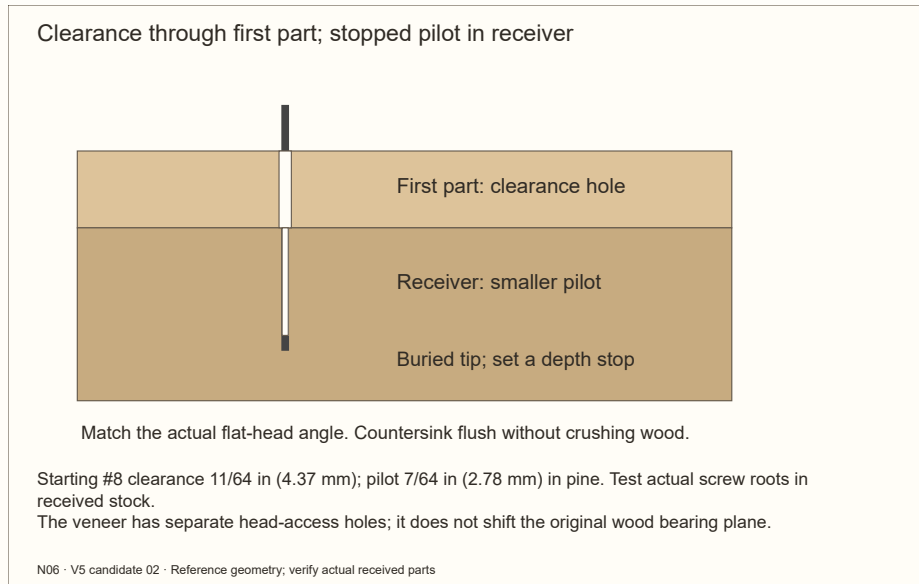
1. Lay out the labeled parts with the revised fastener schedule. Identify the first part and solid receiver for every screw before drilling. As each shell joint is assembled in the following operations, compare it with that schedule and inspect both faces for missing receivers, splits or exposed points.
2. Make pilot tests in matching offcuts. The starting pilots are 7/64 in (2.78 mm) for #8, 3/32 in (2.38 mm) for #6 and 1/16 in (1.59 mm) for #4. Adjust for the actual wood and screw root; a split or spinning test means the setup is wrong.

Check before continuing: Each joint has named mating parts; the offcut pilots hold without splitting or spinning.

OP14 · Set clearance holes, head seats and depth stops

Parts: Matching plywood/pine offcuts, actual #8/#6/#4 screws and the named station schedule

Tools / setup: Tape, square, clamps, drill/driver, clearance and pilot bits, countersink and depth stops; helper for turning



Set clearance holes, head seats and depth stops

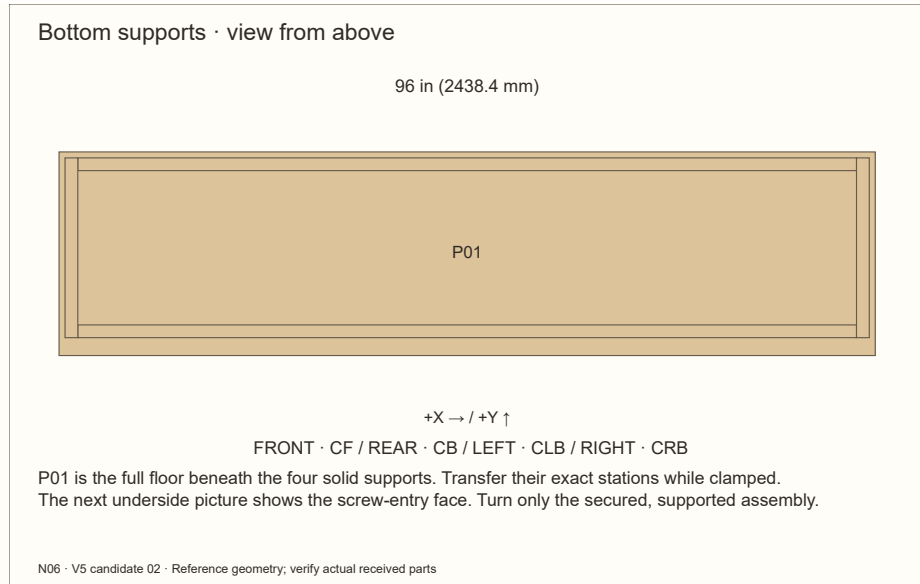
1. Set the clearance depth separately from the receiver pilot. Use 11/64 in (4.37 mm), 9/64 in (3.57 mm) and 1/8 in (3.18 mm) starting clearance bits for #8, #6 and #4 respectively. Confirm head shape in a scrap countersink.
2. Check both faces after every group. The reference minimum buried screw-point margin is 1/16 in (1.59 mm); include the drill point in the stopped pilot depth. Veneer is excluded around each head so every screw retains its original wood bearing plane and engagement. Keep these service holes open. Use the revised station schedule. Replace a stripped receiver; do not substitute a longer screw.

Check before continuing: The trial clearance passes the screw freely and the head sits flush; the stopped pilot leaves the specified point cover.

OP15 · Attach the bottom wood supports

Parts: P01 — Floor; CLB — L bottom cleat; CRB — R bottom cleat; CF — Front floor cleat; CB — Back floor cleat

Tools / setup: Tape, square, clamps, drill/driver, clearance and pilot bits, countersink and depth stops; helper for turning



Attach the bottom wood supports

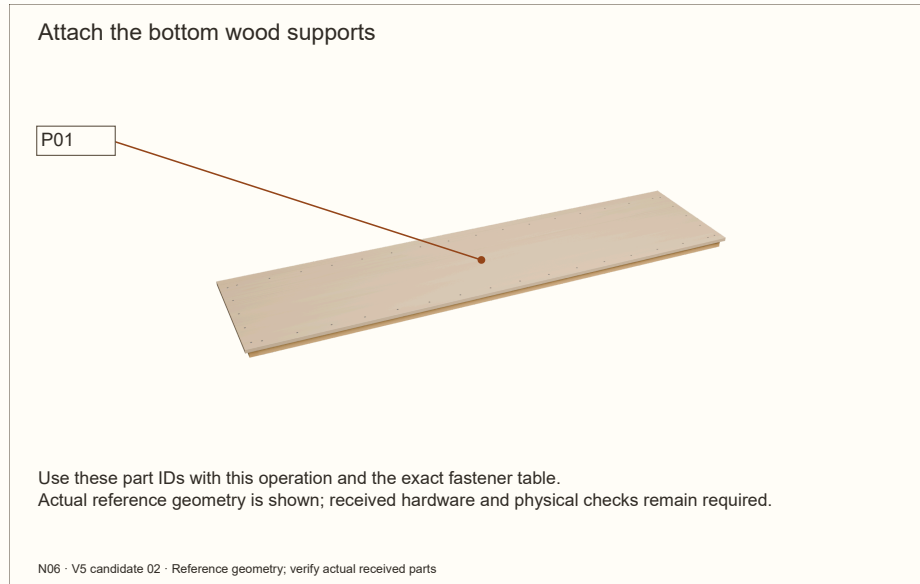
1. Place P01 on a flat sacrificial board. Set the left and right bottom supports inward by the actual side-panel thickness, using an offcut as a spacer. Set their front ends behind the three-layer retaining panel. Fit CF between them against the back of that panel; fit CB between them against the inside face of the back panel.
2. Clamp the dry assembly securely. With a helper, turn it onto padded supports that expose the floor underside and leave a clear drill path. Transfer the revised floor stations: 11/64 in (4.37 mm) clearance through P01 only and a starting 7/64 in (2.78 mm) stopped pilot in the pine, tested on an offcut. Mark every mating face; return upright and separate the supports after drilling.
3. Apply Titebond III only to the floor/support bond faces. Reassemble on the recorded marks and clamp. With a helper, turn the secured assembly onto padded supports again and drive the #8 × 1 1/4 in (31.75 mm) screws from below. Keep heads flush, wipe squeeze-out, then return the assembly upright and flat for cure. Never balance the assembly on an edge or drill into the bench.

Check before continuing: The floor underside sits completely flat, with no projecting head; the front recess fits the three-layer retaining panel.

OP16 · Attach the bottom wood supports · continue

Parts: P01 — Floor; CLB — L bottom cleat; CRB — R bottom cleat; CF — Front floor cleat; CB — Back floor cleat

Tools / setup: Tape, square, clamps, drill/driver, clearance and pilot bits, countersink and depth stops; helper for turning



Attach the bottom wood supports · continue

1. Check the retainer and back-panel recesses before the glue sets. Let the floor assembly remain flat and unstressed during cure.

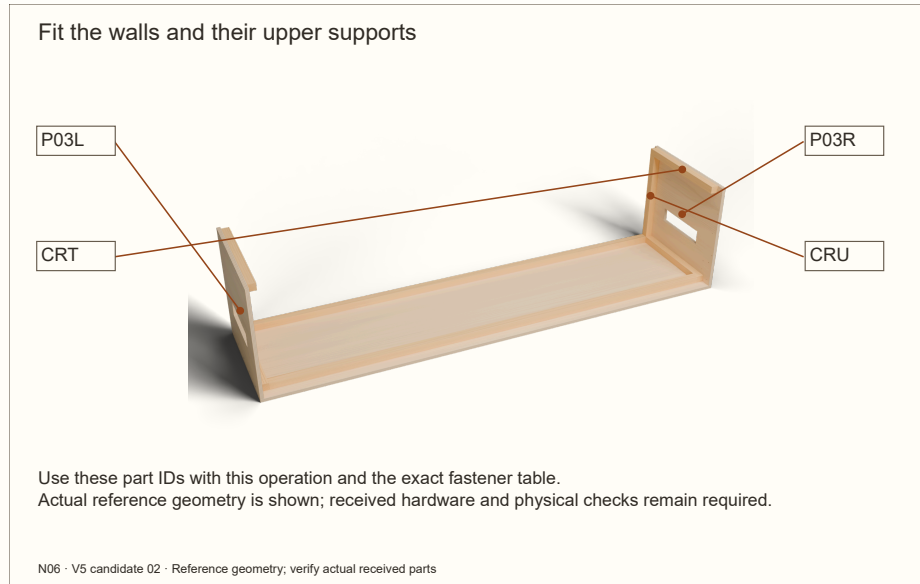
Check before continuing: The floor underside sits completely flat, with no projecting head; the front recess fits the three-layer retaining panel.

Required wait: Do not stress glued wood supports for at least 24 hours

OP17 · Fit the walls and their upper supports

Parts: P03L — L wall; P03R — R wall; CLU — L rear upright; CRU — R rear upright; CLT — L upper cleat; CRT — R upper cleat

Tools / setup: Tape, square, clamps, drill/driver, clearance and pilot bits, countersink and depth stops; helper for turning



Fit the walls and their upper supports

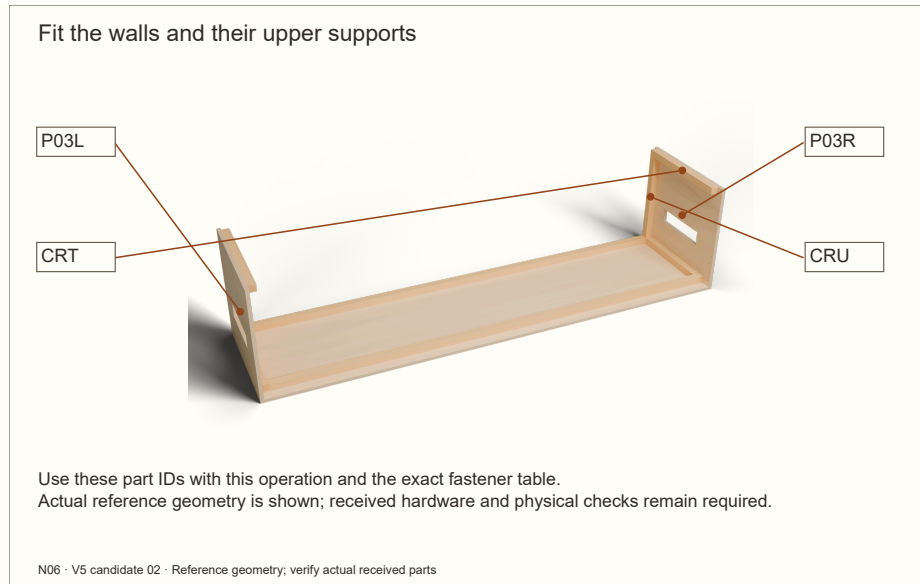
1. Clamp CLU and CLT to the inside of the left wall; repeat with CRU and CRT on the right. Upper wood supports end at the back-panel face and start 1 1/2 in (38.1 mm) behind the front. The rear uprights fit between lower and upper wood supports.
2. Stand each wall on P01, flush with its outer edge and front. Clamp it to the bottom wood support. Use a helper while the box is open.
3. Transfer the listed stations through each wall into the matching solid receiver. Drill the #8 clearance through the plywood, then a stopped pilot into pine. Keep the rear-upright back screws offset from the side screws as shown in the station schedule.

Check before continuing: Walls are upright and parallel; all screw points terminate in solid wood supports, and no screw projects into the room.

OP18 · Fit the walls and their upper supports · continue

Parts: P03L — L wall; P03R — R wall; CLU — L rear upright; CRU — R rear upright; CLT — L upper cleat; CRT — R upper cleat

Tools / setup: Tape, square, clamps, drill/driver, clearance and pilot bits, countersink and depth stops; helper for turning



Fit the walls and their upper supports · continue

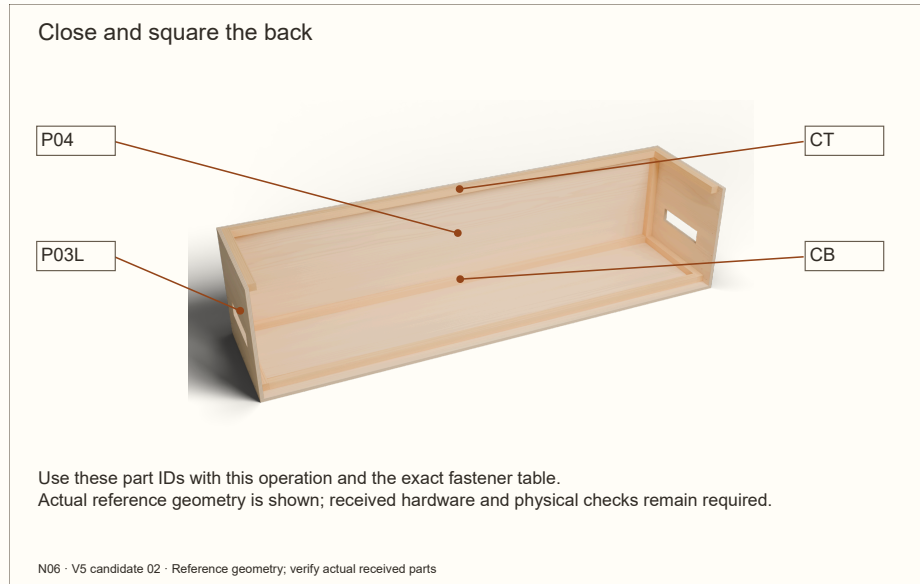
1. Fasten with #8 × 1 1/4 in (31.75 mm) screws, tightening by hand for the last turn. These wall joints stay dry during fitting so the panels can be removed for finishing.

Check before continuing: Walls are upright and parallel; all screw points terminate in solid wood supports, and no screw projects into the room.

OP19 · Close and square the back

Parts: P04 — Back; CT — Back upper cleat

Tools / setup: Tape, square, clamps, drill/driver, clearance and pilot bits, countersink and depth stops; helper for turning



Close and square the back

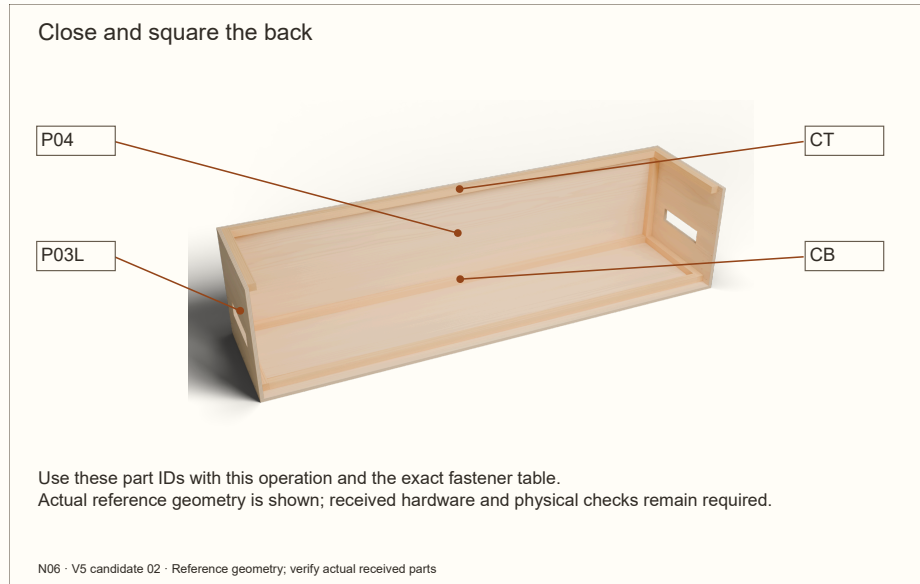
1. Fit P04 between the side panels, resting on the floor with its outside face flush to the side-panel rear edges. Clamp to CB, CT and both rear uprights.
2. Compare the two diagonals across the front and across the back. Adjust until each pair differs by no more than 1/16 in (1.59 mm). Recheck on the final supporting surface if it differs from the bench.
3. Drill clearance through P04 and stopped pilots into the named receivers at the close and square the back operation stations. Use the offset upright positions so a back screw does not meet a side screw.

Check before continuing: The shell remains square without clamp pressure; the back and both walls bear on the floor.

OP20 · Close and square the back · continue

Parts: P04 — Back; CT — Back upper cleat

Tools / setup: Tape, square, clamps, drill/driver, clearance and pilot bits, countersink and depth stops; helper for turning



Close and square the back · continue

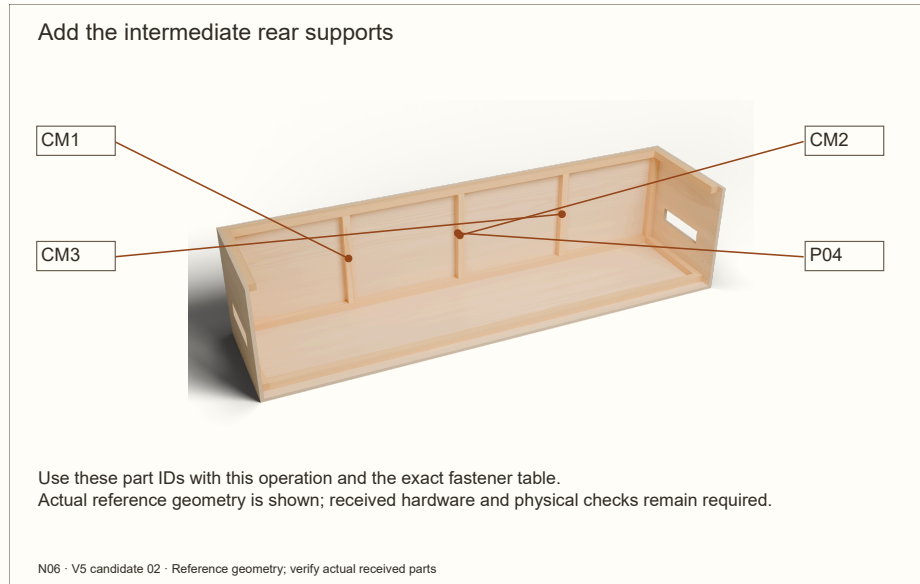
1. Fit the #8 × 1 1/4 in (31.75 mm) screws and check that the full back edge sits flush. Do not pull a twisted box square by overdriving a screw.

Check before continuing: The shell remains square without clamp pressure; the back and both walls bear on the floor.

OP21 · Add the intermediate rear supports

Parts: CM1 — Intermediate back upright; CM2 — Intermediate back upright; CM3 — Intermediate back upright

Tools / setup: Tape, square, clamps, drill/driver, clearance and pilot bits, countersink and depth stops; helper for turning



Add the intermediate rear supports

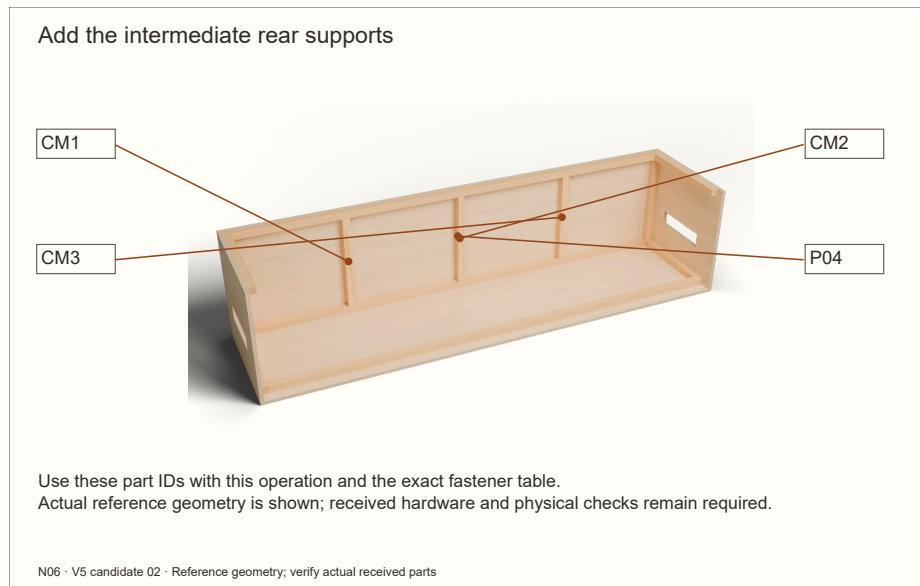
1. Place CM1, CM2 and CM3 against the inside of the back at centers 24 in (609.6 mm), 48 in (1219.2 mm) and 72 in (1828.8 mm) from outside LEFT. Each is 19 19/32 in (497.68 mm) long in the reference and fits between CB and CT; use the actual mating faces.
2. Clamp each upright square with its bottom bearing fully on CB. Transfer the add the intermediate rear supports operation stations through P04. Drill #8 clearance through the plywood and stopped 7/64 in (2.78 mm) starting pilots into the solid pine.
3. Fit the listed #8 × 1 1/4 in (31.75 mm) screws from the back. Tighten evenly by hand, keeping the back flat and the upper wood support level. Confirm all points remain buried.

Check before continuing: Five rear uprights are square and secure; no screw point or sharp corner meets the future liner.

OP22 · Add the intermediate rear supports · continue

Parts: CM1 — Intermediate back upright; CM2 — Intermediate back upright; CM3 — Intermediate back upright

Tools / setup: Tape, square, clamps, drill/driver, clearance and pilot bits, countersink and depth stops; helper for turning



Add the intermediate rear supports · continue

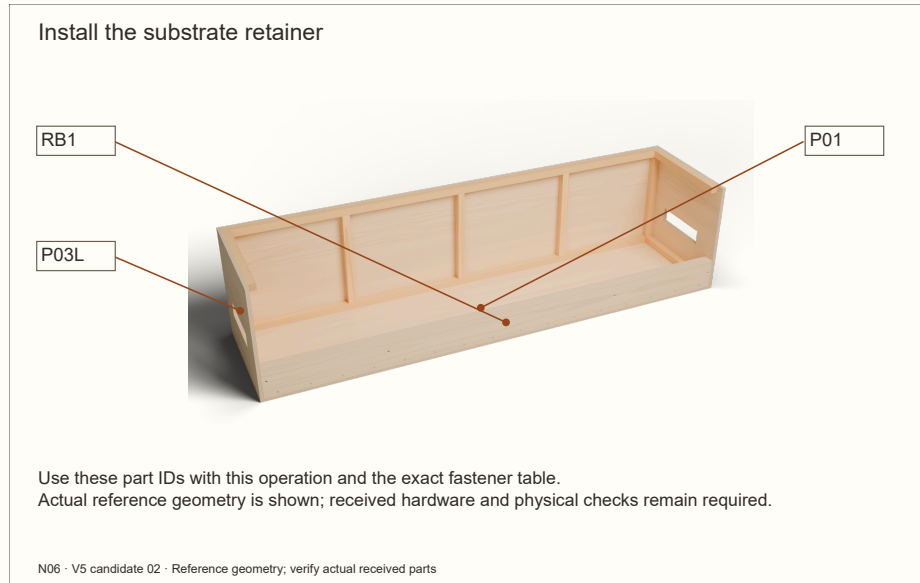
1. Check all three intermediate uprights and both rear corner uprights bear on their lower wood supports. Ease the edges that the liner will wrap around. Leave the five front posts loose until the retainer is seated in the next step.

Check before continuing: Five rear uprights are square and secure; no screw point or sharp corner meets the future liner.

OP23 · Install the substrate retainer

Parts: RB1 — Laminated substrate retaining board; RB2 — Laminated substrate retaining board; RB3 — Laminated substrate retaining board

Tools / setup: Tape, square, clamps, drill/driver, clearance and pilot bits, countersink and depth stops; helper for turning



Install the substrate retainer

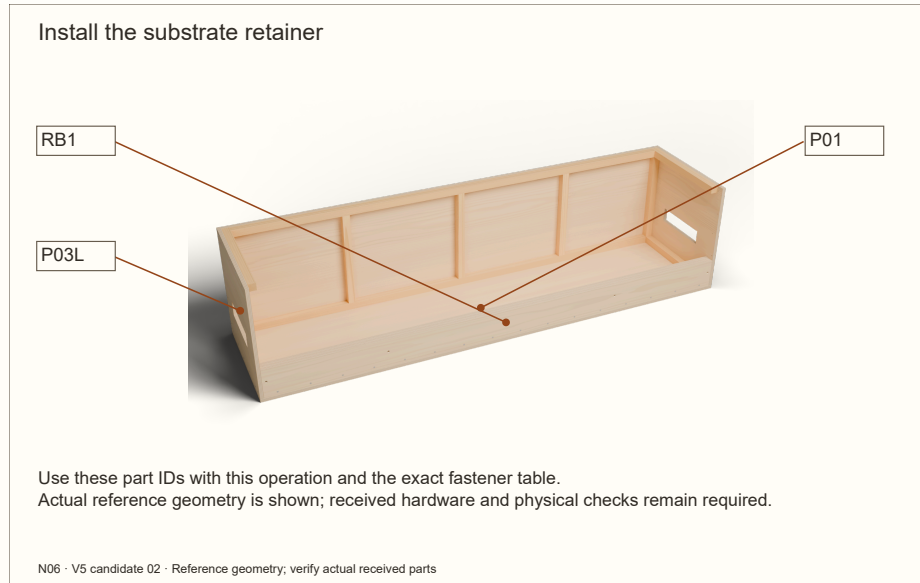
1. Seat the cured three-layer retainer on P01 in front of CF. Its ends fit between the side panels and its front face is flush with the front of the floor.
2. Set the wood retaining-panel top 6 in (152.4 mm) above the finished floor, before adding the track. A 4 in (101.6 mm) total bed leaves 2 in (50.8 mm) to the wood top.
3. At the end stations, drill #8 clearance through each side and pilots into the retainer ends. At the front stations, drill clearance through RB1 and RB2 and pilots into RB3; keep the 2 in (50.8 mm) screws within the laminate.

Check before continuing: The retaining top is level, continuous and at the marked reference mark; no screw point projects through its inner face.

OP24 · Install the substrate retainer · continue

Parts: RB1 — Laminated substrate retaining board; RB2 — Laminated substrate retaining board; RB3 — Laminated substrate retaining board

Tools / setup: Tape, square, clamps, drill/driver, clearance and pilot bits, countersink and depth stops; helper for turning



Install the substrate retainer · continue

1. From inside, drill clearance through CF and pilots into RB3 for the separate rear-facing 2 in (50.8 mm) screws. Offset these stations 3/8 in (9.53 mm) to the right of the front-facing stations so opposing screws cannot meet. Tighten all screws flush; these low fasteners will be isolated behind the unpunctured liner. Over this 87 19/32 in (2224.88 mm) opening, sight the retainer top with a long straightedge before the posts are bolted; plane nothing, but shim or re-clamp any bow now.

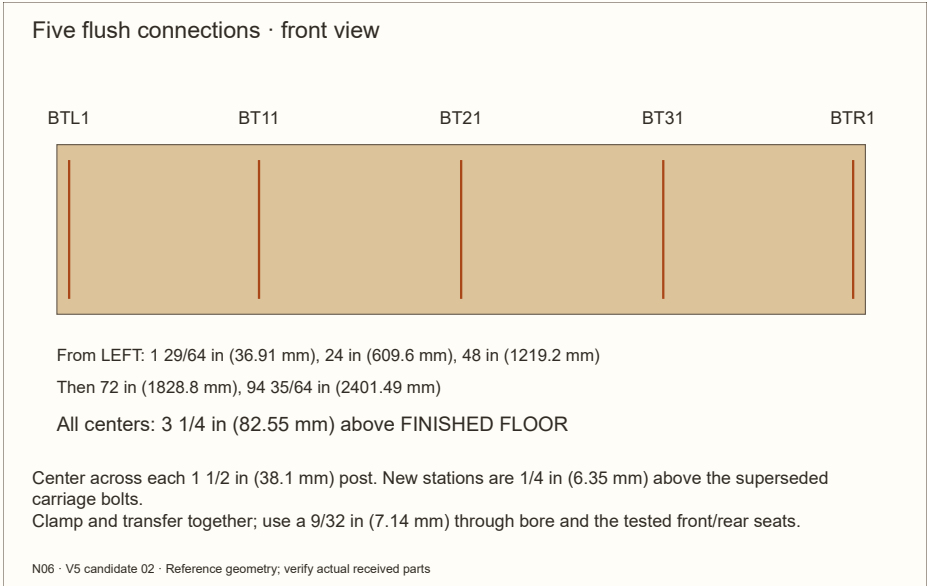
Check before continuing: The retaining top is level, continuous and at the marked reference mark; no screw point projects through its inner face.

OP25 · Position and clamp the five retainer posts

Parts: CFL — Front retainer post; CF1 — Front retainer post; CF2 — Front retainer post; CF3 — Front retainer post; CFR — Front retainer post; BTL1 — Flush retainer machine screw, recessed interior washer and locknut; BT11 — Flush retainer machine screw, recessed interior washer and locknut; BT21 — Flush retainer machine screw, recessed interior washer and locknut; BT31 — Flush retainer machine screw, recessed interior washer and locknut; BTR1 — Flush retainer machine screw, recessed interior washer and locknut

Tools / setup: Tape, square, clamps, supported drill setup, 9/32 in (7.14 mm) clearance bit, 1 in (25.4 mm) flat-bottom cutter and depth stop, matched 82-degree countersink, 5/32 in (3.97 mm) hex key and received 7/16 in (11.11 mm) socket

Before you begin: Bolt and hardware dimensions are receiving checks; never infer structural capacity from bolt count.



Position and clamp the five retainer posts

1. Stand CFL, CF1, CF2, CF3 and CFR behind the retainer with their front faces against the back of the three-layer retaining panel. The end posts bear on the side bottom wood supports; the intermediate posts bear on CF at centres 24 in (609.6 mm), 48 in (1219.2 mm) and 72 in (1828.8 mm) from the left outside face. Each reference post is 4 5/8 in (117.48 mm) long, with its top flush to the retainer. Clamp all five tightly to the retainer.
2. For each end post, transfer the two side screw stations at heights above the finished floor of 2 1/2 in (63.5 mm) and 4 1/2 in (114.3 mm). Drill clearance through the side and stopped pilots into the post, then fit the listed #8 × 1 1/4 in (31.75 mm) screws. Keep the three intermediate posts clamped; their through-bolts provide the front connection.

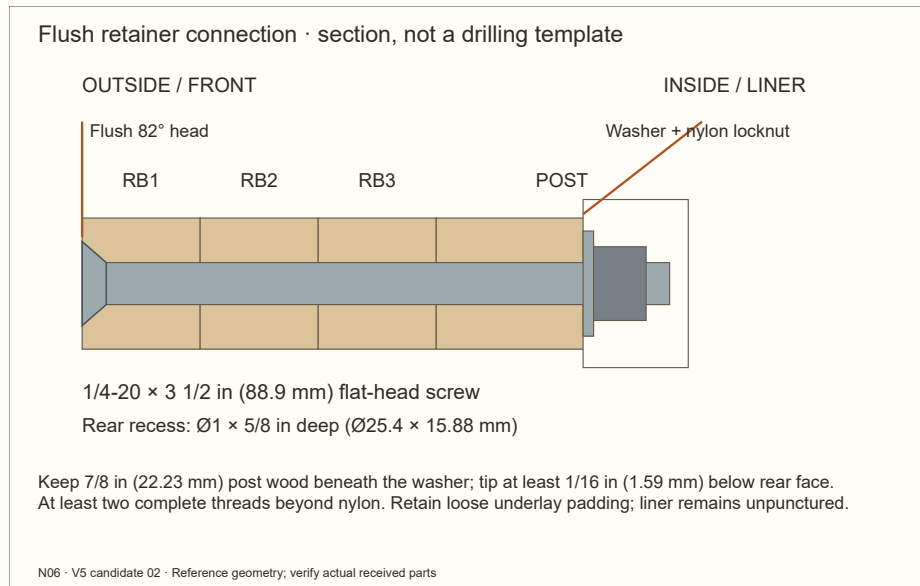
Check before continuing: All five posts sit square and fully bear on their supports; the end posts are secured and the three intermediate posts remain clamped.

OP26 · Trial the flush head and recessed nut

Parts: CFL — Front retainer post; CF1 — Front retainer post; CF2 — Front retainer post; CF3 — Front retainer post; CFR — Front retainer post; BTL1 — Flush retainer machine screw, recessed interior washer and locknut; BT11 — Flush retainer machine screw, recessed interior washer and locknut; BT21 — Flush retainer machine screw, recessed interior washer and locknut; BT31 — Flush retainer machine screw, recessed interior washer and locknut; BTR1 — Flush retainer machine screw, recessed interior washer and locknut

Tools / setup: Tape, square, clamps, supported drill setup, 9/32 in (7.14 mm) clearance bit, 1 in (25.4 mm) flat-bottom cutter and depth stop, matched 82-degree countersink, 5/32 in (3.97 mm) hex key and received 7/16 in (11.11 mm) socket

Before you begin: Bolt and hardware dimensions are receiving checks; never infer structural capacity from bolt count.



Trial the flush head and recessed nut

1. Bench-fit a received Bolt Depot 24910 flat-head 1/4-20 × 3 1/2 in (88.9 mm) screw with washer 16019 and nylon locknut 16008 through three matching plywood layers and one post. Screw length includes the flat head. Use a 5/32 in (3.97 mm) hex key and 82-degree countersink matched to the actual head; make its top flush with bare front wood. The 0.55 in (13.97 mm) veneer service opening keeps the drive accessible.
2. Clamp the post blank on a supported bench and drill a flat-bottom 1 in (25.4 mm)-diameter recess from its REAR, room-facing face. Stop at 5/8 in (15.88 mm) deep; keep at least 7/8 in (22.23 mm) of wood beneath the washer seat. Reference wood grip is 2 63/64 in (75.8 mm). Washer thickness must be at most 1/16 in (1.59 mm); the selected nut is listed as 0.298 in (7.57 mm)–0.328 in (8.33 mm) high. Trial the actual 7/16 in (11.11 mm) socket: outside diameter at most 7/8 in (22.23 mm), with straight access through the recess.

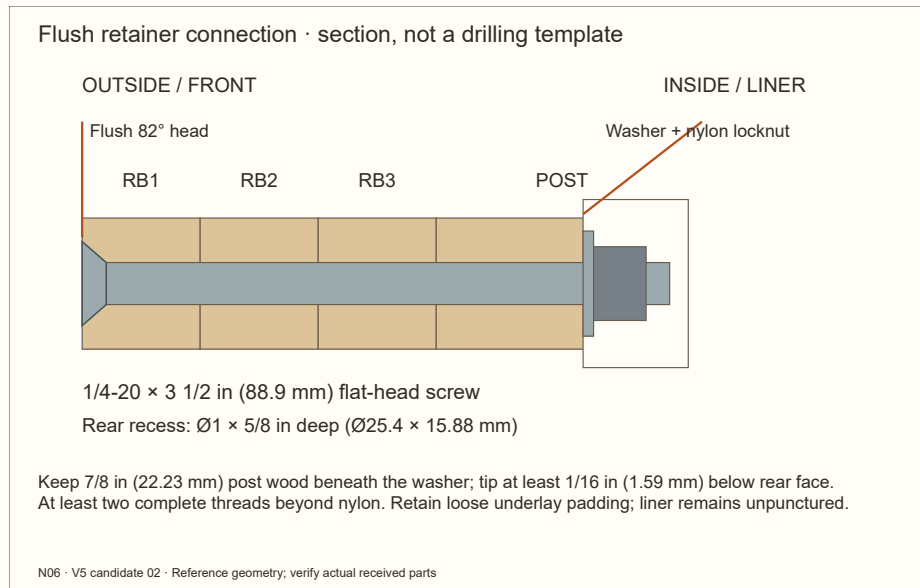
Check before continuing: The received sample accepts the flush head, washer, nut and actual socket without splitting; bearing wood, thread engagement and buried tip meet the stated limits.

OP27 · Drill and fit the flush retainer fasteners

Parts: CFL — Front retainer post; CF1 — Front retainer post; CF2 — Front retainer post; CF3 — Front retainer post; CFR — Front retainer post; BTL1 — Flush retainer machine screw, recessed interior washer and locknut; BT11 — Flush retainer machine screw, recessed interior washer and locknut; BT21 — Flush retainer machine screw, recessed interior washer and locknut; BT31 — Flush retainer machine screw, recessed interior washer and locknut; BTR1 — Flush retainer machine screw, recessed interior washer and locknut

Tools / setup: Tape, square, clamps, supported drill setup, 9/32 in (7.14 mm) clearance bit, 1 in (25.4 mm) flat-bottom cutter and depth stop, matched 82-degree countersink, 5/32 in (3.97 mm) hex key and received 7/16 in (11.11 mm) socket

Before you begin: Bolt and hardware dimensions are receiving checks; never infer structural capacity from bolt count.



Drill and fit the flush retainer fasteners

1. Mark each revised bolt center: centered across the 1 1/2 in (38.1 mm) post and 3 1/4 in (82.55 mm) above the finished floor. This higher station keeps the new nut pocket clear of the side screws. Clamp the panel and post together with a waste backing block; bore the square 9/32 in (7.14 mm) clearance hole. Make the stopped nut recess on the post rear and the matched countersink on the front retaining panel. The two shapes are different: flat-bottom recess for washer/nut, cone-shaped seat for the flat head. Keep all machining and sample checks before finish.
2. Insert the flat-head screw from the OUTSIDE FRONT. Fit the washer and nylon locknut inside the post recess. Hold the hex drive and tighten the nut by hand until the joint closes without crushing wood. Stainless threads can seize; stop at binding, galling, a spinning seat or split wood. Do not use an impact driver or invent a torque setting. At least two complete threads must pass the nylon ring, with the screw tip at least 1/16 in (1.59 mm) below the rear post face. If the received stack fails either check, stop and revise it; do not omit the washer or deepen the recess.

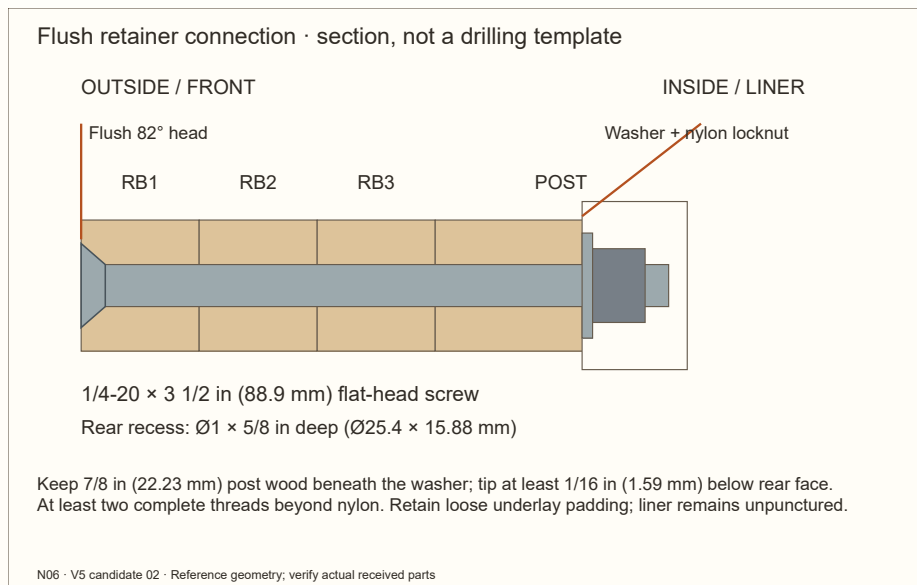
Check before continuing: All five exterior heads are flush to bare wood; nuts and tails stay below the rear post faces; complete thread engagement, intact bearing wood, socket access and padded liner contact pass the actual dry trial.

OP28 · Inspect the flush connection and liner protection

Parts: CFL — Front retainer post; CF1 — Front retainer post; CF2 — Front retainer post; CF3 — Front retainer post; CFR — Front retainer post; BTL1 — Flush retainer machine screw, recessed interior washer and locknut; BT11 — Flush retainer machine screw, recessed interior washer and locknut; BT21 — Flush retainer machine screw, recessed interior washer and locknut; BT31 — Flush retainer machine screw, recessed interior washer and locknut; BTR1 — Flush retainer machine screw, recessed interior washer and locknut

Tools / setup: Tape, square, clamps, supported drill setup, 9/32 in (7.14 mm) clearance bit, 1 in (25.4 mm) flat-bottom cutter and depth stop, matched 82-degree countersink, 5/32 in (3.97 mm) hex key and received 7/16 in (11.11 mm) socket

Before you begin: Bolt and hardware dimensions are receiving checks; never infer structural capacity from bolt count.



Inspect the flush connection and liner protection

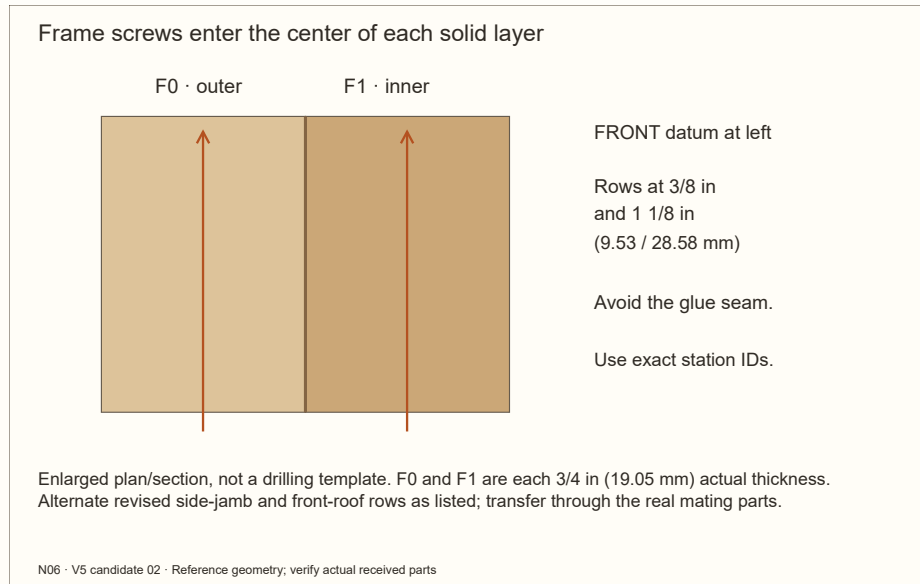
1. Inspect the front with a straightedge: no raised heads, washers, nuts or tails. Inspect the rear recess for burrs and check the full nut/socket access before lining. Keep the existing second loose underlay pad over each recessed connection; no bolt passes through the membrane. Recheck square and retainer straightness. Empty the bed and remove liner/clamps to reach the interior nuts for exceptional retainer service; ordinary cleaning leaves the retainer fixed.

Check before continuing: All five exterior heads are flush to bare wood; nuts and tails stay below the rear post faces; complete thread engagement, intact bearing wood, socket access and padded liner contact pass the actual dry trial.

OP29 · Transfer the revised frame and roof screw rows

Parts: F0/F1 front frame layers; P03 side walls; P02 roof

Tools / setup: Tape, square, clamps, drill/driver, clearance and pilot bits, countersink and depth stops; helper for turning



Transfer the revised frame and roof screw rows

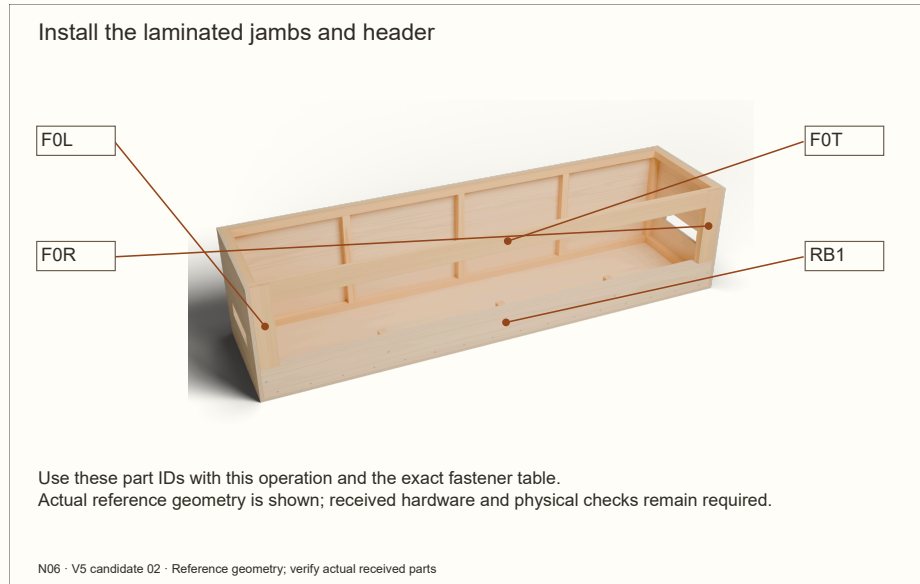
1. The side-to-jamb screws and front roof screws must enter solid wood, not run down the seam between frame layers F0 and F1. The revised stations alternate 3/8 in (9.53 mm) and 1 1/8 in (28.58 mm) behind the outside FRONT datum. These are the centers of the two actual 3/4 in (19.05 mm) layers.
2. Use the exact IDs and coordinates in the drilling reference. Mark the entry face, clamp the real mating layers, then make a clearance hole in the first part and a stopped pilot in the named receiver. Do not reuse the old seam-centered holes.
3. Trial the driver with the dry shell assembled. Correct access before finishing; preserve every removable roof screw and its veneer service opening.

Check before continuing: Every affected pilot enters the named solid layer and remains clear of other screws and the glass hardware.

OP30 · Install the laminated jambs and header

Parts: F0L — L jamb layer; F1L — L jamb layer; F0R — R jamb layer; F1R — R jamb layer; F0T — Header layer; F1T — Header layer

Tools / setup: Tape, square, clamps, drill/driver, clearance and pilot bits, countersink and depth stops; helper for turning



Install the laminated jambs and header

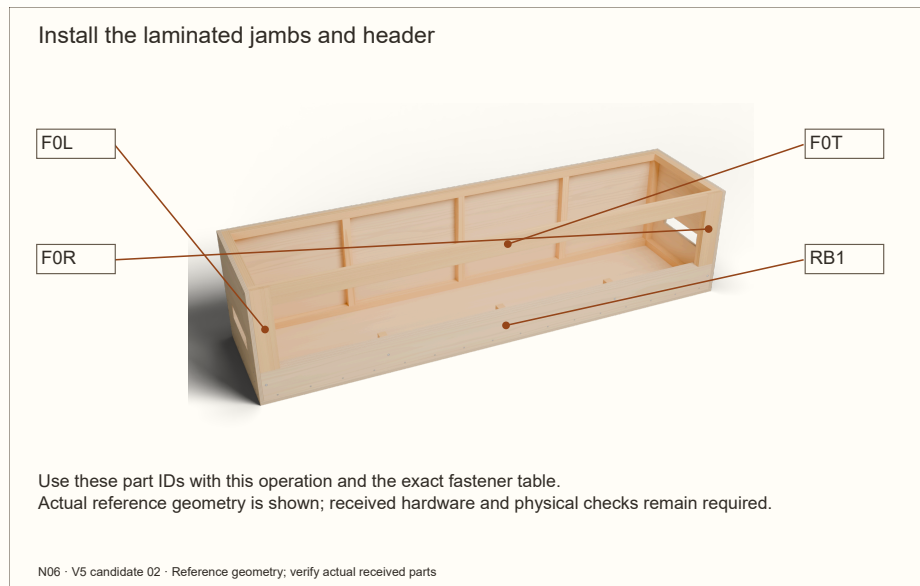
1. Set the laminated front frame on the retaining top. Align its front face with the retainer and sides. Both jambs must bear fully on the retainer; do not suspend them on screws.
2. Clamp the frame square. Drill #8 clearance through the side panels into stopped pilots in the jamb ends at the scheduled heights. Fit #8 × 2 in (50.8 mm) screws.
3. Measure the clear frame width at the top, middle and bottom, and clear height at three positions. The exact reference opening is 87 19/32 in (2224.88 mm) wide × 12 31/32 in (329.41 mm) high. Record the smallest actual values and both diagonals before any track or glass sizing.

Check before continuing: The opening is square within 1/16 in (1.59 mm) and its upper/lower track faces are straight and parallel.

OP31 · Install the laminated jambs and header · continue

Parts: F0L — L jamb layer; F1L — L jamb layer; F0R — R jamb layer; F1R — R jamb layer; F0T — Header layer; F1T — Header layer

Tools / setup: Tape, square, clamps, drill/driver, clearance and pilot bits, countersink and depth stops; helper for turning



Install the laminated jambs and header · continue

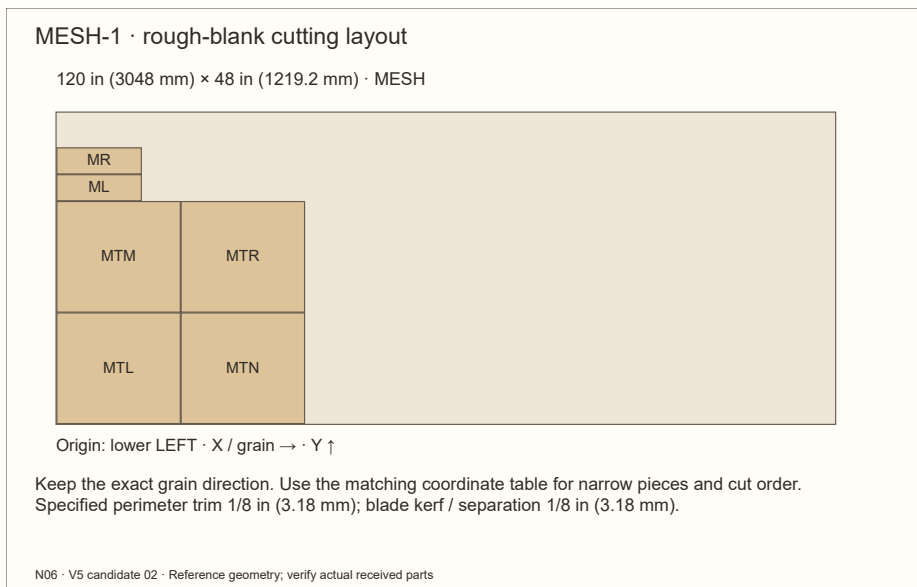
1. Lay a straightedge beneath the header and over the retainer. Correct any bow now. The detachable roof will later screw into the header and wood supports, further closing the box.

Check before continuing: The opening is square within 1/16 in (1.59 mm) and its upper/lower track faces are straight and parallel.

OP32 · Cut and deburr the six mesh panels

Parts: ML — L ventilation mesh; MR — R ventilation mesh; MTL — Roof mesh; MTM — Roof mesh; MTN — Roof mesh; MTR — Roof mesh

Tools / setup: Tape, marker, wire snips, file, cut-edge protection and eye protection



Cut and deburr the six mesh panels

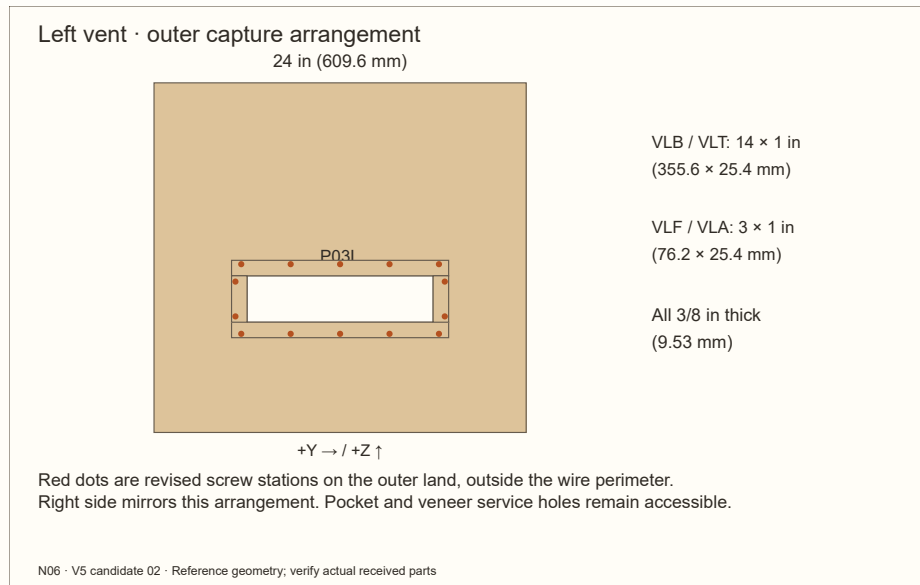
1. Cut four roof pieces 19 in (482.6 mm) × 17 in (431.8 mm), and two side pieces 13 in (330.2 mm) × 4 in (101.6 mm), from the hardware-cloth roll. Wear eye protection and cut-resistant gloves while handling the cut edges.
2. Remove projecting wire ends and burrs. Keep a minimum 1/2 in (12.7 mm) mesh margin beyond each opening, fully under the capture strips. Do not leave a sharp wire end exposed to the room.
3. Check the mesh opening against the future occupant and feeder plan. This 1/2 in (12.7 mm) construction mesh will require a securely retained finer barrier for many occupants; do not treat it as universal animal containment.
4. Label the four roof pieces and two side pieces. Store them flat until their capture strips are ready.

Check before continuing: All edges are smooth and will be enclosed; none of the six pieces is stretched, rusted or damaged.

OP33 · Dry-fit the side screen captures

Parts: ML — L ventilation mesh; MR — R ventilation mesh; VLB — Vent capture strip; VLT — Vent capture strip; VLF — Vent end strip; VLA — Vent end strip; VRB — Vent capture strip; VRT — Vent capture strip; VRF — Vent end strip; VRA — Vent end strip

Tools / setup: Tape, square, clamps, drill/driver, clearance and pilot bits, countersink and depth stops; helper for turning



Dry-fit the side screen captures

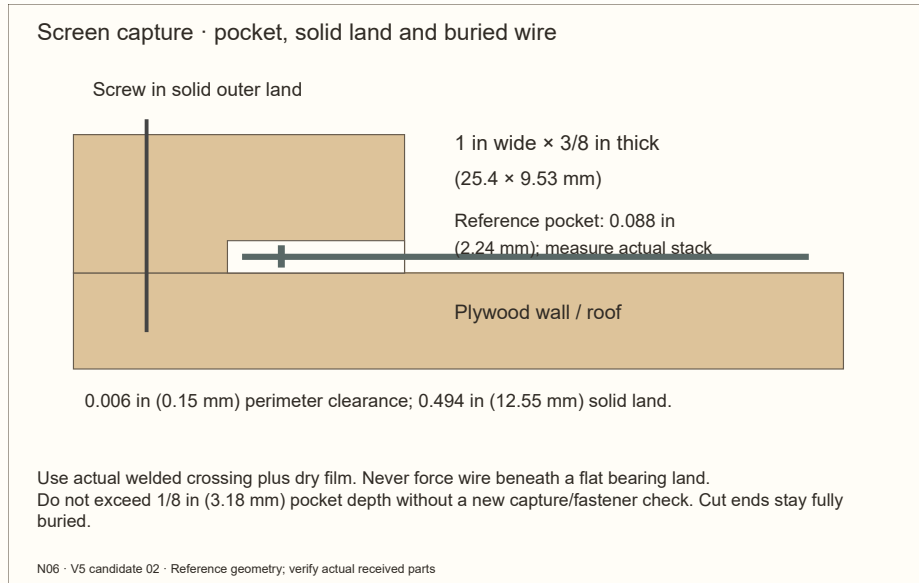
1. On the outside of each wall, center the wire over the opening. Use the revised 1 in (25.4 mm)-wide capture strips. Their wall-facing shallow edge recess houses the actual welded-wire crossing and coating stack; the outer 0.494 in (12.55 mm) reference land (nominal 1/2 in (12.7 mm) less the 0.006 in (0.15 mm) perimeter relief) stays solid and flat against the wall. No wire may lie under that flat land.
2. Clamp each strip on its solid land, without bowing wire. Use the revised capture-hole rows, which lie on solid wood outside the mesh perimeter. Transfer through the strip into the wall with separate clearance and stopped pilot depths. Never drill through a wire or force a screw to push wire aside.

Check before continuing: There is no accessible cut wire or loose mesh edge; the opening remains above the fill line.

OP34 · Seat capture screws and inspect both faces

Parts: ML — L ventilation mesh; MR — R ventilation mesh; VLB — Vent capture strip; VLT — Vent capture strip; VLF — Vent end strip; VLA — Vent end strip; VRB — Vent capture strip; VRT — Vent capture strip; VRF — Vent end strip; VRA — Vent end strip

Tools / setup: Tape, square, clamps, drill/driver, clearance and pilot bits, countersink and depth stops; helper for turning



Seat capture screws and inspect both faces

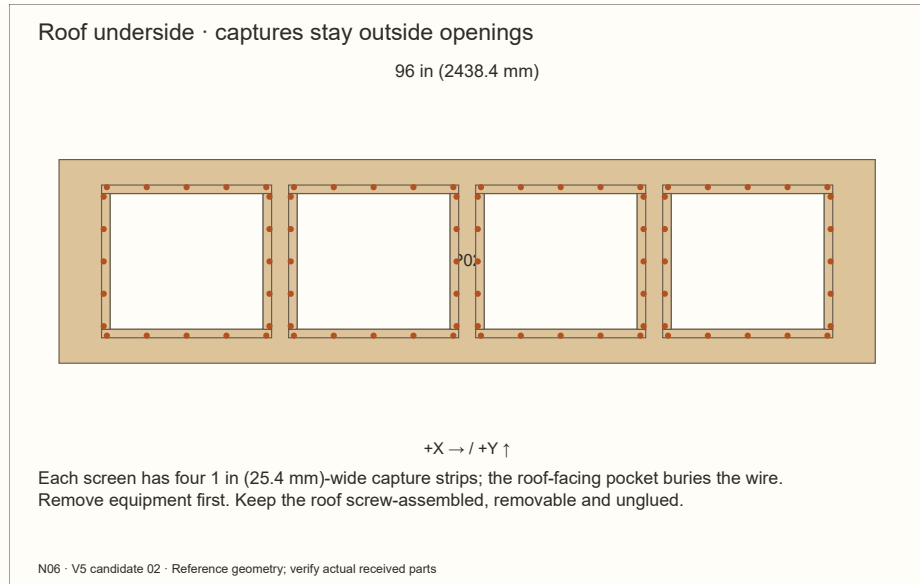
1. Drive the #6 × 1 in (25.4 mm) screws until the strips hold the mesh firmly. With 3/8 in (9.53 mm) captures and the reference plywood, the points must stay buried; verify from inside after every group.
2. Run a cloth along the entire interior reveal and gently press the mesh perimeter. Fix any snag or loose edge. Remove the assemblies again during the finishing step, preserving the labels.

Check before continuing: There is no accessible cut wire or loose mesh edge; the opening remains above the fill line.

OP35 · Fit roof ribs and recessed screen retainers

Parts: P02 roof; CR1/CR2/CR3 ribs; four M roof screens; sixteen RT capture strips.

Tools / setup: Tape, square, clamps, drill/driver, clearance and pilot bits, countersink and depth stops; helper for turning



Fit roof ribs and recessed screen retainers

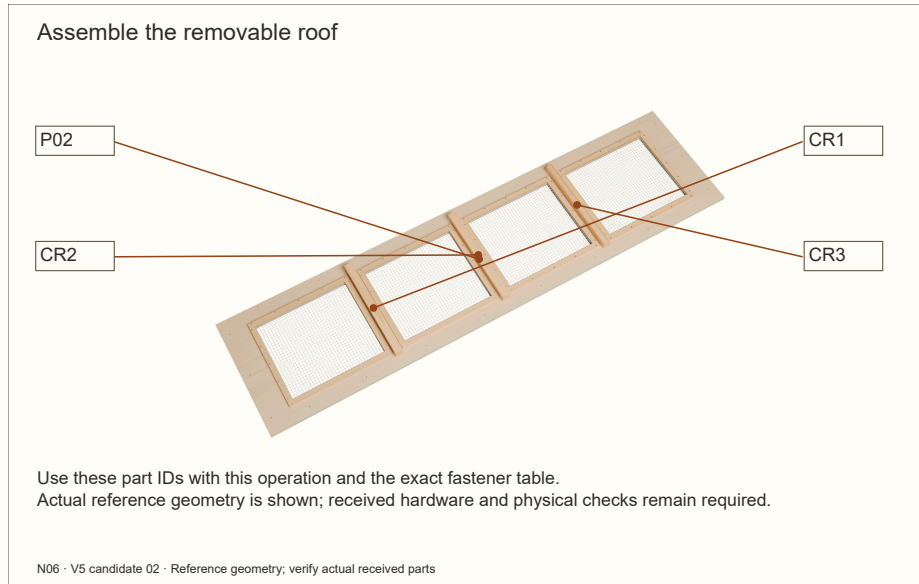
1. Place the roof underside up on padded supports. Fit CR1, CR2 and CR3 between the front frame position and rear upper wood support, with centres 26 in (660.4 mm), 48 in (1219.2 mm) and 70 in (1778 mm) from the left outside edge. All three ribs lie beneath the solid webs between openings. Transfer their top-down #8 screw stations through the roof into each rib.
2. Center the four mesh pieces in their matching roof-facing capture recesses. Clamp the strips flat on their outer lands, then use the revised roof-capture stations. Each #6 × 1 in (25.4 mm) screw enters solid plywood outside the cut opening. Check point cover before proceeding.

Check before continuing: The roof sits flat, its wire edges are enclosed and it can lift off without catching the frame.

OP36 · Turn, seat and predrill the removable roof

Parts: P02 roof; CR1/CR2/CR3 ribs; four M roof screens; sixteen RT capture strips.

Tools / setup: Tape, square, clamps, drill/driver, clearance and pilot bits, countersink and depth stops; helper for turning



Turn, seat and predrill the removable roof

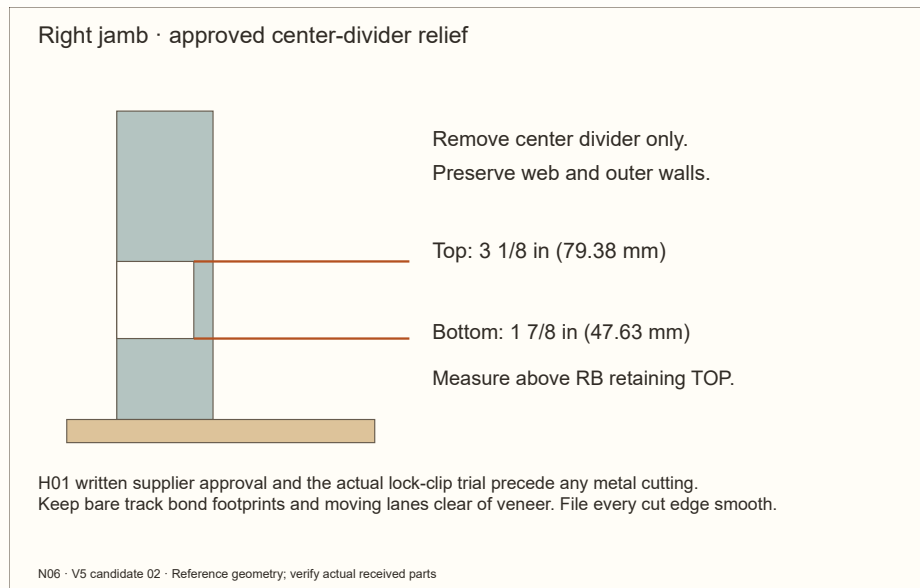
1. Turn the roof with a helper and check every point remains beneath the outer face. All three ribs sit between the openings and end against the rear wood support; the vent borders stay fully supported.
2. Dry-seat the roof on the shell and transfer the final roof screw holes. Leave them unfastened until the later access work is complete. The roof and mesh are not shelves; heat and light fixtures require separately supported, specifically qualified equipment.

Check before continuing: The roof sits flat, its wire edges are enclosed and it can lift off without catching the frame.

OP37 · Trial the matched tracks and approved jamb relief

Parts: TRACK-B — KV999 Roll-Ezy lower track; TRACK-T — KV993 Roll-Ezy upper channel; JAMBL — KV993 vertical jamb receiver; JAMBR — KV993 vertical jamb receiver; STOPLF — Bond-retained neoprene jamb cushion; STOPLB — Bond-retained neoprene jamb cushion; STOPRF — Bond-retained neoprene jamb cushion; STOPRB — Bond-retained neoprene jamb cushion

Tools / setup: Caliper, square, clamps, hacksaw, metal file and disposable panel gauge



Trial the matched tracks and approved jamb relief

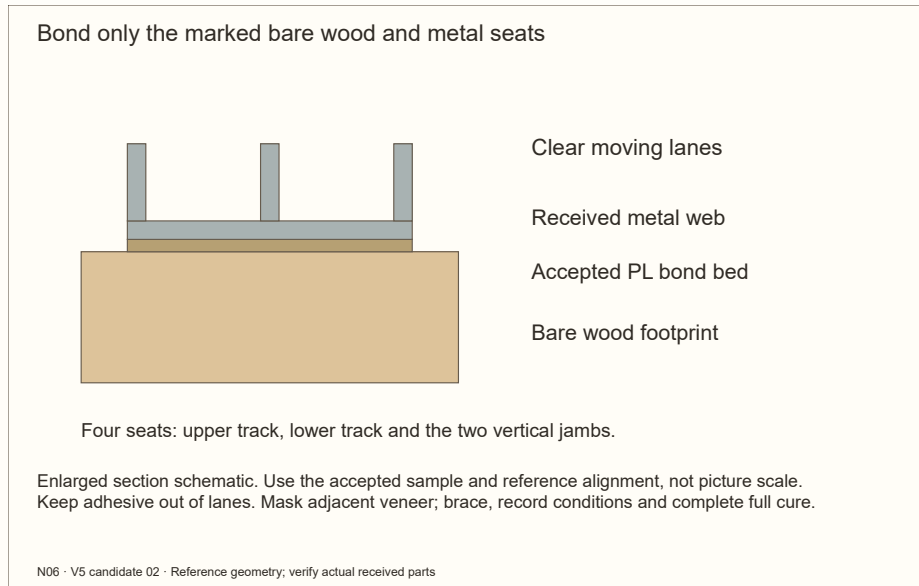
1. STOP until KV accepts the exact wide-pane component combination and the right-jamb alteration. Then dry-fit the KV993 upper channel and two jambs, KV999 lower track, two KV995 shoes and two KV997 carriers. Exact horizontal reference length is 87 11/32 in (2218.53 mm); reference jamb length is 11 9/32 in (286.54 mm). Square-cut and deburr while retaining every required ball. Only after supplier approval, relieve the right jamb central divider from 1 7/8 in (47.63 mm) to 3 1/8 in (79.38 mm) above the retainer top. Preserve the web and outside walls; trial the actual CRL clip before final metal cutting.
2. Align the upper and lower running lanes using the matched hardware sample. Centre the assembly in the 1 1/2 in (38.1 mm) frame depth. Use the actual lane centres rather than the outside edges of the different profiles. Keep both tracks straight, parallel and directly above one another; check with a long straightedge and taut string.

Check before continuing: The trial rolls freely; bare track bond seats and four cushion bond areas are marked. No cushion screw holes are drilled.

OP38 · Mark bare bond seats and trial cushions

Parts: TRACK-B — KV999 Roll-Ezy lower track; TRACK-T — KV993 Roll-Ezy upper channel; JAMBL — KV993 vertical jamb receiver; JAMBR — KV993 vertical jamb receiver; STOPLF — Bond-retained neoprene jamb cushion; STOPLB — Bond-retained neoprene jamb cushion; STOPRF — Bond-retained neoprene jamb cushion; STOPRB — Bond-retained neoprene jamb cushion

Tools / setup: Caliper, square, clamps, hacksaw, metal file and disposable panel gauge



Mark bare bond seats and trial cushions

1. Allow a nominal 1/32 in (0.79 mm) bond bed beneath each horizontal track and behind each jamb receiver. Mark the actual contact footprints on the wood and mask them before finishing. Do not drill the rolling anvils or add the previous track-mounting screws. KV permits adhesive installation; follow “Reassemble and bond the accepted track system”.
2. Dry-fit four 11 9/32 in (286.54 mm) × 0.28 in (7.11 mm) × 1/16 in (1.59 mm) neoprene strips along the vertical jamb webs, between the horizontal tracks. No cushion screw or end tab is used. The former screws conflicted with the tracks and tool access. Trial the accepted contact bond on offcuts and measure its cured film before dependent sizing. Temporarily clamp the tracks and prove both door paths with the panel gauge.

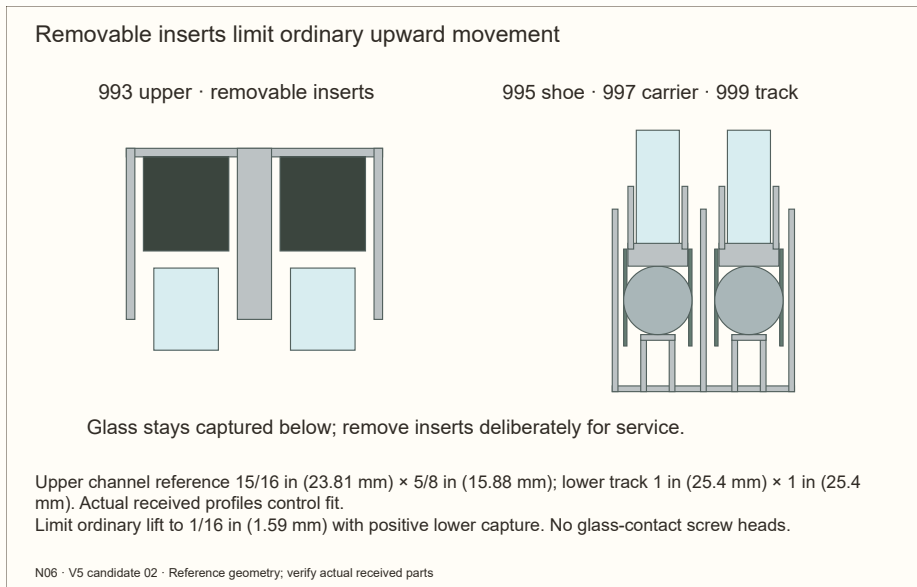
Check before continuing: The trial rolls freely; bare track bond seats and four cushion bond areas are marked. No cushion screw holes are drilled.

OP39 · Predrill anti-lift and final hardware holes

Parts: Upper track, eight HDPE inserts, four cushions, lock and disposable glass gauge

Tools / setup: Drill/driver, separate metal-clearance and wood-pilot bits, depth stops, caliper, sample panel and labeled hardware

Before you begin: A locked door can still escape its track if anti-lift capture is wrong.



Predrill anti-lift and final hardware holes

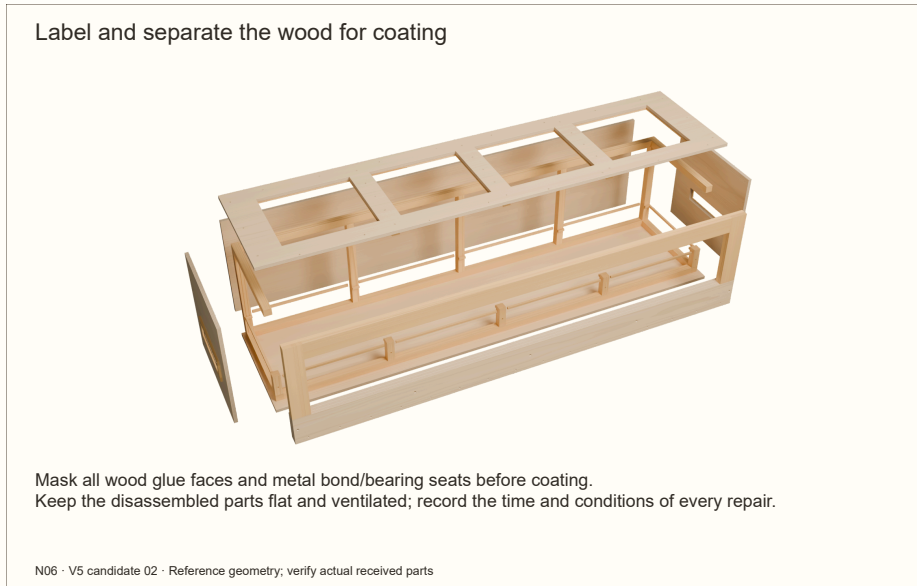
1. With the sample panel supported in the received tracks, fit all eight removable anti-lift inserts. Transfer every #4 screw station now, while the wood is dry and unfinished. Also trial all twenty liner clamps and their stopped #6 pilots above the fill line. Use separate metal clearance and wood-pilot operations; never drill the running anvils.
2. Trial the CRL lock and both pull locations, with the lock body removed for sliding. Prove every door position, positive lower capture, no more than 1/16 in (1.59 mm) upward play and supported lift-out after the inserts are deliberately removed.
3. Label each insert, cushion, screw and position; record hole depths and keep those parts together. Remove them for coating. If any final fit later needs fresh wood cuts, stop, reseal and restart full cure before glazing.

Check before continuing: Every hardware hole and service path is rehearsed before any veneer or finish.

OP40 · Disassemble, sand and retain the labels

Parts: Use the labeled parts in the picture and the matching cut schedule

Tools / setup: Labels, hand tools for disassembly, sanding block, vacuum, masking and prescribed dust protection



Disassemble, sand and retain the labels

1. Photograph the labelled dry fit, then remove the tracks, mesh captures, roof, walls, frame, retainer, loose posts and five bolt stacks. Preserve the head recesses and bore edges for coating. Keep the permanently bonded floor/wood support assembly and laminated frame/retainer intact.
2. Sand from 120 to 220 grit along the grain. Ease all liner-contact edges; vacuum dust and wipe with a clean lint-free cloth. Fill no structural defect with finish; replace damaged material.

Check before continuing: Wood is clean and dry, the liner path is smooth and all fittings are labelled for reinstatement.

OP41 · Mask glue and metal seats; measure finish coverage

Parts: Use the labeled parts in the picture and the matching cut schedule

Tools / setup: Labels, hand tools for disassembly, sanding block, vacuum, masking and prescribed dust protection

Keep hardware seats and service joints accessible



Veneer covers exposed wood, roof, edges and reveals. Separate pieces stop at removable seams. Screw heads, bolt washers, sockets and metal bond/bearing seats stay on their original bare datums.

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Mask glue and metal seats; measure finish coverage

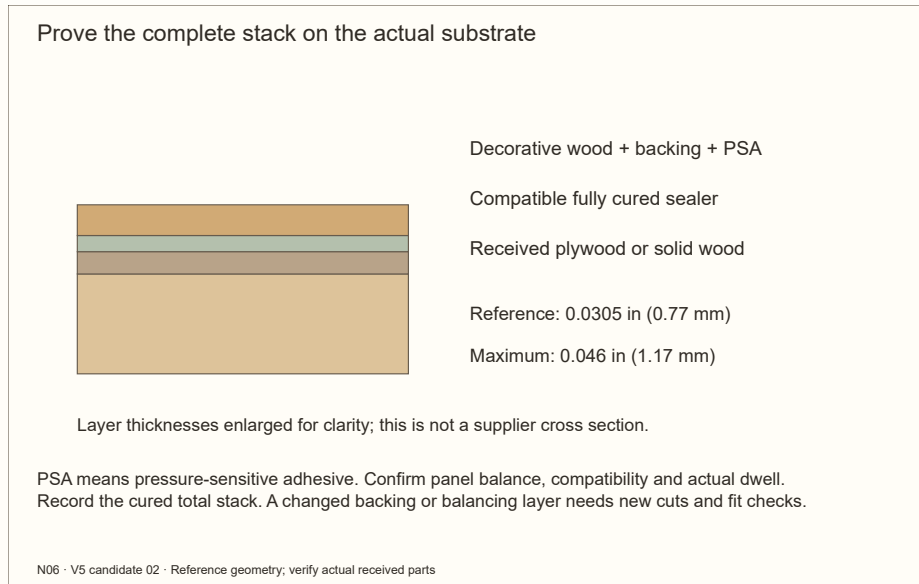
1. Keep glass, carriers, mesh and liner out of the finishing area. Mask every marked track-bond footprint to preserve clean bare wood. Keep the permanently glued assemblies intact; photograph the labelled dry fit.
2. The revised conservative coating allowance is 297.52 square feet (27.64 square metres), including substrate preseal, veneer topcoat, trials and contingency. At 50 square feet per quart, buy 6 quart cans as three two-can packs. Extra coats, changed backing or balance layers require a new calculation.

Check before continuing: Wood is clean and dry, the liner path is smooth and all fittings are labelled for reinstatement.

OP42 · Preseal the veneer substrates and prove the bond

Parts: Dedicated trial board, accepted veneer and sealer

Tools / setup: Tape, square and labels; clamps and wipe cloth, sharp knife, straightedge and firm scraper, compatible applicator and prescribed protection



Preseal the veneer substrates and prove the bond

1. Keep all wood-glue joints, metal bearing seats and track bond footprints masked. Seal the outside veneer substrates with the accepted sealer. Oakwood's PSA guide requires at least 24 hours drying before its 120-grit scuff preparation; also meet the selected sealer's longer full-cure and compatibility requirements.
2. For this reference Varathane system, reserve the full seven-day cure at 70°F (21°C) and 50% relative humidity before scuffing and the supplier-approved PSA trial. Follow the current can's temperature and ventilation directions. Vacuum and wipe away dust; do not leave grit beneath the veneer.
3. Make the trial with the same wood, coating, veneer and application pressure. Record the complete cured stack and confirmed adhesive dwell. It must be no more than 0.046 in (1.17 mm) at any covered surface. Supplier balance and environment approval remain mandatory.

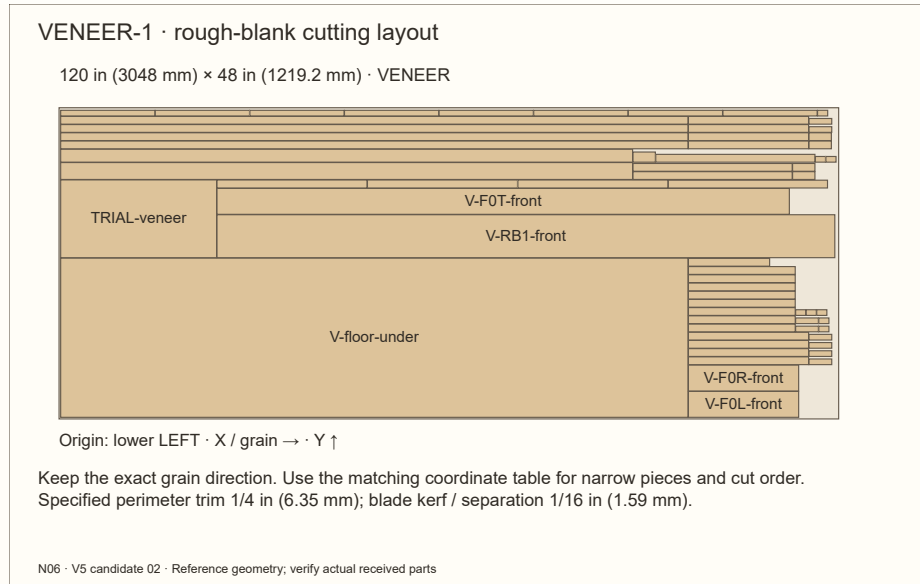
Check before continuing: The cured bond sample is accepted and complete stack is recorded before final skins are cut.

Required wait: Seven-day reference sealer cure under stated conditions; longer if directed. Then the actual supplier-confirmed PSA dwell. Do not substitute dry-touch time.

OP43 · Cut the veneer blanks with the grain plan

Parts: All V- veneer pieces and the selected species sheets

Tools / setup: Tape, square and labels; supported cutting tool suited to this material, sharp knife, straightedge and firm scraper



Cut the veneer blanks with the grain plan

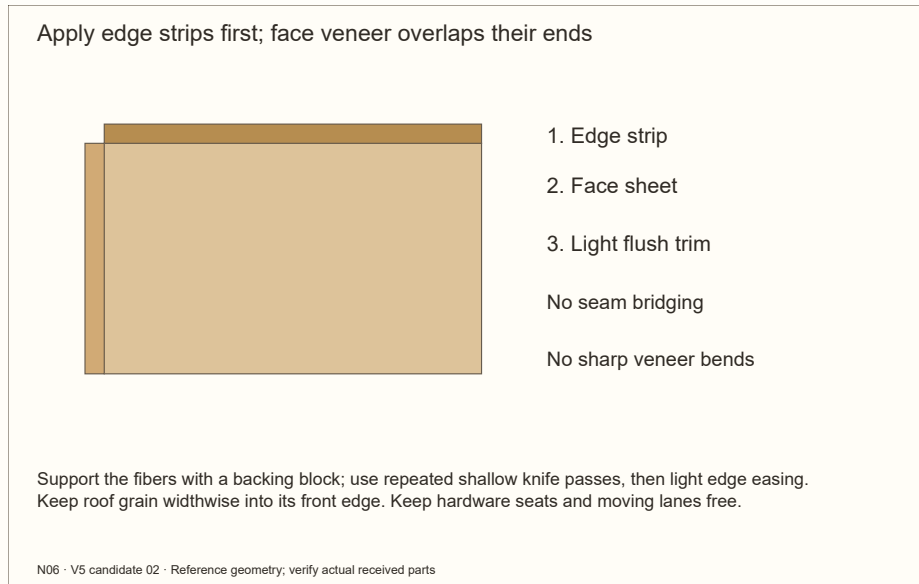
1. Choose one species and follow its four 120 in (3048 mm) × 48 in (1219.2 mm) sheet layouts. Cut each labeled rough blank on a sacrificial board with a straightedge and several shallow knife passes. The plan reserves 1/4 in (6.35 mm) sheet-edge trim, 1/16 in (1.59 mm) separation and 1/2 in (12.7 mm) extra in each blank dimension.
2. Mark roof and floor grain across the 96 in (2438.4 mm) width. Keep side grain upright, front uprights vertical and rails widthwise. Match each roof front/back edge strip to the adjacent face. Do not rotate a long blank simply to make it fit.
3. Keep each removable panel separate. Mask actual fastener heads, washers, sockets and metal seats as shown. Veneer cannot cover a service screw or bridge a removable joint.

Check before continuing: Every piece has its parent ID and grain arrow; masks and service seams remain identifiable.

OP44 · Cover exposed edges and opening reveals first

Parts: V- edge and reveal pieces

Tools / setup: Tape, square and labels; supported cutting tool suited to this material, helper and padded glass supports, sharp knife, straightedge and firm scraper



Cover exposed edges and opening reveals first

1. Apply the labeled edge strips to the floor, roof, panel ends, vent reveals and external capture-strip edges. Peel only enough liner to align the piece, then work along it with the supplier-specified firm scraper pressure.
2. Trim with repeated shallow cuts backed by a sacrificial surface. Support the thin wood fibers; finish with only the light edge easing allowed by the veneer supplier. Do not round the joint datums or sand through the thin decorative face.
3. At the sliding opening, retain the original bare track/bond footprints. Trim the neighboring strips outside the actual swept glass, shoe, carrier and lock path, with at least 1/16 in (1.59 mm) lateral clearance. Metal bearing planes must remain on the original core, not on veneer.

Check before continuing: Edges are covered in the chosen species; moving lanes, metal seats, screw heads and removable joints stay accessible.

OP45 · Apply the matching exterior face veneers

Parts: All V- exterior face pieces

Tools / setup: Tape, square and labels; sharp knife, straightedge and firm scraper, compatible applicator and prescribed protection



Apply the matching exterior face veneers

1. Apply each large face to its own panel with the accepted sample method. Use a helper for the eight-foot roof and floor. Work from the center outward along the grain with the specified firm scraper; a light roller alone does not satisfy the Oakwood instructions.
2. Cover the roof, underside, walls, front frame, retainer and exposed faces of the side screen retainers. Follow the masks around metal seats and fasteners. Trim face veneers flush to the previously covered edges, keeping the roof grain visually continuous into its front and rear edge strips.
3. Leave all seams at removable panel joints open. Inspect for raised edges, bubbles, cracks and trapped debris. Record the application time and complete the actual confirmed adhesive dwell before trimming repairs or topcoating.

Check before continuing: All exterior wood and visible edges match; no layer hides a fastener or covers a required metal seat.

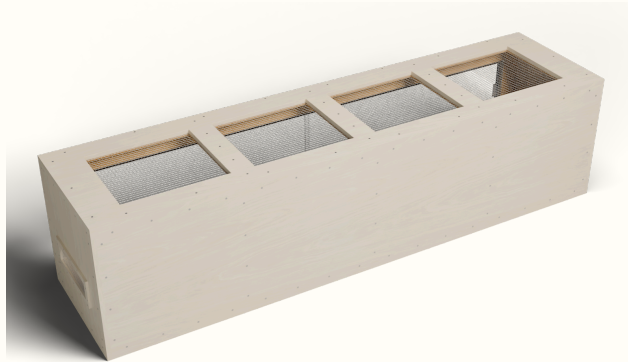
Required wait: Supplier-confirmed PSA dwell from the accepted sample and written instructions; the value remains a receiving input.

OP46 · Topcoat the veneer and remaining exposed wood

Parts: Use the labeled parts in the picture and the matching cut schedule

Tools / setup: Compatible coating applicator, masking, padded drying supports and prescribed protection

Topcoat and complete the full cure



Seven-day reference full cure at 70°F (21°C) and 50% relative humidity; adverse conditions take longer. Dry to touch and light use are earlier stages; neither authorizes lining or animal use.

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Topcoat the veneer and remaining exposed wood

1. Check the can is Varathane Triple Thick clear satin water-based polyurethane, manufacturer 284473. The selected Lowe's pack contains two quart cans. Stir; do not shake. Follow the received label and use a quality synthetic-bristle brush.
2. Apply one uniform coat to the exposed wood faces, all edges and opening reveals. The manufacturer's application range is 60–90°F (16–32°C) below 85% relative humidity (RH). Ventilate the work area and use the label's protective equipment.

Check before continuing: The selected compatible coat covers the intended faces, edges and reveals; leave the parts supported and ventilated for full cure.

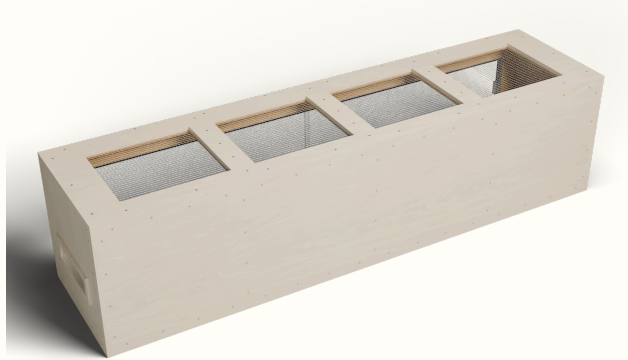
Required wait: Begin the full-cure record in the next operation.

OP47 · Record full cure and inspect the finish

Parts: Use the labeled parts in the picture and the matching cut schedule

Tools / setup: Compatible coating applicator, masking, padded drying supports and prescribed protection

Topcoat and complete the full cure



Seven-day reference full cure at 70°F (21°C) and 50% relative humidity; adverse conditions take longer. Dry to touch and light use are earlier stages; neither authorizes lining or animal use.

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Record full cure and inspect the finish

1. Record the time and conditions of the final applied coat. Full cure is seven days at 70°F (21°C) and 50% relative humidity (RH) with ventilation; adverse conditions need longer under the manufacturer's directions. Two-hour recoat and 48-hour light-use times are not full cure.
2. If repair coverage is needed, follow the 220-grit intercoat preparation and recoat instructions; add its coat area to the quantity record and restart the final-coat cure clock. Inspect the dry film for missed end grain, runs, tackiness and damage.
3. This coating protects an ordinary indoor wood shell. The separate liner takes the damp bed; do not rely on polyurethane or wood glue as an immersed joint seal.

Check before continuing: The recorded full-cure period has passed under suitable conditions and every coated surface is intact.

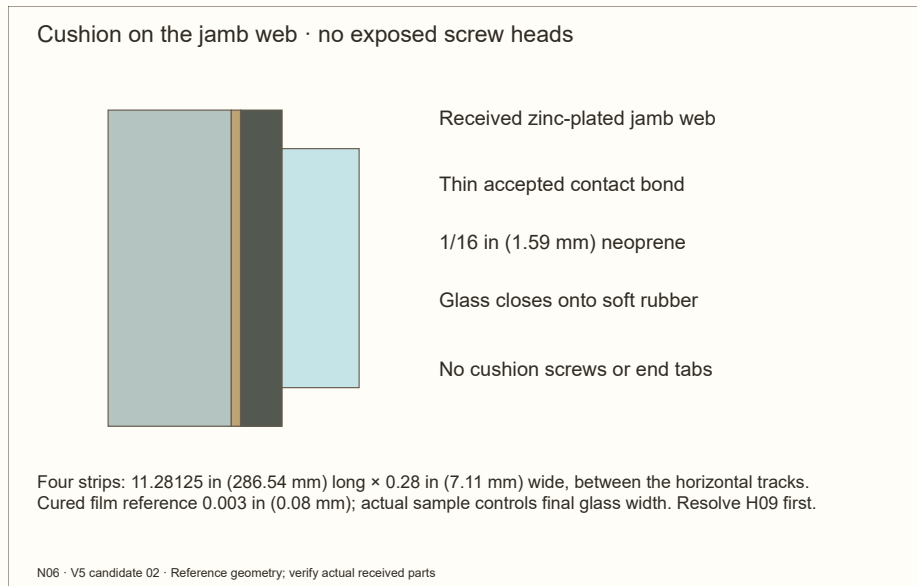
Required wait: Full cure: seven days at 70°F (21°C), 50% relative humidity (RH); longer when required

OP48 · Bond the four accepted jamb cushions

Parts: STOPLF/STOPLB/STOPRF/STOPRB; accepted DAP 00271; received vertical jambs

Tools / setup: Small brush, masking, nonmetal pressing tool with supported jamb, caliper and prescribed protection

Before you begin: Do not install the eight former cushion screws. Obtain product and substrate acceptance before bonding.



Bond the four accepted jamb cushions

1. After H09 acceptance, work with the jambs on a supported bench before their final installation. Follow the current DAP label and safety sheet; ventilate, remove ignition sources, protect eyes and skin, and isolate the liner, glass and finished wood from solvent.
2. Keep materials above 65°F (18°C) for 24 hours before and after application. Prepare clean, dry mating faces as accepted in the sample. Brush a uniform film on both surfaces; wait about 15–20 minutes until tacky, then align once and press evenly at 25 pounds per square inch (172 kPa). Do not shift a bonded strip.
3. Reserve seven days for maximum strength before glass measurements and use. Confirm no loose edges or hard beads. Record actual cured film thickness; 0.003 in (0.08 mm) is only the digital reference. These strips cushion gentle closing; they are not structural door stops.

Check before continuing: Both lanes have continuous soft contact and the cured sample and full bond pass H09.

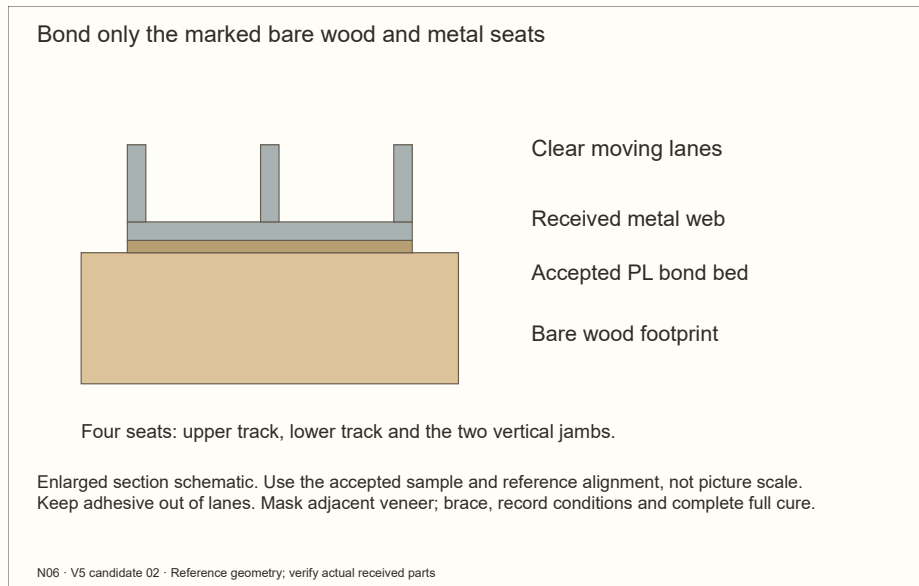
Required wait: Seven days before final glass sizing or operation; follow longer requirements on the actual label.

OP49 · Reassemble and bond the accepted track system

Parts: Use the labeled parts in the picture and the matching cut schedule

Tools / setup: Caliper, tape, square, cartridge gun, clamps, masking and field-order worksheet

Before you begin: Reference glass dimensions are not a blind ordering instruction.



Reassemble and bond the accepted track system

1. Reassemble the cured shell, posts, five bolt sets and front frame. Confirm support, diagonals and straightness. Remove the bond-footprint masking. The wood must be bare and clean; clean grease and contamination from the steel contact faces. Repeat the matched hardware and cured bond-sample checks before bonding.
2. Use PL Premium 1390595 on the four marked backing footprints. Keep adhesive clear of rolling channels, glass and cushions. Assemble promptly within 15 minutes and brace straight for at least 24 hours. Reserve 48 hours at 78°F (26°C) and 50% relative humidity (RH) before loading; colder or drier conditions need longer. Follow the technical sheet and label, including ventilation, gloves and eye protection. Bond only each track to its own wood member; do not bridge the removable wood joints.

Check before continuing: The frame is square, the tracks stay aligned and both bonds are fully cured before the field glass measurements.

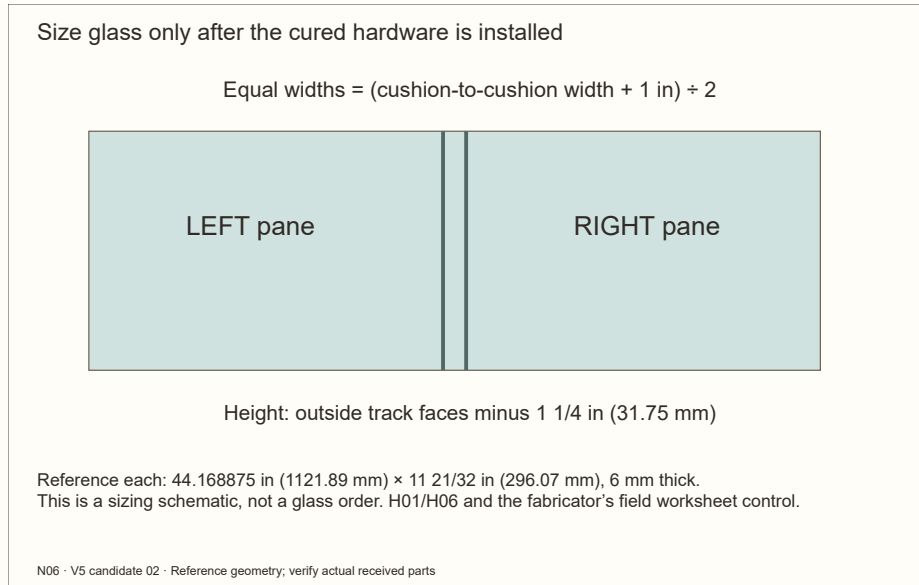
Required wait: Brace at least 24 hours. Reserve the stated 48-hour PL Premium cure at 78°F (26°C) and 50% relative humidity; follow longer requirements for the actual conditions and current label.

OP50 · Measure and release the glass order

Parts: Use the labeled parts in the picture and the matching cut schedule

Tools / setup: Caliper, tape, square, cartridge gun, clamps, masking and field-order worksheet

Before you begin: Do not order from the reference dimensions. Manufacturer acceptance and a glass-fabricator review are required.



Measure and release the glass order

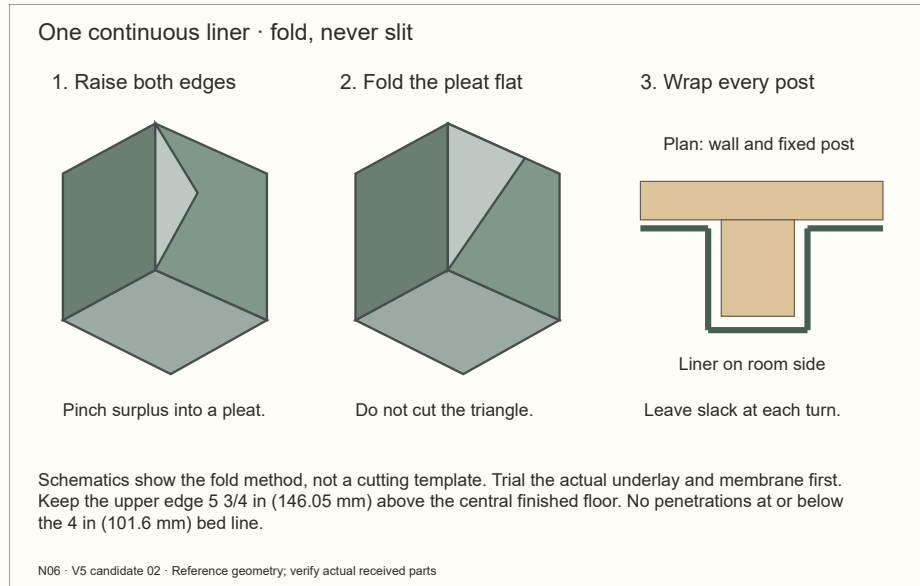
1. After both track and cushion bonds have fully cured, measure between the cushion closing faces. Add 1 in (25.4 mm) overlap and divide by two for each pane width. From outside top of upper track to outside bottom of lower track, subtract 1 1/4 in (31.75 mm) for reference glass height. Shoes match pane width. Carrier length is (clear width between cured cushions + shoe length) divided by two; confirm the manufacturer equation and end clearances on the received sample. The fabricator must approve the complete field worksheet.
2. For planning only, each reference pane is 44.168875 in (1121.89 mm) wide × 11 21/32 in (296.07 mm) high × 6 mm (0.23622047 in) thick, about 11 lb (5 kg). Each carrier is 65.7533125 in (1670.13 mm) long. These are NOT glass-order sizes. Have the fabricator verify final measurements from the fitted hardware; order monolithic tempered glass with polished edges and no holes. Complete all edge work before tempering; never cut or grind tempered glass.
3. Record the final measurements in the worksheet. The old manufacturer guide limits opening width and pane aspect ratio; the current P992 kit page also says doors up to 36 in (914.4 mm). This candidate uses wider reference panes and separate components. Neither a passed opening calculation nor a render resolves that product-scope conflict. Retain the written KV acceptance with the glass order. Keep zinc-plated tracks dry and clear of condensation, mist and substrate.

Check before continuing: Bonding is fully cured, tracks remain straight, and the final glass, shoe and carrier dimensions have been recorded from the received system.

OP51 · Fit the removable lined basin

Parts: LINER uncut basin; underlay; twenty LC clamps around sides, front, rear and ten posts.

Tools / setup: Soft brush, vacuum, liner blank, underlay pads and driver with a slender extension



Fit the removable lined basin

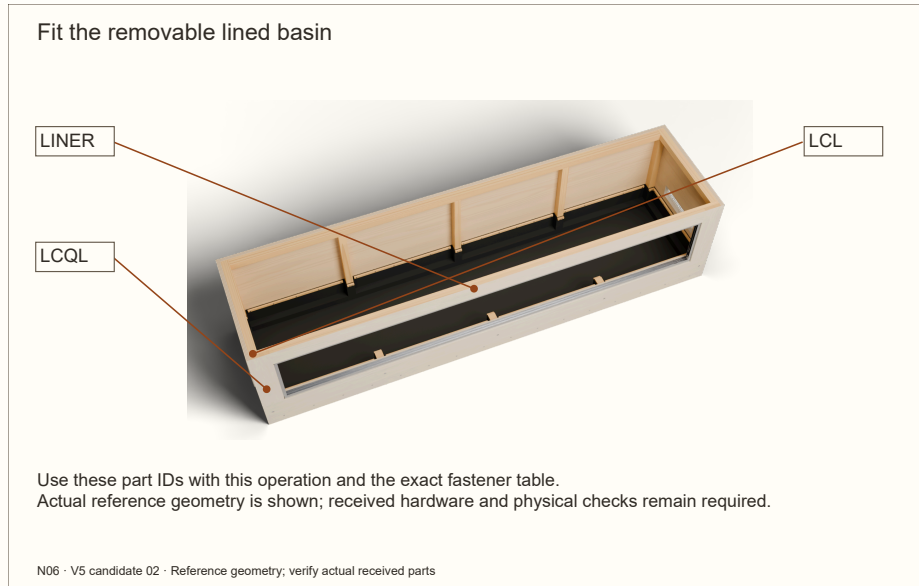
1. With the doors and roof off, cut one 120 in (3048 mm) × 48 in (1219.2 mm) underlay blank and one matching EPDM blank. Dry-fold the full blank before any trimming; retain enough surplus for every post fold. If the received stack needs more slack, use a larger uncut blank from the purchased stock. Clean the floor, double-pad the recessed washers and nuts, cover all eased wood supports and let the liner settle with slack into the central floor and up over the wood support shelves. Measure the local intrusion of doubled pads and corner folds; deduct any excess beyond the reference lining allowance from the usable rectangle. Never stretch the membrane tightly over a head to recover space.
2. At a corner, raise both adjoining liner edges, pinch the surplus into an upright triangular pleat, then fold that pleat flat against a wall. This is an uncut hospital corner. Leave slack above the wood supports. Wrap all five front posts and all five rear uprights on their room-facing surfaces; the liner cannot pass through or behind a fixed post. Fold excess flat without slitting any corner. A one-piece sheet forms the entire basin.
3. Recheck the finished central floor reference mark with a straightedge and depth gauge. Mark the 4 in (101.6 mm) maximum total bed on the lining. Bring the liner edge to 5 3/4 in (146.05 mm) above that floor, leaving it below the retaining top and clear of the door track.

Check before continuing: The liner is uncut below its upper edge, the bed mark is measured from its floor, and the shell remains dry.

OP52 · Fit the removable lined basin · continue

Parts: LINER uncut basin; underlay; twenty LC clamps around sides, front, rear and ten posts.

Tools / setup: Soft brush, vacuum, liner blank, underlay pads and driver with a slender extension



Fit the removable lined basin · continue

1. Fit the twenty rounded liner clamps with screw centers $5 \frac{3}{8}$ in (136.53 mm) above the finished floor, centered across each $\frac{1}{2}$ in (12.7 mm) strip. Side clamps fit between front and rear posts; four rear and four front strips fit between their five posts; ten short strips cover the room-facing post surfaces. Use the labeled predrilled, sealed and cured strip clearance holes and receiver pilots. Pierce the liner only through those holes above the maximum bed. Fit the listed $\#6 \times 1$ in (25.4 mm) screws. A new wood cut requires resealing and full recure. Install the post-face clamps first and side clamps LCL/LCR last, so the driver can reach the corner-post screws. Remove LCL/LCR first during service.
2. Before adding substrate, wet-test with 1 in (25.4 mm) of water on the fully supported base for 24 hours. Inspect the outside and accessible underside. Siphon or wet-vacuum it out; dry and investigate any dampness. This is a shallow liner check, not a pressure-vessel test or permission to use the box as an aquarium.

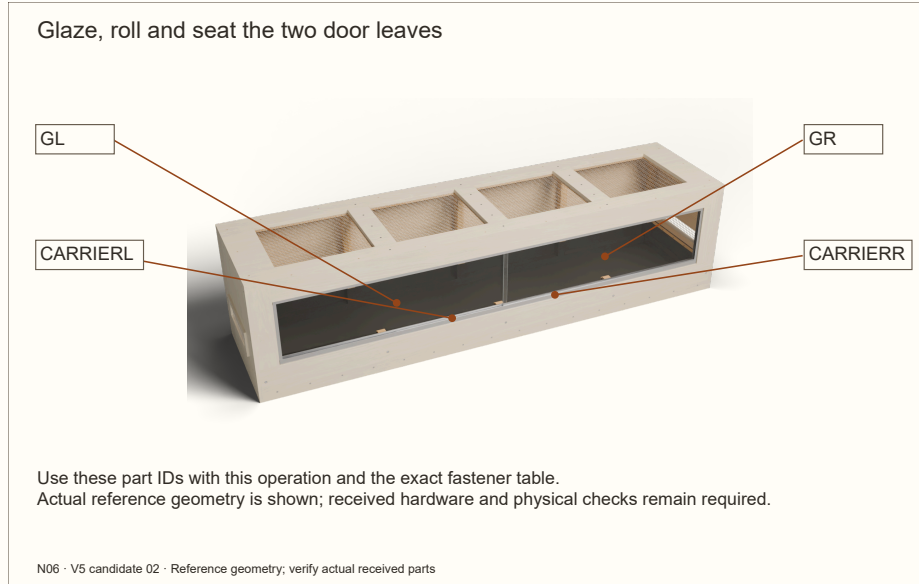
Check before continuing: The liner is uncut below its upper edge, the bed mark is measured from its floor, and the shell remains dry.

Required wait: Inspect a 24-hour shallow water test before filling

OP53 · Glaze, roll and seat the two door leaves

Parts: GL — Tempered glass leaf; GR — Tempered glass leaf; HL — KV995 glass shoe; HR — KV995 glass shoe; CARRIERL — KV997 free rolling ball carrier; CARRIERR — KV997 free rolling ball carrier

Tools / setup: Helper, padded glass supports, caliper, fitting hand tools and labeled received hardware



Glaze, roll and seat the two door leaves

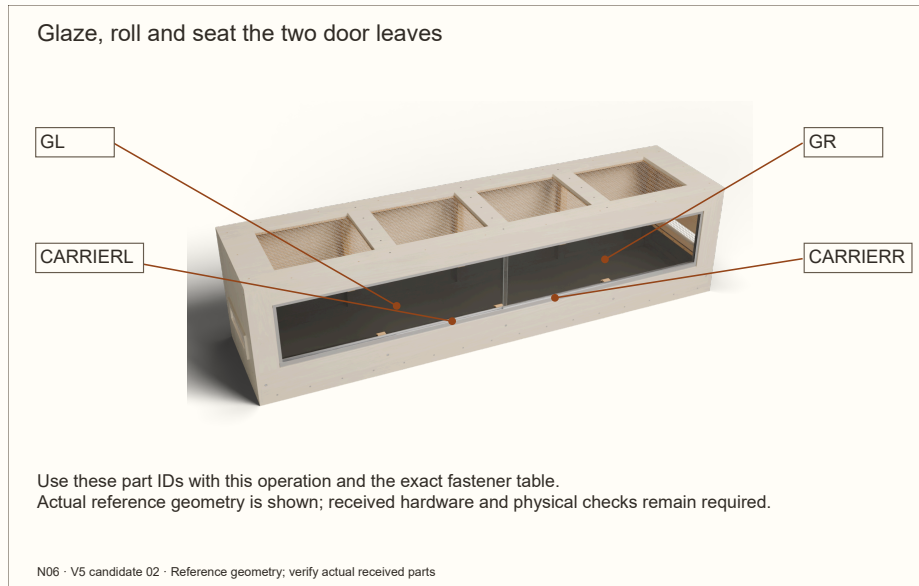
1. Inspect the tempered panes and deburred shoes on a padded clean bench. Fit each 995 shoe to its matching pane using the actual Roll-Ezy fit verified in the make the track and liner fitting gauges operation; do not hammer a tight shoe onto glass. This family uses continuous free-rolling carriers, not individual wheels, aluminum-system vinyl, end caps or top clips.
2. Place one correctly cut 997 carrier on each 999 lower-track anvil. With the left leaf closed, its rear carrier begins at the left track end; the front carrier ends at the right track end. The revised reference carrier is 65.7533125 in (1670.13 mm) long. Verify that it supports the entire shoe throughout its half-speed motion and cannot strike a cushion or track end.
3. With a helper, lift the left closing pane into the rear upper channel, bring its shoe over the carrier and lower gently. Fit the right closing pane in the front lane. Keep glass supported near both ends and prevent it twisting. Confirm that the curved shoes sit on the balls and the carriers remain inside their channels.

Check before continuing: Both doors roll on the matched carriers, remain supported through full travel and have intact glass edges.

OP54 · Glaze, roll and seat the two door leaves · continue

Parts: GL — Tempered glass leaf; GR — Tempered glass leaf; HL — KV995 glass shoe; HR — KV995 glass shoe; CARRIERL — KV997 free rolling ball carrier; CARRIERR — KV997 free rolling ball carrier

Tools / setup: Helper, padded glass supports, caliper, fitting hand tools and labeled received hardware



Glaze, roll and seat the two door leaves · continue

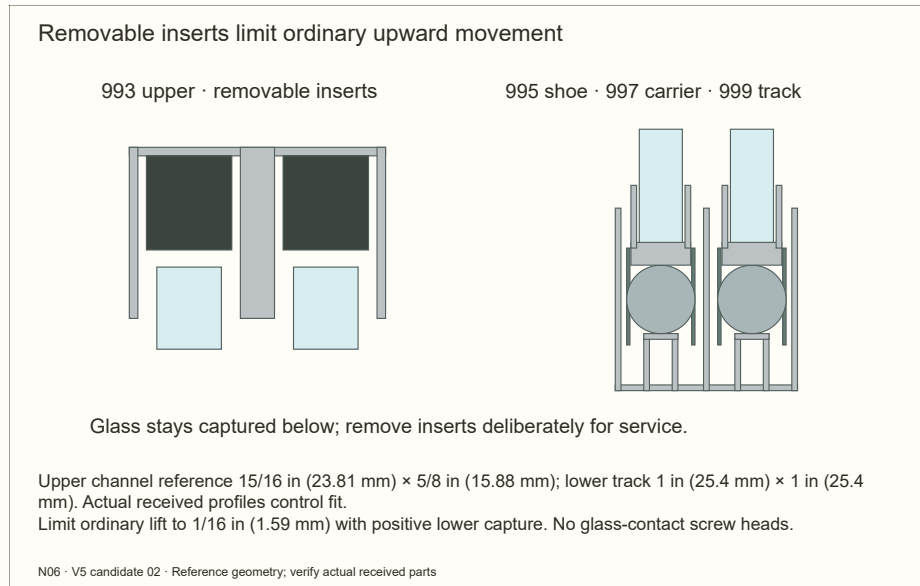
1. Slide each leaf through its full path and close onto the cushions with 1 in (25.4 mm) overlap. Check at both ends and the middle: smooth motion, no metal scraping, no carrier running out from under a shoe, and continuous upper-channel engagement. Reset any carrier that has crept before continuing; never force a jammed door.

Check before continuing: Both doors roll on the matched carriers, remain supported through full travel and have intact glass edges.

OP55 · Fit the removable anti-lift inserts and jamb cushions

Parts: ALF1 — Removable HDPE anti-lift insert; ALF2 — Removable HDPE anti-lift insert; ALF3 — Removable HDPE anti-lift insert; ALF4 — Removable HDPE anti-lift insert; ALB1 — Removable HDPE anti-lift insert; ALB2 — Removable HDPE anti-lift insert; ALB3 — Removable HDPE anti-lift insert; ALB4 — Removable HDPE anti-lift insert; STOPLF — Bond-retained neoprene jamb cushion; STOPLB — Bond-retained neoprene jamb cushion; STOPRF — Bond-retained neoprene jamb cushion; STOPRB — Bond-retained neoprene jamb cushion

Tools / setup: Helper, padded glass supports, caliper, fitting hand tools and labeled received hardware



Fit the removable anti-lift inserts and jamb cushions

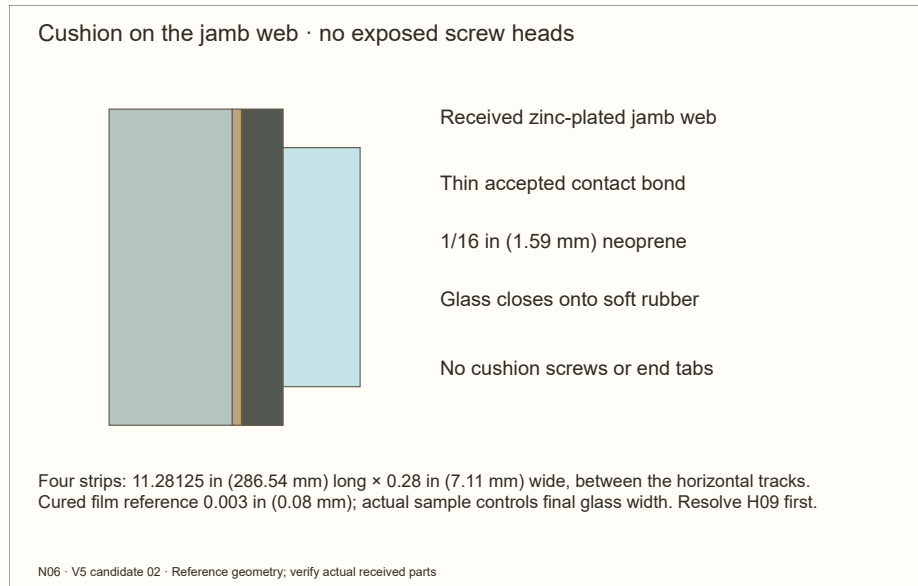
1. Recheck the actual seated pane top clearance and use the labeled HDPE inserts accepted during the pre-finish trial. The reference is 21.8359375 in (554.63 mm) long × 5/16 in (7.94 mm) wide × 11/32 in (8.73 mm) high. Actual received sections and panes control height. Permit at most 1/16 in (1.59 mm) upward play while preserving positive lower-rail capture.
2. Use four pieces in each lane, with close quarter-point joints. Cover the entire travel so no pane can rise into a missing section. No sharp edge or screw head may bear on glass.
3. Use the labeled predrilled clearance holes through the inserts and upper web, with stopped header pilots already sealed and fully cured. Support the glass and fit the matching screws without raised heads. If any hole or insert needs a new cut, remove the glass, correct the work, reseal exposed wood and complete its full cure before restarting glazing.

Check before continuing: Neither pane can be lifted off its rail in any operating position; both remain removable after the inserts are unscrewed.

OP56 · Fit the removable anti-lift inserts and jamb cushions · continue

Parts: ALF1 — Removable HDPE anti-lift insert; ALF2 — Removable HDPE anti-lift insert; ALF3 — Removable HDPE anti-lift insert; ALF4 — Removable HDPE anti-lift insert; ALB1 — Removable HDPE anti-lift insert; ALB2 — Removable HDPE anti-lift insert; ALB3 — Removable HDPE anti-lift insert; ALB4 — Removable HDPE anti-lift insert; STOPLF — Bond-retained neoprene jamb cushion; STOPLB — Bond-retained neoprene jamb cushion; STOPRF — Bond-retained neoprene jamb cushion; STOPRB — Bond-retained neoprene jamb cushion

Tools / setup: Helper, padded glass supports, caliper, fitting hand tools and labeled received hardware



Fit the removable anti-lift inserts and jamb cushions · continue

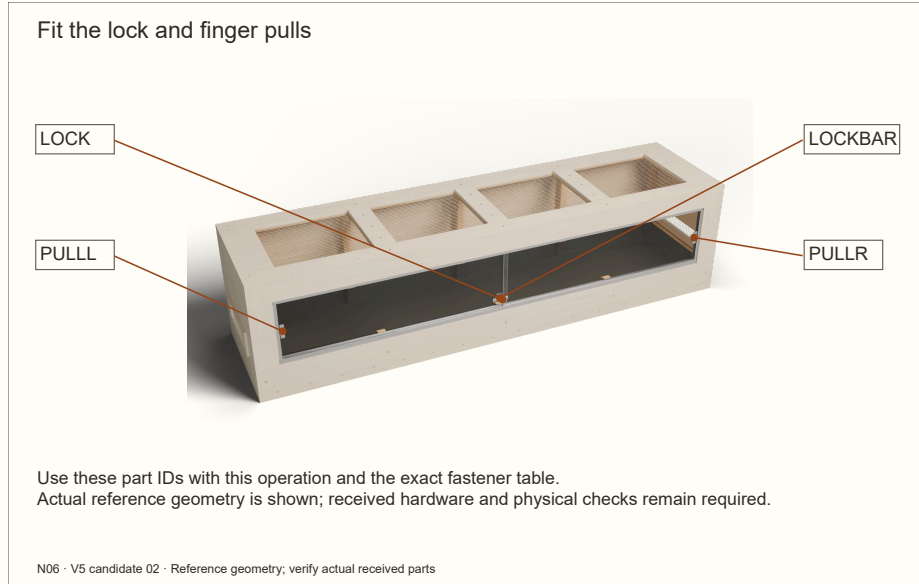
1. Inspect the four bond-retained neoprene cushions. There are no cushion screws or projecting metal heads. Reject a lifted edge, creeping strip, hard adhesive bead or metal-to-glass contact. Repair the accepted bond and repeat its complete cure and closing trial before use.
2. At both ends and the middle, gently lift each pane. Its shoe must remain positively captured within the lower track. Unscrew the inserts and demonstrate lift-out with a helper, then reinstall and repeat the retention check. Correct any fit that allows derailment with the inserts installed.

Check before continuing: Neither pane can be lifted off its rail in any operating position; both remain removable after the inserts are unscrewed.

OP57 • Fit the lock and finger pulls

Parts: LOCK — CRL 963L removable anti-spread housing; LOCKBAR — CRL 963L ratchet bar and rear-leaf clip; PULLLL — CRL FP86 finger pull; PULLR — CRL FP86 finger pull

Tools / setup: Helper, padded glass supports, caliper, fitting hand tools and labeled received hardware



Fit the lock and finger pulls

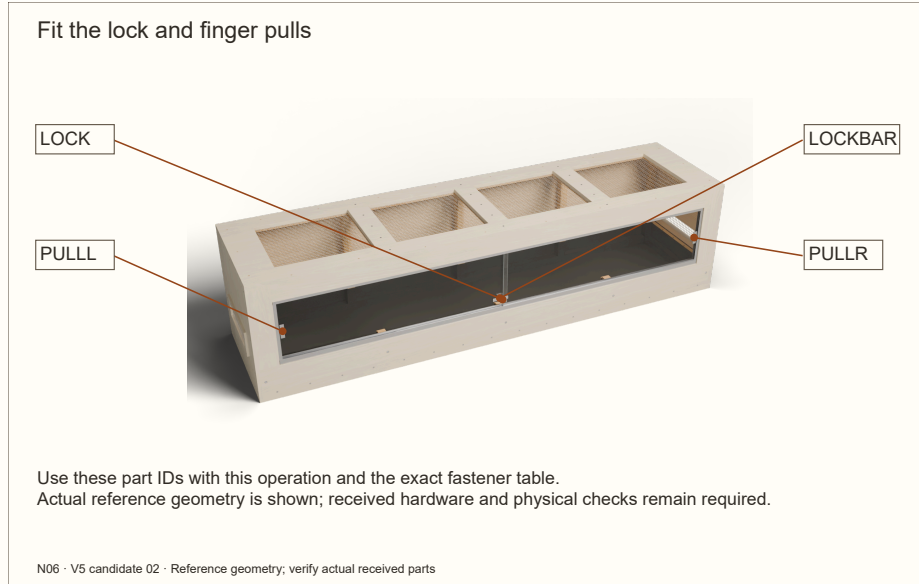
1. Close both doors on their cushioned jamb stops. Fit the 963L ratchet bar to the rear leaf and its anti-spread housing across the overlap following the supplied orientation. Protect the polished edge; no improvised metal packing may touch glass.
2. Adjust the ratchet to secure both leaves without forcing or bowing them. With the key removed, gently test each door separately for sliding, spreading and lifting. The anti-lift inserts remain installed independently of the lock.
3. Locate each pull with its nearest edge at least 3/4 in (19.05 mm) inward from that pane's closing edge, clear of the jamb noses. Follow the pull maker's cleaning, adhesive and dwell instructions. Prove the complete bypass path before bonding.

Check before continuing: The lock holds both closed leaves and releases predictably; pulls do not collide and service access is documented.

OP58 · Fit the lock and finger pulls · continue

Parts: LOCK — CRL 963L removable anti-spread housing; LOCKBAR — CRL 963L ratchet bar and rear-leaf clip; PULLL — CRL FP86 finger pull; PULLR — CRL FP86 finger pull

Tools / setup: Helper, padded glass supports, caliper, fitting hand tools and labeled received hardware



Fit the lock and finger pulls · continue

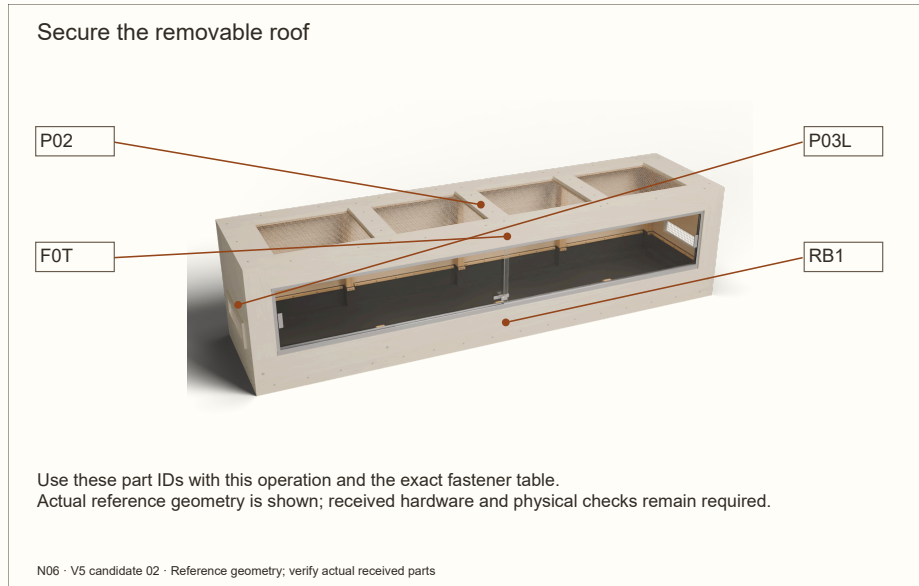
1. Remove the lock body before sliding. The reference single-leaf access is 42.512625 in (1079.82 mm) × 11 9/32 in (286.54 mm). Actual jamb noses and hardware control the opening with both panes removed; measure it before planning equipment handling. The rear-leaf clip must meet its soft cushion before metal contacts the jamb. Prove the actual path. Plan at least 41 in (1041.4 mm) width for service; larger items require both panes or roof removal.

Check before continuing: The lock holds both closed leaves and releases predictably; pulls do not collide and service access is documented.

OP59 · Secure the removable roof

Parts: P02 — Removable roof

Tools / setup: Helper, padded roof supports and hand driver for the labeled roof screws



Secure the removable roof

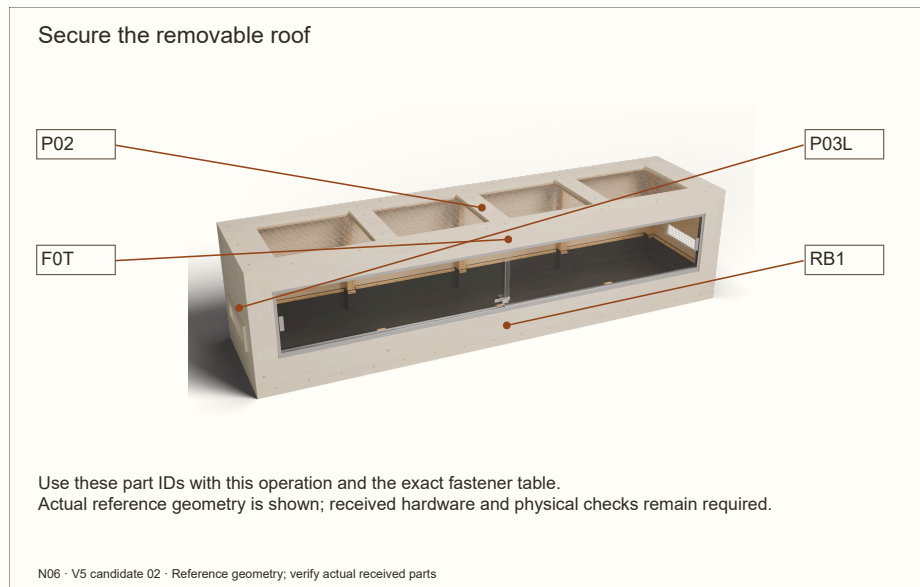
1. Check that mesh, liner clamps and track hardware are complete before setting the roof down. Seat it without trapping the liner, glass guides or future cables.
2. Use the predrilled and cured roof stations: three per side support, eight across the header and eight across the rear upper support. The revised front row alternates between the centers of the two solid frame layers, 3/8 in (9.53 mm) and 1 1/8 in (28.58 mm) behind the front, to avoid their glue seam. Do not drill new holes after cure; corrections require disassembly, resealing and full recure.
3. Fit #8 × 1 1/4 in (31.75 mm) screws, tightening evenly by hand. Do not glue the roof and do not use the mesh as a handle. Check the doors again with the roof secured.

Check before continuing: The roof cannot shift or lift unintentionally, and both doors still operate without binding.

OP60 · Secure the removable roof · continue

Parts: P02 — Removable roof

Tools / setup: Helper, padded roof supports and hand driver for the labeled roof screws



Secure the removable roof · continue

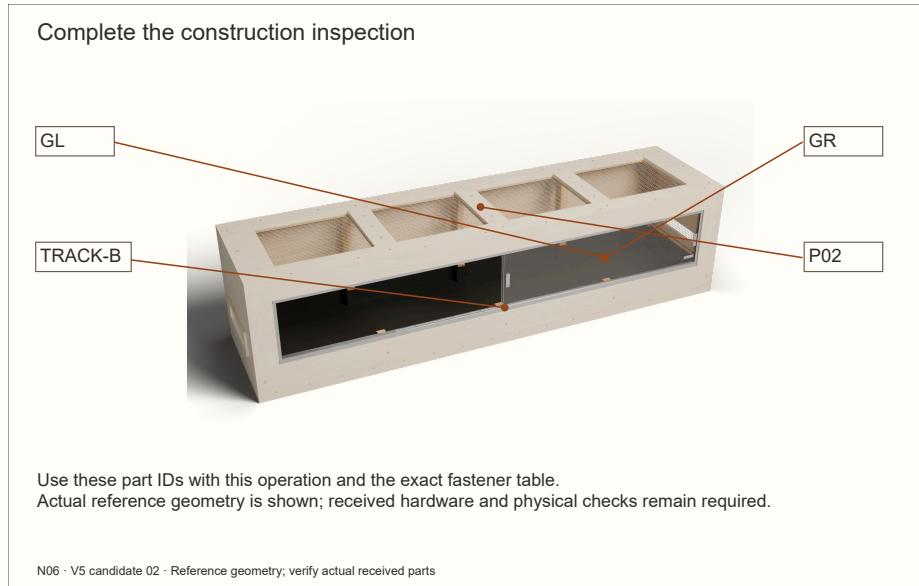
1. Keep roof screw locations accessible in the final equipment arrangement. Remove equipment and disconnect power before roof service. A screen-top fixture is permitted only where its instructions allow it and its complete weight is carried by qualified framing; this mesh has no fixture load rating.

Check before continuing: The roof cannot shift or lift unintentionally, and both doors still operate without binding.

OP61 • Complete the construction inspection

Parts: Use the labeled parts in the picture and the matching cut schedule

Tools / setup: Inspection record, tape, scale and actual equipment needed for the stated trial; helper for service



Complete the construction inspection

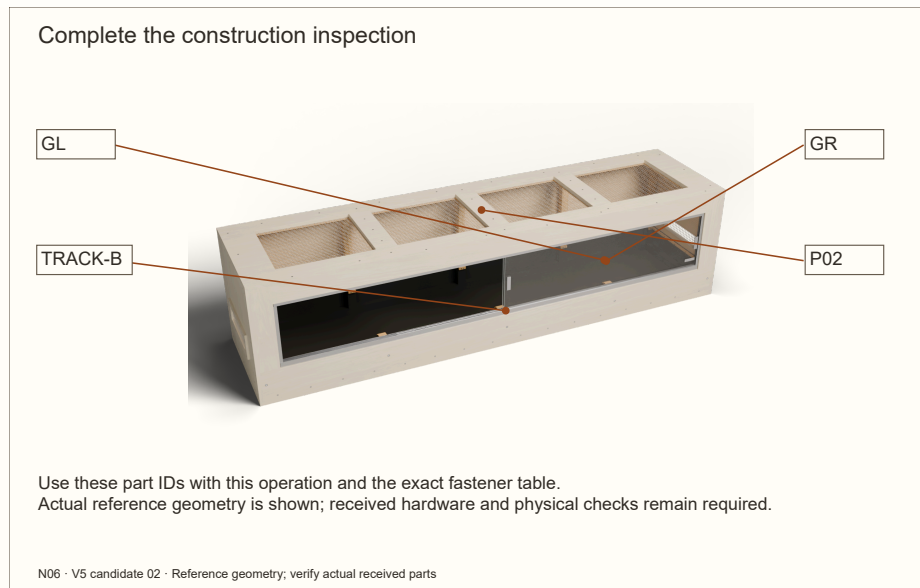
1. Check every screw against the station schedule, all five retainer bolt stacks and their full nut engagement, every mesh capture, all glass edges, the full perimeter of the roof, both lock positions and each anti-lift insert. Repair splits, burrs, loose fittings and stripped receivers.
2. Measure the closed gaps at the jambs, between the glass leaves, below the shoes, around the roof and at the mesh. Record actual values; the construction clearances alone do not establish containment for an animal or feeder.
3. Verify the cured finish and dry shell after the liner test. Check that no below-fill screw or cable has penetrated the basin and that the removable liner clamps are accessible.

Check before continuing: The completed construction record has no unresolved defect. Animal and equipment commissioning remains a separate step.

OP62 · Complete the construction inspection · continue

Parts: Use the labeled parts in the picture and the matching cut schedule

Tools / setup: Inspection record, tape, scale and actual equipment needed for the stated trial; helper for service



Complete the construction inspection · continue

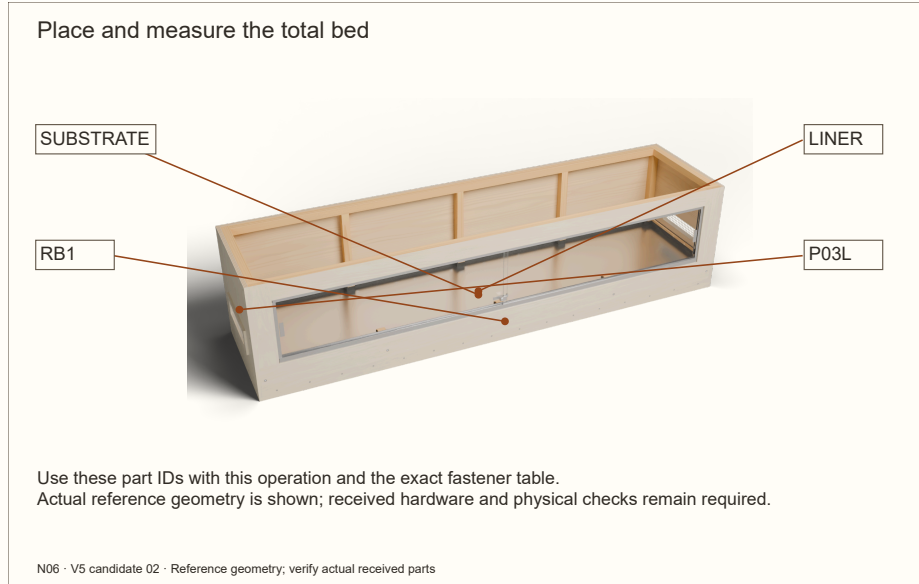
1. Rehearse removing and reinstalling the lock, anti-lift inserts, both panes and roof with the enclosure empty. Confirm that the cleaning tools can reach the rear corners and that the full bed can be removed without tipping the box.

Check before continuing: The completed construction record has no unresolved defect. Animal and equipment commissioning remains a separate step.

OP63 · Place and measure the total bed

Parts: SUBSTRATE — 4-inch total bed

Tools / setup: Inspection record, tape, scale and actual equipment needed for the stated trial; helper for service



Place and measure the total bed

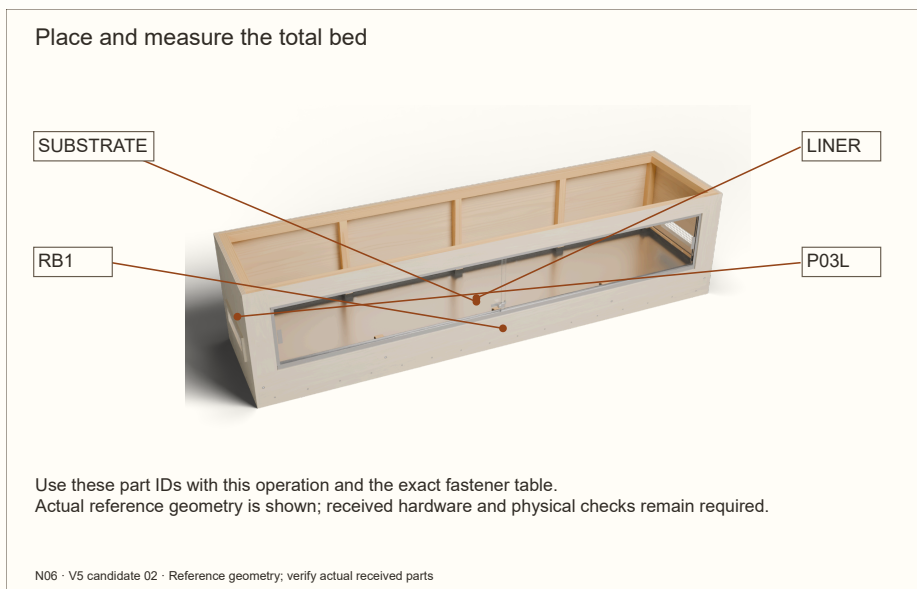
1. Place the enclosure permanently on its qualified full-footprint support before filling. Add smooth protective pads under hard decorations, spreading their loads without puncturing the liner. Do not place a sharp rock directly on the membrane.
2. Measure the entire bed from the finished central liner floor. A drainage layer, separator and substrate all count toward 4 in (101.6 mm); for example, 1 in (25.4 mm) drainage leaves at most 3 in (76.2 mm) for the remaining layers.
3. The uninterrupted reference floor rectangle between lined bottom supports is 91 11/32 in (2320.13 mm) × 17 15/16 in (455.61 mm), or 11.38 square feet (1.06 square metres). Above the 4 in (101.6 mm) bed, reference height below upper supports is 16 31/32 in (431.01 mm). Deduct actual folds, pads, equipment and furnishings from these reference dimensions.

Check before continuing: The total bed stays at or below its line, with 2 in (50.8 mm) retaining-wall freeboard and documented remaining usable space.

OP64 · Place and measure the total bed · continue

Parts: SUBSTRATE — 4-inch total bed

Tools / setup: Inspection record, tape, scale and actual equipment needed for the stated trial; helper for service



Place and measure the total bed · continue

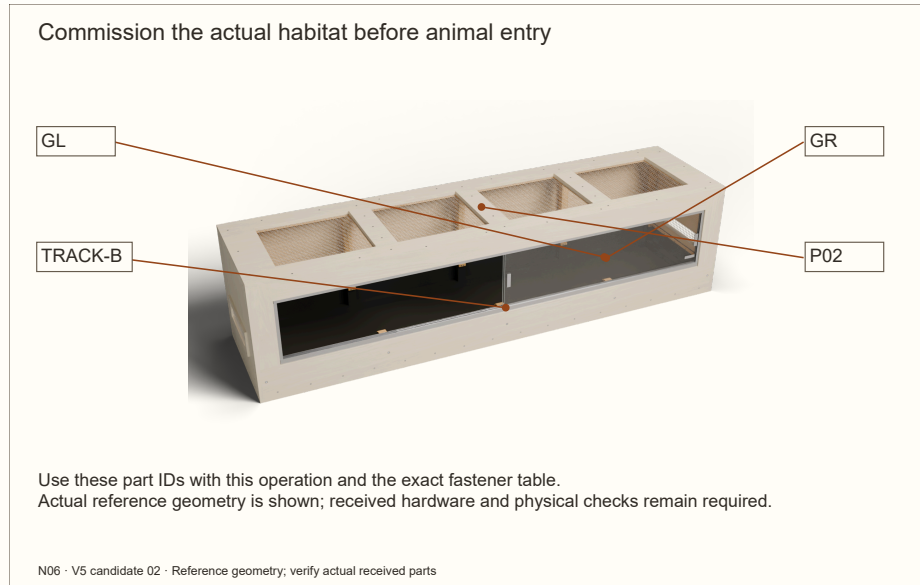
1. Weigh the delivered damp mix and record the total installed load. Check support deflection, doors and liner after filling; remove the bed if anything shifts or binds. The density scenarios are planning arithmetic, not a structural rating.

Check before continuing: The total bed stays at or below its line, with 2 in (50.8 mm) retaining-wall freeboard and documented remaining usable space.

OP65 · Commission the actual habitat before animal entry

Parts: Use the labeled parts in the picture and the matching cut schedule

Tools / setup: Inspection record, tape, scale and actual equipment needed for the stated trial; helper for service



Commission the actual habitat before animal entry

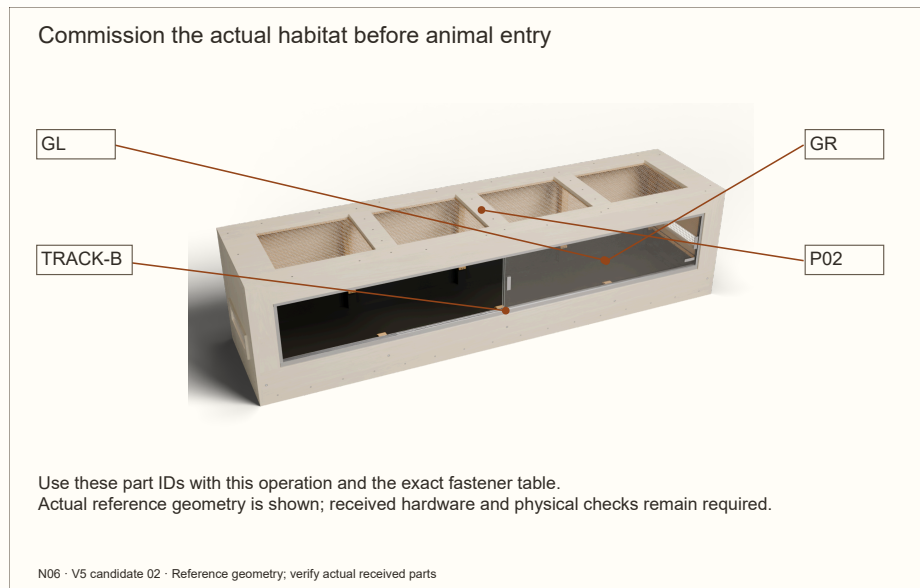
1. Select the intended species, life stage and number of occupants against current care requirements using the finished usable interior, not the nominal 96 in (2438.4 mm) × 24 in (609.6 mm) × 24 in (609.6 mm) shell. This generic guide assigns no species suitability.
2. Qualify every gap and the mesh opening for the occupant and feeders. Add a mechanically retained finer barrier when needed, then reassess ventilation, visibility, cleaning and equipment performance.
3. Choose heat, light, ultraviolet and control equipment for the actual habitat. Follow exact mounting, separation and combustible-clearance instructions. Fit fixtures inside or above the screen only where that product permits the position, with guards and a qualified support carrying the weight. Keep hot parts clear of wood, liner, glass and animal contact; the mesh itself has no fixture load rating.

Check before continuing: Animal entry follows a separate, documented species/equipment commissioning review; a finished wooden shell is not that approval.

OP66 · Commission the actual habitat before animal entry · continue

Parts: Use the labeled parts in the picture and the matching cut schedule

Tools / setup: Inspection record, tape, scale and actual equipment needed for the stated trial; helper for service



Commission the actual habitat before animal entry · continue

1. Plan any cable penetration against the exact connector and strain relief before cutting. Put it above the liner, seal and finish its wood reveal, then fit a retained closure that cannot be pushed open. Do not trap a cord in the roof joint or make a new hole through the wet basin.
2. Run the complete configured habitat unoccupied through its planned day/night and wet/dry cycles. Measure the relevant temperatures, humidity, ventilation and light exposure; verify thermostat control, safe surfaces, door retention and cleaning access. Record passing results before animal entry.

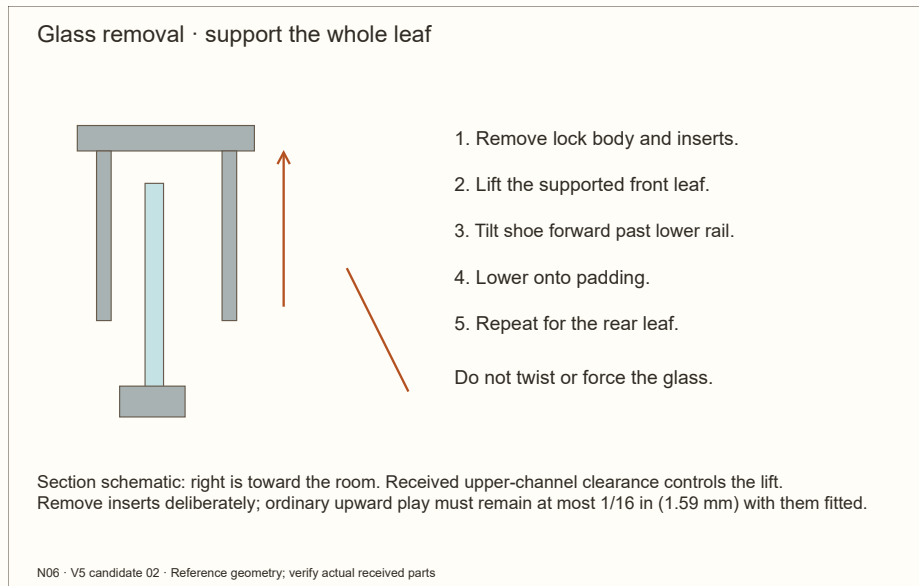
Check before continuing: Animal entry follows a separate, documented species/equipment commissioning review; a finished wooden shell is not that approval.

OP67 · Remove the glass for service

Parts: Glass GL/GR, removable lock body and anti-lift inserts

Tools / setup: Inspection record, tape, scale and actual equipment needed for the stated trial; helper for service

Before you begin: Service the enclosure empty, with the animal housed securely elsewhere and equipment disconnected.



Remove the glass for service

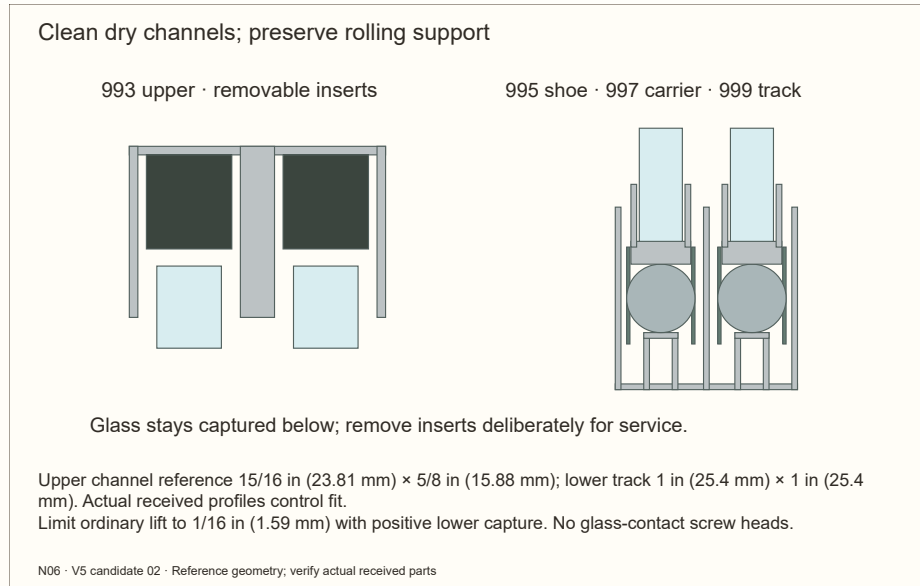
1. Remove the lock body and slide each leaf to expose its anti-lift screws. Support the glass while removing its lane inserts; keep all screws out of the bed.
2. Move the front leaf slightly away from its closing jamb. With a helper, lift it gently into the upper channel, tilt its shoe forward just clear of the lower rail, and lower it onto a padded support. Repeat for the rear leaf after the front pane is out. Never force the glass against the upper channel, twist it or rest an edge on a hard floor.

Check before continuing: Both panes are on padded supports and all small hardware is retained.

OP68 · Clean the tracks and reinstall the panes

Parts: Tracks, carriers, shoes, cushions, glass and anti-lift inserts

Tools / setup: Inspection record, tape, scale and actual equipment needed for the stated trial; helper for service



Clean the tracks and reinstall the panes

1. Vacuum the dry tracks and wipe with a soft damp cloth; dry immediately. Leave bonded tracks attached. Inspect balls, shoes, zinc finish, cushions and glass edges. Do not flood, lubricate without manufacturer approval, or force a carrier that has crept out of position.
2. Reinstall the rear leaf first, then the front leaf, inserts and lock. Repeat the full-travel, anti-lift and closed-gap checks before returning the animal.

Check before continuing: Both leaves travel freely, remain captured and close securely before reuse.

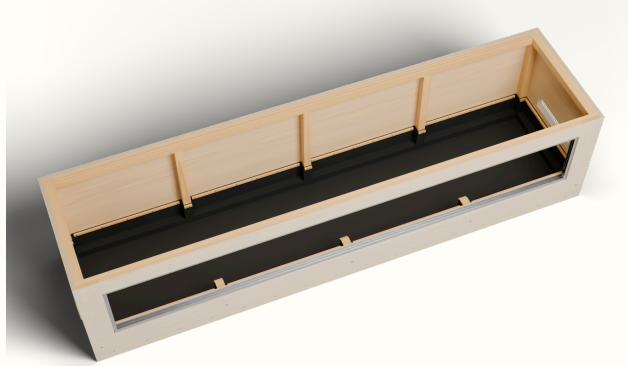
OP69 • Empty and remove the lined basin

Parts: Removable roof, twenty liner clamps and the one-piece liner

Tools / setup: Inspection record, tape, scale and actual equipment needed for the stated trial; helper for service

Before you begin: Use cleaning products compatible with the selected liner, wood finish and actual animal requirements. Rinse and dry as directed. Never mix cleaners or use an abrasive blade on glass edges.

Empty first; remove roof and all twenty liner clamps



Scoop or siphon the contents into containers. Never tip or lift a loaded enclosure. Leave the front retainer bolted; lift the uncut liner through the roof and inspect the dry wood.

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Empty and remove the lined basin

1. Remove animals and disconnect equipment before a full clean. Lift decorations out; never drag a sharp object over the liner.
2. Scoop substrate into containers through the front opening; remove both glass leaves for larger tools. Siphon or wet-vacuum free liquid without dragging a hard nozzle across the membrane. Do not tip or lift a loaded shell.
3. For the 6 in (152.4 mm) retaining front, use a stable service position that lets you reach the floor without leaning on glass or tracks. Once empty, remove the roof and side clamps LCL/LCR first, then the remaining eighteen liner clamps to lift out the one-piece basin. Leave the retainer bolted in place during normal cleaning. Inspect and dry the wood beneath it. Repair or replace liner using the liner manufacturer's method; cure any finish repair fully before reassembly.

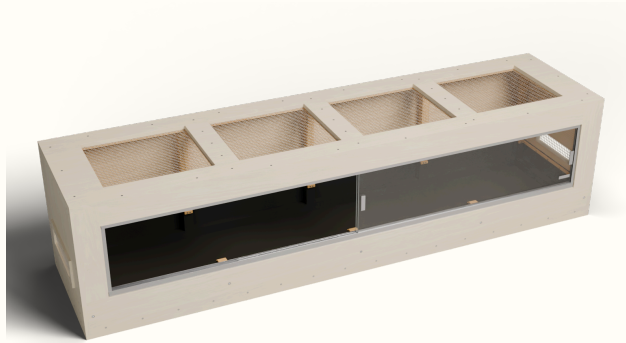
Check before continuing: The empty liner lifts out without cutting a fold or disturbing the bolted retainer.

OP70 · Inspect before returning the enclosure to service

Parts: Complete enclosure and the separate receiving/commissioning record

Tools / setup: Inspection record, tape, scale and actual equipment needed for the stated trial; helper for service

Repeat affected checks after cleaning or repairs



Check coating, veneer, mesh, glass edges, screw grip, liner folds, support and every closure. Repair, fully cure, reassemble and recommission before returning an animal.

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Inspect before returning the enclosure to service

1. Before each use: doors closed, lock engaged, inserts installed, mesh and roof secure.
2. After adding or removing bed: check floor support, frame square, free door travel and the maximum fill mark.
3. At each full clean: inspect the liner folds and underside for moisture; inspect coating, screw receivers and glass edges. Replace damaged components.

Check before continuing: Damage has been corrected, repairs fully cured and all affected physical checks repeated.

Materials and hardware

Quantities apply to this revision. Choose ONE veneer species: four 48 × 120 in (1219.2 × 3048 mm) sheets. Do not buy all three species. Six pine boards include a dedicated trial board. No complete affiliate cart or local inventory is verified.

Product	Model and purchase quantity	Fit / purchase condition
PLY · Birch plywood Direct product listing	712849 Needed 3; 1 per package; buy 3 package(s)	Coordinate plan assumes 96.468 × 48.468 in (1231.09 mm) delivered sheets. Minimum usable after squaring must contain every rough blank; the 96 1/8 in (2441.58 mm) floor/roof blanks require at least 96 3/8 in (2447.93 mm) stock with two 1/8 in (3.18 mm) end trims. Reject shorter stock or revise the core and all dependent cuts.
PINE · RELIABILT clear eastern white pine Direct product listing	PLSEL 1.000 6.000 8.000D4S Needed 6; 1 per package; buy 6 package(s)	Includes one dedicated trial board. Plane the full-width thin-strip boards to 3/8 in (9.53 mm) before ripping; do not feed small finished strips through a thickness planer.
SOLID · RELIABILT clear S4S solid pine Direct product listing	2X2 8 RPC Needed 6; 1 per package; buy 6 package(s)	Six 96 in (2438.4 mm) boards; retain the full 1 1/2 in (38.1 mm) square section.
MESH · Acorn galvanized hardware cloth Direct product listing	HC24810 Needed 1; 1 per package; buy 1 package(s)	1/2 in (12.7 mm) openings. This construction mesh is not containment for many animals or feeders; see commissioning.

Materials and hardware · continued

Quantities apply to this revision. Choose ONE veneer species: four 48 × 120 in (1219.2 × 3048 mm) sheets. Do not buy all three species. Six pine boards include a dedicated trial board. No complete affiliate cart or local inventory is verified.

Product	Model and purchase quantity	Fit / purchase condition
PAD · Rubber-Cal loose neoprene sheet Direct product listing	30-004-062-012-036 Needed 1; 1 per package; buy 1 package(s)	Cut four 11 9/32 in (286.54 mm) × 0.28 in (7.11 mm) × 1/16 in (1.59 mm) jamb cushions. Bond only after H09 acceptance; no cushion screws or end tabs.
GLUE · Titebond III Ultimate Direct product listing	1414 Needed 1; 1 per package; buy 1 package(s)	Bond only the named bare-wood interfaces; never use as a basin seal.
FINISH · Varathane Triple Thick clear satin water-based polyurethane Direct product listing	284473-7482 Needed 6; 2 per package; buy 3 package(s)	Calculated 297.52 square feet (27.64 square metres); 6 US-quart cans of 0.946 litres each. Buy three two-can packs. Extra coats or balance layers require recalculation.
W125 · Hillman #8 × 1 1/4-inch shell screws Direct product listing	35054 Needed 163; 100 per package; buy 2 package(s)	Exact screw count comes from the station schedule; purchased packs include spare screws.

Materials and hardware · continued

Quantities apply to this revision. Choose ONE veneer species: four 48 × 120 in (1219.2 × 3048 mm) sheets. Do not buy all three species. Six pine boards include a dedicated trial board. No complete affiliate cart or local inventory is verified.

Product	Model and purchase quantity	Fit / purchase condition
W200 · Hillman #8 × 2-inch front-frame screws Direct product listing	35057 Needed 44; 50 per package; buy 1 package(s)	Exact screw count comes from the station schedule; purchased packs include spare screws.
W100 · Hillman #6 × 1-inch capture screws Direct product listing	35048 Needed 182; 100 per package; buy 2 package(s)	Exact screw count comes from the station schedule; purchased packs include spare screws.
KV993 · Roll-Ezy steel upper and jamb channel Direct product listing	KV993 Needed 1; 1 per package; buy 1 package(s)	One 144 in (3657.6 mm) stock length supplies the 87 11/32 in (2218.53 mm) upper channel and two 11 9/32 in (286.54 mm) vertical jambs. Match the steel Roll-Ezy family. Common-carrier freight is listed; check shipping before ordering. HOLD: obtain written manufacturer approval for the reference 44.168875 in (1121.89 mm) pane and jamb alteration before purchase.
KV995 · Roll-Ezy steel glass shoe Direct product listing	KV995 Needed 1; 1 per package; buy 1 package(s)	One 144 in (3657.6 mm) stock length supplies two 44.168875 in (1121.89 mm) reference shoes, with kerf and offcut. Match the field-ordered pane widths. H01 manufacturer acceptance remains required.

Materials and hardware · continued

Quantities apply to this revision. Choose ONE veneer species: four 48 × 120 in (1219.2 × 3048 mm) sheets. Do not buy all three species. Six pine boards include a dedicated trial board. No complete affiliate cart or local inventory is verified.

Product	Model and purchase quantity	Fit / purchase condition
KV997 · Roll-Ezy steel ball-bearing carrier Direct product listing	KV997 Needed 1; 1 per package; buy 1 package(s)	One 144 in (3657.6 mm) stock length supplies two 65.7533125 in (1670.13 mm) carriers, with kerf and offcut. Final carrier length is (clear width between cured cushions + shoe length) divided by two. Carriers move half their leaf travel. H01 manufacturer acceptance remains required.
KV999 · Roll-Ezy steel lower track Direct product listing	KV999 Needed 1; 1 per package; buy 1 package(s)	One 144 in (3657.6 mm) stock length supplies the 87 11/32 in (2218.53 mm) continuous lower track. No butt joint. Keep this zinc-plated indoor hardware dry and free of substrate. HOLD: obtain written manufacturer approval for the reference 44.168875 in (1121.89 mm) pane and jamb alteration before purchase.
TRACKBOND · Loctite PL Premium construction adhesive Direct product listing	1390595 Needed 1; 1 per package; buy 1 package(s)	One 10 fl oz (295 mL) cartridge, model 1390595. Only for accepted steel-to-bare-wood track bonds; never the liner, HDPE or glass. Follow “Reassemble and bond the accepted track system” for preparation, bracing and cure.
LOCK · CRL chrome anti-spread ratchet lock for 1/4-inch glass Direct product listing	963L Needed 1; 1 per package; buy 1 package(s)	Published overlap range 3/4–3 3/8 in (85.73 mm); this design targets 1 in (25.4 mm). Remove the lock body for sliding. Separate anti-lift inserts remain installed.

Materials and hardware · continued

Quantities apply to this revision. Choose ONE veneer species: four 48 × 120 in (1219.2 × 3048 mm) sheets. Do not buy all three species. Six pine boards include a dedicated trial board. No complete affiliate cart or local inventory is verified.

Product	Model and purchase quantity	Fit / purchase condition
PULL · CRL silver stick-on finger pull Direct product listing	FP86 Needed 2; 1 per package; buy 10 package(s)	Two installed. Current CRL US listing requires an order of ten each; eight remain spare. Confirm actual adhesive preparation/dwell and stock before purchase.
TRACK · Everbilt #4 × 3/4-inch Phillips flat-head wood screw, 12-pack Direct product listing	806891 Needed 16; 12 per package; buy 2 package(s)	Sixteen screws secure the eight anti-lift inserts. No cushion screws: use the separately specified accepted contact bond. Do not drill rolling anvils.
GLASS · Two made-to-measure monolithic tempered glass leaves Custom order · supplier unresolved	6 mm clear, polished edges; no holes Needed 2; 1 per package; buy 2 package(s)	Two reference 6 mm tempered panes. Do not use the former shoe listing as a glass purchase link. Exact size, edges, tolerance and quantity require the accepted received assembly.
LINER · Aquascape 45 mil ethylene propylene diene monomer (EPDM) boxed liner, 8' × 10' Direct product listing	85009 Needed 1; 1 per package; buy 1 package(s)	Select the 96 in (2438.4 mm) × 120 in (3048 mm) variant. Cut one 120 in (3048 mm) × 48 in (1219.2 mm) blank; retain the offcut for service patches under the liner maker's repair procedure.

Materials and hardware · continued

Quantities apply to this revision. Choose ONE veneer species: four 48 × 120 in (1219.2 × 3048 mm) sheets. Do not buy all three species. Six pine boards include a dedicated trial board. No complete affiliate cart or local inventory is verified.

Product	Model and purchase quantity	Fit / purchase condition
UNDERLAY · Aquascape heavy-duty pond underlayment, 5' × 10' Direct product listing	42135 — 5' × 10' variant Needed 1; 1 per package; buy 1 package(s)	Select exactly 60 in (1524 mm) × 120 in (3048 mm). Orient the 120 in (3048 mm) cut along the 120 in (3048 mm) length and the 48 in (1219.2 mm) cut across the 60 in (1524 mm) width. Cut one 120 in (3048 mm) × 48 in (1219.2 mm) blank and local protective pads. Published loft is about 0.068 in (1.73 mm); the installed compressed stack must be measured.
HDPE · Polymershapes smooth black high-density polyethylene (HDPE) sheet Direct product listing	51962104 Needed 1; 1 per package; buy 1 package(s)	Machine eight 21.8359375 in (554.63 mm) reference inserts from the 1/2 in (12.7 mm) × 12 in (304.8 mm) × 24 in (609.6 mm) sheet. Four pieces per lane. Fit actual thickness to received hardware and seated panes; retain positive lower capture and at most 1/16 in (1.59 mm) upward play.
BOLT · 316 stainless socket flat-head screw, 1/4-20 x 3-1/2 inch Direct product listing	24910 Needed 5; 1 per package; buy 5 package(s)	One exterior flush screw per retainer post; 5/32 in (3.97 mm) hex drive, 82-degree seat. Length includes flat head.
WASHER · 316 stainless 1/4-inch flat washer Direct product listing	16019 Needed 5; 1 per package; buy 5 package(s)	One inside each recessed post under locknut. 5/8 in (15.88 mm) outside and 9/32 in (7.14 mm) inside diameters; receive thickness at most 1/16 in (1.59 mm) for this reference stack.

Materials and hardware · continued

Quantities apply to this revision. Choose ONE veneer species: four 48 × 120 in (1219.2 × 3048 mm) sheets. Do not buy all three species. Six pine boards include a dedicated trial board. No complete affiliate cart or local inventory is verified.

Product	Model and purchase quantity	Fit / purchase condition
LOCKNUT · 316 stainless 1/4-20 nylon insert locknut Direct product listing	16008 Needed 5; 1 per package; buy 5 package(s)	One inside each recessed post. Listed height .298-0.328 in (8.33 mm); two full threads beyond nylon, entire tail below post face. Hand-tighten to avoid stainless galling; never force seized threads.
VENEER-maple · Maple exterior veneer Direct product listing	Selected species, 4 × 10 ft, 3M PSA backing; supplier-confirm exact configuration Needed 4; 1 per package; buy 4 package(s)	All full exterior faces, roof, edges and reveals plus trial. Supplier balance/adhesive/finish/dwell acceptance required. Another backer or balance layer invalidates cuts and geometry.
VENEER-oak · White oak exterior veneer Direct product listing	Selected species, 4 × 10 ft, 3M PSA backing; supplier-confirm exact configuration Needed 4; 1 per package; buy 4 package(s)	All full exterior faces, roof, edges and reveals plus trial. Supplier balance/adhesive/finish/dwell acceptance required. Another backer or balance layer invalidates cuts and geometry.
VENEER-walnut · Walnut exterior veneer Direct product listing	Selected species, 4 × 10 ft, 3M PSA backing; supplier-confirm exact configuration Needed 4; 1 per package; buy 4 package(s)	All full exterior faces, roof, edges and reveals plus trial. Supplier balance/adhesive/finish/dwell acceptance required. Another backer or balance layer invalidates cuts and geometry.

Materials and hardware · continued

Quantities apply to this revision. Choose ONE veneer species: four 48 × 120 in (1219.2 × 3048 mm) sheets. Do not buy all three species. Six pine boards include a dedicated trial board. No complete affiliate cart or local inventory is verified.

Product	Model and purchase quantity	Fit / purchase condition
CUSHION-BOND · DAP Weldwood Original Contact Cement, pint Direct product listing	00271 / UPC 7079800271 Needed 1; 1 per package; buy 1 package(s)	For four neoprene cushions only; never apply to the EPDM liner or substitute for the wood/steel track adhesive. About 0.176 square feet of two-face coating plus trials; one pint is ample at the published 216 square feet per gallon. Written zinc/neoprene acceptance and a seven-day cured sample required.

Cut list

One of each ID. Length follows the allocated grain. Rough blanks include trimming; finished sizes describe the reference assembly. V-parts represent the whole cured veneer system. Hardware and glass remain sample/field-controlled; underlay thickness is a receiving input.

Part	Rough length × width	Finished length × width × thickness
P01 · Floor	96 1/8 in (2441.58 mm) × 24 1/16 in (611.19 mm)	96 in (2438.4 mm) × 24 in (609.6 mm) × 45/64 in (17.86 mm)
P02 · Removable roof	96 1/8 in (2441.58 mm) × 24 1/16 in (611.19 mm)	96 in (2438.4 mm) × 24 in (609.6 mm) × 45/64 in (17.86 mm)
P03L · L wall	24 1/8 in (612.78 mm) × 22 21/32 in (575.47 mm)	24 in (609.6 mm) × 22 19/32 in (573.88 mm) × 45/64 in (17.86 mm)
P03R · R wall	24 1/8 in (612.78 mm) × 22 21/32 in (575.47 mm)	24 in (609.6 mm) × 22 19/32 in (573.88 mm) × 45/64 in (17.86 mm)
P04 · Back	94 23/32 in (2405.86 mm) × 22 21/32 in (575.47 mm)	94 19/32 in (2402.68 mm) × 22 19/32 in (573.88 mm) × 45/64 in (17.86 mm)
RB1 · Laminated substrate retaining board	94 23/32 in (2405.86 mm) × 6 3/16 in (157.16 mm)	94 19/32 in (2402.68 mm) × 6 1/8 in (155.58 mm) × 45/64 in (17.86 mm)
RB2 · Laminated substrate retaining board	94 23/32 in (2405.86 mm) × 6 3/16 in (157.16 mm)	94 19/32 in (2402.68 mm) × 6 1/8 in (155.58 mm) × 45/64 in (17.86 mm)
RB3 · Laminated substrate retaining board	94 23/32 in (2405.86 mm) × 6 3/16 in (157.16 mm)	94 19/32 in (2402.68 mm) × 6 1/8 in (155.58 mm) × 45/64 in (17.86 mm)
F0L · L jamb layer	16 19/32 in (421.48 mm) × 3 9/16 in (90.49 mm)	16 15/32 in (418.31 mm) × 3 1/2 in (88.9 mm) × 3/4 in (19.05 mm)
F0R · R jamb layer	16 19/32 in (421.48 mm) × 3 9/16 in (90.49 mm)	16 15/32 in (418.31 mm) × 3 1/2 in (88.9 mm) × 3/4 in (19.05 mm)

Cut list • continued

One of each ID. Length follows the allocated grain. Rough blanks include trimming; finished sizes describe the reference assembly. V-parts represent the whole cured veneer system. Hardware and glass remain sample/field-controlled; underlay thickness is a receiving input.

Part	Rough length × width	Finished length × width × thickness
F0T · Header layer	87 23/32 in (2228.06 mm) × 3 9/16 in (90.49 mm)	87 19/32 in (2224.88 mm) × 3 1/2 in (88.9 mm) × 3/4 in (19.05 mm)
F1L · L jamb layer	13 3/32 in (332.58 mm) × 3 9/16 in (90.49 mm)	12 31/32 in (329.41 mm) × 3 1/2 in (88.9 mm) × 3/4 in (19.05 mm)
F1R · R jamb layer	13 3/32 in (332.58 mm) × 3 9/16 in (90.49 mm)	12 31/32 in (329.41 mm) × 3 1/2 in (88.9 mm) × 3/4 in (19.05 mm)
F1T · Header layer	94 23/32 in (2405.86 mm) × 3 9/16 in (90.49 mm)	94 19/32 in (2402.68 mm) × 3 1/2 in (88.9 mm) × 3/4 in (19.05 mm)
CLB · L bottom cleat	21 5/16 in (541.34 mm) × 1 1/2 in (38.1 mm)	21 3/16 in (538.16 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
CLU · L rear upright	19 23/32 in (500.86 mm) × 1 1/2 in (38.1 mm)	19 19/32 in (497.68 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
CLT · L upper cleat	21 59/64 in (556.82 mm) × 1 1/2 in (38.1 mm)	21 51/64 in (553.64 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
CRB · R bottom cleat	21 5/16 in (541.34 mm) × 1 1/2 in (38.1 mm)	21 3/16 in (538.16 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
CRU · R rear upright	19 23/32 in (500.86 mm) × 1 1/2 in (38.1 mm)	19 19/32 in (497.68 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
CRT · R upper cleat	21 59/64 in (556.82 mm) × 1 1/2 in (38.1 mm)	21 51/64 in (553.64 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)

Cut list · continued

One of each ID. Length follows the allocated grain. Rough blanks include trimming; finished sizes describe the reference assembly. V-parts represent the whole cured veneer system. Hardware and glass remain sample/field-controlled; underlay thickness is a receiving input.

Part	Rough length × width	Finished length × width × thickness
CF · Front floor cleat	91 23/32 in (2329.66 mm) × 1 1/2 in (38.1 mm)	91 19/32 in (2326.48 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
CB · Back floor cleat	91 23/32 in (2329.66 mm) × 1 1/2 in (38.1 mm)	91 19/32 in (2326.48 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
CT · Back upper cleat	91 23/32 in (2329.66 mm) × 1 1/2 in (38.1 mm)	91 19/32 in (2326.48 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
CR1 · Roof web rib	20 27/64 in (518.72 mm) × 1 1/2 in (38.1 mm)	20 19/64 in (515.54 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
CR2 · Roof web rib	20 27/64 in (518.72 mm) × 1 1/2 in (38.1 mm)	20 19/64 in (515.54 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
CR3 · Roof web rib	20 27/64 in (518.72 mm) × 1 1/2 in (38.1 mm)	20 19/64 in (515.54 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
ML · L ventilation mesh	13 in (330.2 mm) × 4 in (101.6 mm)	13 in (330.2 mm) × 4 in (101.6 mm) × 0.082 in (2.08 mm)
VLB · Vent capture strip	14 1/8 in (358.78 mm) × 1 1/16 in (26.99 mm)	14 in (355.6 mm) × 1 in (25.4 mm) × 3/8 in (9.53 mm)
VLT · Vent capture strip	14 1/8 in (358.78 mm) × 1 1/16 in (26.99 mm)	14 in (355.6 mm) × 1 in (25.4 mm) × 3/8 in (9.53 mm)
VLF · Vent end strip	3 1/8 in (79.38 mm) × 1 1/16 in (26.99 mm)	3 in (76.2 mm) × 1 in (25.4 mm) × 3/8 in (9.53 mm)

Cut list · continued

One of each ID. Length follows the allocated grain. Rough blanks include trimming; finished sizes describe the reference assembly. V-parts represent the whole cured veneer system. Hardware and glass remain sample/field-controlled; underlay thickness is a receiving input.

Part	Rough length × width	Finished length × width × thickness
VLA · Vent end strip	3 1/8 in (79.38 mm) × 1 1/16 in (26.99 mm)	3 in (76.2 mm) × 1 in (25.4 mm) × 3/8 in (9.53 mm)
MR · R ventilation mesh	13 in (330.2 mm) × 4 in (101.6 mm)	13 in (330.2 mm) × 4 in (101.6 mm) × 0.082 in (2.08 mm)
VRB · Vent capture strip	14 1/8 in (358.78 mm) × 1 1/16 in (26.99 mm)	14 in (355.6 mm) × 1 in (25.4 mm) × 3/8 in (9.53 mm)
VRT · Vent capture strip	14 1/8 in (358.78 mm) × 1 1/16 in (26.99 mm)	14 in (355.6 mm) × 1 in (25.4 mm) × 3/8 in (9.53 mm)
VRF · Vent end strip	3 1/8 in (79.38 mm) × 1 1/16 in (26.99 mm)	3 in (76.2 mm) × 1 in (25.4 mm) × 3/8 in (9.53 mm)
VRA · Vent end strip	3 1/8 in (79.38 mm) × 1 1/16 in (26.99 mm)	3 in (76.2 mm) × 1 in (25.4 mm) × 3/8 in (9.53 mm)
MTL · Roof mesh	19 in (482.6 mm) × 17 in (431.8 mm)	19 in (482.6 mm) × 17 in (431.8 mm) × 0.082 in (2.08 mm)
RTLf · Roof mesh capture strip	20 1/8 in (511.18 mm) × 1 1/16 in (26.99 mm)	20 in (508 mm) × 1 in (25.4 mm) × 3/8 in (9.53 mm)
RTLA · Roof mesh capture strip	20 1/8 in (511.18 mm) × 1 1/16 in (26.99 mm)	20 in (508 mm) × 1 in (25.4 mm) × 3/8 in (9.53 mm)
RTLL · Roof mesh side strip	16 1/8 in (409.58 mm) × 1 1/16 in (26.99 mm)	16 in (406.4 mm) × 1 in (25.4 mm) × 3/8 in (9.53 mm)

Cut list · continued

One of each ID. Length follows the allocated grain. Rough blanks include trimming; finished sizes describe the reference assembly. V-parts represent the whole cured veneer system. Hardware and glass remain sample/field-controlled; underlay thickness is a receiving input.

Part	Rough length × width	Finished length × width × thickness
RTLRL · Roof mesh side strip	16 1/8 in (409.58 mm) × 1 1/16 in (26.99 mm)	16 in (406.4 mm) × 1 in (25.4 mm) × 3/8 in (9.53 mm)
MTM · Roof mesh	19 in (482.6 mm) × 17 in (431.8 mm)	19 in (482.6 mm) × 17 in (431.8 mm) × 0.082 in (2.08 mm)
RTMFL · Roof mesh capture strip	20 1/8 in (511.18 mm) × 1 1/16 in (26.99 mm)	20 in (508 mm) × 1 in (25.4 mm) × 3/8 in (9.53 mm)
RTMA · Roof mesh capture strip	20 1/8 in (511.18 mm) × 1 1/16 in (26.99 mm)	20 in (508 mm) × 1 in (25.4 mm) × 3/8 in (9.53 mm)
RTML · Roof mesh side strip	16 1/8 in (409.58 mm) × 1 1/16 in (26.99 mm)	16 in (406.4 mm) × 1 in (25.4 mm) × 3/8 in (9.53 mm)
RTMR · Roof mesh side strip	16 1/8 in (409.58 mm) × 1 1/16 in (26.99 mm)	16 in (406.4 mm) × 1 in (25.4 mm) × 3/8 in (9.53 mm)
MTN · Roof mesh	19 in (482.6 mm) × 17 in (431.8 mm)	19 in (482.6 mm) × 17 in (431.8 mm) × 0.082 in (2.08 mm)
RTNFL · Roof mesh capture strip	20 1/8 in (511.18 mm) × 1 1/16 in (26.99 mm)	20 in (508 mm) × 1 in (25.4 mm) × 3/8 in (9.53 mm)
RTNA · Roof mesh capture strip	20 1/8 in (511.18 mm) × 1 1/16 in (26.99 mm)	20 in (508 mm) × 1 in (25.4 mm) × 3/8 in (9.53 mm)
RTNL · Roof mesh side strip	16 1/8 in (409.58 mm) × 1 1/16 in (26.99 mm)	16 in (406.4 mm) × 1 in (25.4 mm) × 3/8 in (9.53 mm)

Cut list · continued

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Part	Rough length × width	Finished length × width × thickness
RTNR · Roof mesh side strip	16 1/8 in (409.58 mm) × 1 1/16 in (26.99 mm)	16 in (406.4 mm) × 1 in (25.4 mm) × 3/8 in (9.53 mm)
MTR · Roof mesh	19 in (482.6 mm) × 17 in (431.8 mm)	19 in (482.6 mm) × 17 in (431.8 mm) × 0.082 in (2.08 mm)
RTRF · Roof mesh capture strip	20 1/8 in (511.18 mm) × 1 1/16 in (26.99 mm)	20 in (508 mm) × 1 in (25.4 mm) × 3/8 in (9.53 mm)
RTRA · Roof mesh capture strip	20 1/8 in (511.18 mm) × 1 1/16 in (26.99 mm)	20 in (508 mm) × 1 in (25.4 mm) × 3/8 in (9.53 mm)
RTRL · Roof mesh side strip	16 1/8 in (409.58 mm) × 1 1/16 in (26.99 mm)	16 in (406.4 mm) × 1 in (25.4 mm) × 3/8 in (9.53 mm)
RTRR · Roof mesh side strip	16 1/8 in (409.58 mm) × 1 1/16 in (26.99 mm)	16 in (406.4 mm) × 1 in (25.4 mm) × 3/8 in (9.53 mm)
LCL · Liner side clamp	17.1525 in (435.67 mm) × 9/16 in (14.29 mm)	17.0275 in (432.5 mm) × 1/2 in (12.7 mm) × 3/8 in (9.53 mm)
LCR · Liner side clamp	17.1525 in (435.67 mm) × 9/16 in (14.29 mm)	17.0275 in (432.5 mm) × 1/2 in (12.7 mm) × 3/8 in (9.53 mm)
LCF1 · Liner clamp between posts	20.261875 in (514.65 mm) × 9/16 in (14.29 mm)	20.136875 in (511.48 mm) × 1/2 in (12.7 mm) × 3/8 in (9.53 mm)
LCF2 · Liner clamp between posts	21.715 in (551.56 mm) × 9/16 in (14.29 mm)	21.59 in (548.39 mm) × 1/2 in (12.7 mm) × 3/8 in (9.53 mm)

Cut list • continued

One of each ID. Length follows the allocated grain. Rough blanks include trimming; finished sizes describe the reference assembly. V-parts represent the whole cured veneer system. Hardware and glass remain sample/field-controlled; underlay thickness is a receiving input.

Part	Rough length × width	Finished length × width × thickness
LCF3 · Liner clamp between posts	21.715 in (551.56 mm) × 9/16 in (14.29 mm)	21.59 in (548.39 mm) × 1/2 in (12.7 mm) × 3/8 in (9.53 mm)
LCF4 · Liner clamp between posts	20.261875 in (514.65 mm) × 9/16 in (14.29 mm)	20.136875 in (511.48 mm) × 1/2 in (12.7 mm) × 3/8 in (9.53 mm)
LCB1 · Liner clamp between posts	20.261875 in (514.65 mm) × 9/16 in (14.29 mm)	20.136875 in (511.48 mm) × 1/2 in (12.7 mm) × 3/8 in (9.53 mm)
LCB2 · Liner clamp between posts	21.715 in (551.56 mm) × 9/16 in (14.29 mm)	21.59 in (548.39 mm) × 1/2 in (12.7 mm) × 3/8 in (9.53 mm)
LCB3 · Liner clamp between posts	21.715 in (551.56 mm) × 9/16 in (14.29 mm)	21.59 in (548.39 mm) × 1/2 in (12.7 mm) × 3/8 in (9.53 mm)
LCB4 · Liner clamp between posts	20.261875 in (514.65 mm) × 9/16 in (14.29 mm)	20.136875 in (511.48 mm) × 1/2 in (12.7 mm) × 3/8 in (9.53 mm)
LCQL · Liner post-face clamp	1 1/2 in (38.1 mm) × 9/16 in (14.29 mm)	1 3/8 in (34.93 mm) × 1/2 in (12.7 mm) × 3/8 in (9.53 mm)
LCQ1 · Liner post-face clamp	1 5/8 in (41.28 mm) × 9/16 in (14.29 mm)	1 1/2 in (38.1 mm) × 1/2 in (12.7 mm) × 3/8 in (9.53 mm)
LCQ2 · Liner post-face clamp	1 5/8 in (41.28 mm) × 9/16 in (14.29 mm)	1 1/2 in (38.1 mm) × 1/2 in (12.7 mm) × 3/8 in (9.53 mm)
LCQ3 · Liner post-face clamp	1 5/8 in (41.28 mm) × 9/16 in (14.29 mm)	1 1/2 in (38.1 mm) × 1/2 in (12.7 mm) × 3/8 in (9.53 mm)

Cut list · continued

One of each ID. Length follows the allocated grain. Rough blanks include trimming; finished sizes describe the reference assembly. V-parts represent the whole cured veneer system. Hardware and glass remain sample/field-controlled; underlay thickness is a receiving input.

Part	Rough length × width	Finished length × width × thickness
LCQR · Liner post-face clamp	1 1/2 in (38.1 mm) × 9/16 in (14.29 mm)	1 3/8 in (34.93 mm) × 1/2 in (12.7 mm) × 3/8 in (9.53 mm)
LCPL · Liner post-face clamp	1 1/2 in (38.1 mm) × 9/16 in (14.29 mm)	1 3/8 in (34.93 mm) × 1/2 in (12.7 mm) × 3/8 in (9.53 mm)
LCP1 · Liner post-face clamp	1 5/8 in (41.28 mm) × 9/16 in (14.29 mm)	1 1/2 in (38.1 mm) × 1/2 in (12.7 mm) × 3/8 in (9.53 mm)
LCP2 · Liner post-face clamp	1 5/8 in (41.28 mm) × 9/16 in (14.29 mm)	1 1/2 in (38.1 mm) × 1/2 in (12.7 mm) × 3/8 in (9.53 mm)
LCP3 · Liner post-face clamp	1 5/8 in (41.28 mm) × 9/16 in (14.29 mm)	1 1/2 in (38.1 mm) × 1/2 in (12.7 mm) × 3/8 in (9.53 mm)
LCPR · Liner post-face clamp	1 1/2 in (38.1 mm) × 9/16 in (14.29 mm)	1 3/8 in (34.93 mm) × 1/2 in (12.7 mm) × 3/8 in (9.53 mm)
CFL · Front retainer post	4 3/4 in (120.65 mm) × 1 1/2 in (38.1 mm)	4 5/8 in (117.48 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
CF1 · Front retainer post	4 3/4 in (120.65 mm) × 1 1/2 in (38.1 mm)	4 5/8 in (117.48 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
CF2 · Front retainer post	4 3/4 in (120.65 mm) × 1 1/2 in (38.1 mm)	4 5/8 in (117.48 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
CF3 · Front retainer post	4 3/4 in (120.65 mm) × 1 1/2 in (38.1 mm)	4 5/8 in (117.48 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)

Cut list • continued

One of each ID. Length follows the allocated grain. Rough blanks include trimming; finished sizes describe the reference assembly. V-parts represent the whole cured veneer system. Hardware and glass remain sample/field-controlled; underlay thickness is a receiving input.

Part	Rough length × width	Finished length × width × thickness
CFR · Front retainer post	4 3/4 in (120.65 mm) × 1 1/2 in (38.1 mm)	4 5/8 in (117.48 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
CM1 · Intermediate back upright	19 23/32 in (500.86 mm) × 1 1/2 in (38.1 mm)	19 19/32 in (497.68 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
CM2 · Intermediate back upright	19 23/32 in (500.86 mm) × 1 1/2 in (38.1 mm)	19 19/32 in (497.68 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
CM3 · Intermediate back upright	19 23/32 in (500.86 mm) × 1 1/2 in (38.1 mm)	19 19/32 in (497.68 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
V-floor-under · Veneer · floor-under	96.561 in (2452.65 mm) × 24.561 in (623.85 mm)	96.061 in (2439.95 mm) × 24.061 in (611.15 mm) × 0.0305 in (0.77 mm)
V-roof-top · Veneer · roof-top	96.561 in (2452.65 mm) × 24.561 in (623.85 mm)	96.061 in (2439.95 mm) × 24.061 in (611.15 mm) × 0.0305 in (0.77 mm)
V-P01-front · Veneer · P01-front	96.561 in (2452.65 mm) × 1 13/64 in (30.56 mm)	96.061 in (2439.95 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P01-back · Veneer · P01-back	96.561 in (2452.65 mm) × 1 13/64 in (30.56 mm)	96.061 in (2439.95 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P01-left · Veneer · P01-left	24 1/2 in (622.3 mm) × 1 13/64 in (30.56 mm)	24 in (609.6 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P01-right · Veneer · P01-right	24 1/2 in (622.3 mm) × 1 13/64 in (30.56 mm)	24 in (609.6 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)

Cut list · continued

One of each ID. Length follows the allocated grain. Rough blanks include trimming; finished sizes describe the reference assembly. V-parts represent the whole cured veneer system. Hardware and glass remain sample/field-controlled; underlay thickness is a receiving input.

Part	Rough length × width	Finished length × width × thickness
V-P02-front · Veneer · P02-front	96.561 in (2452.65 mm) × 1 13/64 in (30.56 mm)	96.061 in (2439.95 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P02-back · Veneer · P02-back	96.561 in (2452.65 mm) × 1 13/64 in (30.56 mm)	96.061 in (2439.95 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P02-left · Veneer · P02-left	24 1/2 in (622.3 mm) × 1 13/64 in (30.56 mm)	24 in (609.6 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P02-right · Veneer · P02-right	24 1/2 in (622.3 mm) × 1 13/64 in (30.56 mm)	24 in (609.6 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P03L-face · Veneer · P03L-face	23 3/32 in (586.58 mm) × 24 1/2 in (622.3 mm)	22 19/32 in (573.88 mm) × 24 in (609.6 mm) × 0.0305 in (0.77 mm)
V-P03L-front · Veneer · P03L-front	23 3/32 in (586.58 mm) × 1.233625 in (31.33 mm)	22 19/32 in (573.88 mm) × 0.733625 in (18.63 mm) × 0.0305 in (0.77 mm)
V-P03L-back · Veneer · P03L-back	23 3/32 in (586.58 mm) × 1.233625 in (31.33 mm)	22 19/32 in (573.88 mm) × 0.733625 in (18.63 mm) × 0.0305 in (0.77 mm)
V-P03L-vent-near · Veneer · P03L-vent-near	3.439 in (87.35 mm) × 1 13/64 in (30.56 mm)	2.939 in (74.65 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P03L-vent-far · Veneer · P03L-vent-far	3.439 in (87.35 mm) × 1 13/64 in (30.56 mm)	2.939 in (74.65 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P03L-vent-bottom · Veneer · P03L-vent-bottom	12 1/2 in (317.5 mm) × 1 13/64 in (30.56 mm)	12 in (304.8 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)

Cut list · continued

One of each ID. Length follows the allocated grain. Rough blanks include trimming; finished sizes describe the reference assembly. V-parts represent the whole cured veneer system. Hardware and glass remain sample/field-controlled; underlay thickness is a receiving input.

Part	Rough length × width	Finished length × width × thickness
V-P03L-vent-top · Veneer · P03L-vent-top	12 1/2 in (317.5 mm) × 1 13/64 in (30.56 mm)	12 in (304.8 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P03R-face · Veneer · P03R-face	23 3/32 in (586.58 mm) × 24 1/2 in (622.3 mm)	22 19/32 in (573.88 mm) × 24 in (609.6 mm) × 0.0305 in (0.77 mm)
V-P03R-front · Veneer · P03R-front	23 3/32 in (586.58 mm) × 1.233625 in (31.33 mm)	22 19/32 in (573.88 mm) × 0.733625 in (18.63 mm) × 0.0305 in (0.77 mm)
V-P03R-back · Veneer · P03R-back	23 3/32 in (586.58 mm) × 1.233625 in (31.33 mm)	22 19/32 in (573.88 mm) × 0.733625 in (18.63 mm) × 0.0305 in (0.77 mm)
V-P03R-vent-near · Veneer · P03R-vent-near	3.439 in (87.35 mm) × 1 13/64 in (30.56 mm)	2.939 in (74.65 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P03R-vent-far · Veneer · P03R-vent-far	3.439 in (87.35 mm) × 1 13/64 in (30.56 mm)	2.939 in (74.65 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P03R-vent-bottom · Veneer · P03R-vent-bottom	12 1/2 in (317.5 mm) × 1 13/64 in (30.56 mm)	12 in (304.8 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P03R-vent-top · Veneer · P03R-vent-top	12 1/2 in (317.5 mm) × 1 13/64 in (30.56 mm)	12 in (304.8 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-back · Veneer · back	95 3/32 in (2415.38 mm) × 23 3/32 in (586.58 mm)	94 19/32 in (2402.68 mm) × 22 19/32 in (573.88 mm) × 0.0305 in (0.77 mm)
V-RB1-front · Veneer · RB1-front	95 3/32 in (2415.38 mm) × 6 5/8 in (168.28 mm)	94 19/32 in (2402.68 mm) × 6 1/8 in (155.58 mm) × 0.0305 in (0.77 mm)

Cut list · continued

One of each ID. Length follows the allocated grain. Rough blanks include trimming; finished sizes describe the reference assembly. V-parts represent the whole cured veneer system. Hardware and glass remain sample/field-controlled; underlay thickness is a receiving input.

Part	Rough length × width	Finished length × width × thickness
V-F0L-front · Veneer · F0L-front	16 31/32 in (431.01 mm) × 4 in (101.6 mm)	16 15/32 in (418.31 mm) × 3 1/2 in (88.9 mm) × 0.0305 in (0.77 mm)
V-F0R-front · Veneer · F0R-front	16 31/32 in (431.01 mm) × 4 in (101.6 mm)	16 15/32 in (418.31 mm) × 3 1/2 in (88.9 mm) × 0.0305 in (0.77 mm)
V-F0T-front · Veneer · F0T-front	88 3/32 in (2237.58 mm) × 4 in (101.6 mm)	87 19/32 in (2224.88 mm) × 3 1/2 in (88.9 mm) × 0.0305 in (0.77 mm)
V-opening-left · Veneer · opening-left	13 15/32 in (342.11 mm) × 2 in (50.8 mm)	12 31/32 in (329.41 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-opening-right · Veneer · opening-right	13 15/32 in (342.11 mm) × 2 in (50.8 mm)	12 31/32 in (329.41 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-opening-upper · Veneer · opening-upper	88.03275 in (2236.03 mm) × 2 in (50.8 mm)	87.53275 in (2223.33 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-retainer-top · Veneer · retainer-top	88.03275 in (2236.03 mm) × 2 39/64 in (66.28 mm)	87.53275 in (2223.33 mm) × 2 7/64 in (53.58 mm) × 0.0305 in (0.77 mm)
V-roof-6-left · Veneer · roof-6-left	16.439 in (417.55 mm) × 1 13/64 in (30.56 mm)	15.939 in (404.85 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-roof-6-right · Veneer · roof-6-right	16.439 in (417.55 mm) × 1 13/64 in (30.56 mm)	15.939 in (404.85 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-roof-6-front · Veneer · roof-6-front	18 1/2 in (469.9 mm) × 1 13/64 in (30.56 mm)	18 in (457.2 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)

Cut list · continued

One of each ID. Length follows the allocated grain. Rough blanks include trimming; finished sizes describe the reference assembly. V-parts represent the whole cured veneer system. Hardware and glass remain sample/field-controlled; underlay thickness is a receiving input.

Part	Rough length × width	Finished length × width × thickness
V-roof-6-back · Veneer · roof-6-back	18 1/2 in (469.9 mm) × 1 13/64 in (30.56 mm)	18 in (457.2 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-roof-28-left · Veneer · roof-28-left	16.439 in (417.55 mm) × 1 13/64 in (30.56 mm)	15.939 in (404.85 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-roof-28-right · Veneer · roof-28-right	16.439 in (417.55 mm) × 1 13/64 in (30.56 mm)	15.939 in (404.85 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-roof-28-front · Veneer · roof-28-front	18 1/2 in (469.9 mm) × 1 13/64 in (30.56 mm)	18 in (457.2 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-roof-28-back · Veneer · roof-28-back	18 1/2 in (469.9 mm) × 1 13/64 in (30.56 mm)	18 in (457.2 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-roof-50-left · Veneer · roof-50-left	16.439 in (417.55 mm) × 1 13/64 in (30.56 mm)	15.939 in (404.85 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-roof-50-right · Veneer · roof-50-right	16.439 in (417.55 mm) × 1 13/64 in (30.56 mm)	15.939 in (404.85 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-roof-50-front · Veneer · roof-50-front	18 1/2 in (469.9 mm) × 1 13/64 in (30.56 mm)	18 in (457.2 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-roof-50-back · Veneer · roof-50-back	18 1/2 in (469.9 mm) × 1 13/64 in (30.56 mm)	18 in (457.2 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-roof-72-left · Veneer · roof-72-left	16.439 in (417.55 mm) × 1 13/64 in (30.56 mm)	15.939 in (404.85 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)

Cut list · continued

One of each ID. Length follows the allocated grain. Rough blanks include trimming; finished sizes describe the reference assembly. V-parts represent the whole cured veneer system. Hardware and glass remain sample/field-controlled; underlay thickness is a receiving input.

Part	Rough length × width	Finished length × width × thickness
V-roof-72-right · Veneer · roof-72-right	16.439 in (417.55 mm) × 1 13/64 in (30.56 mm)	15.939 in (404.85 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-roof-72-front · Veneer · roof-72-front	18 1/2 in (469.9 mm) × 1 13/64 in (30.56 mm)	18 in (457.2 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-roof-72-back · Veneer · roof-72-back	18 1/2 in (469.9 mm) × 1 13/64 in (30.56 mm)	18 in (457.2 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-VLB-outer · Veneer · VLB-outer	14.561 in (369.85 mm) × 1.561 in (39.65 mm)	14.061 in (357.15 mm) × 1.061 in (26.95 mm) × 0.0305 in (0.77 mm)
V-VLB-low · Veneer · VLB-low	14 1/2 in (368.3 mm) × 7/8 in (22.23 mm)	14 in (355.6 mm) × 3/8 in (9.53 mm) × 0.0305 in (0.77 mm)
V-VLB-high · Veneer · VLB-high	14 1/2 in (368.3 mm) × 7/8 in (22.23 mm)	14 in (355.6 mm) × 3/8 in (9.53 mm) × 0.0305 in (0.77 mm)
V-VLB-near · Veneer · VLB-near	1.561 in (39.65 mm) × 7/8 in (22.23 mm)	1.061 in (26.95 mm) × 3/8 in (9.53 mm) × 0.0305 in (0.77 mm)
V-VLB-far · Veneer · VLB-far	1.561 in (39.65 mm) × 7/8 in (22.23 mm)	1.061 in (26.95 mm) × 3/8 in (9.53 mm) × 0.0305 in (0.77 mm)
V-VLT-outer · Veneer · VLT-outer	14.561 in (369.85 mm) × 1.561 in (39.65 mm)	14.061 in (357.15 mm) × 1.061 in (26.95 mm) × 0.0305 in (0.77 mm)
V-VLT-low · Veneer · VLT-low	14 1/2 in (368.3 mm) × 7/8 in (22.23 mm)	14 in (355.6 mm) × 3/8 in (9.53 mm) × 0.0305 in (0.77 mm)

Cut list · continued

One of each ID. Length follows the allocated grain. Rough blanks include trimming; finished sizes describe the reference assembly. V-parts represent the whole cured veneer system. Hardware and glass remain sample/field-controlled; underlay thickness is a receiving input.

Part	Rough length × width	Finished length × width × thickness
V-VLT-high · Veneer · VLT-high	14 1/2 in (368.3 mm) × 7/8 in (22.23 mm)	14 in (355.6 mm) × 3/8 in (9.53 mm) × 0.0305 in (0.77 mm)
V-VLT-near · Veneer · VLT-near	1.561 in (39.65 mm) × 7/8 in (22.23 mm)	1.061 in (26.95 mm) × 3/8 in (9.53 mm) × 0.0305 in (0.77 mm)
V-VLT-far · Veneer · VLT-far	1.561 in (39.65 mm) × 7/8 in (22.23 mm)	1.061 in (26.95 mm) × 3/8 in (9.53 mm) × 0.0305 in (0.77 mm)
V-VLF-outer · Veneer · VLF-outer	3.439 in (87.35 mm) × 1.561 in (39.65 mm)	2.939 in (74.65 mm) × 1.061 in (26.95 mm) × 0.0305 in (0.77 mm)
V-VLF-near · Veneer · VLF-near	3 1/2 in (88.9 mm) × 7/8 in (22.23 mm)	3 in (76.2 mm) × 3/8 in (9.53 mm) × 0.0305 in (0.77 mm)
V-VLF-far · Veneer · VLF-far	3 1/2 in (88.9 mm) × 7/8 in (22.23 mm)	3 in (76.2 mm) × 3/8 in (9.53 mm) × 0.0305 in (0.77 mm)
V-VLA-outer · Veneer · VLA-outer	3.439 in (87.35 mm) × 1.561 in (39.65 mm)	2.939 in (74.65 mm) × 1.061 in (26.95 mm) × 0.0305 in (0.77 mm)
V-VLA-near · Veneer · VLA-near	3 1/2 in (88.9 mm) × 7/8 in (22.23 mm)	3 in (76.2 mm) × 3/8 in (9.53 mm) × 0.0305 in (0.77 mm)
V-VLA-far · Veneer · VLA-far	3 1/2 in (88.9 mm) × 7/8 in (22.23 mm)	3 in (76.2 mm) × 3/8 in (9.53 mm) × 0.0305 in (0.77 mm)
V-VRB-outer · Veneer · VRB-outer	14.561 in (369.85 mm) × 1.561 in (39.65 mm)	14.061 in (357.15 mm) × 1.061 in (26.95 mm) × 0.0305 in (0.77 mm)

Cut list · continued

One of each ID. Length follows the allocated grain. Rough blanks include trimming; finished sizes describe the reference assembly. V-parts represent the whole cured veneer system. Hardware and glass remain sample/field-controlled; underlay thickness is a receiving input.

Part	Rough length × width	Finished length × width × thickness
V-VRB-low · Veneer · VRB-low	14 1/2 in (368.3 mm) × 7/8 in (22.23 mm)	14 in (355.6 mm) × 3/8 in (9.53 mm) × 0.0305 in (0.77 mm)
V-VRB-high · Veneer · VRB-high	14 1/2 in (368.3 mm) × 7/8 in (22.23 mm)	14 in (355.6 mm) × 3/8 in (9.53 mm) × 0.0305 in (0.77 mm)
V-VRB-near · Veneer · VRB-near	1.561 in (39.65 mm) × 7/8 in (22.23 mm)	1.061 in (26.95 mm) × 3/8 in (9.53 mm) × 0.0305 in (0.77 mm)
V-VRB-far · Veneer · VRB-far	1.561 in (39.65 mm) × 7/8 in (22.23 mm)	1.061 in (26.95 mm) × 3/8 in (9.53 mm) × 0.0305 in (0.77 mm)
V-VRT-outer · Veneer · VRT-outer	14.561 in (369.85 mm) × 1.561 in (39.65 mm)	14.061 in (357.15 mm) × 1.061 in (26.95 mm) × 0.0305 in (0.77 mm)
V-VRT-low · Veneer · VRT-low	14 1/2 in (368.3 mm) × 7/8 in (22.23 mm)	14 in (355.6 mm) × 3/8 in (9.53 mm) × 0.0305 in (0.77 mm)
V-VRT-high · Veneer · VRT-high	14 1/2 in (368.3 mm) × 7/8 in (22.23 mm)	14 in (355.6 mm) × 3/8 in (9.53 mm) × 0.0305 in (0.77 mm)
V-VRT-near · Veneer · VRT-near	1.561 in (39.65 mm) × 7/8 in (22.23 mm)	1.061 in (26.95 mm) × 3/8 in (9.53 mm) × 0.0305 in (0.77 mm)
V-VRT-far · Veneer · VRT-far	1.561 in (39.65 mm) × 7/8 in (22.23 mm)	1.061 in (26.95 mm) × 3/8 in (9.53 mm) × 0.0305 in (0.77 mm)
V-VRF-outer · Veneer · VRF-outer	3.439 in (87.35 mm) × 1.561 in (39.65 mm)	2.939 in (74.65 mm) × 1.061 in (26.95 mm) × 0.0305 in (0.77 mm)

Cut list • continued

One of each ID. Length follows the allocated grain. Rough blanks include trimming; finished sizes describe the reference assembly. V-parts represent the whole cured veneer system. Hardware and glass remain sample/field-controlled; underlay thickness is a receiving input.

Part	Rough length × width	Finished length × width × thickness
V-VRF-near · Veneer · VRF-near	3 1/2 in (88.9 mm) × 7/8 in (22.23 mm)	3 in (76.2 mm) × 3/8 in (9.53 mm) × 0.0305 in (0.77 mm)
V-VRF-far · Veneer · VRF-far	3 1/2 in (88.9 mm) × 7/8 in (22.23 mm)	3 in (76.2 mm) × 3/8 in (9.53 mm) × 0.0305 in (0.77 mm)
V-VRA-outer · Veneer · VRA-outer	3.439 in (87.35 mm) × 1.561 in (39.65 mm)	2.939 in (74.65 mm) × 1.061 in (26.95 mm) × 0.0305 in (0.77 mm)
V-VRA-near · Veneer · VRA-near	3 1/2 in (88.9 mm) × 7/8 in (22.23 mm)	3 in (76.2 mm) × 3/8 in (9.53 mm) × 0.0305 in (0.77 mm)
V-VRA-far · Veneer · VRA-far	3 1/2 in (88.9 mm) × 7/8 in (22.23 mm)	3 in (76.2 mm) × 3/8 in (9.53 mm) × 0.0305 in (0.77 mm)
TRACK-T · KV993 Roll-Ezy upper channel	87 15/32 in (2221.71 mm) × 1 in (25.4 mm)	87 11/32 in (2218.53 mm) × 15/16 in (23.81 mm) × 5/8 in (15.88 mm)
JAMBL · KV993 vertical jamb receiver	11 13/32 in (289.72 mm) × 1 in (25.4 mm)	11 9/32 in (286.54 mm) × 5/8 in (15.88 mm) × 15/16 in (23.81 mm)
JAMBR · KV993 vertical jamb receiver	11 13/32 in (289.72 mm) × 1 in (25.4 mm)	11 9/32 in (286.54 mm) × 5/8 in (15.88 mm) × 15/16 in (23.81 mm)
TRACK-B · KV999 Roll-Ezy lower track	87 15/32 in (2221.71 mm) × 1 in (25.4 mm)	87 11/32 in (2218.53 mm) × 1 in (25.4 mm) × 1 in (25.4 mm)
HL · KV995 glass shoe	44.293875 in (1125.06 mm) × 1 in (25.4 mm)	44.168875 in (1121.89 mm) × 21/64 in (8.33 mm) × 7/16 in (11.11 mm)

Cut list · continued

One of each ID. Length follows the allocated grain. Rough blanks include trimming; finished sizes describe the reference assembly. V-parts represent the whole cured veneer system. Hardware and glass remain sample/field-controlled; underlay thickness is a receiving input.

Part	Rough length × width	Finished length × width × thickness
HR · KV995 glass shoe	44.293875 in (1125.06 mm) × 1 in (25.4 mm)	44.168875 in (1121.89 mm) × 21/64 in (8.33 mm) × 7/16 in (11.11 mm)
CARRIERL · KV997 free rolling ball carrier	65.8783125 in (1673.31 mm) × 1 in (25.4 mm)	65.7533125 in (1670.13 mm) × 3/8 in (9.53 mm) × 17/32 in (13.49 mm)
CARRIERR · KV997 free rolling ball carrier	65.8783125 in (1673.31 mm) × 1 in (25.4 mm)	65.7533125 in (1670.13 mm) × 3/8 in (9.53 mm) × 17/32 in (13.49 mm)
ALF1 · Removable HDPE anti-lift insert	21.9609375 in (557.81 mm) × 7/16 in (11.11 mm)	21.8359375 in (554.63 mm) × 5/16 in (7.94 mm) × 11/32 in (8.73 mm)
ALF2 · Removable HDPE anti-lift insert	21.9609375 in (557.81 mm) × 7/16 in (11.11 mm)	21.8359375 in (554.63 mm) × 5/16 in (7.94 mm) × 11/32 in (8.73 mm)
ALF3 · Removable HDPE anti-lift insert	21.9609375 in (557.81 mm) × 7/16 in (11.11 mm)	21.8359375 in (554.63 mm) × 5/16 in (7.94 mm) × 11/32 in (8.73 mm)
ALF4 · Removable HDPE anti-lift insert	21.9609375 in (557.81 mm) × 7/16 in (11.11 mm)	21.8359375 in (554.63 mm) × 5/16 in (7.94 mm) × 11/32 in (8.73 mm)
ALB1 · Removable HDPE anti-lift insert	21.9609375 in (557.81 mm) × 7/16 in (11.11 mm)	21.8359375 in (554.63 mm) × 5/16 in (7.94 mm) × 11/32 in (8.73 mm)
ALB2 · Removable HDPE anti-lift insert	21.9609375 in (557.81 mm) × 7/16 in (11.11 mm)	21.8359375 in (554.63 mm) × 5/16 in (7.94 mm) × 11/32 in (8.73 mm)
ALB3 · Removable HDPE anti-lift insert	21.9609375 in (557.81 mm) × 7/16 in (11.11 mm)	21.8359375 in (554.63 mm) × 5/16 in (7.94 mm) × 11/32 in (8.73 mm)

Cut list · continued

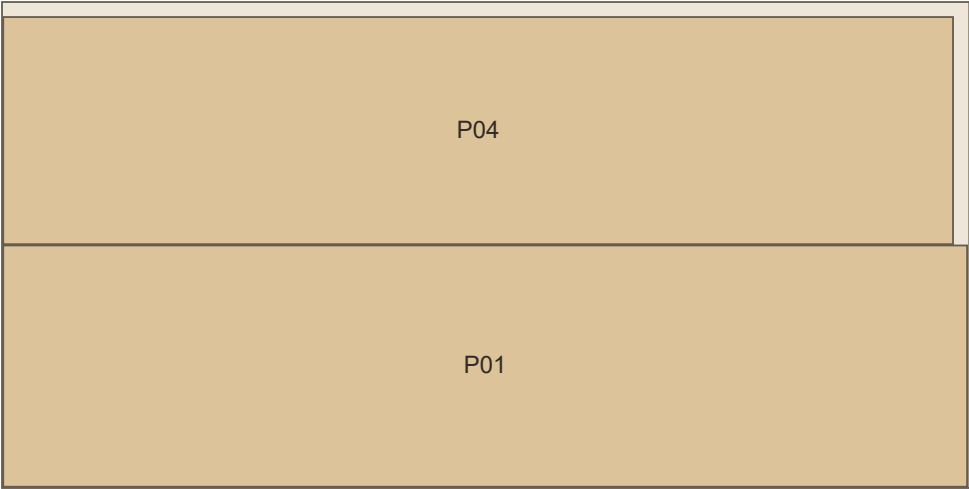
One of each ID. Length follows the allocated grain. Rough blanks include trimming; finished sizes describe the reference assembly. V-parts represent the whole cured veneer system. Hardware and glass remain sample/field-controlled; underlay thickness is a receiving input.

Part	Rough length × width	Finished length × width × thickness
ALB4 · Removable HDPE anti-lift insert	21.9609375 in (557.81 mm) × 7/16 in (11.11 mm)	21.8359375 in (554.63 mm) × 5/16 in (7.94 mm) × 11/32 in (8.73 mm)
STOPLF · Bond-retained neoprene jamb cushion	11 13/32 in (289.72 mm) × 0.405 in (10.29 mm)	11 9/32 in (286.54 mm) × 0.28 in (7.11 mm) × 1/16 in (1.59 mm)
STOPLB · Bond-retained neoprene jamb cushion	11 13/32 in (289.72 mm) × 0.405 in (10.29 mm)	11 9/32 in (286.54 mm) × 0.28 in (7.11 mm) × 1/16 in (1.59 mm)
STOPRF · Bond-retained neoprene jamb cushion	11 13/32 in (289.72 mm) × 0.405 in (10.29 mm)	11 9/32 in (286.54 mm) × 0.28 in (7.11 mm) × 1/16 in (1.59 mm)
STOPRB · Bond-retained neoprene jamb cushion	11 13/32 in (289.72 mm) × 0.405 in (10.29 mm)	11 9/32 in (286.54 mm) × 0.28 in (7.11 mm) × 1/16 in (1.59 mm)
LINER-BLANK · Uncut basin blank	120 in (3048 mm) × 48 in (1219.2 mm)	120 in (3048 mm) × 48 in (1219.2 mm) × 0.045 in (1.14 mm)
UNDERLAY-BLANK · Protective underlay blank	120 in (3048 mm) × 48 in (1219.2 mm)	120 in (3048 mm) × 48 in (1219.2 mm) × received compressed thickness; measure with liner
GL · Tempered glass leaf	44.168875 in (1121.89 mm) × 11 21/32 in (296.07 mm)	44.168875 in (1121.89 mm) × 11 21/32 in (296.07 mm) × 0.23622047 in (6 mm)
GR · Tempered glass leaf	44.168875 in (1121.89 mm) × 11 21/32 in (296.07 mm)	44.168875 in (1121.89 mm) × 11 21/32 in (296.07 mm) × 0.23622047 in (6 mm)

PLY-1 · rough-stock cutting plan

PLY-1 · rough-blank cutting layout

96.468 in (2450.29 mm) × 48.468 in (1231.09 mm) · PLY



Origin: lower LEFT · X / grain → · Y ↑

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
Specified perimeter trim 1/8 in (3.18 mm); blade kerf / separation 1/8 in (3.18 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

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

PLY-1 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

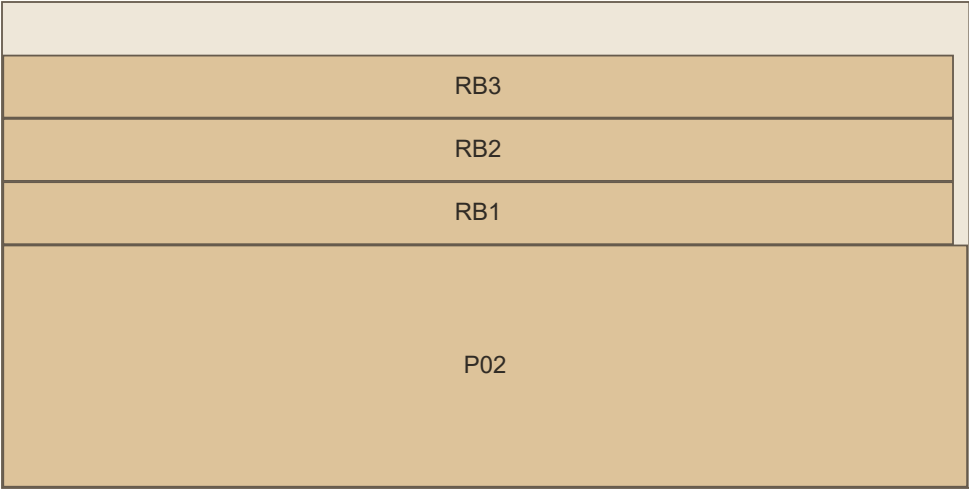
Part ID	Stock X / Y	Rough length × width
P01	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	96 1/8 in (2441.58 mm) × 24 1/16 in (611.19 mm)
P04	1/8 in (3.18 mm) / 24 5/16 in (617.54 mm)	94 23/32 in (2405.86 mm) × 22 21/32 in (575.47 mm)

Stock 96.468 in (2450.29 mm) × 48.468 in (1231.09 mm); perimeter trim 1/8 in (3.18 mm); kerf / separation 1/8 in (3.18 mm). Full cut order and offcuts are in the versioned specification.

PLY-2 · rough-stock cutting plan

PLY-2 · rough-blank cutting layout

96.468 in (2450.29 mm) × 48.468 in (1231.09 mm) · PLY



Origin: lower LEFT · X / grain → · Y ↑

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
Specified perimeter trim 1/8 in (3.18 mm); blade kerf / separation 1/8 in (3.18 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

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

PLY-2 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

Part ID	Stock X / Y	Rough length × width
P02	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	96 1/8 in (2441.58 mm) × 24 1/16 in (611.19 mm)
RB1	1/8 in (3.18 mm) / 24 5/16 in (617.54 mm)	94 23/32 in (2405.86 mm) × 6 3/16 in (157.16 mm)
RB2	1/8 in (3.18 mm) / 30 5/8 in (777.88 mm)	94 23/32 in (2405.86 mm) × 6 3/16 in (157.16 mm)
RB3	1/8 in (3.18 mm) / 36 15/16 in (938.21 mm)	94 23/32 in (2405.86 mm) × 6 3/16 in (157.16 mm)

Stock 96.468 in (2450.29 mm) × 48.468 in (1231.09 mm); perimeter trim 1/8 in (3.18 mm); kerf / separation 1/8 in (3.18 mm). Full cut order and offcuts are in the versioned specification.

PLY-3 · rough-stock cutting plan

PLY-3 · rough-blank cutting layout

96.468 in (2450.29 mm) × 48.468 in (1231.09 mm) · PLY



Origin: lower LEFT · X / grain → · Y ↑

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
Specified perimeter trim 1/8 in (3.18 mm); blade kerf / separation 1/8 in (3.18 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

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

PLY-3 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

Part ID	Stock X / Y	Rough length × width
P03L	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	24 1/8 in (612.78 mm) × 22 21/32 in (575.47 mm)
P03R	1/8 in (3.18 mm) / 22 29/32 in (581.82 mm)	24 1/8 in (612.78 mm) × 22 21/32 in (575.47 mm)

Stock 96.468 in (2450.29 mm) × 48.468 in (1231.09 mm); perimeter trim 1/8 in (3.18 mm); kerf / separation 1/8 in (3.18 mm). Full cut order and offcuts are in the versioned specification.

PINE-FRAME-1 · rough-stock cutting plan

PINE-FRAME-1 · rough-blank cutting layout

96 in (2438.4 mm) × 5 1/2 in (139.7 mm) · PINE



Origin: lower LEFT · X / grain → · Y ↑ · Width enlarged; use dimensions.

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
Specified perimeter trim 1/8 in (3.18 mm); blade kerf / separation 1/8 in (3.18 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

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

PINE-FRAME-1 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

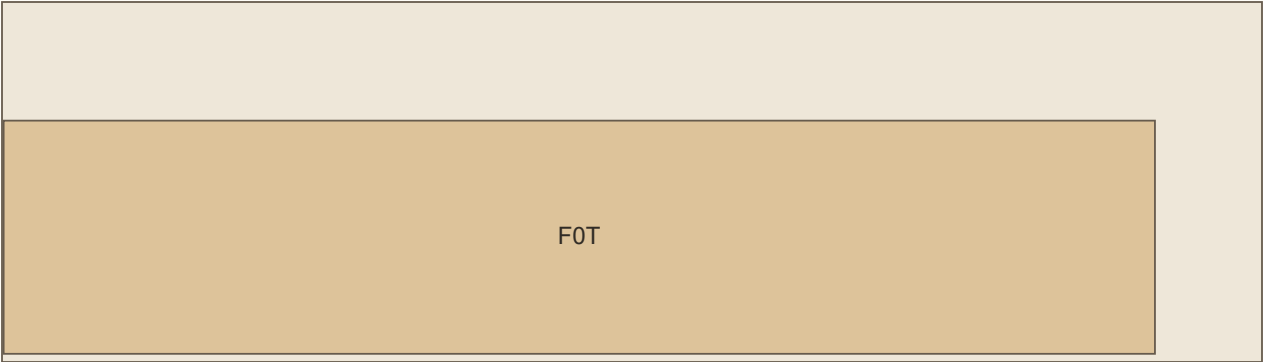
Part ID	Stock X / Y	Rough length × width
F1T	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	94 23/32 in (2405.86 mm) × 3 9/16 in (90.49 mm)

Stock 96 in (2438.4 mm) × 5 1/2 in (139.7 mm); perimeter trim 1/8 in (3.18 mm); kerf / separation 1/8 in (3.18 mm). Full cut order and offcuts are in the versioned specification.

PINE-FRAME-2 · rough-stock cutting plan

PINE-FRAME-2 · rough-blank cutting layout

96 in (2438.4 mm) × 5 1/2 in (139.7 mm) · PINE



Origin: lower LEFT · X / grain → · Y ↑ · Width enlarged; use dimensions.

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
Specified perimeter trim 1/8 in (3.18 mm); blade kerf / separation 1/8 in (3.18 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

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

PINE-FRAME-2 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

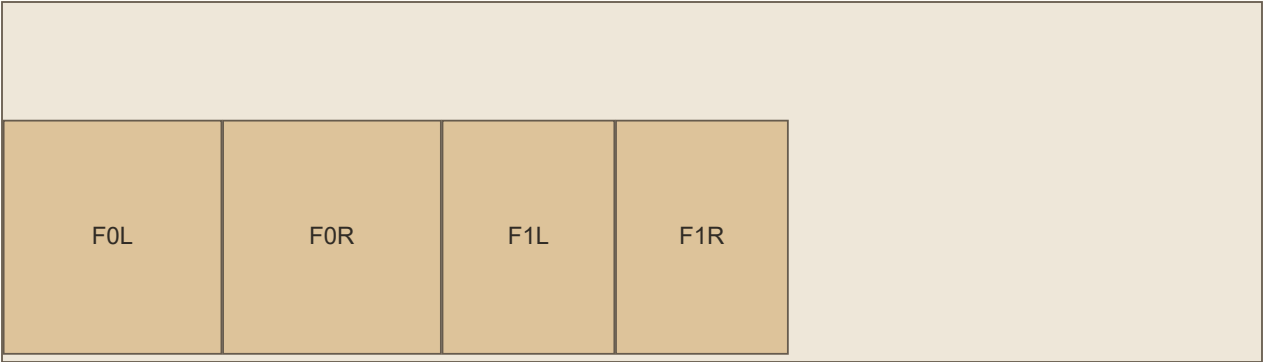
Part ID	Stock X / Y	Rough length × width
F0T	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	87 23/32 in (2228.06 mm) × 3 9/16 in (90.49 mm)

Stock 96 in (2438.4 mm) × 5 1/2 in (139.7 mm); perimeter trim 1/8 in (3.18 mm); kerf / separation 1/8 in (3.18 mm). Full cut order and offcuts are in the versioned specification.

PINE-FRAME-3 · rough-stock cutting plan

PINE-FRAME-3 · rough-blank cutting layout

96 in (2438.4 mm) × 5 1/2 in (139.7 mm) · PINE



Origin: lower LEFT · X / grain → · Y ↑ · Width enlarged; use dimensions.

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
Specified perimeter trim 1/8 in (3.18 mm); blade kerf / separation 1/8 in (3.18 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

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

PINE-FRAME-3 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

Part ID	Stock X / Y	Rough length × width
F0L	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	16 19/32 in (421.48 mm) × 3 9/16 in (90.49 mm)
F0R	16 27/32 in (427.83 mm) / 1/8 in (3.18 mm)	16 19/32 in (421.48 mm) × 3 9/16 in (90.49 mm)
F1L	33 9/16 in (852.49 mm) / 1/8 in (3.18 mm)	13 3/32 in (332.58 mm) × 3 9/16 in (90.49 mm)
F1R	46 25/32 in (1188.24 mm) / 1/8 in (3.18 mm)	13 3/32 in (332.58 mm) × 3 9/16 in (90.49 mm)

Stock 96 in (2438.4 mm) × 5 1/2 in (139.7 mm); perimeter trim 1/8 in (3.18 mm); kerf / separation 1/8 in (3.18 mm). Full cut order and offcuts are in the versioned specification.

PINE-THIN-1 · rough-stock cutting plan

PINE-THIN-1 · rough-blank cutting layout

96 in (2438.4 mm) × 5 1/2 in (139.7 mm) · PINE

LCF4	LCB1	LCB4	LCL	LCR
LCF3	LCB2	LCB3	LCF1	
RTLL	RTLRL	RTML	RTMR	VLFLVLA
RTNF	RTNA	RTRF	RTRA	VLTL
RTLF	RTLA	RTMF	RTMA	VLBL

Origin: lower LEFT · X / grain → · Y ↑ · Width enlarged; use dimensions.

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
Specified perimeter trim 1/8 in (3.18 mm); blade kerf / separation 1/8 in (3.18 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

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

PINE-THIN-1 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

Part ID	Stock X / Y	Rough length × width
RTLFL	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	20 1/8 in (511.18 mm) × 1 1/16 in (26.99 mm)
RTLA	20 3/8 in (517.53 mm) / 1/8 in (3.18 mm)	20 1/8 in (511.18 mm) × 1 1/16 in (26.99 mm)
RTMFL	40 5/8 in (1031.88 mm) / 1/8 in (3.18 mm)	20 1/8 in (511.18 mm) × 1 1/16 in (26.99 mm)
RTMA	60 7/8 in (1546.23 mm) / 1/8 in (3.18 mm)	20 1/8 in (511.18 mm) × 1 1/16 in (26.99 mm)
RTNFL	1/8 in (3.18 mm) / 1 5/16 in (33.34 mm)	20 1/8 in (511.18 mm) × 1 1/16 in (26.99 mm)
RTNA	20 3/8 in (517.53 mm) / 1 5/16 in (33.34 mm)	20 1/8 in (511.18 mm) × 1 1/16 in (26.99 mm)
RTRFL	40 5/8 in (1031.88 mm) / 1 5/16 in (33.34 mm)	20 1/8 in (511.18 mm) × 1 1/16 in (26.99 mm)
RTRA	60 7/8 in (1546.23 mm) / 1 5/16 in (33.34 mm)	20 1/8 in (511.18 mm) × 1 1/16 in (26.99 mm)
RTLL	1/8 in (3.18 mm) / 2 1/2 in (63.5 mm)	16 1/8 in (409.58 mm) × 1 1/16 in (26.99 mm)
RTLRL	16 3/8 in (415.93 mm) / 2 1/2 in (63.5 mm)	16 1/8 in (409.58 mm) × 1 1/16 in (26.99 mm)
RTML	32 5/8 in (828.68 mm) / 2 1/2 in (63.5 mm)	16 1/8 in (409.58 mm) × 1 1/16 in (26.99 mm)
RTMR	48 7/8 in (1241.43 mm) / 2 1/2 in (63.5 mm)	16 1/8 in (409.58 mm) × 1 1/16 in (26.99 mm)
VLB	81 1/8 in (2060.58 mm) / 1/8 in (3.18 mm)	14 1/8 in (358.78 mm) × 1 1/16 in (26.99 mm)
VLT	81 1/8 in (2060.58 mm) / 1 5/16 in (33.34 mm)	14 1/8 in (358.78 mm) × 1 1/16 in (26.99 mm)
VLF	65 1/8 in (1654.18 mm) / 2 1/2 in (63.5 mm)	3 1/8 in (79.38 mm) × 1 1/16 in (26.99 mm)
VLA	68 3/8 in (1736.73 mm) / 2 1/2 in (63.5 mm)	3 1/8 in (79.38 mm) × 1 1/16 in (26.99 mm)

Stock 96 in (2438.4 mm) × 5 1/2 in (139.7 mm); perimeter trim 1/8 in (3.18 mm); kerf / separation 1/8 in (3.18 mm). Full cut order and offcuts are in the versioned specification.

PINE-THIN-1 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

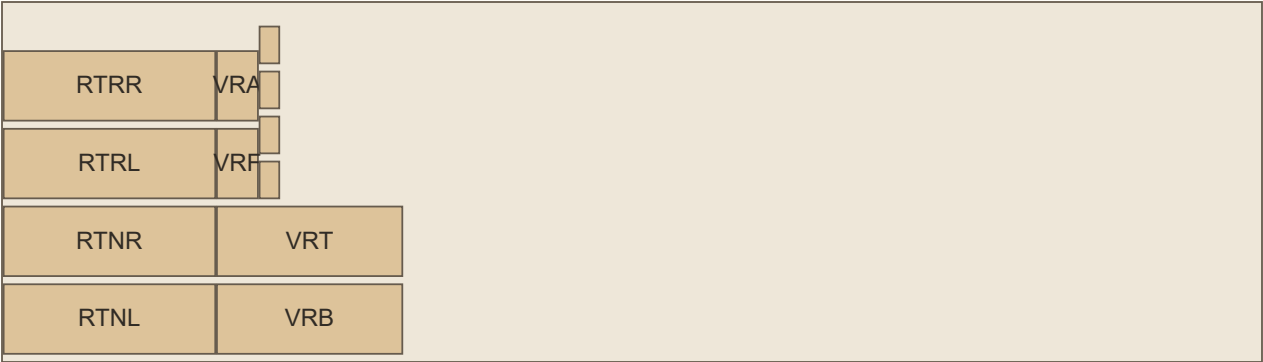
Part ID	Stock X / Y	Rough length × width
LCF2	71 5/8 in (1819.28 mm) / 2 1/2 in (63.5 mm)	21.715 in (551.56 mm) × 9/16 in (14.29 mm)
LCF3	1/8 in (3.18 mm) / 3 11/16 in (93.66 mm)	21.715 in (551.56 mm) × 9/16 in (14.29 mm)
LCB2	21.965 in (557.91 mm) / 3 11/16 in (93.66 mm)	21.715 in (551.56 mm) × 9/16 in (14.29 mm)
LCB3	43.805 in (1112.65 mm) / 3 11/16 in (93.66 mm)	21.715 in (551.56 mm) × 9/16 in (14.29 mm)
LCF1	65.645 in (1667.38 mm) / 3 11/16 in (93.66 mm)	20.261875 in (514.65 mm) × 9/16 in (14.29 mm)
LCF4	1/8 in (3.18 mm) / 4 3/8 in (111.13 mm)	20.261875 in (514.65 mm) × 9/16 in (14.29 mm)
LCB1	20.511875 in (521 mm) / 4 3/8 in (111.13 mm)	20.261875 in (514.65 mm) × 9/16 in (14.29 mm)
LCB4	40.89875 in (1038.83 mm) / 4 3/8 in (111.13 mm)	20.261875 in (514.65 mm) × 9/16 in (14.29 mm)
LCL	61.285625 in (1556.65 mm) / 4 3/8 in (111.13 mm)	17.1525 in (435.67 mm) × 9/16 in (14.29 mm)
LCR	78.563125 in (1995.5 mm) / 4 3/8 in (111.13 mm)	17.1525 in (435.67 mm) × 9/16 in (14.29 mm)
LCQ1	93.465 in (2374.01 mm) / 2 1/2 in (63.5 mm)	1 5/8 in (41.28 mm) × 9/16 in (14.29 mm)
LCQ2	86.031875 in (2185.21 mm) / 3 11/16 in (93.66 mm)	1 5/8 in (41.28 mm) × 9/16 in (14.29 mm)
LCQ3	87.781875 in (2229.66 mm) / 3 11/16 in (93.66 mm)	1 5/8 in (41.28 mm) × 9/16 in (14.29 mm)
LCP1	89.531875 in (2274.11 mm) / 3 11/16 in (93.66 mm)	1 5/8 in (41.28 mm) × 9/16 in (14.29 mm)
LCP2	91.281875 in (2318.56 mm) / 3 11/16 in (93.66 mm)	1 5/8 in (41.28 mm) × 9/16 in (14.29 mm)
LCP3	93.031875 in (2363.01 mm) / 3 11/16 in (93.66 mm)	1 5/8 in (41.28 mm) × 9/16 in (14.29 mm)

Stock 96 in (2438.4 mm) × 5 1/2 in (139.7 mm); perimeter trim 1/8 in (3.18 mm); kerf / separation 1/8 in (3.18 mm). Full cut order and offcuts are in the versioned specification.

PINE-THIN-2 · rough-stock cutting plan

PINE-THIN-2 · rough-blank cutting layout

96 in (2438.4 mm) × 5 1/2 in (139.7 mm) · PINE



Origin: lower LEFT · X / grain → · Y ↑ · Width enlarged; use dimensions.

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
Specified perimeter trim 1/8 in (3.18 mm); blade kerf / separation 1/8 in (3.18 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

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

PINE-THIN-2 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

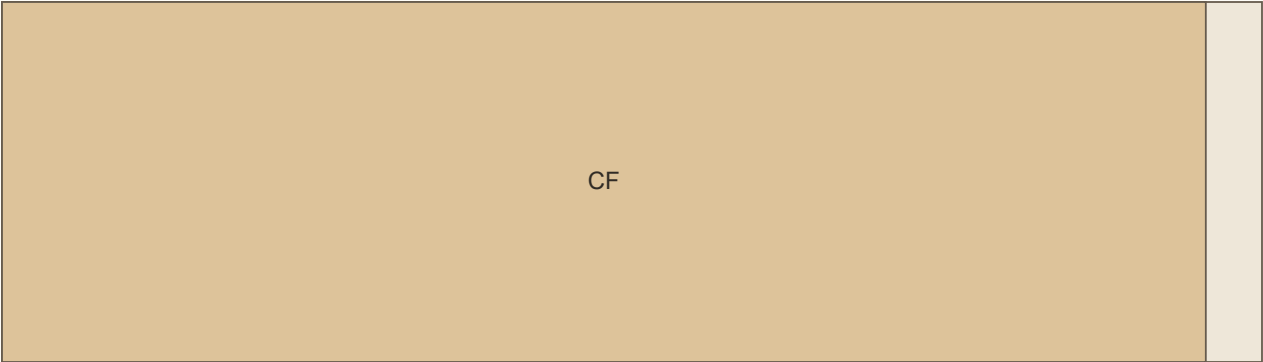
Part ID	Stock X / Y	Rough length × width
RTNL	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	16 1/8 in (409.58 mm) × 1 1/16 in (26.99 mm)
RTNR	1/8 in (3.18 mm) / 1 5/16 in (33.34 mm)	16 1/8 in (409.58 mm) × 1 1/16 in (26.99 mm)
RTRL	1/8 in (3.18 mm) / 2 1/2 in (63.5 mm)	16 1/8 in (409.58 mm) × 1 1/16 in (26.99 mm)
RTRR	1/8 in (3.18 mm) / 3 11/16 in (93.66 mm)	16 1/8 in (409.58 mm) × 1 1/16 in (26.99 mm)
VRB	16 3/8 in (415.93 mm) / 1/8 in (3.18 mm)	14 1/8 in (358.78 mm) × 1 1/16 in (26.99 mm)
VRT	16 3/8 in (415.93 mm) / 1 5/16 in (33.34 mm)	14 1/8 in (358.78 mm) × 1 1/16 in (26.99 mm)
VRF	16 3/8 in (415.93 mm) / 2 1/2 in (63.5 mm)	3 1/8 in (79.38 mm) × 1 1/16 in (26.99 mm)
VRA	16 3/8 in (415.93 mm) / 3 11/16 in (93.66 mm)	3 1/8 in (79.38 mm) × 1 1/16 in (26.99 mm)
LCQL	19 5/8 in (498.48 mm) / 2 1/2 in (63.5 mm)	1 1/2 in (38.1 mm) × 9/16 in (14.29 mm)
LCQR	19 5/8 in (498.48 mm) / 3 3/16 in (80.96 mm)	1 1/2 in (38.1 mm) × 9/16 in (14.29 mm)
LCPL	19 5/8 in (498.48 mm) / 3 7/8 in (98.43 mm)	1 1/2 in (38.1 mm) × 9/16 in (14.29 mm)
LCPR	19 5/8 in (498.48 mm) / 4 9/16 in (115.89 mm)	1 1/2 in (38.1 mm) × 9/16 in (14.29 mm)

Stock 96 in (2438.4 mm) × 5 1/2 in (139.7 mm); perimeter trim 1/8 in (3.18 mm); kerf / separation 1/8 in (3.18 mm). Full cut order and offcuts are in the versioned specification.

SOLID-1 · rough-stock cutting plan

SOLID-1 · rough-blank cutting layout

96 in (2438.4 mm) × 1 1/2 in (38.1 mm) · SOLID



Origin: lower LEFT · X / grain → · Y ↑ · Width enlarged; use dimensions.

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
Specified perimeter trim 0 in (0 mm); blade kerf / separation 1/8 in (3.18 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

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

SOLID-1 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

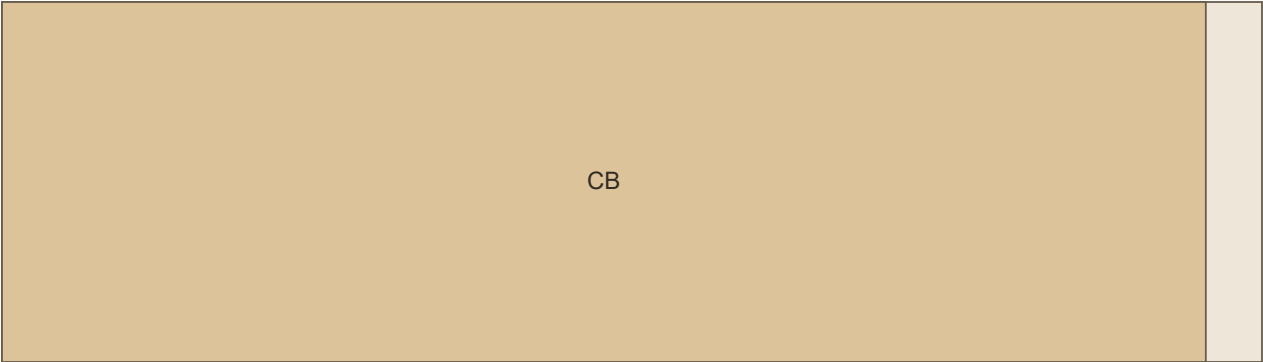
Part ID	Stock X / Y	Rough length × width
CF	0 in (0 mm) / 0 in (0 mm)	91 23/32 in (2329.66 mm) × 1 1/2 in (38.1 mm)

Stock 96 in (2438.4 mm) × 1 1/2 in (38.1 mm); perimeter trim 0 in (0 mm); kerf / separation 1/8 in (3.18 mm). Full cut order and offcuts are in the versioned specification.

SOLID-2 · rough-stock cutting plan

SOLID-2 · rough-blank cutting layout

96 in (2438.4 mm) × 1 1/2 in (38.1 mm) · SOLID



Origin: lower LEFT · X / grain → · Y ↑ · Width enlarged; use dimensions.

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
Specified perimeter trim 0 in (0 mm); blade kerf / separation 1/8 in (3.18 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

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

SOLID-2 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

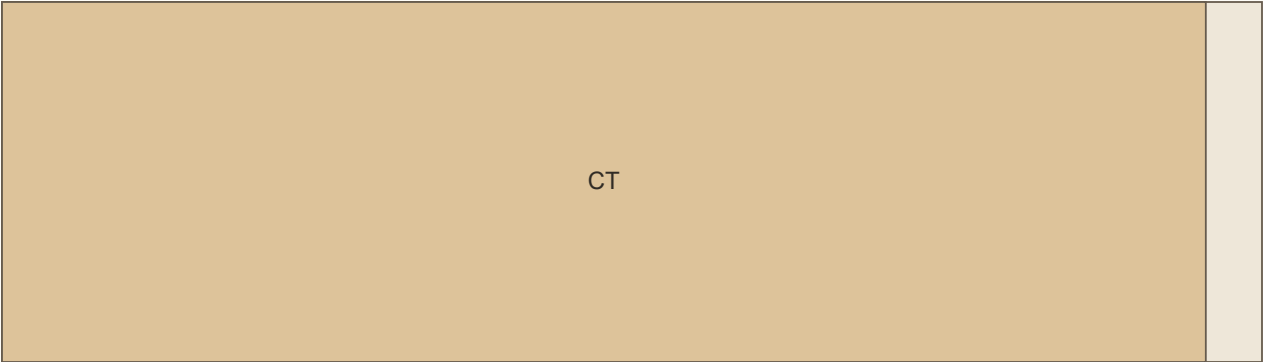
Part ID	Stock X / Y	Rough length × width
CB	0 in (0 mm) / 0 in (0 mm)	91 23/32 in (2329.66 mm) × 1 1/2 in (38.1 mm)

Stock 96 in (2438.4 mm) × 1 1/2 in (38.1 mm); perimeter trim 0 in (0 mm); kerf / separation 1/8 in (3.18 mm). Full cut order and offcuts are in the versioned specification.

SOLID-3 · rough-stock cutting plan

SOLID-3 · rough-blank cutting layout

96 in (2438.4 mm) × 1 1/2 in (38.1 mm) · SOLID



Origin: lower LEFT · X / grain → · Y ↑ · Width enlarged; use dimensions.

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
Specified perimeter trim 0 in (0 mm); blade kerf / separation 1/8 in (3.18 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

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

SOLID-3 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

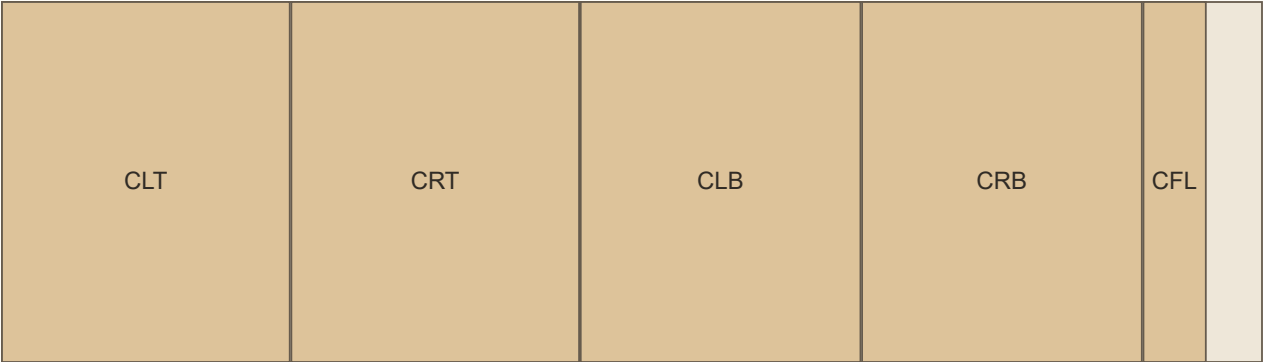
Part ID	Stock X / Y	Rough length × width
CT	0 in (0 mm) / 0 in (0 mm)	91 23/32 in (2329.66 mm) × 1 1/2 in (38.1 mm)

Stock 96 in (2438.4 mm) × 1 1/2 in (38.1 mm); perimeter trim 0 in (0 mm); kerf / separation 1/8 in (3.18 mm). Full cut order and offcuts are in the versioned specification.

SOLID-4 · rough-stock cutting plan

SOLID-4 · rough-blank cutting layout

96 in (2438.4 mm) × 1 1/2 in (38.1 mm) · SOLID



Origin: lower LEFT · X / grain → · Y ↑ · Width enlarged; use dimensions.

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
Specified perimeter trim 0 in (0 mm); blade kerf / separation 1/8 in (3.18 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

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

SOLID-4 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

Part ID	Stock X / Y	Rough length × width
CLT	0 in (0 mm) / 0 in (0 mm)	21 59/64 in (556.82 mm) × 1 1/2 in (38.1 mm)
CRT	22 3/64 in (559.99 mm) / 0 in (0 mm)	21 59/64 in (556.82 mm) × 1 1/2 in (38.1 mm)
CLB	44 3/32 in (1119.98 mm) / 0 in (0 mm)	21 5/16 in (541.34 mm) × 1 1/2 in (38.1 mm)
CRB	65 17/32 in (1664.49 mm) / 0 in (0 mm)	21 5/16 in (541.34 mm) × 1 1/2 in (38.1 mm)
CFL	86 31/32 in (2209.01 mm) / 0 in (0 mm)	4 3/4 in (120.65 mm) × 1 1/2 in (38.1 mm)

Stock 96 in (2438.4 mm) × 1 1/2 in (38.1 mm); perimeter trim 0 in (0 mm); kerf / separation 1/8 in (3.18 mm). Full cut order and offcuts are in the versioned specification.

SOLID-5 · rough-stock cutting plan

SOLID-5 · rough-blank cutting layout

96 in (2438.4 mm) × 1 1/2 in (38.1 mm) · SOLID



Origin: lower LEFT · X / grain → · Y ↑ · Width enlarged; use dimensions.

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
Specified perimeter trim 0 in (0 mm); blade kerf / separation 1/8 in (3.18 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

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

SOLID-5 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

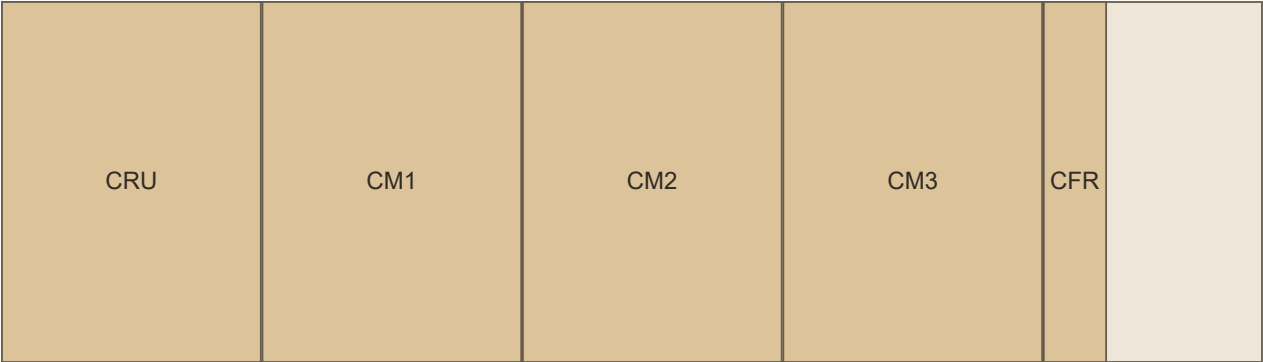
Part ID	Stock X / Y	Rough length × width
CR1	0 in (0 mm) / 0 in (0 mm)	20 27/64 in (518.72 mm) × 1 1/2 in (38.1 mm)
CR2	20 35/64 in (521.89 mm) / 0 in (0 mm)	20 27/64 in (518.72 mm) × 1 1/2 in (38.1 mm)
CR3	41 3/32 in (1043.78 mm) / 0 in (0 mm)	20 27/64 in (518.72 mm) × 1 1/2 in (38.1 mm)
CLU	61 41/64 in (1565.67 mm) / 0 in (0 mm)	19 23/32 in (500.86 mm) × 1 1/2 in (38.1 mm)
CF1	81 31/64 in (2069.7 mm) / 0 in (0 mm)	4 3/4 in (120.65 mm) × 1 1/2 in (38.1 mm)
CF2	86 23/64 in (2193.53 mm) / 0 in (0 mm)	4 3/4 in (120.65 mm) × 1 1/2 in (38.1 mm)
CF3	91 15/64 in (2317.35 mm) / 0 in (0 mm)	4 3/4 in (120.65 mm) × 1 1/2 in (38.1 mm)

Stock 96 in (2438.4 mm) × 1 1/2 in (38.1 mm); perimeter trim 0 in (0 mm); kerf / separation 1/8 in (3.18 mm). Full cut order and offcuts are in the versioned specification.

SOLID-6 · rough-stock cutting plan

SOLID-6 · rough-blank cutting layout

96 in (2438.4 mm) × 1 1/2 in (38.1 mm) · SOLID



Origin: lower LEFT · X / grain → · Y ↑ · Width enlarged; use dimensions.

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
Specified perimeter trim 0 in (0 mm); blade kerf / separation 1/8 in (3.18 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

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

SOLID-6 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

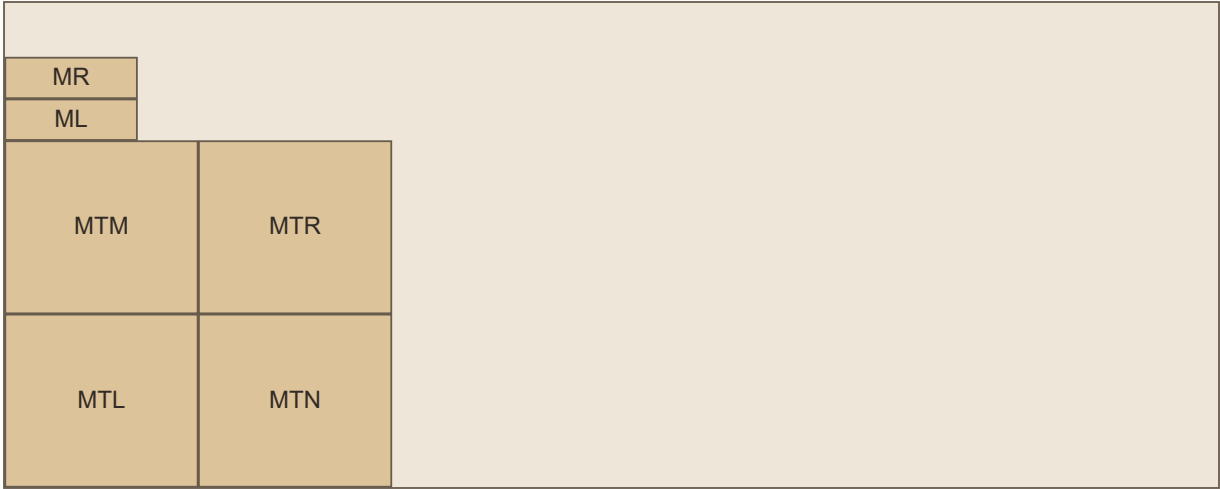
Part ID	Stock X / Y	Rough length × width
CRU	0 in (0 mm) / 0 in (0 mm)	19 23/32 in (500.86 mm) × 1 1/2 in (38.1 mm)
CM1	19 27/32 in (504.03 mm) / 0 in (0 mm)	19 23/32 in (500.86 mm) × 1 1/2 in (38.1 mm)
CM2	39 11/16 in (1008.06 mm) / 0 in (0 mm)	19 23/32 in (500.86 mm) × 1 1/2 in (38.1 mm)
CM3	59 17/32 in (1512.09 mm) / 0 in (0 mm)	19 23/32 in (500.86 mm) × 1 1/2 in (38.1 mm)
CFR	79 3/8 in (2016.13 mm) / 0 in (0 mm)	4 3/4 in (120.65 mm) × 1 1/2 in (38.1 mm)

Stock 96 in (2438.4 mm) × 1 1/2 in (38.1 mm); perimeter trim 0 in (0 mm); kerf / separation 1/8 in (3.18 mm). Full cut order and offcuts are in the versioned specification.

MESH-1 · rough-stock cutting plan

MESH-1 · rough-blank cutting layout

120 in (3048 mm) × 48 in (1219.2 mm) · MESH



Origin: lower LEFT · X / grain → · Y ↑

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
Specified perimeter trim 1/8 in (3.18 mm); blade kerf / separation 1/8 in (3.18 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

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

MESH-1 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

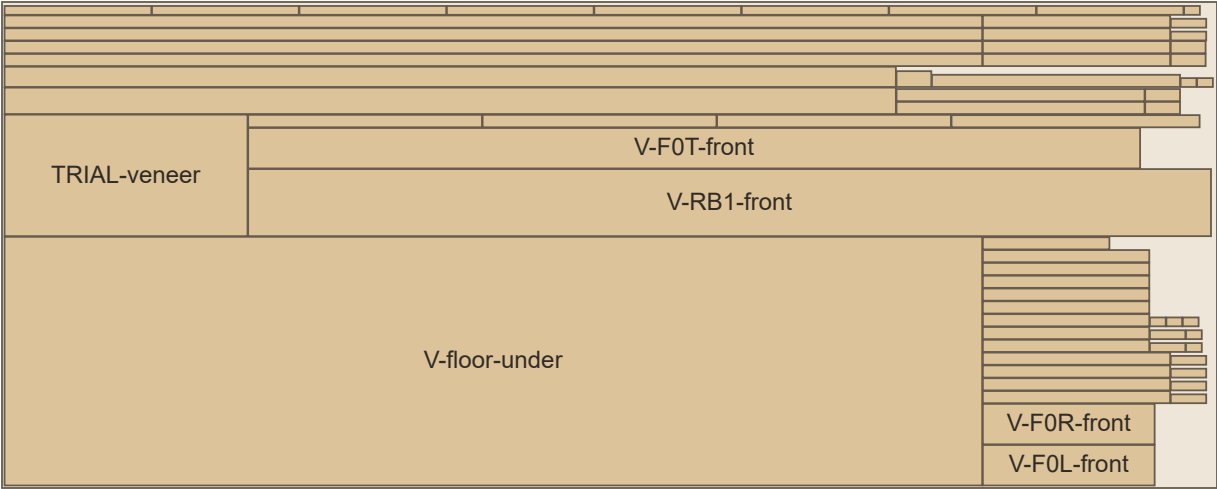
Part ID	Stock X / Y	Rough length × width
MTL	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	19 in (482.6 mm) × 17 in (431.8 mm)
MTM	1/8 in (3.18 mm) / 17 1/4 in (438.15 mm)	19 in (482.6 mm) × 17 in (431.8 mm)
MTN	19 1/4 in (488.95 mm) / 1/8 in (3.18 mm)	19 in (482.6 mm) × 17 in (431.8 mm)
MTR	19 1/4 in (488.95 mm) / 17 1/4 in (438.15 mm)	19 in (482.6 mm) × 17 in (431.8 mm)
ML	1/8 in (3.18 mm) / 34 3/8 in (873.13 mm)	13 in (330.2 mm) × 4 in (101.6 mm)
MR	1/8 in (3.18 mm) / 38 1/2 in (977.9 mm)	13 in (330.2 mm) × 4 in (101.6 mm)

Stock 120 in (3048 mm) × 48 in (1219.2 mm); perimeter trim 1/8 in (3.18 mm); kerf / separation 1/8 in (3.18 mm). Full cut order and offcuts are in the versioned specification.

VENEER-1 · rough-stock cutting plan

VENEER-1 · rough-blank cutting layout

120 in (3048 mm) × 48 in (1219.2 mm) · VENEER



Origin: lower LEFT · X / grain → · Y ↑
 Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
 Specified perimeter trim 1/4 in (6.35 mm); blade kerf / separation 1/16 in (1.59 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf
 Grain-fixed guillotine allocation; defect-free stock; safe tool/hold-down rehearsal required

VENEER-1 • exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

Part ID	Stock X / Y	Rough length × width
V-floor-under	1/4 in (6.35 mm) / 1/4 in (6.35 mm)	96.561 in (2452.65 mm) × 24.561 in (623.85 mm)
TRIAL-veneer	1/4 in (6.35 mm) / 24.8735 in (631.79 mm)	24 in (609.6 mm) × 12 in (304.8 mm)
V-RB1-front	24 5/16 in (617.54 mm) / 24.8735 in (631.79 mm)	95 3/32 in (2415.38 mm) × 6 5/8 in (168.28 mm)
V-F0T-front	24 5/16 in (617.54 mm) / 31.561 in (801.65 mm)	88 3/32 in (2237.58 mm) × 4 in (101.6 mm)
V-F0L-front	96.8735 in (2460.59 mm) / 1/4 in (6.35 mm)	16 31/32 in (431.01 mm) × 4 in (101.6 mm)
V-F0R-front	96.8735 in (2460.59 mm) / 4 5/16 in (109.54 mm)	16 31/32 in (431.01 mm) × 4 in (101.6 mm)
V-retainer-top	1/4 in (6.35 mm) / 36.936 in (938.17 mm)	88.03275 in (2236.03 mm) × 2 39/64 in (66.28 mm)
V-opening-upper	1/4 in (6.35 mm) / 39.607875 in (1006.04 mm)	88.03275 in (2236.03 mm) × 2 in (50.8 mm)
V-VLF-outer	88.34525 in (2243.97 mm) / 39.607875 in (1006.04 mm)	3.439 in (87.35 mm) × 1.561 in (39.65 mm)
V-P03L-front	24 5/16 in (617.54 mm) / 35.6235 in (904.84 mm)	23 3/32 in (586.58 mm) × 1.233625 in (31.33 mm)
V-P03L-back	47 15/32 in (1205.71 mm) / 35.6235 in (904.84 mm)	23 3/32 in (586.58 mm) × 1.233625 in (31.33 mm)
V-P03R-front	70 5/8 in (1793.88 mm) / 35.6235 in (904.84 mm)	23 3/32 in (586.58 mm) × 1.233625 in (31.33 mm)
V-P01-front	1/4 in (6.35 mm) / 41.670375 in (1058.43 mm)	96.561 in (2452.65 mm) × 1 13/64 in (30.56 mm)
V-P01-back	1/4 in (6.35 mm) / 42.936 in (1090.57 mm)	96.561 in (2452.65 mm) × 1 13/64 in (30.56 mm)
V-P02-front	1/4 in (6.35 mm) / 44.201625 in (1122.72 mm)	96.561 in (2452.65 mm) × 1 13/64 in (30.56 mm)
V-P02-back	1/4 in (6.35 mm) / 45.46725 in (1154.87 mm)	96.561 in (2452.65 mm) × 1 13/64 in (30.56 mm)

Stock 120 in (3048 mm) × 48 in (1219.2 mm); perimeter trim 1/4 in (6.35 mm); kerf / separation 1/16 in (1.59 mm). Full cut order and offcuts are in the versioned specification.

VENEER-1 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

Part ID	Stock X / Y	Rough length × width
V-P01-left	93 25/32 in (2382.04 mm) / 35.6235 in (904.84 mm)	24 1/2 in (622.3 mm) × 1 13/64 in (30.56 mm)
V-P01-right	91.84675 in (2332.91 mm) / 39.607875 in (1006.04 mm)	24 1/2 in (622.3 mm) × 1 13/64 in (30.56 mm)
V-P02-left	88.34525 in (2243.97 mm) / 36.936 in (938.17 mm)	24 1/2 in (622.3 mm) × 1 13/64 in (30.56 mm)
V-P02-right	88.34525 in (2243.97 mm) / 38.201625 in (970.32 mm)	24 1/2 in (622.3 mm) × 1 13/64 in (30.56 mm)
V-roof-6-front	96.8735 in (2460.59 mm) / 41.670375 in (1058.43 mm)	18 1/2 in (469.9 mm) × 1 13/64 in (30.56 mm)
V-roof-6-back	96.8735 in (2460.59 mm) / 42.936 in (1090.57 mm)	18 1/2 in (469.9 mm) × 1 13/64 in (30.56 mm)
V-roof-28-front	96.8735 in (2460.59 mm) / 44.201625 in (1122.72 mm)	18 1/2 in (469.9 mm) × 1 13/64 in (30.56 mm)
V-roof-28-back	96.8735 in (2460.59 mm) / 45.46725 in (1154.87 mm)	18 1/2 in (469.9 mm) × 1 13/64 in (30.56 mm)
V-roof-50-front	96.8735 in (2460.59 mm) / 8 3/8 in (212.73 mm)	18 1/2 in (469.9 mm) × 1 13/64 in (30.56 mm)
V-roof-50-back	96.8735 in (2460.59 mm) / 9 41/64 in (244.87 mm)	18 1/2 in (469.9 mm) × 1 13/64 in (30.56 mm)
V-roof-72-front	96.8735 in (2460.59 mm) / 10 29/32 in (277.02 mm)	18 1/2 in (469.9 mm) × 1 13/64 in (30.56 mm)
V-roof-72-back	96.8735 in (2460.59 mm) / 12 11/64 in (309.17 mm)	18 1/2 in (469.9 mm) × 1 13/64 in (30.56 mm)
V-roof-6-left	96.8735 in (2460.59 mm) / 13 7/16 in (341.31 mm)	16.439 in (417.55 mm) × 1 13/64 in (30.56 mm)
V-roof-6-right	96.8735 in (2460.59 mm) / 14 45/64 in (373.46 mm)	16.439 in (417.55 mm) × 1 13/64 in (30.56 mm)
V-roof-28-left	96.8735 in (2460.59 mm) / 15 31/32 in (405.61 mm)	16.439 in (417.55 mm) × 1 13/64 in (30.56 mm)
V-roof-28-right	96.8735 in (2460.59 mm) / 17 15/64 in (437.75 mm)	16.439 in (417.55 mm) × 1 13/64 in (30.56 mm)

Stock 120 in (3048 mm) × 48 in (1219.2 mm); perimeter trim 1/4 in (6.35 mm); kerf / separation 1/16 in (1.59 mm). Full cut order and offcuts are in the versioned specification.

VENEER-1 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

Part ID	Stock X / Y	Rough length × width
V-roof-50-left	96.8735 in (2460.59 mm) / 18 1/2 in (469.9 mm)	16.439 in (417.55 mm) × 1 13/64 in (30.56 mm)
V-roof-50-right	96.8735 in (2460.59 mm) / 19 49/64 in (502.05 mm)	16.439 in (417.55 mm) × 1 13/64 in (30.56 mm)
V-roof-72-left	96.8735 in (2460.59 mm) / 21 1/32 in (534.19 mm)	16.439 in (417.55 mm) × 1 13/64 in (30.56 mm)
V-roof-72-right	96.8735 in (2460.59 mm) / 22 19/64 in (566.34 mm)	16.439 in (417.55 mm) × 1 13/64 in (30.56 mm)
V-P03L-vent-bottom	96.8735 in (2460.59 mm) / 23 9/16 in (598.49 mm)	12 1/2 in (317.5 mm) × 1 13/64 in (30.56 mm)
V-P03L-vent-near	112.90775 in (2867.86 mm) / 36.936 in (938.17 mm)	3.439 in (87.35 mm) × 1 13/64 in (30.56 mm)
V-P03L-vent-far	112.90775 in (2867.86 mm) / 38.201625 in (970.32 mm)	3.439 in (87.35 mm) × 1 13/64 in (30.56 mm)
V-P03R-vent-near	115.436 in (2932.07 mm) / 41.670375 in (1058.43 mm)	3.439 in (87.35 mm) × 1 13/64 in (30.56 mm)
V-P03R-vent-far	115.436 in (2932.07 mm) / 42.936 in (1090.57 mm)	3.439 in (87.35 mm) × 1 13/64 in (30.56 mm)
V-VLB-low	1/4 in (6.35 mm) / 46.732875 in (1187.02 mm)	14 1/2 in (368.3 mm) × 7/8 in (22.23 mm)
V-VLB-high	14 13/16 in (376.24 mm) / 46.732875 in (1187.02 mm)	14 1/2 in (368.3 mm) × 7/8 in (22.23 mm)
V-VLT-low	29 3/8 in (746.13 mm) / 46.732875 in (1187.02 mm)	14 1/2 in (368.3 mm) × 7/8 in (22.23 mm)
V-VLT-high	43 15/16 in (1116.01 mm) / 46.732875 in (1187.02 mm)	14 1/2 in (368.3 mm) × 7/8 in (22.23 mm)
V-VRB-low	58 1/2 in (1485.9 mm) / 46.732875 in (1187.02 mm)	14 1/2 in (368.3 mm) × 7/8 in (22.23 mm)
V-VRB-high	73 1/16 in (1855.79 mm) / 46.732875 in (1187.02 mm)	14 1/2 in (368.3 mm) × 7/8 in (22.23 mm)
V-VRT-low	87 5/8 in (2225.68 mm) / 46.732875 in (1187.02 mm)	14 1/2 in (368.3 mm) × 7/8 in (22.23 mm)

Stock 120 in (3048 mm) × 48 in (1219.2 mm); perimeter trim 1/4 in (6.35 mm); kerf / separation 1/16 in (1.59 mm). Full cut order and offcuts are in the versioned specification.

VENEER-1 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

Part ID	Stock X / Y	Rough length × width
V-VRT-high	102 3/16 in (2595.56 mm) / 46.732875 in (1187.02 mm)	14 1/2 in (368.3 mm) × 7/8 in (22.23 mm)
V-VLF-near	115.436 in (2932.07 mm) / 44.201625 in (1122.72 mm)	3 1/2 in (88.9 mm) × 7/8 in (22.23 mm)
V-VLF-far	115.436 in (2932.07 mm) / 45.46725 in (1154.87 mm)	3 1/2 in (88.9 mm) × 7/8 in (22.23 mm)
V-VLA-near	115.436 in (2932.07 mm) / 8 3/8 in (212.73 mm)	3 1/2 in (88.9 mm) × 7/8 in (22.23 mm)
V-VLA-far	115.436 in (2932.07 mm) / 9 41/64 in (244.87 mm)	3 1/2 in (88.9 mm) × 7/8 in (22.23 mm)
V-VRF-near	115.436 in (2932.07 mm) / 10 29/32 in (277.02 mm)	3 1/2 in (88.9 mm) × 7/8 in (22.23 mm)
V-VRF-far	115.436 in (2932.07 mm) / 12 11/64 in (309.17 mm)	3 1/2 in (88.9 mm) × 7/8 in (22.23 mm)
V-VRA-near	113 3/8 in (2879.73 mm) / 13 7/16 in (341.31 mm)	3 1/2 in (88.9 mm) × 7/8 in (22.23 mm)
V-VRA-far	113 3/8 in (2879.73 mm) / 14 45/64 in (373.46 mm)	3 1/2 in (88.9 mm) × 7/8 in (22.23 mm)
V-VLB-near	116 3/4 in (2965.45 mm) / 46.732875 in (1187.02 mm)	1.561 in (39.65 mm) × 7/8 in (22.23 mm)
V-VLB-far	116 15/16 in (2970.21 mm) / 13 7/16 in (341.31 mm)	1.561 in (39.65 mm) × 7/8 in (22.23 mm)
V-VLT-near	116 15/16 in (2970.21 mm) / 14 45/64 in (373.46 mm)	1.561 in (39.65 mm) × 7/8 in (22.23 mm)
V-VLT-far	116.40925 in (2956.79 mm) / 39.607875 in (1006.04 mm)	1.561 in (39.65 mm) × 7/8 in (22.23 mm)
V-VRB-near	118.03275 in (2998.03 mm) / 39.607875 in (1006.04 mm)	1.561 in (39.65 mm) × 7/8 in (22.23 mm)
V-VRB-far	113 3/8 in (2879.73 mm) / 15 31/32 in (405.61 mm)	1.561 in (39.65 mm) × 7/8 in (22.23 mm)
V-VRT-near	114.9985 in (2920.96 mm) / 15 31/32 in (405.61 mm)	1.561 in (39.65 mm) × 7/8 in (22.23 mm)

Stock 120 in (3048 mm) × 48 in (1219.2 mm); perimeter trim 1/4 in (6.35 mm); kerf / separation 1/16 in (1.59 mm). Full cut order and offcuts are in the versioned specification.

VENEER-1 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

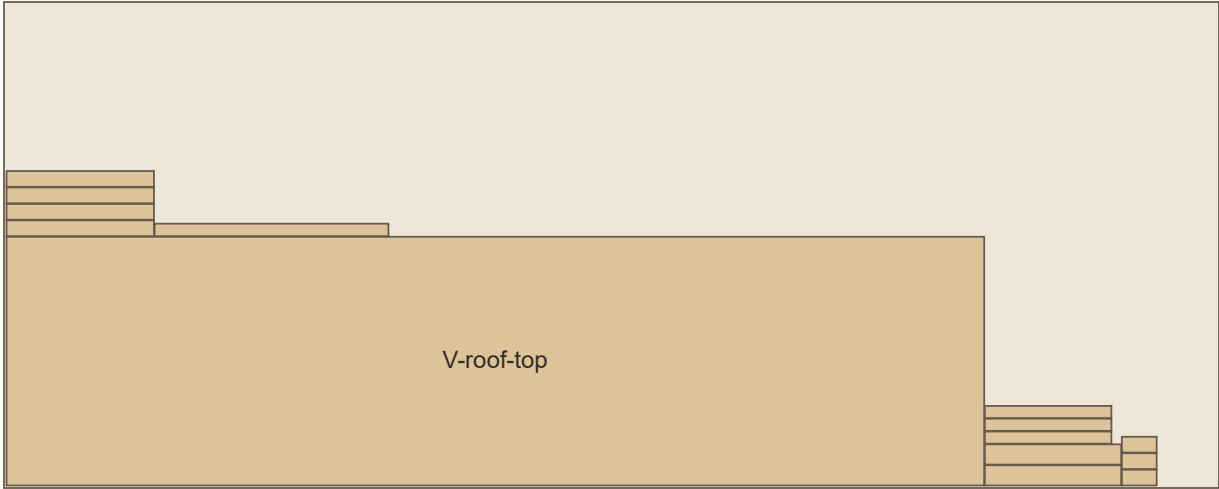
Part ID	Stock X / Y	Rough length × width
V-VRT-far	116.622 in (2962.2 mm) / 15 31/32 in (405.61 mm)	1.561 in (39.65 mm) × 7/8 in (22.23 mm)

Stock 120 in (3048 mm) × 48 in (1219.2 mm); perimeter trim 1/4 in (6.35 mm); kerf / separation 1/16 in (1.59 mm). Full cut order and offcuts are in the versioned specification.

VENEER-2 · rough-stock cutting plan

VENEER-2 · rough-blank cutting layout

120 in (3048 mm) × 48 in (1219.2 mm) · VENEER



Origin: lower LEFT · X / grain → · Y ↑

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
 Specified perimeter trim 1/4 in (6.35 mm); blade kerf / separation 1/16 in (1.59 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

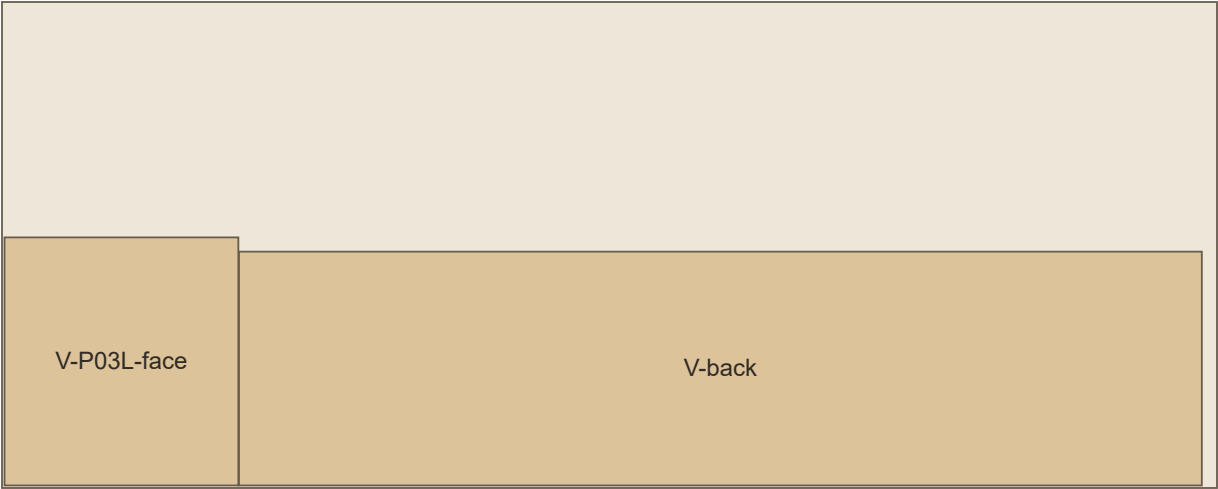
Grain-fixed guillotine allocation; defect-free stock; safe tool/hold-down rehearsal required

######

VENEER-3 · rough-stock cutting plan

VENEER-3 · rough-blank cutting layout

120 in (3048 mm) × 48 in (1219.2 mm) · VENEER



Origin: lower LEFT · X / grain → · Y ↑

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
Specified perimeter trim 1/4 in (6.35 mm); blade kerf / separation 1/16 in (1.59 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

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

VENEER-3 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

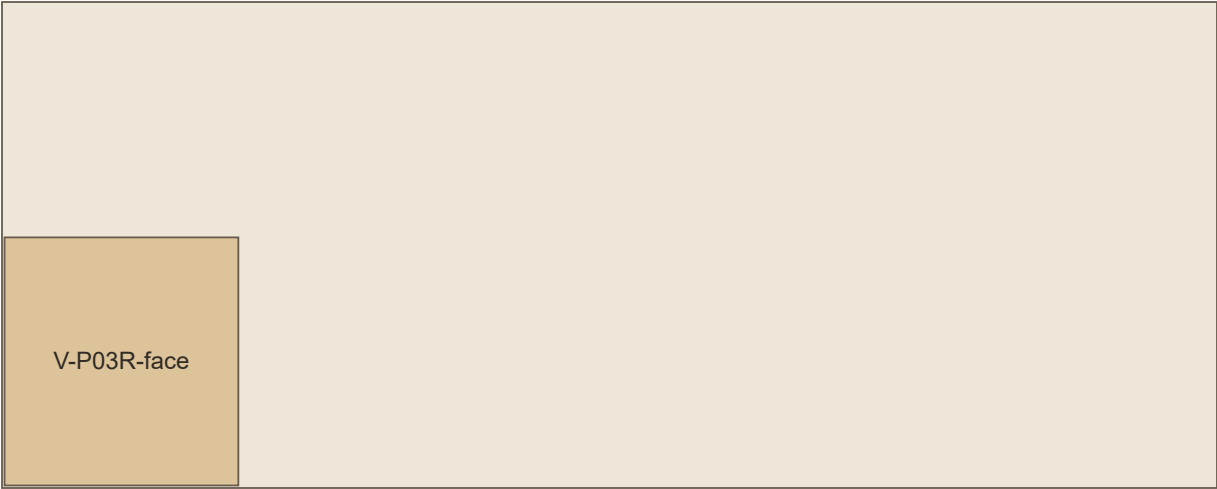
Part ID	Stock X / Y	Rough length × width
V-P03L-face	1/4 in (6.35 mm) / 1/4 in (6.35 mm)	23 3/32 in (586.58 mm) × 24 1/2 in (622.3 mm)
V-back	23 13/32 in (594.52 mm) / 1/4 in (6.35 mm)	95 3/32 in (2415.38 mm) × 23 3/32 in (586.58 mm)

Stock 120 in (3048 mm) × 48 in (1219.2 mm); perimeter trim 1/4 in (6.35 mm); kerf / separation 1/16 in (1.59 mm). Full cut order and offcuts are in the versioned specification.

VENEER-4 · rough-stock cutting plan

VENEER-4 · rough-blank cutting layout

120 in (3048 mm) × 48 in (1219.2 mm) · VENEER



Origin: lower LEFT · X / grain → · Y ↑

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
Specified perimeter trim 1/4 in (6.35 mm); blade kerf / separation 1/16 in (1.59 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

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

VENEER-4 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

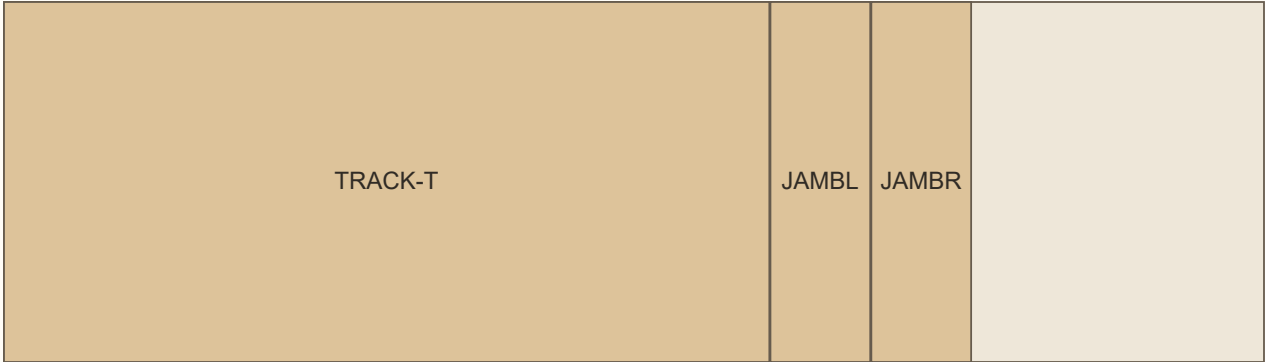
Part ID	Stock X / Y	Rough length × width
V-P03R-face	1/4 in (6.35 mm) / 1/4 in (6.35 mm)	23 3/32 in (586.58 mm) × 24 1/2 in (622.3 mm)

Stock 120 in (3048 mm) × 48 in (1219.2 mm); perimeter trim 1/4 in (6.35 mm); kerf / separation 1/16 in (1.59 mm). Full cut order and offcuts are in the versioned specification.

KV993-1 · rough-stock cutting plan

KV993-1 · rough-blank cutting layout

144 in (3657.6 mm) × 1 in (25.4 mm) · KV993



Origin: lower LEFT · X / grain → · Y ↑ · Width enlarged; use dimensions.

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
Specified perimeter trim 0 in (0 mm); blade kerf / separation 1/8 in (3.18 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

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

KV993-1 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

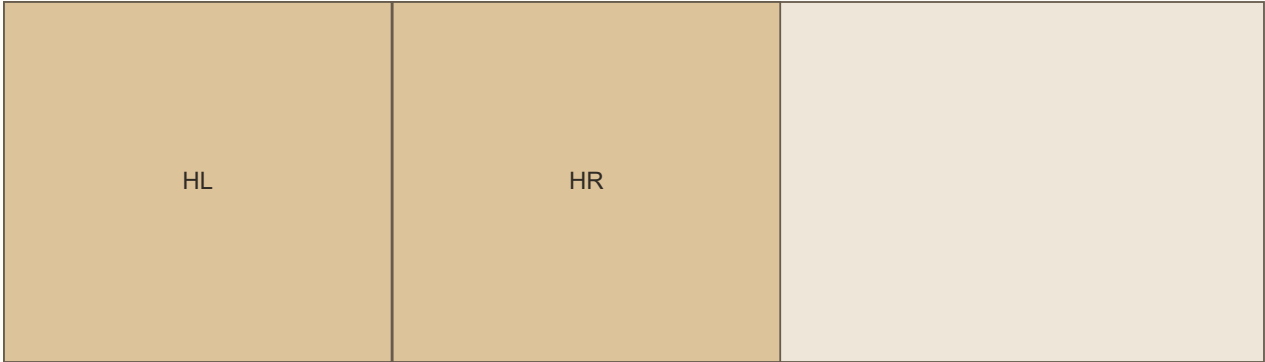
Part ID	Stock X / Y	Rough length × width
TRACK-T	0 in (0 mm) / 0 in (0 mm)	87 15/32 in (2221.71 mm) × 1 in (25.4 mm)
JAMBL	87 19/32 in (2224.88 mm) / 0 in (0 mm)	11 13/32 in (289.72 mm) × 1 in (25.4 mm)
JAMBR	99 1/8 in (2517.78 mm) / 0 in (0 mm)	11 13/32 in (289.72 mm) × 1 in (25.4 mm)

Stock 144 in (3657.6 mm) × 1 in (25.4 mm); perimeter trim 0 in (0 mm); kerf / separation 1/8 in (3.18 mm). Full cut order and offcuts are in the versioned specification.

KV995-1 · rough-stock cutting plan

KV995-1 · rough-blank cutting layout

144 in (3657.6 mm) × 1 in (25.4 mm) · KV995



Origin: lower LEFT · X / grain → · Y ↑ · Width enlarged; use dimensions.

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
Specified perimeter trim 0 in (0 mm); blade kerf / separation 1/8 in (3.18 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

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

KV995-1 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

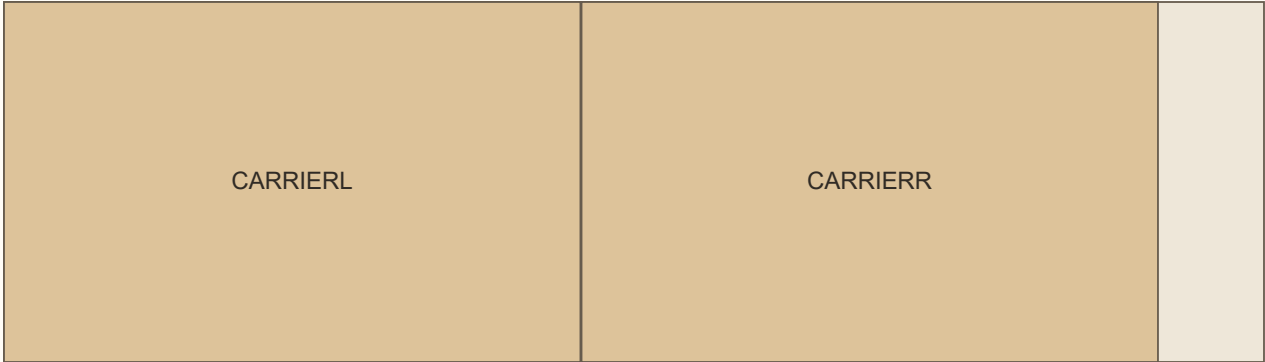
Part ID	Stock X / Y	Rough length × width
HL	0 in (0 mm) / 0 in (0 mm)	44.293875 in (1125.06 mm) × 1 in (25.4 mm)
HR	44.418875 in (1128.24 mm) / 0 in (0 mm)	44.293875 in (1125.06 mm) × 1 in (25.4 mm)

Stock 144 in (3657.6 mm) × 1 in (25.4 mm); perimeter trim 0 in (0 mm); kerf / separation 1/8 in (3.18 mm). Full cut order and offcuts are in the versioned specification.

KV997-1 · rough-stock cutting plan

KV997-1 · rough-blank cutting layout

144 in (3657.6 mm) × 1 in (25.4 mm) · KV997



Origin: lower LEFT · X / grain → · Y ↑ · Width enlarged; use dimensions.

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
Specified perimeter trim 0 in (0 mm); blade kerf / separation 1/8 in (3.18 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

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

KV997-1 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

Part ID	Stock X / Y	Rough length × width
CARRIERL	0 in (0 mm) / 0 in (0 mm)	65.8783125 in (1673.31 mm) × 1 in (25.4 mm)
CARRIERR	66.0033125 in (1676.48 mm) / 0 in (0 mm)	65.8783125 in (1673.31 mm) × 1 in (25.4 mm)

Stock 144 in (3657.6 mm) × 1 in (25.4 mm); perimeter trim 0 in (0 mm); kerf / separation 1/8 in (3.18 mm). Full cut order and offcuts are in the versioned specification.

KV999-1 · rough-stock cutting plan

KV999-1 · rough-blank cutting layout

144 in (3657.6 mm) × 1 in (25.4 mm) · KV999



Origin: lower LEFT · X / grain → · Y ↑ · Width enlarged; use dimensions.

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
Specified perimeter trim 0 in (0 mm); blade kerf / separation 1/8 in (3.18 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

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

KV999-1 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

Part ID	Stock X / Y	Rough length × width
TRACK-B	0 in (0 mm) / 0 in (0 mm)	87 15/32 in (2221.71 mm) × 1 in (25.4 mm)

Stock 144 in (3657.6 mm) × 1 in (25.4 mm); perimeter trim 0 in (0 mm); kerf / separation 1/8 in (3.18 mm). Full cut order and offcuts are in the versioned specification.

HDPE-1 · rough-stock cutting plan

HDPE-1 · rough-blank cutting layout

24 in (609.6 mm) × 12 in (304.8 mm) · HDPE



Origin: lower LEFT · X / grain → · Y ↑

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
Specified perimeter trim 1/8 in (3.18 mm); blade kerf / separation 1/8 in (3.18 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

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

HDPE-1 · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

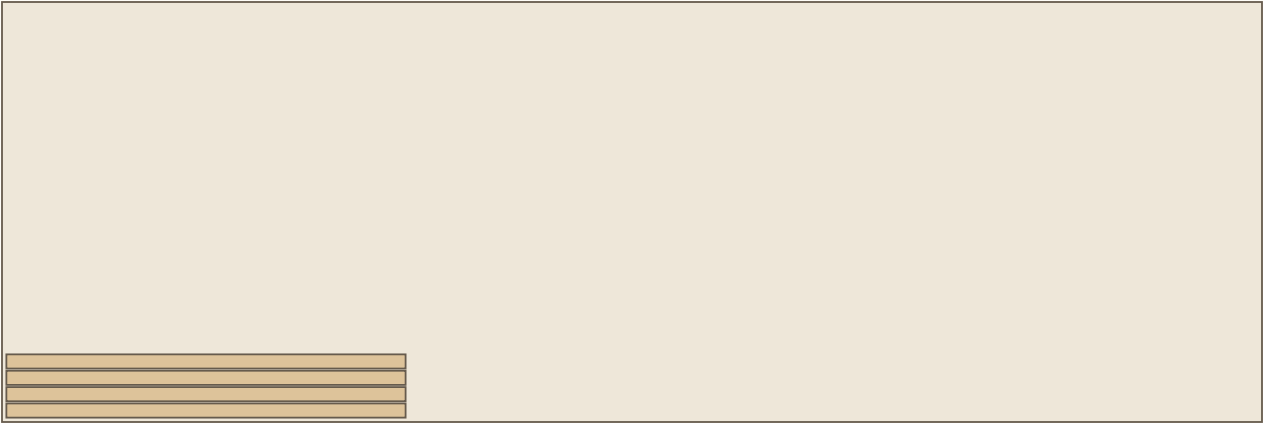
Part ID	Stock X / Y	Rough length × width
ALF1	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	21.9609375 in (557.81 mm) × 7/16 in (11.11 mm)
ALF2	1/8 in (3.18 mm) / 11/16 in (17.46 mm)	21.9609375 in (557.81 mm) × 7/16 in (11.11 mm)
ALF3	1/8 in (3.18 mm) / 1 1/4 in (31.75 mm)	21.9609375 in (557.81 mm) × 7/16 in (11.11 mm)
ALF4	1/8 in (3.18 mm) / 1 13/16 in (46.04 mm)	21.9609375 in (557.81 mm) × 7/16 in (11.11 mm)
ALB1	1/8 in (3.18 mm) / 2 3/8 in (60.33 mm)	21.9609375 in (557.81 mm) × 7/16 in (11.11 mm)
ALB2	1/8 in (3.18 mm) / 2 15/16 in (74.61 mm)	21.9609375 in (557.81 mm) × 7/16 in (11.11 mm)
ALB3	1/8 in (3.18 mm) / 3 1/2 in (88.9 mm)	21.9609375 in (557.81 mm) × 7/16 in (11.11 mm)
ALB4	1/8 in (3.18 mm) / 4 1/16 in (103.19 mm)	21.9609375 in (557.81 mm) × 7/16 in (11.11 mm)

Stock 24 in (609.6 mm) × 12 in (304.8 mm); perimeter trim 1/8 in (3.18 mm); kerf / separation 1/8 in (3.18 mm). Full cut order and offcuts are in the versioned specification.

PAD-1 · rough-stock cutting plan

PAD-1 · rough-blank cutting layout

36 in (914.4 mm) × 12 in (304.8 mm) · PAD



Origin: lower LEFT · X / grain → · Y ↑

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
Specified perimeter trim 1/8 in (3.18 mm); blade kerf / separation 1/16 in (1.59 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

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

PAD-1 • exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

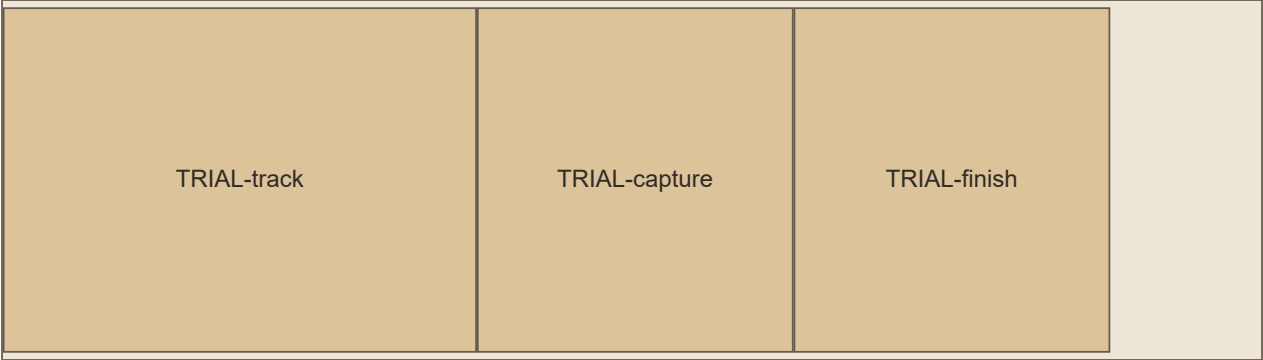
Part ID	Stock X / Y	Rough length × width
STOPLF	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	11 13/32 in (289.72 mm) × 0.405 in (10.29 mm)
STOPLB	1/8 in (3.18 mm) / 0.5925 in (15.05 mm)	11 13/32 in (289.72 mm) × 0.405 in (10.29 mm)
STOPRF	1/8 in (3.18 mm) / 1.06 in (26.92 mm)	11 13/32 in (289.72 mm) × 0.405 in (10.29 mm)
STOPRB	1/8 in (3.18 mm) / 1.5275 in (38.8 mm)	11 13/32 in (289.72 mm) × 0.405 in (10.29 mm)

Stock 36 in (914.4 mm) × 12 in (304.8 mm); perimeter trim 1/8 in (3.18 mm); kerf / separation 1/16 in (1.59 mm). Full cut order and offcuts are in the versioned specification.

PINE-TRIAL · rough-stock cutting plan

PINE-TRIAL · rough-blank cutting layout

96 in (2438.4 mm) × 5 1/2 in (139.7 mm) · PINE



Origin: lower LEFT · X / grain → · Y ↑ · Width enlarged; use dimensions.

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
Specified perimeter trim 1/8 in (3.18 mm); blade kerf / separation 1/8 in (3.18 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

Dedicated wide stock for safe test routing, hardware and coating samples; actual machinery minimum feed lengths govern

PINE-TRIAL · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

Part ID	Stock X / Y	Rough length × width
TRIAL-track	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	36 in (914.4 mm) × 5 1/4 in (133.35 mm)
TRIAL-capture	36 1/4 in (920.75 mm) / 1/8 in (3.18 mm)	24 in (609.6 mm) × 5 1/4 in (133.35 mm)
TRIAL-finish	60 3/8 in (1533.53 mm) / 1/8 in (3.18 mm)	24 in (609.6 mm) × 5 1/4 in (133.35 mm)

Stock 96 in (2438.4 mm) × 5 1/2 in (139.7 mm); perimeter trim 1/8 in (3.18 mm); kerf / separation 1/8 in (3.18 mm). Full cut order and offcuts are in the versioned specification.

LINER · rough-stock cutting plan

LINER · rough-blank cutting layout

120 in (3048 mm) × 96 in (2438.4 mm) · LINER



Origin: lower LEFT · X / grain → · Y ↑

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
Specified perimeter trim 0 in (0 mm); blade kerf / separation 0 in (0 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

Full-width blank; dry fold before any final trim. No cut through a watertight corner.

LINER · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

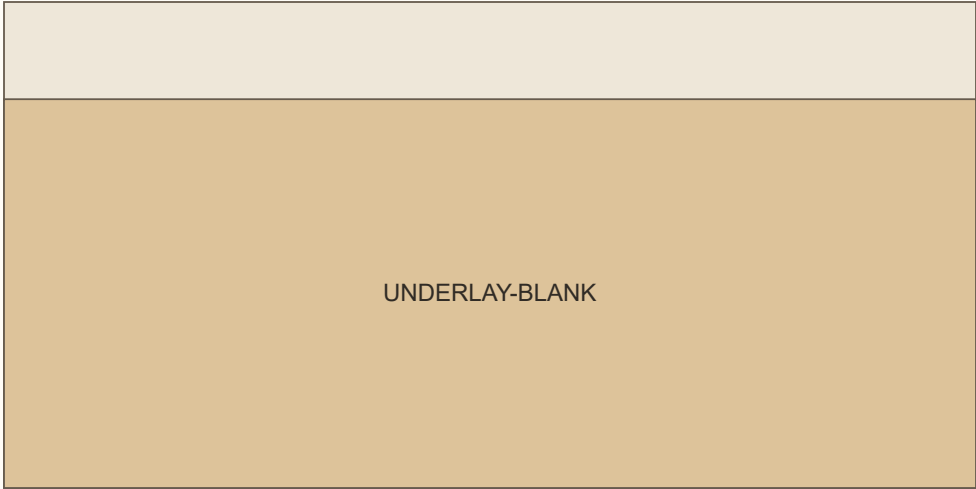
Part ID	Stock X / Y	Rough length × width
LINER-BLANK	0 in (0 mm) / 0 in (0 mm)	120 in (3048 mm) × 48 in (1219.2 mm)

Stock 120 in (3048 mm) × 96 in (2438.4 mm); perimeter trim 0 in (0 mm); kerf / separation 0 in (0 mm). Full cut order and offcuts are in the versioned specification.

UNDERLAY · rough-stock cutting plan

UNDERLAY · rough-blank cutting layout

120 in (3048 mm) × 60 in (1524 mm) · UNDERLAY



Origin: lower LEFT · X / grain → · Y ↑

Keep the exact grain direction. Use the matching coordinate table for narrow pieces and cut order.
Specified perimeter trim 0 in (0 mm); blade kerf / separation 0 in (0 mm).

N06 · V5 candidate 02 · Reference geometry; verify actual received parts

Read IDs with the exact coordinate table; retain grain, trim and kerf

Full-width blank. Reserve offcut for double pads over the recessed interior washers and nuts.

UNDERLAY · exact rough blank positions

X runs along the stock length; Y across its width. Both start at the illustrated lower-left corner. These are stock coordinates, not assembled fastener coordinates. All dimensions include the stated rough allowance; keep each blank labeled.

Part ID	Stock X / Y	Rough length × width
UNDERLAY-BLANK	0 in (0 mm) / 0 in (0 mm)	120 in (3048 mm) × 48 in (1219.2 mm)

Stock 120 in (3048 mm) × 60 in (1524 mm); perimeter trim 0 in (0 mm); kerf / separation 0 in (0 mm). Full cut order and offcuts are in the versioned specification.

Use the exact fastener stations

Coordinates are X from outside LEFT, Y from outside FRONT and Z from FLOOR UNDERSIDE. Direction gives the driver axis. Mark these datums on the setup board and transfer through clamped mating parts. Pilot sizes start with the receiving trial; include the drill point in the depth stop.

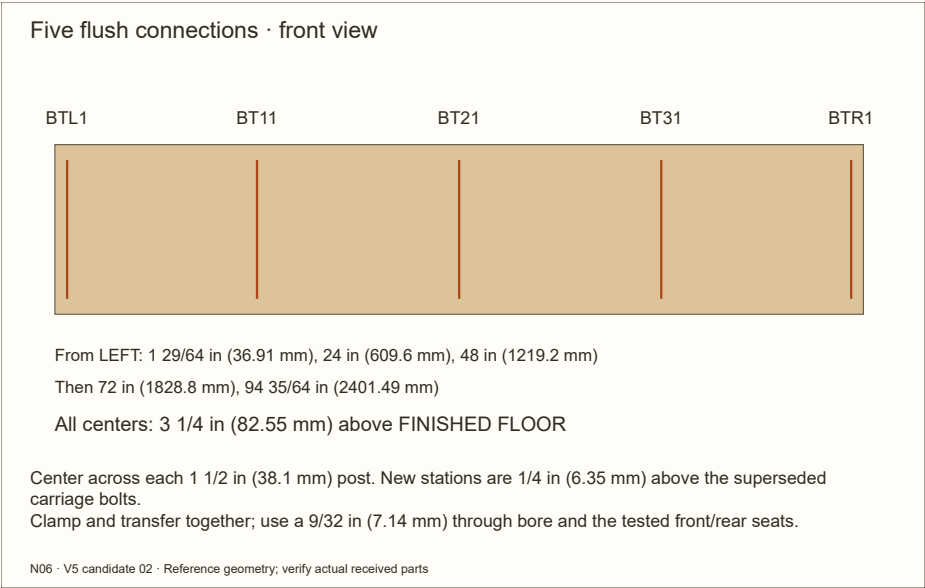
Veneer has head-access openings. Every head stays on its original wood bearing plane, so the planned receiver engagement does not change. Revised side-jamb and front-roof rows alternate between solid frame layers, avoiding the glue seam.

Hardware	Installed count
W125	163
W200	44
W100	182
TRACK	16

Exact part drawings, all stock coordinates and cut order are included in the workshop package. The receiving record is separate from these digital dimensions.

[Versioned specification](#) · [Cut CSV](#) · [Fastener CSV](#) · [BOM](#) · [Workshop package](#)

Flush retainer fastener positions

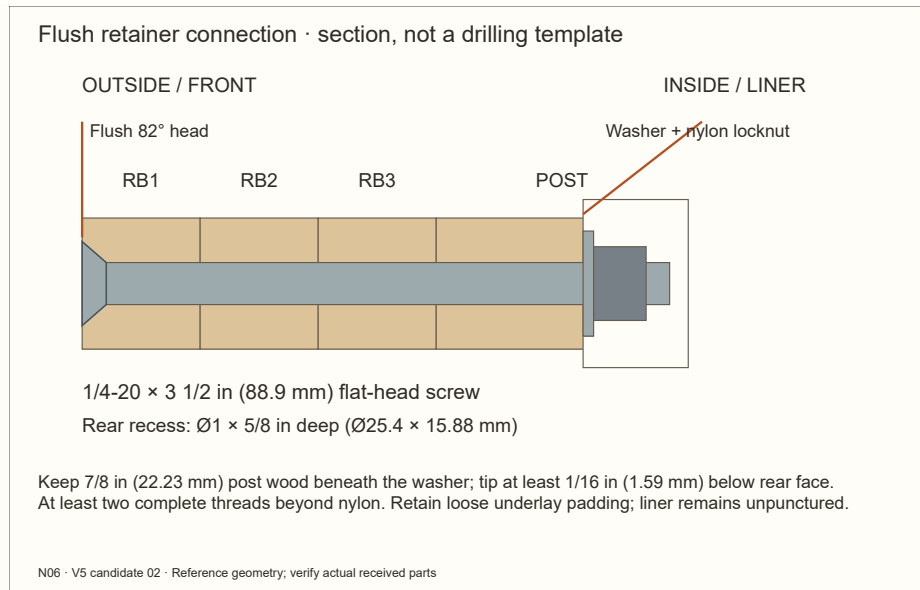


The revised through-connections keep their heads flush at the front

ID / post	Center X / Z	Direction / length
BTL1 / CFL	1 29/64 in (36.91 mm) / 4 5/64 in (103.58 mm)	+Y · 3 1/2 in (88.9 mm)
BT11 / CF1	24 in (609.6 mm) / 4 5/64 in (103.58 mm)	+Y · 3 1/2 in (88.9 mm)
BT21 / CF2	48 in (1219.2 mm) / 4 5/64 in (103.58 mm)	+Y · 3 1/2 in (88.9 mm)
BT31 / CF3	72 in (1828.8 mm) / 4 5/64 in (103.58 mm)	+Y · 3 1/2 in (88.9 mm)
BTR1 / CFR	94 35/64 in (2401.49 mm) / 4 5/64 in (103.58 mm)	+Y · 3 1/2 in (88.9 mm)

Y = 0 at bare front wood. Z is from the outside floor underside. Heads remain below the veneer surface; do not cover their hex drives.

Rear post recess and hardware trial



Recessed washer and nylon locknut; section schematic

Each rear post recess is round: 1 in (25.4 mm) diameter and 5/8 in (15.88 mm) deep. Keep at least 7/8 in (22.23 mm) of post wood beneath the washer. This is a flat-bottom counterbore, not a rectangular pocket. The separate front head seat is 82 degrees.

Actual washer thickness must be no more than 1/16 in (1.59 mm). Match the received nut and screw so two complete threads pass the nylon and the tip remains at least 1/16 in (1.59 mm) below the post rear. Trial a 7/16 in (11.11 mm) socket with outside diameter no more than 7/8 in (22.23 mm), and sufficient internal depth to clear the tail. Clamp the joint closed first, then tighten by hand. Stop if stainless threads bind.

Fastener stations · 1–16

X / Y / Z from the outside assembly datums. Use the exact named first part and receiver. Hardware samples control clearance/countersink forms.

ID	Through → receiver	Start X / Y / Z	Direction / length
S-CLB-0	P01 → CLB	1.45312 / 3.10938 / 0 in 36.91 / 78.98 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CLB-1	P01 → CLB	1.45312 / 7.90625 / 0 in 36.91 / 200.82 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CLB-2	P01 → CLB	1.45312 / 12.70312 / 0 in 36.91 / 322.66 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CLB-3	P01 → CLB	1.45312 / 17.5 / 0 in 36.91 / 444.50 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CLB-4	P01 → CLB	1.45312 / 22.29688 / 0 in 36.91 / 566.34 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CRB-0	P01 → CRB	94.54688 / 3.10938 / 0 in 2401.49 / 78.98 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CRB-1	P01 → CRB	94.54688 / 7.90625 / 0 in 2401.49 / 200.82 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CRB-2	P01 → CRB	94.54688 / 12.70312 / 0 in 2401.49 / 322.66 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CRB-3	P01 → CRB	94.54688 / 17.5 / 0 in 2401.49 / 444.50 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CRB-4	P01 → CRB	94.54688 / 22.29688 / 0 in 2401.49 / 566.34 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CF-0	P01 → CF	3.20312 / 2.85938 / 0 in 81.36 / 72.63 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CF-1	P01 → CF	9.17604 / 2.85938 / 0 in 233.07 / 72.63 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CF-2	P01 → CF	15.14896 / 2.85938 / 0 in 384.78 / 72.63 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CF-3	P01 → CF	21.12187 / 2.85938 / 0 in 536.50 / 72.63 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CF-4	P01 → CF	27.09479 / 2.85938 / 0 in 688.21 / 72.63 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CF-5	P01 → CF	33.06771 / 2.85938 / 0 in 839.92 / 72.63 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)

Fastener stations · 17–32

X / Y / Z from the outside assembly datums. Use the exact named first part and receiver. Hardware samples control clearance/countersink forms.

ID	Through → receiver	Start X / Y / Z	Direction / length
S-CF-6	P01 → CF	39.04062 / 2.85938 / 0 in 991.63 / 72.63 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CF-7	P01 → CF	45.01354 / 2.85938 / 0 in 1143.34 / 72.63 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CF-8	P01 → CF	50.98646 / 2.85938 / 0 in 1295.06 / 72.63 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CF-9	P01 → CF	56.95938 / 2.85938 / 0 in 1446.77 / 72.63 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CF-10	P01 → CF	62.93229 / 2.85938 / 0 in 1598.48 / 72.63 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CF-11	P01 → CF	68.90521 / 2.85938 / 0 in 1750.19 / 72.63 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CF-12	P01 → CF	74.87812 / 2.85938 / 0 in 1901.90 / 72.63 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CF-13	P01 → CF	80.85104 / 2.85938 / 0 in 2053.62 / 72.63 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CF-14	P01 → CF	86.82396 / 2.85938 / 0 in 2205.33 / 72.63 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CF-15	P01 → CF	92.79688 / 2.85938 / 0 in 2357.04 / 72.63 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CB-0	P01 → CB	3.20312 / 22.54688 / 0 in 81.36 / 572.69 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CB-1	P01 → CB	9.17604 / 22.54688 / 0 in 233.07 / 572.69 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CB-2	P01 → CB	15.14896 / 22.54688 / 0 in 384.78 / 572.69 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CB-3	P01 → CB	21.12187 / 22.54688 / 0 in 536.50 / 572.69 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CB-4	P01 → CB	27.09479 / 22.54688 / 0 in 688.21 / 572.69 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CB-5	P01 → CB	33.06771 / 22.54688 / 0 in 839.92 / 572.69 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)

Fastener stations · 33–48

X / Y / Z from the outside assembly datums. Use the exact named first part and receiver. Hardware samples control clearance/countersink forms.

ID	Through → receiver	Start X / Y / Z	Direction / length
S-CB-6	P01 → CB	39.04062 / 22.54688 / 0 in 991.63 / 572.69 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CB-7	P01 → CB	45.01354 / 22.54688 / 0 in 1143.34 / 572.69 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CB-8	P01 → CB	50.98646 / 22.54688 / 0 in 1295.06 / 572.69 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CB-9	P01 → CB	56.95938 / 22.54688 / 0 in 1446.77 / 572.69 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CB-10	P01 → CB	62.93229 / 22.54688 / 0 in 1598.48 / 572.69 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CB-11	P01 → CB	68.90521 / 22.54688 / 0 in 1750.19 / 572.69 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CB-12	P01 → CB	74.87812 / 22.54688 / 0 in 1901.90 / 572.69 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CB-13	P01 → CB	80.85104 / 22.54688 / 0 in 2053.62 / 572.69 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CB-14	P01 → CB	86.82396 / 22.54688 / 0 in 2205.33 / 572.69 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CB-15	P01 → CB	92.79688 / 22.54688 / 0 in 2357.04 / 572.69 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-WL-CLB-0	P03L → CLB	0 / 3.10938 / 1.45312 in 0.00 / 78.98 / 36.91 mm	+X · 1 1/4 in (31.75 mm)
S-WL-CLB-1	P03L → CLB	0 / 7.90625 / 1.45312 in 0.00 / 200.82 / 36.91 mm	+X · 1 1/4 in (31.75 mm)
S-WL-CLB-2	P03L → CLB	0 / 12.70312 / 1.45312 in 0.00 / 322.66 / 36.91 mm	+X · 1 1/4 in (31.75 mm)
S-WL-CLB-3	P03L → CLB	0 / 17.5 / 1.45312 in 0.00 / 444.50 / 36.91 mm	+X · 1 1/4 in (31.75 mm)
S-WL-CLB-4	P03L → CLB	0 / 22.29688 / 1.45312 in 0.00 / 566.34 / 36.91 mm	+X · 1 1/4 in (31.75 mm)
S-WL-CLT-0	P03L → CLT	0 / 2.5 / 22.54688 in 0.00 / 63.50 / 572.69 mm	+X · 1 1/4 in (31.75 mm)

Fastener stations · 49–64

X / Y / Z from the outside assembly datums. Use the exact named first part and receiver. Hardware samples control clearance/countersink forms.

ID	Through → receiver	Start X / Y / Z	Direction / length
S-WL-CLT-1	P03L → CLT	0 / 7.44922 / 22.54688 in 0.00 / 189.21 / 572.69 mm	+X · 1 1/4 in (31.75 mm)
S-WL-CLT-2	P03L → CLT	0 / 12.39844 / 22.54688 in 0.00 / 314.92 / 572.69 mm	+X · 1 1/4 in (31.75 mm)
S-WL-CLT-3	P03L → CLT	0 / 17.34766 / 22.54688 in 0.00 / 440.63 / 572.69 mm	+X · 1 1/4 in (31.75 mm)
S-WL-CLT-4	P03L → CLT	0 / 22.29688 / 22.54688 in 0.00 / 566.34 / 572.69 mm	+X · 1 1/4 in (31.75 mm)
S-WL-CLU-0	P03L → CLU	0 / 22.54688 / 3.20312 in 0.00 / 572.69 / 81.36 mm	+X · 1 1/4 in (31.75 mm)
S-WL-CLU-1	P03L → CLU	0 / 22.54688 / 9.06771 in 0.00 / 572.69 / 230.32 mm	+X · 1 1/4 in (31.75 mm)
S-WL-CLU-2	P03L → CLU	0 / 22.54688 / 14.93229 in 0.00 / 572.69 / 379.28 mm	+X · 1 1/4 in (31.75 mm)
S-WL-CLU-3	P03L → CLU	0 / 22.54688 / 20.79688 in 0.00 / 572.69 / 528.24 mm	+X · 1 1/4 in (31.75 mm)
S-WR-CRB-0	P03R → CRB	96 / 3.10938 / 1.45312 in 2438.40 / 78.98 / 36.91 mm	-X · 1 1/4 in (31.75 mm)
S-WR-CRB-1	P03R → CRB	96 / 7.90625 / 1.45312 in 2438.40 / 200.82 / 36.91 mm	-X · 1 1/4 in (31.75 mm)
S-WR-CRB-2	P03R → CRB	96 / 12.70312 / 1.45312 in 2438.40 / 322.66 / 36.91 mm	-X · 1 1/4 in (31.75 mm)
S-WR-CRB-3	P03R → CRB	96 / 17.5 / 1.45312 in 2438.40 / 444.50 / 36.91 mm	-X · 1 1/4 in (31.75 mm)
S-WR-CRB-4	P03R → CRB	96 / 22.29688 / 1.45312 in 2438.40 / 566.34 / 36.91 mm	-X · 1 1/4 in (31.75 mm)
S-WR-CRT-0	P03R → CRT	96 / 2.5 / 22.54688 in 2438.40 / 63.50 / 572.69 mm	-X · 1 1/4 in (31.75 mm)
S-WR-CRT-1	P03R → CRT	96 / 7.44922 / 22.54688 in 2438.40 / 189.21 / 572.69 mm	-X · 1 1/4 in (31.75 mm)
S-WR-CRT-2	P03R → CRT	96 / 12.39844 / 22.54688 in 2438.40 / 314.92 / 572.69 mm	-X · 1 1/4 in (31.75 mm)

Fastener stations · 65–80

X / Y / Z from the outside assembly datums. Use the exact named first part and receiver. Hardware samples control clearance/countersink forms.

ID	Through → receiver	Start X / Y / Z	Direction / length
S-WR-CRT-3	P03R → CRT	96 / 17.34766 / 22.54688 in 2438.40 / 440.63 / 572.69 mm	–X · 1 1/4 in (31.75 mm)
S-WR-CRT-4	P03R → CRT	96 / 22.29688 / 22.54688 in 2438.40 / 566.34 / 572.69 mm	–X · 1 1/4 in (31.75 mm)
S-WR-CRU-0	P03R → CRU	96 / 22.54688 / 3.20312 in 2438.40 / 572.69 / 81.36 mm	–X · 1 1/4 in (31.75 mm)
S-WR-CRU-1	P03R → CRU	96 / 22.54688 / 9.06771 in 2438.40 / 572.69 / 230.32 mm	–X · 1 1/4 in (31.75 mm)
S-WR-CRU-2	P03R → CRU	96 / 22.54688 / 14.93229 in 2438.40 / 572.69 / 379.28 mm	–X · 1 1/4 in (31.75 mm)
S-WR-CRU-3	P03R → CRU	96 / 22.54688 / 20.79688 in 2438.40 / 572.69 / 528.24 mm	–X · 1 1/4 in (31.75 mm)
S-B-CB-0	P04 → CB	3.20312 / 24 / 1.45312 in 81.36 / 609.60 / 36.91 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CB-1	P04 → CB	9.17604 / 24 / 1.45312 in 233.07 / 609.60 / 36.91 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CB-2	P04 → CB	15.14896 / 24 / 1.45312 in 384.78 / 609.60 / 36.91 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CB-3	P04 → CB	21.12187 / 24 / 1.45312 in 536.50 / 609.60 / 36.91 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CB-4	P04 → CB	27.09479 / 24 / 1.45312 in 688.21 / 609.60 / 36.91 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CB-5	P04 → CB	33.06771 / 24 / 1.45312 in 839.92 / 609.60 / 36.91 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CB-6	P04 → CB	39.04062 / 24 / 1.45312 in 991.63 / 609.60 / 36.91 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CB-7	P04 → CB	45.01354 / 24 / 1.45312 in 1143.34 / 609.60 / 36.91 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CB-8	P04 → CB	50.98646 / 24 / 1.45312 in 1295.06 / 609.60 / 36.91 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CB-9	P04 → CB	56.95938 / 24 / 1.45312 in 1446.77 / 609.60 / 36.91 mm	–Y · 1 1/4 in (31.75 mm)

Fastener stations · 81–96

X / Y / Z from the outside assembly datums. Use the exact named first part and receiver. Hardware samples control clearance/countersink forms.

ID	Through → receiver	Start X / Y / Z	Direction / length
S-B-CB-10	P04 → CB	62.93229 / 24 / 1.45312 in 1598.48 / 609.60 / 36.91 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CB-11	P04 → CB	68.90521 / 24 / 1.45312 in 1750.19 / 609.60 / 36.91 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CB-12	P04 → CB	74.87812 / 24 / 1.45312 in 1901.90 / 609.60 / 36.91 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CB-13	P04 → CB	80.85104 / 24 / 1.45312 in 2053.62 / 609.60 / 36.91 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CB-14	P04 → CB	86.82396 / 24 / 1.45312 in 2205.33 / 609.60 / 36.91 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CB-15	P04 → CB	92.79688 / 24 / 1.45312 in 2357.04 / 609.60 / 36.91 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CT-0	P04 → CT	3.20312 / 24 / 22.54688 in 81.36 / 609.60 / 572.69 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CT-1	P04 → CT	9.17604 / 24 / 22.54688 in 233.07 / 609.60 / 572.69 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CT-2	P04 → CT	15.14896 / 24 / 22.54688 in 384.78 / 609.60 / 572.69 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CT-3	P04 → CT	21.12187 / 24 / 22.54688 in 536.50 / 609.60 / 572.69 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CT-4	P04 → CT	27.09479 / 24 / 22.54688 in 688.21 / 609.60 / 572.69 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CT-5	P04 → CT	33.06771 / 24 / 22.54688 in 839.92 / 609.60 / 572.69 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CT-6	P04 → CT	39.04062 / 24 / 22.54688 in 991.63 / 609.60 / 572.69 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CT-7	P04 → CT	45.01354 / 24 / 22.54688 in 1143.34 / 609.60 / 572.69 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CT-8	P04 → CT	50.98646 / 24 / 22.54688 in 1295.06 / 609.60 / 572.69 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CT-9	P04 → CT	56.95938 / 24 / 22.54688 in 1446.77 / 609.60 / 572.69 mm	–Y · 1 1/4 in (31.75 mm)

Fastener stations · 97–112

X / Y / Z from the outside assembly datums. Use the exact named first part and receiver. Hardware samples control clearance/countersink forms.

ID	Through → receiver	Start X / Y / Z	Direction / length
S-B-CT-10	P04 → CT	62.93229 / 24 / 22.54688 in 1598.48 / 609.60 / 572.69 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CT-11	P04 → CT	68.90521 / 24 / 22.54688 in 1750.19 / 609.60 / 572.69 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CT-12	P04 → CT	74.87812 / 24 / 22.54688 in 1901.90 / 609.60 / 572.69 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CT-13	P04 → CT	80.85104 / 24 / 22.54688 in 2053.62 / 609.60 / 572.69 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CT-14	P04 → CT	86.82396 / 24 / 22.54688 in 2205.33 / 609.60 / 572.69 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CT-15	P04 → CT	92.79688 / 24 / 22.54688 in 2357.04 / 609.60 / 572.69 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CLU-0	P04 → CLU	1.45312 / 24 / 3.50312 in 36.91 / 609.60 / 88.98 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CLU-1	P04 → CLU	1.45312 / 24 / 9.36771 in 36.91 / 609.60 / 237.94 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CLU-2	P04 → CLU	1.45312 / 24 / 15.23229 in 36.91 / 609.60 / 386.90 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CLU-3	P04 → CLU	1.45312 / 24 / 21.09688 in 36.91 / 609.60 / 535.86 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CRU-0	P04 → CRU	94.54688 / 24 / 3.50312 in 2401.49 / 609.60 / 88.98 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CRU-1	P04 → CRU	94.54688 / 24 / 9.36771 in 2401.49 / 609.60 / 237.94 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CRU-2	P04 → CRU	94.54688 / 24 / 15.23229 in 2401.49 / 609.60 / 386.90 mm	–Y · 1 1/4 in (31.75 mm)
S-B-CRU-3	P04 → CRU	94.54688 / 24 / 21.09688 in 2401.49 / 609.60 / 535.86 mm	–Y · 1 1/4 in (31.75 mm)
S-RBL-0	P03L → RB2	0 / 1.05469 / 1.70312 in 0.00 / 26.79 / 43.26 mm	+X · 2 in (50.8 mm)
S-RBL-1	P03L → RB2	0 / 1.05469 / 5.82812 in 0.00 / 26.79 / 148.03 mm	+X · 2 in (50.8 mm)

Fastener stations · 113–128

X / Y / Z from the outside assembly datums. Use the exact named first part and receiver. Hardware samples control clearance/countersink forms.

ID	Through → receiver	Start X / Y / Z	Direction / length
S-JL-0	P03L → F0L	0 / 0.375 / 7.82812 in 0.00 / 9.52 / 198.83 mm	+X · 2 in (50.8 mm)
S-JL-1	P03L → F1L	0 / 1.125 / 12.65104 in 0.00 / 28.57 / 321.34 mm	+X · 2 in (50.8 mm)
S-JL-2	P03L → F0L	0 / 0.375 / 17.47396 in 0.00 / 9.52 / 443.84 mm	+X · 2 in (50.8 mm)
S-JL-3	P03L → F1T	0 / 1.125 / 22.29688 in 0.00 / 28.57 / 566.34 mm	+X · 2 in (50.8 mm)
S-RBR-0	P03R → RB2	96 / 1.05469 / 1.70312 in 2438.40 / 26.79 / 43.26 mm	−X · 2 in (50.8 mm)
S-RBR-1	P03R → RB2	96 / 1.05469 / 5.82812 in 2438.40 / 26.79 / 148.03 mm	−X · 2 in (50.8 mm)
S-JR-0	P03R → F0R	96 / 0.375 / 7.82812 in 2438.40 / 9.52 / 198.83 mm	−X · 2 in (50.8 mm)
S-JR-1	P03R → F1R	96 / 1.125 / 12.65104 in 2438.40 / 28.57 / 321.34 mm	−X · 2 in (50.8 mm)
S-JR-2	P03R → F0R	96 / 0.375 / 17.47396 in 2438.40 / 9.52 / 443.84 mm	−X · 2 in (50.8 mm)
S-JR-3	P03R → F1T	96 / 1.125 / 22.29688 in 2438.40 / 28.57 / 566.34 mm	−X · 2 in (50.8 mm)
S-RBF-0	RB1 → RB3	3.20312 / 0 / 1.45312 in 81.36 / 0.00 / 36.91 mm	+Y · 2 in (50.8 mm)
S-RBF-1	RB1 → RB3	9.17604 / 0 / 1.45312 in 233.07 / 0.00 / 36.91 mm	+Y · 2 in (50.8 mm)
S-RBF-2	RB1 → RB3	15.14896 / 0 / 1.45312 in 384.78 / 0.00 / 36.91 mm	+Y · 2 in (50.8 mm)
S-RBF-3	RB1 → RB3	21.12187 / 0 / 1.45312 in 536.50 / 0.00 / 36.91 mm	+Y · 2 in (50.8 mm)
S-RBF-4	RB1 → RB3	27.09479 / 0 / 1.45312 in 688.21 / 0.00 / 36.91 mm	+Y · 2 in (50.8 mm)
S-RBF-5	RB1 → RB3	33.06771 / 0 / 1.45312 in 839.92 / 0.00 / 36.91 mm	+Y · 2 in (50.8 mm)

Fastener stations · 129–144

X / Y / Z from the outside assembly datums. Use the exact named first part and receiver. Hardware samples control clearance/countersink forms.

ID	Through → receiver	Start X / Y / Z	Direction / length
S-RBF-6	RB1 → RB3	39.04062 / 0 / 1.45312 in 991.63 / 0.00 / 36.91 mm	+Y · 2 in (50.8 mm)
S-RBF-7	RB1 → RB3	45.01354 / 0 / 1.45312 in 1143.34 / 0.00 / 36.91 mm	+Y · 2 in (50.8 mm)
S-RBF-8	RB1 → RB3	50.98646 / 0 / 1.45312 in 1295.06 / 0.00 / 36.91 mm	+Y · 2 in (50.8 mm)
S-RBF-9	RB1 → RB3	56.95938 / 0 / 1.45312 in 1446.77 / 0.00 / 36.91 mm	+Y · 2 in (50.8 mm)
S-RBF-10	RB1 → RB3	62.93229 / 0 / 1.45312 in 1598.48 / 0.00 / 36.91 mm	+Y · 2 in (50.8 mm)
S-RBF-11	RB1 → RB3	68.90521 / 0 / 1.45312 in 1750.19 / 0.00 / 36.91 mm	+Y · 2 in (50.8 mm)
S-RBF-12	RB1 → RB3	74.87812 / 0 / 1.45312 in 1901.90 / 0.00 / 36.91 mm	+Y · 2 in (50.8 mm)
S-RBF-13	RB1 → RB3	80.85104 / 0 / 1.45312 in 2053.62 / 0.00 / 36.91 mm	+Y · 2 in (50.8 mm)
S-RBF-14	RB1 → RB3	86.82396 / 0 / 1.45312 in 2205.33 / 0.00 / 36.91 mm	+Y · 2 in (50.8 mm)
S-RBF-15	RB1 → RB3	92.79688 / 0 / 1.45312 in 2357.04 / 0.00 / 36.91 mm	+Y · 2 in (50.8 mm)
S-RBC-0	CF → RB3	3.57812 / 3.60938 / 1.45312 in 90.88 / 91.68 / 36.91 mm	−Y · 2 in (50.8 mm)
S-RBC-1	CF → RB3	9.55104 / 3.60938 / 1.45312 in 242.60 / 91.68 / 36.91 mm	−Y · 2 in (50.8 mm)
S-RBC-2	CF → RB3	15.52396 / 3.60938 / 1.45312 in 394.31 / 91.68 / 36.91 mm	−Y · 2 in (50.8 mm)
S-RBC-3	CF → RB3	21.49687 / 3.60938 / 1.45312 in 546.02 / 91.68 / 36.91 mm	−Y · 2 in (50.8 mm)
S-RBC-4	CF → RB3	27.46979 / 3.60938 / 1.45312 in 697.73 / 91.68 / 36.91 mm	−Y · 2 in (50.8 mm)
S-RBC-5	CF → RB3	33.44271 / 3.60938 / 1.45312 in 849.44 / 91.68 / 36.91 mm	−Y · 2 in (50.8 mm)

Fastener stations · 145–160

X / Y / Z from the outside assembly datums. Use the exact named first part and receiver. Hardware samples control clearance/countersink forms.

ID	Through → receiver	Start X / Y / Z	Direction / length
S-RBC-6	CF → RB3	39.41562 / 3.60938 / 1.45312 in 1001.16 / 91.68 / 36.91 mm	−Y · 2 in (50.8 mm)
S-RBC-7	CF → RB3	45.38854 / 3.60938 / 1.45312 in 1152.87 / 91.68 / 36.91 mm	−Y · 2 in (50.8 mm)
S-RBC-8	CF → RB3	51.36146 / 3.60938 / 1.45312 in 1304.58 / 91.68 / 36.91 mm	−Y · 2 in (50.8 mm)
S-RBC-9	CF → RB3	57.33438 / 3.60938 / 1.45312 in 1456.29 / 91.68 / 36.91 mm	−Y · 2 in (50.8 mm)
S-RBC-10	CF → RB3	63.30729 / 3.60938 / 1.45312 in 1608.01 / 91.68 / 36.91 mm	−Y · 2 in (50.8 mm)
S-RBC-11	CF → RB3	69.28021 / 3.60938 / 1.45312 in 1759.72 / 91.68 / 36.91 mm	−Y · 2 in (50.8 mm)
S-RBC-12	CF → RB3	75.25312 / 3.60938 / 1.45312 in 1911.43 / 91.68 / 36.91 mm	−Y · 2 in (50.8 mm)
S-RBC-13	CF → RB3	81.22604 / 3.60938 / 1.45312 in 2063.14 / 91.68 / 36.91 mm	−Y · 2 in (50.8 mm)
S-RBC-14	CF → RB3	87.19896 / 3.60938 / 1.45312 in 2214.85 / 91.68 / 36.91 mm	−Y · 2 in (50.8 mm)
S-RBC-15	CF → RB3	93.17188 / 3.60938 / 1.45312 in 2366.57 / 91.68 / 36.91 mm	−Y · 2 in (50.8 mm)
S-VLB-0	VLB → P03L	−0.375 / 5.625 / 7.07812 in −9.52 / 142.88 / 179.78 mm	+X · 1 in (25.4 mm)
S-VLB-1	VLB → P03L	−0.375 / 8.8125 / 7.07812 in −9.52 / 223.84 / 179.78 mm	+X · 1 in (25.4 mm)
S-VLB-2	VLB → P03L	−0.375 / 12 / 7.07812 in −9.52 / 304.80 / 179.78 mm	+X · 1 in (25.4 mm)
S-VLB-3	VLB → P03L	−0.375 / 15.1875 / 7.07812 in −9.52 / 385.76 / 179.78 mm	+X · 1 in (25.4 mm)
S-VLB-4	VLB → P03L	−0.375 / 18.375 / 7.07812 in −9.52 / 466.72 / 179.78 mm	+X · 1 in (25.4 mm)
S-VLT-0	VLT → P03L	−0.375 / 5.625 / 11.57812 in −9.52 / 142.88 / 294.08 mm	+X · 1 in (25.4 mm)

Fastener stations · 161–176

X / Y / Z from the outside assembly datums. Use the exact named first part and receiver. Hardware samples control clearance/countersink forms.

ID	Through → receiver	Start X / Y / Z	Direction / length
S-VLT-1	VLT → P03L	-0.375 / 8.8125 / 11.57812 in -9.52 / 223.84 / 294.08 mm	+X · 1 in (25.4 mm)
S-VLT-2	VLT → P03L	-0.375 / 12 / 11.57812 in -9.52 / 304.80 / 294.08 mm	+X · 1 in (25.4 mm)
S-VLT-3	VLT → P03L	-0.375 / 15.1875 / 11.57812 in -9.52 / 385.76 / 294.08 mm	+X · 1 in (25.4 mm)
S-VLT-4	VLT → P03L	-0.375 / 18.375 / 11.57812 in -9.52 / 466.72 / 294.08 mm	+X · 1 in (25.4 mm)
S-VLF-0	VLF → P03L	-0.375 / 5.25 / 8.20312 in -9.52 / 133.35 / 208.36 mm	+X · 1 in (25.4 mm)
S-VLF-1	VLF → P03L	-0.375 / 5.25 / 10.45312 in -9.52 / 133.35 / 265.51 mm	+X · 1 in (25.4 mm)
S-VLA-0	VLA → P03L	-0.375 / 18.75 / 8.20312 in -9.52 / 476.25 / 208.36 mm	+X · 1 in (25.4 mm)
S-VLA-1	VLA → P03L	-0.375 / 18.75 / 10.45312 in -9.52 / 476.25 / 265.51 mm	+X · 1 in (25.4 mm)
S-VRB-0	VRB → P03R	96.375 / 5.625 / 7.07812 in 2447.92 / 142.88 / 179.78 mm	-X · 1 in (25.4 mm)
S-VRB-1	VRB → P03R	96.375 / 8.8125 / 7.07812 in 2447.92 / 223.84 / 179.78 mm	-X · 1 in (25.4 mm)
S-VRB-2	VRB → P03R	96.375 / 12 / 7.07812 in 2447.92 / 304.80 / 179.78 mm	-X · 1 in (25.4 mm)
S-VRB-3	VRB → P03R	96.375 / 15.1875 / 7.07812 in 2447.92 / 385.76 / 179.78 mm	-X · 1 in (25.4 mm)
S-VRB-4	VRB → P03R	96.375 / 18.375 / 7.07812 in 2447.92 / 466.72 / 179.78 mm	-X · 1 in (25.4 mm)
S-VRT-0	VRT → P03R	96.375 / 5.625 / 11.57812 in 2447.92 / 142.88 / 294.08 mm	-X · 1 in (25.4 mm)
S-VRT-1	VRT → P03R	96.375 / 8.8125 / 11.57812 in 2447.92 / 223.84 / 294.08 mm	-X · 1 in (25.4 mm)
S-VRT-2	VRT → P03R	96.375 / 12 / 11.57812 in 2447.92 / 304.80 / 294.08 mm	-X · 1 in (25.4 mm)

Fastener stations · 177–192

X / Y / Z from the outside assembly datums. Use the exact named first part and receiver. Hardware samples control clearance/countersink forms.

ID	Through → receiver	Start X / Y / Z	Direction / length
S-VRT-3	VRT → P03R	96.375 / 15.1875 / 11.57812 in 2447.92 / 385.76 / 294.08 mm	-X · 1 in (25.4 mm)
S-VRT-4	VRT → P03R	96.375 / 18.375 / 11.57812 in 2447.92 / 466.72 / 294.08 mm	-X · 1 in (25.4 mm)
S-VRF-0	VRF → P03R	96.375 / 5.25 / 8.20312 in 2447.92 / 133.35 / 208.36 mm	-X · 1 in (25.4 mm)
S-VRF-1	VRF → P03R	96.375 / 5.25 / 10.45312 in 2447.92 / 133.35 / 265.51 mm	-X · 1 in (25.4 mm)
S-VRA-0	VRA → P03R	96.375 / 18.75 / 8.20312 in 2447.92 / 476.25 / 208.36 mm	-X · 1 in (25.4 mm)
S-VRA-1	VRA → P03R	96.375 / 18.75 / 10.45312 in 2447.92 / 476.25 / 265.51 mm	-X · 1 in (25.4 mm)
S-CR1-0	P02 → CR1	26 / 1.875 / 24 in 660.40 / 47.62 / 609.60 mm	-Z · 1 1/4 in (31.75 mm)
S-CR1-1	P02 → CR1	26 / 6.76172 / 24 in 660.40 / 171.75 / 609.60 mm	-Z · 1 1/4 in (31.75 mm)
S-CR1-2	P02 → CR1	26 / 11.64844 / 24 in 660.40 / 295.87 / 609.60 mm	-Z · 1 1/4 in (31.75 mm)
S-CR1-3	P02 → CR1	26 / 16.53516 / 24 in 660.40 / 419.99 / 609.60 mm	-Z · 1 1/4 in (31.75 mm)
S-CR1-4	P02 → CR1	26 / 21.42188 / 24 in 660.40 / 544.12 / 609.60 mm	-Z · 1 1/4 in (31.75 mm)
S-CR2-0	P02 → CR2	48 / 1.875 / 24 in 1219.20 / 47.62 / 609.60 mm	-Z · 1 1/4 in (31.75 mm)
S-CR2-1	P02 → CR2	48 / 6.76172 / 24 in 1219.20 / 171.75 / 609.60 mm	-Z · 1 1/4 in (31.75 mm)
S-CR2-2	P02 → CR2	48 / 11.64844 / 24 in 1219.20 / 295.87 / 609.60 mm	-Z · 1 1/4 in (31.75 mm)
S-CR2-3	P02 → CR2	48 / 16.53516 / 24 in 1219.20 / 419.99 / 609.60 mm	-Z · 1 1/4 in (31.75 mm)
S-CR2-4	P02 → CR2	48 / 21.42188 / 24 in 1219.20 / 544.12 / 609.60 mm	-Z · 1 1/4 in (31.75 mm)

Fastener stations · 193–208

X / Y / Z from the outside assembly datums. Use the exact named first part and receiver. Hardware samples control clearance/countersink forms.

ID	Through → receiver	Start X / Y / Z	Direction / length
S-CR3-0	P02 → CR3	70 / 1.875 / 24 in 1778.00 / 47.62 / 609.60 mm	-Z · 1 1/4 in (31.75 mm)
S-CR3-1	P02 → CR3	70 / 6.76172 / 24 in 1778.00 / 171.75 / 609.60 mm	-Z · 1 1/4 in (31.75 mm)
S-CR3-2	P02 → CR3	70 / 11.64844 / 24 in 1778.00 / 295.87 / 609.60 mm	-Z · 1 1/4 in (31.75 mm)
S-CR3-3	P02 → CR3	70 / 16.53516 / 24 in 1778.00 / 419.99 / 609.60 mm	-Z · 1 1/4 in (31.75 mm)
S-CR3-4	P02 → CR3	70 / 21.42188 / 24 in 1778.00 / 544.12 / 609.60 mm	-Z · 1 1/4 in (31.75 mm)
S-RTLF-0	RTLF → P02	5.625 / 3.25 / 22.92188 in 142.88 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLF-1	RTLF → P02	10.3125 / 3.25 / 22.92188 in 261.94 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLF-2	RTLF → P02	15 / 3.25 / 22.92188 in 381.00 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLF-3	RTLF → P02	19.6875 / 3.25 / 22.92188 in 500.06 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLF-4	RTLF → P02	24.375 / 3.25 / 22.92188 in 619.12 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLA-0	RTLA → P02	5.625 / 20.75 / 22.92188 in 142.88 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLA-1	RTLA → P02	10.3125 / 20.75 / 22.92188 in 261.94 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLA-2	RTLA → P02	15 / 20.75 / 22.92188 in 381.00 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLA-3	RTLA → P02	19.6875 / 20.75 / 22.92188 in 500.06 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLA-4	RTLA → P02	24.375 / 20.75 / 22.92188 in 619.12 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLL-0	RTLL → P02	5.25 / 4.375 / 22.92188 in 133.35 / 111.12 / 582.22 mm	+Z · 1 in (25.4 mm)

Fastener stations · 209–224

X / Y / Z from the outside assembly datums. Use the exact named first part and receiver. Hardware samples control clearance/countersink forms.

ID	Through → receiver	Start X / Y / Z	Direction / length
S-RTLL-1	RTLL → P02	5.25 / 8.1875 / 22.92188 in 133.35 / 207.96 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLL-2	RTLL → P02	5.25 / 12 / 22.92188 in 133.35 / 304.80 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLL-3	RTLL → P02	5.25 / 15.8125 / 22.92188 in 133.35 / 401.64 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLL-4	RTLL → P02	5.25 / 19.625 / 22.92188 in 133.35 / 498.47 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLRL-0	RTLRL → P02	24.75 / 4.375 / 22.92188 in 628.65 / 111.12 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLRL-1	RTLRL → P02	24.75 / 8.1875 / 22.92188 in 628.65 / 207.96 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLRL-2	RTLRL → P02	24.75 / 12 / 22.92188 in 628.65 / 304.80 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLRL-3	RTLRL → P02	24.75 / 15.8125 / 22.92188 in 628.65 / 401.64 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLRL-4	RTLRL → P02	24.75 / 19.625 / 22.92188 in 628.65 / 498.47 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTMF-0	RTMF → P02	27.625 / 3.25 / 22.92188 in 701.67 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTMF-1	RTMF → P02	32.3125 / 3.25 / 22.92188 in 820.74 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTMF-2	RTMF → P02	37 / 3.25 / 22.92188 in 939.80 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTMF-3	RTMF → P02	41.6875 / 3.25 / 22.92188 in 1058.86 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTMF-4	RTMF → P02	46.375 / 3.25 / 22.92188 in 1177.92 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTMA-0	RTMA → P02	27.625 / 20.75 / 22.92188 in 701.67 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTMA-1	RTMA → P02	32.3125 / 20.75 / 22.92188 in 820.74 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)

Fastener stations · 225–240

X / Y / Z from the outside assembly datums. Use the exact named first part and receiver. Hardware samples control clearance/countersink forms.

ID	Through → receiver	Start X / Y / Z	Direction / length
S-RTMA-2	RTMA → P02	37 / 20.75 / 22.92188 in 939.80 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTMA-3	RTMA → P02	41.6875 / 20.75 / 22.92188 in 1058.86 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTMA-4	RTMA → P02	46.375 / 20.75 / 22.92188 in 1177.92 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTML-0	RTML → P02	27.25 / 4.375 / 22.92188 in 692.15 / 111.12 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTML-1	RTML → P02	27.25 / 8.1875 / 22.92188 in 692.15 / 207.96 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTML-2	RTML → P02	27.25 / 12 / 22.92188 in 692.15 / 304.80 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTML-3	RTML → P02	27.25 / 15.8125 / 22.92188 in 692.15 / 401.64 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTML-4	RTML → P02	27.25 / 19.625 / 22.92188 in 692.15 / 498.47 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTMR-0	RTMR → P02	46.75 / 4.375 / 22.92188 in 1187.45 / 111.12 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTMR-1	RTMR → P02	46.75 / 8.1875 / 22.92188 in 1187.45 / 207.96 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTMR-2	RTMR → P02	46.75 / 12 / 22.92188 in 1187.45 / 304.80 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTMR-3	RTMR → P02	46.75 / 15.8125 / 22.92188 in 1187.45 / 401.64 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTMR-4	RTMR → P02	46.75 / 19.625 / 22.92188 in 1187.45 / 498.47 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTNF-0	RTNF → P02	49.625 / 3.25 / 22.92188 in 1260.47 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTNF-1	RTNF → P02	54.3125 / 3.25 / 22.92188 in 1379.54 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTNF-2	RTNF → P02	59 / 3.25 / 22.92188 in 1498.60 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)

Fastener stations · 241–256

X / Y / Z from the outside assembly datums. Use the exact named first part and receiver. Hardware samples control clearance/countersink forms.

ID	Through → receiver	Start X / Y / Z	Direction / length
S-RTNF-3	RTNF → P02	63.6875 / 3.25 / 22.92188 in 1617.66 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTNF-4	RTNF → P02	68.375 / 3.25 / 22.92188 in 1736.72 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTNA-0	RTNA → P02	49.625 / 20.75 / 22.92188 in 1260.47 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTNA-1	RTNA → P02	54.3125 / 20.75 / 22.92188 in 1379.54 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTNA-2	RTNA → P02	59 / 20.75 / 22.92188 in 1498.60 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTNA-3	RTNA → P02	63.6875 / 20.75 / 22.92188 in 1617.66 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTNA-4	RTNA → P02	68.375 / 20.75 / 22.92188 in 1736.72 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTNL-0	RTNL → P02	49.25 / 4.375 / 22.92188 in 1250.95 / 111.12 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTNL-1	RTNL → P02	49.25 / 8.1875 / 22.92188 in 1250.95 / 207.96 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTNL-2	RTNL → P02	49.25 / 12 / 22.92188 in 1250.95 / 304.80 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTNL-3	RTNL → P02	49.25 / 15.8125 / 22.92188 in 1250.95 / 401.64 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTNL-4	RTNL → P02	49.25 / 19.625 / 22.92188 in 1250.95 / 498.47 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTNR-0	RTNR → P02	68.75 / 4.375 / 22.92188 in 1746.25 / 111.12 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTNR-1	RTNR → P02	68.75 / 8.1875 / 22.92188 in 1746.25 / 207.96 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTNR-2	RTNR → P02	68.75 / 12 / 22.92188 in 1746.25 / 304.80 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTNR-3	RTNR → P02	68.75 / 15.8125 / 22.92188 in 1746.25 / 401.64 / 582.22 mm	+Z · 1 in (25.4 mm)

Fastener stations · 257–272

X / Y / Z from the outside assembly datums. Use the exact named first part and receiver. Hardware samples control clearance/countersink forms.

ID	Through → receiver	Start X / Y / Z	Direction / length
S-RTNR-4	RTNR → P02	68.75 / 19.625 / 22.92188 in 1746.25 / 498.47 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRF-0	RTRF → P02	71.625 / 3.25 / 22.92188 in 1819.27 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRF-1	RTRF → P02	76.3125 / 3.25 / 22.92188 in 1938.34 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRF-2	RTRF → P02	81 / 3.25 / 22.92188 in 2057.40 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRF-3	RTRF → P02	85.6875 / 3.25 / 22.92188 in 2176.46 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRF-4	RTRF → P02	90.375 / 3.25 / 22.92188 in 2295.53 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRA-0	RTRA → P02	71.625 / 20.75 / 22.92188 in 1819.27 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRA-1	RTRA → P02	76.3125 / 20.75 / 22.92188 in 1938.34 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRA-2	RTRA → P02	81 / 20.75 / 22.92188 in 2057.40 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRA-3	RTRA → P02	85.6875 / 20.75 / 22.92188 in 2176.46 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRA-4	RTRA → P02	90.375 / 20.75 / 22.92188 in 2295.53 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRL-0	RTRL → P02	71.25 / 4.375 / 22.92188 in 1809.75 / 111.12 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRL-1	RTRL → P02	71.25 / 8.1875 / 22.92188 in 1809.75 / 207.96 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRL-2	RTRL → P02	71.25 / 12 / 22.92188 in 1809.75 / 304.80 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRL-3	RTRL → P02	71.25 / 15.8125 / 22.92188 in 1809.75 / 401.64 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRL-4	RTRL → P02	71.25 / 19.625 / 22.92188 in 1809.75 / 498.47 / 582.22 mm	+Z · 1 in (25.4 mm)

Fastener stations · 273–288

X / Y / Z from the outside assembly datums. Use the exact named first part and receiver. Hardware samples control clearance/countersink forms.

ID	Through → receiver	Start X / Y / Z	Direction / length
S-RTRR-0	RTRR → P02	90.75 / 4.375 / 22.92188 in 2305.05 / 111.12 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRR-1	RTRR → P02	90.75 / 8.1875 / 22.92188 in 2305.05 / 207.96 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRR-2	RTRR → P02	90.75 / 12 / 22.92188 in 2305.05 / 304.80 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRR-3	RTRR → P02	90.75 / 15.8125 / 22.92188 in 2305.05 / 401.64 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRR-4	RTRR → P02	90.75 / 19.625 / 22.92188 in 2305.05 / 498.47 / 582.22 mm	+Z · 1 in (25.4 mm)
S-ALF1-0	ALF1 → F0T	5.32812 / 0.4 / 19.39062 in 135.33 / 10.16 / 492.52 mm	+Z · 3/4 in (19.05 mm)
S-ALF1-1	ALF1 → F0T	25.16406 / 0.4 / 19.39062 in 639.17 / 10.16 / 492.52 mm	+Z · 3/4 in (19.05 mm)
S-ALF2-0	ALF2 → F0T	27.16406 / 0.4 / 19.39062 in 689.97 / 10.16 / 492.52 mm	+Z · 3/4 in (19.05 mm)
S-ALF2-1	ALF2 → F0T	47 / 0.4 / 19.39062 in 1193.80 / 10.16 / 492.52 mm	+Z · 3/4 in (19.05 mm)
S-ALF3-0	ALF3 → F0T	49 / 0.4 / 19.39062 in 1244.60 / 10.16 / 492.52 mm	+Z · 3/4 in (19.05 mm)
S-ALF3-1	ALF3 → F0T	68.83594 / 0.4 / 19.39062 in 1748.43 / 10.16 / 492.52 mm	+Z · 3/4 in (19.05 mm)
S-ALF4-0	ALF4 → F0T	70.83594 / 0.4 / 19.39062 in 1799.23 / 10.16 / 492.52 mm	+Z · 3/4 in (19.05 mm)
S-ALF4-1	ALF4 → F0T	90.67188 / 0.4 / 19.39062 in 2303.07 / 10.16 / 492.52 mm	+Z · 3/4 in (19.05 mm)
S-ALB1-0	ALB1 → F1T	5.32812 / 0.9 / 19.39062 in 135.33 / 22.86 / 492.52 mm	+Z · 3/4 in (19.05 mm)
S-ALB1-1	ALB1 → F1T	25.16406 / 0.9 / 19.39062 in 639.17 / 22.86 / 492.52 mm	+Z · 3/4 in (19.05 mm)
S-ALB2-0	ALB2 → F1T	27.16406 / 0.9 / 19.39062 in 689.97 / 22.86 / 492.52 mm	+Z · 3/4 in (19.05 mm)

Fastener stations · 289–304

X / Y / Z from the outside assembly datums. Use the exact named first part and receiver. Hardware samples control clearance/countersink forms.

ID	Through → receiver	Start X / Y / Z	Direction / length
S-ALB2-1	ALB2 → F1T	47 / 0.9 / 19.39062 in 1193.80 / 22.86 / 492.52 mm	+Z · 3/4 in (19.05 mm)
S-ALB3-0	ALB3 → F1T	49 / 0.9 / 19.39062 in 1244.60 / 22.86 / 492.52 mm	+Z · 3/4 in (19.05 mm)
S-ALB3-1	ALB3 → F1T	68.83594 / 0.9 / 19.39062 in 1748.43 / 22.86 / 492.52 mm	+Z · 3/4 in (19.05 mm)
S-ALB4-0	ALB4 → F1T	70.83594 / 0.9 / 19.39062 in 1799.23 / 22.86 / 492.52 mm	+Z · 3/4 in (19.05 mm)
S-ALB4-1	ALB4 → F1T	90.67188 / 0.9 / 19.39062 in 2303.07 / 22.86 / 492.52 mm	+Z · 3/4 in (19.05 mm)
S-LCL-0	LCL → P03L	1.20312 / 4.68938 / 6.20312 in 30.56 / 119.11 / 157.56 mm	-X · 1 in (25.4 mm)
S-LCL-1	LCL → P03L	1.20312 / 8.69625 / 6.20312 in 30.56 / 220.88 / 157.56 mm	-X · 1 in (25.4 mm)
S-LCL-2	LCL → P03L	1.20312 / 12.70313 / 6.20312 in 30.56 / 322.66 / 157.56 mm	-X · 1 in (25.4 mm)
S-LCL-3	LCL → P03L	1.20312 / 16.71 / 6.20312 in 30.56 / 424.43 / 157.56 mm	-X · 1 in (25.4 mm)
S-LCL-4	LCL → P03L	1.20312 / 20.71688 / 6.20312 in 30.56 / 526.21 / 157.56 mm	-X · 1 in (25.4 mm)
S-LCR-0	LCR → P03R	94.79688 / 4.68938 / 6.20312 in 2407.84 / 119.11 / 157.56 mm	+X · 1 in (25.4 mm)
S-LCR-1	LCR → P03R	94.79688 / 8.69625 / 6.20312 in 2407.84 / 220.88 / 157.56 mm	+X · 1 in (25.4 mm)
S-LCR-2	LCR → P03R	94.79688 / 12.70313 / 6.20312 in 2407.84 / 322.66 / 157.56 mm	+X · 1 in (25.4 mm)
S-LCR-3	LCR → P03R	94.79688 / 16.71 / 6.20312 in 2407.84 / 424.43 / 157.56 mm	+X · 1 in (25.4 mm)
S-LCR-4	LCR → P03R	94.79688 / 20.71688 / 6.20312 in 2407.84 / 526.21 / 157.56 mm	+X · 1 in (25.4 mm)
S-LCF1-0	LCF1 → RB3	3.15813 / 2.60938 / 6.20312 in 80.22 / 66.28 / 157.56 mm	-Y · 1 in (25.4 mm)

Fastener stations · 305–320

X / Y / Z from the outside assembly datums. Use the exact named first part and receiver. Hardware samples control clearance/countersink forms.

ID	Through → receiver	Start X / Y / Z	Direction / length
S-LCF1-1	LCF1 → RB3	7.94234 / 2.60938 / 6.20312 in 201.74 / 66.28 / 157.56 mm	–Y · 1 in (25.4 mm)
S-LCF1-2	LCF1 → RB3	12.72656 / 2.60938 / 6.20312 in 323.25 / 66.28 / 157.56 mm	–Y · 1 in (25.4 mm)
S-LCF1-3	LCF1 → RB3	17.51078 / 2.60938 / 6.20312 in 444.77 / 66.28 / 157.56 mm	–Y · 1 in (25.4 mm)
S-LCF1-4	LCF1 → RB3	22.295 / 2.60938 / 6.20312 in 566.29 / 66.28 / 157.56 mm	–Y · 1 in (25.4 mm)
S-LCF2-0	LCF2 → RB3	25.705 / 2.60938 / 6.20312 in 652.91 / 66.28 / 157.56 mm	–Y · 1 in (25.4 mm)
S-LCF2-1	LCF2 → RB3	29.823 / 2.60938 / 6.20312 in 757.50 / 66.28 / 157.56 mm	–Y · 1 in (25.4 mm)
S-LCF2-2	LCF2 → RB3	33.941 / 2.60938 / 6.20312 in 862.10 / 66.28 / 157.56 mm	–Y · 1 in (25.4 mm)
S-LCF2-3	LCF2 → RB3	38.059 / 2.60938 / 6.20312 in 966.70 / 66.28 / 157.56 mm	–Y · 1 in (25.4 mm)
S-LCF2-4	LCF2 → RB3	42.177 / 2.60938 / 6.20312 in 1071.30 / 66.28 / 157.56 mm	–Y · 1 in (25.4 mm)
S-LCF2-5	LCF2 → RB3	46.295 / 2.60938 / 6.20312 in 1175.89 / 66.28 / 157.56 mm	–Y · 1 in (25.4 mm)
S-LCF3-0	LCF3 → RB3	49.705 / 2.60938 / 6.20312 in 1262.51 / 66.28 / 157.56 mm	–Y · 1 in (25.4 mm)
S-LCF3-1	LCF3 → RB3	53.823 / 2.60938 / 6.20312 in 1367.10 / 66.28 / 157.56 mm	–Y · 1 in (25.4 mm)
S-LCF3-2	LCF3 → RB3	57.941 / 2.60938 / 6.20312 in 1471.70 / 66.28 / 157.56 mm	–Y · 1 in (25.4 mm)
S-LCF3-3	LCF3 → RB3	62.059 / 2.60938 / 6.20312 in 1576.30 / 66.28 / 157.56 mm	–Y · 1 in (25.4 mm)
S-LCF3-4	LCF3 → RB3	66.177 / 2.60938 / 6.20312 in 1680.90 / 66.28 / 157.56 mm	–Y · 1 in (25.4 mm)
S-LCF3-5	LCF3 → RB3	70.295 / 2.60938 / 6.20312 in 1785.49 / 66.28 / 157.56 mm	–Y · 1 in (25.4 mm)

Fastener stations · 321–336

X / Y / Z from the outside assembly datums. Use the exact named first part and receiver. Hardware samples control clearance/countersink forms.

ID	Through → receiver	Start X / Y / Z	Direction / length
S-LCF4-0	LCF4 → RB3	73.705 / 2.60938 / 6.20312 in 1872.11 / 66.28 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCF4-1	LCF4 → RB3	78.48922 / 2.60938 / 6.20312 in 1993.63 / 66.28 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCF4-2	LCF4 → RB3	83.27344 / 2.60938 / 6.20312 in 2115.15 / 66.28 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCF4-3	LCF4 → RB3	88.05766 / 2.60938 / 6.20312 in 2236.66 / 66.28 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCF4-4	LCF4 → RB3	92.84188 / 2.60938 / 6.20312 in 2358.18 / 66.28 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCB1-0	LCB1 → P04	3.15813 / 22.79688 / 6.20312 in 80.22 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB1-1	LCB1 → P04	7.94234 / 22.79688 / 6.20312 in 201.74 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB1-2	LCB1 → P04	12.72656 / 22.79688 / 6.20312 in 323.25 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB1-3	LCB1 → P04	17.51078 / 22.79688 / 6.20312 in 444.77 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB1-4	LCB1 → P04	22.295 / 22.79688 / 6.20312 in 566.29 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB2-0	LCB2 → P04	25.705 / 22.79688 / 6.20312 in 652.91 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB2-1	LCB2 → P04	29.823 / 22.79688 / 6.20312 in 757.50 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB2-2	LCB2 → P04	33.941 / 22.79688 / 6.20312 in 862.10 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB2-3	LCB2 → P04	38.059 / 22.79688 / 6.20312 in 966.70 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB2-4	LCB2 → P04	42.177 / 22.79688 / 6.20312 in 1071.30 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB2-5	LCB2 → P04	46.295 / 22.79688 / 6.20312 in 1175.89 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)

Fastener stations · 337–352

X / Y / Z from the outside assembly datums. Use the exact named first part and receiver. Hardware samples control clearance/countersink forms.

ID	Through → receiver	Start X / Y / Z	Direction / length
S-LCB3-0	LCB3 → P04	49.705 / 22.79688 / 6.20312 in 1262.51 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB3-1	LCB3 → P04	53.823 / 22.79688 / 6.20312 in 1367.10 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB3-2	LCB3 → P04	57.941 / 22.79688 / 6.20312 in 1471.70 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB3-3	LCB3 → P04	62.059 / 22.79688 / 6.20312 in 1576.30 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB3-4	LCB3 → P04	66.177 / 22.79688 / 6.20312 in 1680.90 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB3-5	LCB3 → P04	70.295 / 22.79688 / 6.20312 in 1785.49 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB4-0	LCB4 → P04	73.705 / 22.79688 / 6.20312 in 1872.11 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB4-1	LCB4 → P04	78.48922 / 22.79688 / 6.20312 in 1993.63 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB4-2	LCB4 → P04	83.27344 / 22.79688 / 6.20312 in 2115.15 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB4-3	LCB4 → P04	88.05766 / 22.79688 / 6.20312 in 2236.66 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB4-4	LCB4 → P04	92.84188 / 22.79688 / 6.20312 in 2358.18 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCQL-0	LCQL → CFL	1.32812 / 4.10938 / 6.20312 in 33.73 / 104.38 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCQL-1	LCQL → CFL	1.70312 / 4.10938 / 6.20312 in 43.26 / 104.38 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCQ1-0	LCQ1 → CF1	23.75 / 4.10938 / 6.20312 in 603.25 / 104.38 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCQ1-1	LCQ1 → CF1	24.25 / 4.10938 / 6.20312 in 615.95 / 104.38 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCQ2-0	LCQ2 → CF2	47.75 / 4.10938 / 6.20312 in 1212.85 / 104.38 / 157.56 mm	−Y · 1 in (25.4 mm)

Fastener stations · 353–368

X / Y / Z from the outside assembly datums. Use the exact named first part and receiver. Hardware samples control clearance/countersink forms.

ID	Through → receiver	Start X / Y / Z	Direction / length
S-LCQ2-1	LCQ2 → CF2	48.25 / 4.10938 / 6.20312 in 1225.55 / 104.38 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCQ3-0	LCQ3 → CF3	71.75 / 4.10938 / 6.20312 in 1822.45 / 104.38 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCQ3-1	LCQ3 → CF3	72.25 / 4.10938 / 6.20312 in 1835.15 / 104.38 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCQR-0	LCQR → CFR	94.29688 / 4.10938 / 6.20312 in 2395.14 / 104.38 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCQR-1	LCQR → CFR	94.67188 / 4.10938 / 6.20312 in 2404.67 / 104.38 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCPL-0	LCPL → CLU	1.32812 / 21.29688 / 6.20312 in 33.73 / 540.94 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCPL-1	LCPL → CLU	1.70312 / 21.29688 / 6.20312 in 43.26 / 540.94 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCP1-0	LCP1 → CM1	23.75 / 21.29688 / 6.20312 in 603.25 / 540.94 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCP1-1	LCP1 → CM1	24.25 / 21.29688 / 6.20312 in 615.95 / 540.94 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCP2-0	LCP2 → CM2	47.75 / 21.29688 / 6.20312 in 1212.85 / 540.94 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCP2-1	LCP2 → CM2	48.25 / 21.29688 / 6.20312 in 1225.55 / 540.94 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCP3-0	LCP3 → CM3	71.75 / 21.29688 / 6.20312 in 1822.45 / 540.94 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCP3-1	LCP3 → CM3	72.25 / 21.29688 / 6.20312 in 1835.15 / 540.94 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCPR-0	LCPR → CRU	94.29688 / 21.29688 / 6.20312 in 2395.14 / 540.94 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCPR-1	LCPR → CRU	94.67188 / 21.29688 / 6.20312 in 2404.67 / 540.94 / 157.56 mm	+Y · 1 in (25.4 mm)
S-ROOFL-0	P02 → CLT	1.45312 / 3 / 24 in 36.91 / 76.20 / 609.60 mm	−Z · 1 1/4 in (31.75 mm)

Fastener stations · 369–384

X / Y / Z from the outside assembly datums. Use the exact named first part and receiver. Hardware samples control clearance/countersink forms.

ID	Through → receiver	Start X / Y / Z	Direction / length
S-ROOFL-1	P02 → CLT	1.45312 / 12 / 24 in 36.91 / 304.80 / 609.60 mm	–Z · 1 1/4 in (31.75 mm)
S-ROOFL-2	P02 → CLT	1.45312 / 21 / 24 in 36.91 / 533.40 / 609.60 mm	–Z · 1 1/4 in (31.75 mm)
S-ROOFR-0	P02 → CRT	94.54688 / 3 / 24 in 2401.49 / 76.20 / 609.60 mm	–Z · 1 1/4 in (31.75 mm)
S-ROOFR-1	P02 → CRT	94.54688 / 12 / 24 in 2401.49 / 304.80 / 609.60 mm	–Z · 1 1/4 in (31.75 mm)
S-ROOFR-2	P02 → CRT	94.54688 / 21 / 24 in 2401.49 / 533.40 / 609.60 mm	–Z · 1 1/4 in (31.75 mm)
S-ROOFF-0	P02 → F0T	8 / 0.375 / 24 in 203.20 / 9.52 / 609.60 mm	–Z · 1 1/4 in (31.75 mm)
S-ROOFF-1	P02 → F1T	20 / 1.125 / 24 in 508.00 / 28.57 / 609.60 mm	–Z · 1 1/4 in (31.75 mm)
S-ROOFF-2	P02 → F0T	32 / 0.375 / 24 in 812.80 / 9.52 / 609.60 mm	–Z · 1 1/4 in (31.75 mm)
S-ROOFF-3	P02 → F1T	44 / 1.125 / 24 in 1117.60 / 28.57 / 609.60 mm	–Z · 1 1/4 in (31.75 mm)
S-ROOFF-4	P02 → F0T	56 / 0.375 / 24 in 1422.40 / 9.52 / 609.60 mm	–Z · 1 1/4 in (31.75 mm)
S-ROOFF-5	P02 → F1T	68 / 1.125 / 24 in 1727.20 / 28.57 / 609.60 mm	–Z · 1 1/4 in (31.75 mm)
S-ROOFF-6	P02 → F0T	80 / 0.375 / 24 in 2032.00 / 9.52 / 609.60 mm	–Z · 1 1/4 in (31.75 mm)
S-ROOFF-7	P02 → F1T	92 / 1.125 / 24 in 2336.80 / 28.57 / 609.60 mm	–Z · 1 1/4 in (31.75 mm)
S-ROOFB-0	P02 → CT	8 / 22.54688 / 24 in 203.20 / 572.69 / 609.60 mm	–Z · 1 1/4 in (31.75 mm)
S-ROOFB-1	P02 → CT	19 / 22.54688 / 24 in 482.60 / 572.69 / 609.60 mm	–Z · 1 1/4 in (31.75 mm)
S-ROOFB-2	P02 → CT	31 / 22.54688 / 24 in 787.40 / 572.69 / 609.60 mm	–Z · 1 1/4 in (31.75 mm)

Fastener stations · 385–400

X / Y / Z from the outside assembly datums. Use the exact named first part and receiver. Hardware samples control clearance/countersink forms.

ID	Through → receiver	Start X / Y / Z	Direction / length
S-ROOFB-3	P02 → CT	43 / 22.54688 / 24 in 1092.20 / 572.69 / 609.60 mm	–Z · 1 1/4 in (31.75 mm)
S-ROOFB-4	P02 → CT	55 / 22.54688 / 24 in 1397.00 / 572.69 / 609.60 mm	–Z · 1 1/4 in (31.75 mm)
S-ROOFB-5	P02 → CT	67 / 22.54688 / 24 in 1701.80 / 572.69 / 609.60 mm	–Z · 1 1/4 in (31.75 mm)
S-ROOFB-6	P02 → CT	79 / 22.54688 / 24 in 2006.60 / 572.69 / 609.60 mm	–Z · 1 1/4 in (31.75 mm)
S-ROOFB-7	P02 → CT	90 / 22.54688 / 24 in 2286.00 / 572.69 / 609.60 mm	–Z · 1 1/4 in (31.75 mm)
S-CFL-0	P03L → CFL	0 / 2.85938 / 3.32812 in 0.00 / 72.63 / 84.53 mm	+X · 1 1/4 in (31.75 mm)
S-CFL-1	P03L → CFL	0 / 2.85938 / 5.32812 in 0.00 / 72.63 / 135.33 mm	+X · 1 1/4 in (31.75 mm)
S-CFR-0	P03R → CFR	96 / 2.85938 / 3.32812 in 2438.40 / 72.63 / 84.53 mm	–X · 1 1/4 in (31.75 mm)
S-CFR-1	P03R → CFR	96 / 2.85938 / 5.32812 in 2438.40 / 72.63 / 135.33 mm	–X · 1 1/4 in (31.75 mm)
S-CM1-0	P04 → CM1	24 / 24 / 3.20312 in 609.60 / 609.60 / 81.36 mm	–Y · 1 1/4 in (31.75 mm)
S-CM1-1	P04 → CM1	24 / 24 / 9.06771 in 609.60 / 609.60 / 230.32 mm	–Y · 1 1/4 in (31.75 mm)
S-CM1-2	P04 → CM1	24 / 24 / 14.93229 in 609.60 / 609.60 / 379.28 mm	–Y · 1 1/4 in (31.75 mm)
S-CM1-3	P04 → CM1	24 / 24 / 20.79688 in 609.60 / 609.60 / 528.24 mm	–Y · 1 1/4 in (31.75 mm)
S-CM2-0	P04 → CM2	48 / 24 / 3.20312 in 1219.20 / 609.60 / 81.36 mm	–Y · 1 1/4 in (31.75 mm)
S-CM2-1	P04 → CM2	48 / 24 / 9.06771 in 1219.20 / 609.60 / 230.32 mm	–Y · 1 1/4 in (31.75 mm)
S-CM2-2	P04 → CM2	48 / 24 / 14.93229 in 1219.20 / 609.60 / 379.28 mm	–Y · 1 1/4 in (31.75 mm)

Fastener stations · 401–405

X / Y / Z from the outside assembly datums. Use the exact named first part and receiver. Hardware samples control clearance/countersink forms.

ID	Through → receiver	Start X / Y / Z	Direction / length
S-CM2-3	P04 → CM2	48 / 24 / 20.79688 in 1219.20 / 609.60 / 528.24 mm	–Y · 1 1/4 in (31.75 mm)
S-CM3-0	P04 → CM3	72 / 24 / 3.20312 in 1828.80 / 609.60 / 81.36 mm	–Y · 1 1/4 in (31.75 mm)
S-CM3-1	P04 → CM3	72 / 24 / 9.06771 in 1828.80 / 609.60 / 230.32 mm	–Y · 1 1/4 in (31.75 mm)
S-CM3-2	P04 → CM3	72 / 24 / 14.93229 in 1828.80 / 609.60 / 379.28 mm	–Y · 1 1/4 in (31.75 mm)
S-CM3-3	P04 → CM3	72 / 24 / 20.79688 in 1828.80 / 609.60 / 528.24 mm	–Y · 1 1/4 in (31.75 mm)

Openings and recessed captures

Coordinates use the outside assembly datums. Pocket rectangles describe the cutter envelope; only their overlap with each named capture is removed. Trial the actual welded stack and film before machining.

Cut / part	Lower corner X / Y / Z	Size X × Y × Z
POCKET-VLB / VLB	-0.088 in (-2.24 mm) / 5.476 in (139.09 mm) / 7.304125 in (185.52 mm)	0.088 in (2.24 mm) × 13.048 in (331.42 mm) × 4.048 in (102.82 mm)
POCKET-VLT / VLT	-0.088 in (-2.24 mm) / 5.476 in (139.09 mm) / 7.304125 in (185.52 mm)	0.088 in (2.24 mm) × 13.048 in (331.42 mm) × 4.048 in (102.82 mm)
POCKET-VLF / VLF	-0.088 in (-2.24 mm) / 5.476 in (139.09 mm) / 7.304125 in (185.52 mm)	0.088 in (2.24 mm) × 13.048 in (331.42 mm) × 4.048 in (102.82 mm)
POCKET-VLA / VLA	-0.088 in (-2.24 mm) / 5.476 in (139.09 mm) / 7.304125 in (185.52 mm)	0.088 in (2.24 mm) × 13.048 in (331.42 mm) × 4.048 in (102.82 mm)
POCKET-VRB / VRB	96 in (2438.4 mm) / 5.476 in (139.09 mm) / 7.304125 in (185.52 mm)	0.088 in (2.24 mm) × 13.048 in (331.42 mm) × 4.048 in (102.82 mm)
POCKET-VRT / VRT	96 in (2438.4 mm) / 5.476 in (139.09 mm) / 7.304125 in (185.52 mm)	0.088 in (2.24 mm) × 13.048 in (331.42 mm) × 4.048 in (102.82 mm)
POCKET-VRF / VRF	96 in (2438.4 mm) / 5.476 in (139.09 mm) / 7.304125 in (185.52 mm)	0.088 in (2.24 mm) × 13.048 in (331.42 mm) × 4.048 in (102.82 mm)
POCKET-VRA / VRA	96 in (2438.4 mm) / 5.476 in (139.09 mm) / 7.304125 in (185.52 mm)	0.088 in (2.24 mm) × 13.048 in (331.42 mm) × 4.048 in (102.82 mm)

Openings and recessed captures • continued

Coordinates use the outside assembly datums. Pocket rectangles describe the cutter envelope; only their overlap with each named capture is removed. Trial the actual welded stack and film before machining.

Cut / part	Lower corner X / Y / Z	Size X × Y × Z
POCKET-RTLF / RTLF	5.494 in (139.55 mm) / 3.494 in (88.75 mm) / 23.208875 in (589.51 mm)	19.012 in (482.9 mm) × 17.012 in (432.1 mm) × 0.088 in (2.24 mm)
POCKET-RTLA / RTLA	5.494 in (139.55 mm) / 3.494 in (88.75 mm) / 23.208875 in (589.51 mm)	19.012 in (482.9 mm) × 17.012 in (432.1 mm) × 0.088 in (2.24 mm)
POCKET-RTLL / RTLL	5.494 in (139.55 mm) / 3.494 in (88.75 mm) / 23.208875 in (589.51 mm)	19.012 in (482.9 mm) × 17.012 in (432.1 mm) × 0.088 in (2.24 mm)
POCKET-RTLRL / RTLRL	5.494 in (139.55 mm) / 3.494 in (88.75 mm) / 23.208875 in (589.51 mm)	19.012 in (482.9 mm) × 17.012 in (432.1 mm) × 0.088 in (2.24 mm)
POCKET-RTMF / RTMF	27.494 in (698.35 mm) / 3.494 in (88.75 mm) / 23.208875 in (589.51 mm)	19.012 in (482.9 mm) × 17.012 in (432.1 mm) × 0.088 in (2.24 mm)
POCKET-RTMA / RTMA	27.494 in (698.35 mm) / 3.494 in (88.75 mm) / 23.208875 in (589.51 mm)	19.012 in (482.9 mm) × 17.012 in (432.1 mm) × 0.088 in (2.24 mm)
POCKET-RTML / RTML	27.494 in (698.35 mm) / 3.494 in (88.75 mm) / 23.208875 in (589.51 mm)	19.012 in (482.9 mm) × 17.012 in (432.1 mm) × 0.088 in (2.24 mm)
POCKET-RTMR / RTMR	27.494 in (698.35 mm) / 3.494 in (88.75 mm) / 23.208875 in (589.51 mm)	19.012 in (482.9 mm) × 17.012 in (432.1 mm) × 0.088 in (2.24 mm)

Openings and recessed captures • continued

Coordinates use the outside assembly datums. Pocket rectangles describe the cutter envelope; only their overlap with each named capture is removed. Trial the actual welded stack and film before machining.

Cut / part	Lower corner X / Y / Z	Size X × Y × Z
POCKET-RTNF / RTNF	49.494 in (1257.15 mm) / 3.494 in (88.75 mm) / 23.208875 in (589.51 mm)	19.012 in (482.9 mm) × 17.012 in (432.1 mm) × 0.088 in (2.24 mm)
POCKET-RTNA / RTNA	49.494 in (1257.15 mm) / 3.494 in (88.75 mm) / 23.208875 in (589.51 mm)	19.012 in (482.9 mm) × 17.012 in (432.1 mm) × 0.088 in (2.24 mm)
POCKET-RTNL / RTNL	49.494 in (1257.15 mm) / 3.494 in (88.75 mm) / 23.208875 in (589.51 mm)	19.012 in (482.9 mm) × 17.012 in (432.1 mm) × 0.088 in (2.24 mm)
POCKET-RTNR / RTNR	49.494 in (1257.15 mm) / 3.494 in (88.75 mm) / 23.208875 in (589.51 mm)	19.012 in (482.9 mm) × 17.012 in (432.1 mm) × 0.088 in (2.24 mm)
POCKET-RTRF / RTRF	71.494 in (1815.95 mm) / 3.494 in (88.75 mm) / 23.208875 in (589.51 mm)	19.012 in (482.9 mm) × 17.012 in (432.1 mm) × 0.088 in (2.24 mm)
POCKET-RTRA / RTRA	71.494 in (1815.95 mm) / 3.494 in (88.75 mm) / 23.208875 in (589.51 mm)	19.012 in (482.9 mm) × 17.012 in (432.1 mm) × 0.088 in (2.24 mm)
POCKET-RTRL / RTRL	71.494 in (1815.95 mm) / 3.494 in (88.75 mm) / 23.208875 in (589.51 mm)	19.012 in (482.9 mm) × 17.012 in (432.1 mm) × 0.088 in (2.24 mm)
POCKET-RTRR / RTRR	71.494 in (1815.95 mm) / 3.494 in (88.75 mm) / 23.208875 in (589.51 mm)	19.012 in (482.9 mm) × 17.012 in (432.1 mm) × 0.088 in (2.24 mm)

Openings and recessed captures • continued

Coordinates use the outside assembly datums. Pocket rectangles describe the cutter envelope; only their overlap with each named capture is removed. Trial the actual welded stack and film before machining.

Cut / part	Lower corner X / Y / Z	Size X × Y × Z
ROOF-OPEN-6 / P02	6 in (152.4 mm) / 4 in (101.6 mm) / 23 19/64 in (591.74 mm)	18 in (457.2 mm) × 16 in (406.4 mm) × 45/64 in (17.86 mm)
ROOF-OPEN-28 / P02	28 in (711.2 mm) / 4 in (101.6 mm) / 23 19/64 in (591.74 mm)	18 in (457.2 mm) × 16 in (406.4 mm) × 45/64 in (17.86 mm)
ROOF-OPEN-50 / P02	50 in (1270 mm) / 4 in (101.6 mm) / 23 19/64 in (591.74 mm)	18 in (457.2 mm) × 16 in (406.4 mm) × 45/64 in (17.86 mm)
ROOF-OPEN-72 / P02	72 in (1828.8 mm) / 4 in (101.6 mm) / 23 19/64 in (591.74 mm)	18 in (457.2 mm) × 16 in (406.4 mm) × 45/64 in (17.86 mm)
VENT-P03L / P03L	0 in (0 mm) / 6 in (152.4 mm) / 7 53/64 in (198.83 mm)	45/64 in (17.86 mm) × 12 in (304.8 mm) × 3 in (76.2 mm)
VENT-P03R / P03R	95 19/64 in (2420.54 mm) / 6 in (152.4 mm) / 7 53/64 in (198.83 mm)	45/64 in (17.86 mm) × 12 in (304.8 mm) × 3 in (76.2 mm)

Receiving and physical acceptance record

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

Required checkpoint	Actual result / date / reviewer
H01 · Before purchase KV written acceptance of separate 993/995/997/999 components with 44.168875 × 11.65625 inch, 6 mm reference panes, and approval of the right jamb divider relief. Current P992 kit text says doors up to 36 inches. If declined, redesign the closure.	
H02 · Before wood cutting Received plywood gauge, usable sheet length, square straight solid stock, real kerf, flatness and substrate quality. Nominal reference values are not measurements.	
H03 · Before veneer purchase Supplier confirmation of exact selected species/backer/PSA, 4 × 10 ft availability, one-sided panel balance, cured Varathane compatibility, acclimation, application pressure, dwell, humidity/heat/cleaner exposure. If balancing changes the stack, rederive the entire candidate.	
H04 · Before capture machining Measure actual wire at crossings and the finished film stack. Trial a flat, fully buried screen with solid outer lands. Reference recess .088 inch; do not exceed .125 inch without redesign.	

Glue time: _____ · Final coat / repair: _____
Temperature / relative humidity: _____
Full cure due: _____ · Confirmed adhesive dwell: _____
Liner 24-hour test and closure tests: _____

Receiving and physical acceptance record

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

Required checkpoint	Actual result / date / reviewer
H05 · Before finish Dry-fit every hardware component, cushion, anti-lift strip, lock and screw; predrill. Route/countersink veneer holes after trial. Any later exposed wood needs reseal and full recure. For revised retainer: received 3-1/2-inch flat-head screw, washer <=1/16 inch and locknut .298-.328 inch. Trial 1-inch diameter x 5/8-inch stopped rear recess, socket access, two complete exposed threads and tail >=1/16 inch below post face. Retain 7/8-inch post thickness at the washer seat. No torque or connection capacity inferred.	
H06 · Before glass order Approved received tracks, glass fabricator confirmation, actual cured opening and cushion dimensions, pane weight/edgework/tolerance, complete anti-lift capture and insertion/removal trial. No glass order from reference dimensions.	
H07 · Before loading Full support/furniture/building-floor qualification with weighed wet bed, shell, equipment and concentrated loads. No shell or stand capacity is established. Qualified connection review must include the countersunk front bearing and recessed interior post bearing, not the previous carriage-bolt geometry.	
H08 · Before animal entry Full cure, liner 24-hour test, door/mesh/anti-lift and service trials, qualified review and species-specific heat, humidity, light, gap, mesh and escape commissioning. Half-inch mesh is not universal containment.	

Glue time: _____ · Final coat / repair: _____
Temperature / relative humidity: _____
Full cure due: _____ · Confirmed adhesive dwell: _____
Liner 24-hour test and closure tests: _____

Receiving and physical acceptance record

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

Required checkpoint	Actual result / date / reviewer
H09 · Before cushion bond and glass order	_____
KV and DAP acceptance of nonstructural neoprene cushioning bonded to the received zinc-plated jamb, compatible cleaning and preparation, actual cured film, full seven-day sample bond and repeated closing/service trials. The eight original cushion screws are removed because their heads intersected the tracks. A detached or damaged cushion requires repair and repeat acceptance before use.	_____

Glue time: _____ · Final coat / repair: _____
Temperature / relative humidity: _____
Full cure due: _____ · Confirmed adhesive dwell: _____
Liner 24-hour test and closure tests: _____

Sources, limits and upkeep

Primary manufacturer documents and current product links identify the reference system. Product identity, local stock, actual measurements and assembly acceptance are separate questions. Current research evidence and unresolved conflicts are in the review packet.

- KV installation sheet 300807
- KV dimensional specification OL2255
- Current P992 kit scope — width conflict remains open
- PL Premium application and cure
- Oakwood PSA veneer application
- Varathane application and full cure
- DAP Original Contact Cement 00271 — cushion bond conditions
- Flush retainer screw 24910
- Recessed locknut 16008
- Interior washer 16019
- Stainless thread galling and hand installation
- Poly Haven texture license

Separate statuses: research, dimensional checks, calculations and digital validation are recorded separately. No prototype has been built; no physical testing or qualified review has been performed; publication is separate from construction acceptance.

The ordinary indoor wood finish is not an immersion seal. The liner contains the damp bed; keep tracks dry. Disconnect equipment, secure the animal elsewhere and empty the enclosure before maintenance. Never tip a loaded shell. Follow the four pictured service operations and repeat affected checks after any repair.

Full exterior veneer is coordinated as a conditional system in these cuts and geometry. Supplier acceptance of panel balance and actual bond remains open. Texture scans illustrate appearance; natural grain and color vary by delivered sheet.