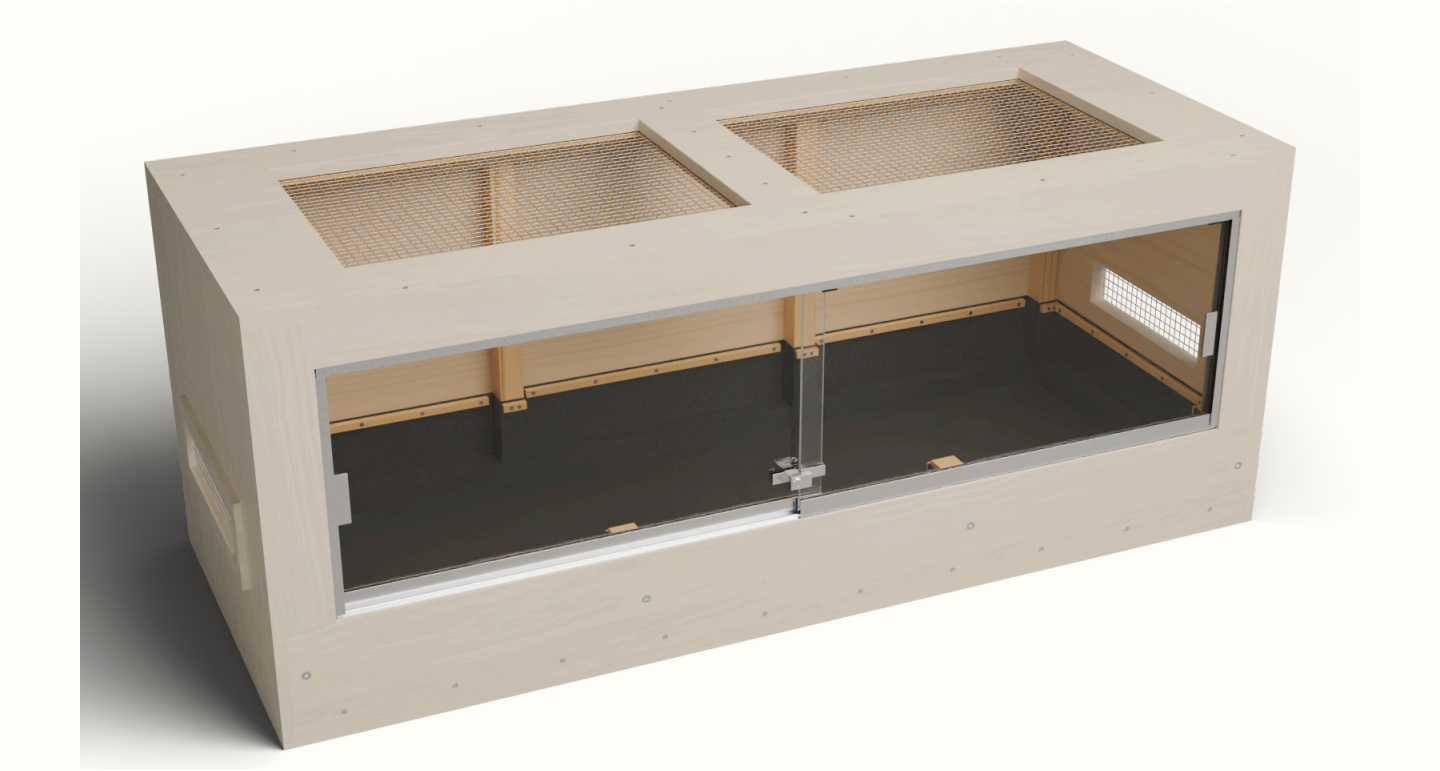
Build the lined sliding enclosure

N09 · V5 CANDIDATE 02 · ILLUSTRATED 02

60 × 24 × 24 inches

1524 × 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: track/vinyl specification 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	60 × 24 × 24 in (1524 × 609.6 × 609.6 mm)
Reference covered body	60.061 in (1525.55 mm) × 24.061 in (611.15 mm) × 24.061 in (611.15 mm)
Maximum covered body	60.092 in (1526.34 mm) × 24.092 in (611.94 mm) × 24.092 in (611.94 mm)
External vent captures	Width 60.811 in (1544.6 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	55 11/32 in (1405.73 mm) × 17 15/16 in (455.61 mm) × 16 31/32 in (431.01 mm); equipment reduces this further
Door opening	53 19/32 in (1361.28 mm) × 13 31/32 in (354.81 mm)
Single-leaf access	Reference 25.367875 in (644.34 mm) × 13.16375 in (334.36 mm); plan 24 in (609.6 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 two plywood sheets
6. OP06 · Mark the two roof openings
7. OP07 · Mark both raised wall vents
8. OP08 · Cut and check all four 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 four 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 four 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 · Trial web fastening and jamb 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 fasten 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



Plan full support and the wet load

1. Choose a level, rigid surface at least 60.092 in (1526.34 mm) wide × 24.092 in (611.94 mm) deep for the maximum veneer envelope. It must bear continuously beneath the entire floor, including every edge. Qualify the actual support and building floor for the weighed full load.

2. The conservative bed-volume envelope is 2.83 cubic feet (80 L), before wood support displacement. At an assumed wet bulk density of 100 lb/ft³ (1602 kg/m³), the bed alone is 283 lb (128 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.

OP02 · 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 transport and maintenance access

1. Allow overhead clearance for the complete roof and its rib, front space for a helper to support both panes, and access beside both vents. At the reference veneer stack, external vent captures make the fixed width 60.811 in (1544.6 mm). Retainer screw heads sit flush with front wood, below the veneer; no retainer nuts or tails project outside. Add actual hand, tool and handling space. Rehearse transport and removal with full-size light templates 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.

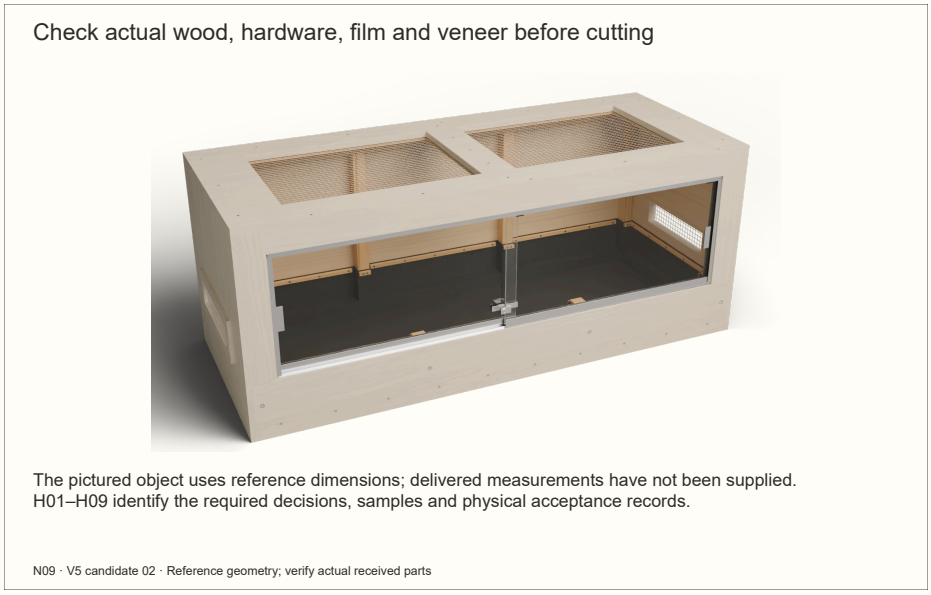
Check before continuing: The empty enclosure has a continuous support plan and a clear route for removing both glass leaves and the roof.

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.



Resolve the hardware and veneer purchase holds

1. Read H01 and H03 before ordering. Ask CRL to resolve H01 and H06: matched components, differing published sections, thin-web fastening, uncapped shoe ends, vinyl selection and the right-jamb relief. Save the response; revise any rejected detail.

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.

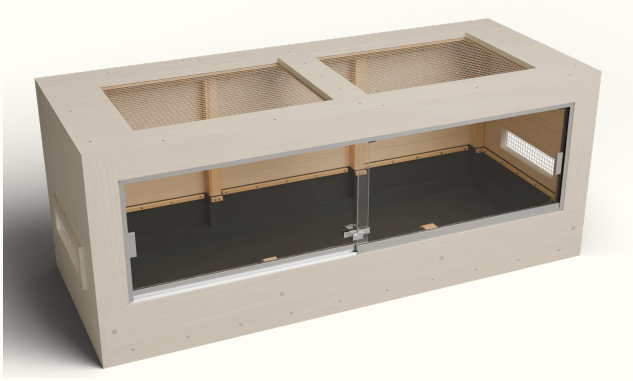
Check before continuing: The named supplier questions have written answers; unaccepted substitutions remain quarantined.

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.

N09 · V5 candidate 02 · Reference geometry; verify actual received parts

Receive, label and measure the stock

1. Measure the nominal plywood at several points; the digital reference is 45/64 in (17.86 mm), not an observed delivery. Reject delamination, twist and insufficient usable stock. Confirm solid supports are 1 1/2 in (38.1 mm) square and frame pine is 3/4 in (19.05 mm) thick. Update every dependent cut if a gauge changes.

2. After H01 and H06 supplier resolution, receive CRL D2203ABB, the confirmed glazing vinyl, 963L lock and D652 guides. Inventory the actual kit: one 144 in (3657.6 mm) section each of D602, D603 and D610, with at least eight D649 wheels and four guides for installation. Catalogue and web kit counts conflict. D332A cosmetic end caps are omitted in this candidate; shoe ends must be deburred, snag-free and accepted in the gauge trial.

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.

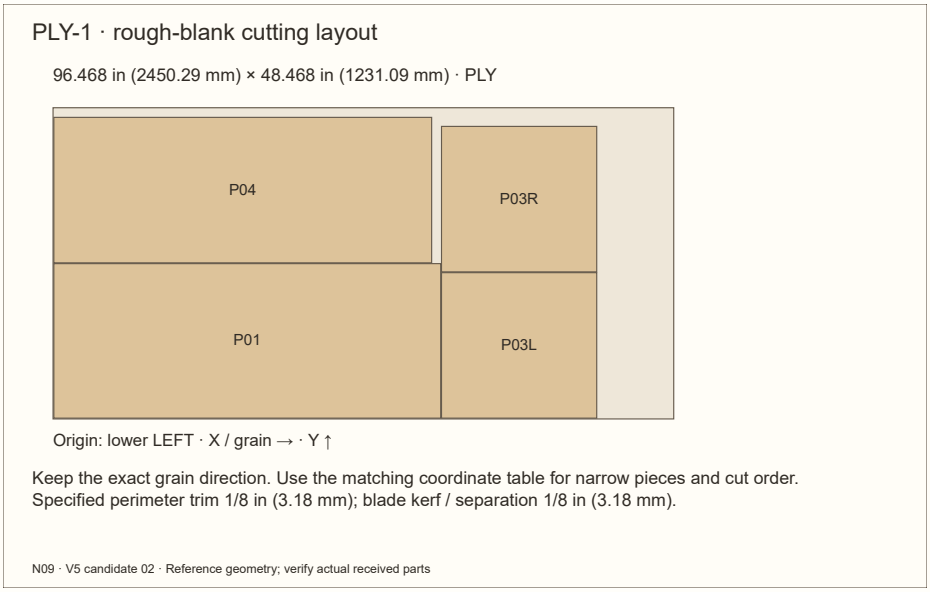
4. On the measuring strip, mark the floor underside. Above it, mark the actual plywood thickness plus compressed lining to locate the finished floor. From that mark, measure up 4 in (101.6 mm) for the maximum total bed, 6 in (152.4 mm) for the retaining-panel top and 7 in (177.8 mm) for the vent bottom. 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 two 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 two plywood sheets

1. Use PLY-1 and PLY-2. Confirm each received sheet contains all rough blanks, edge trims and 1/8 in (3.18 mm) saw kerfs shown. Support both the kept piece and waste throughout each cut. Cut rough floor and roof blanks before finishing them to the 60 in (1524 mm) × 24 in (609.6 mm) reference core size.

2. Reference finished sides are 24 in (609.6 mm) × 22 19/32 in (573.88 mm), the back is 58 19/32 in (1488.28 mm) × 22 19/32 in (573.88 mm), and each of the three retaining layers is 58 19/32 in (1488.28 mm) × 6 1/8 in (155.58 mm). Start with the larger rough blanks. Fit actual sides between floor and roof within the 24 in (609.6 mm) core height, the back between sides and the retaining top 6 in (152.4 mm) above the measured finished floor.

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.

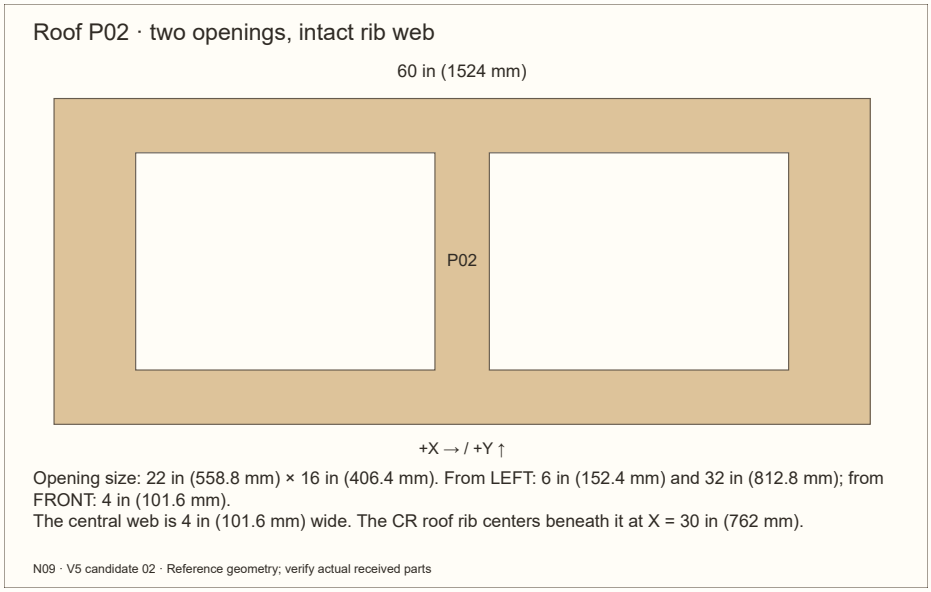
4. Inches are the setting-out units; metric values are rounded equivalents. Use exact schedule values and actual mating gauges. Do not independently round mating cuts or mix an older approximate dimension with this revision.

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

OP06 · Mark the two 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 two roof openings

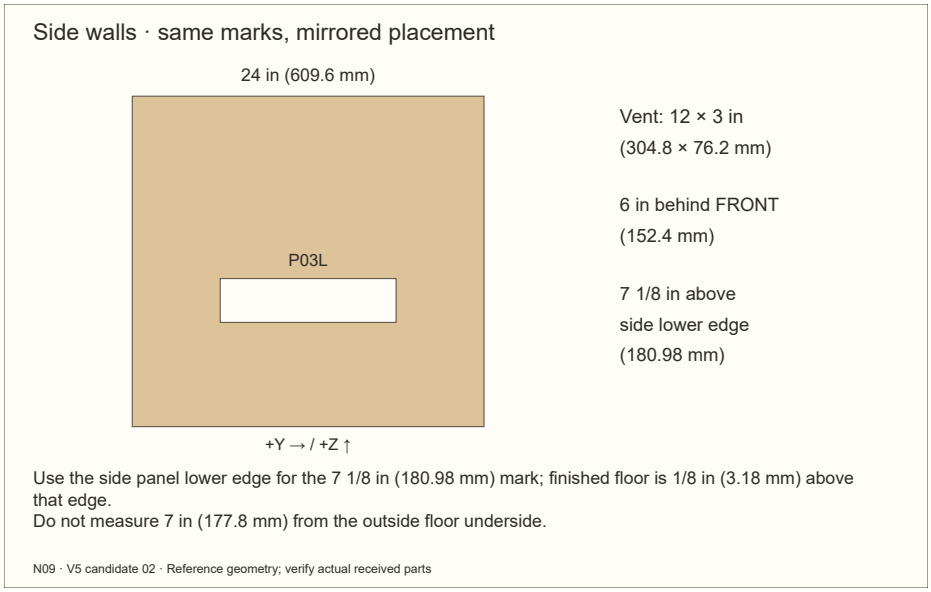
1. Mark two 22 in (558.8 mm) × 16 in (406.4 mm) roof openings. Their front edges lie 4 in (101.6 mm) behind the front, and left edges at 6 in (152.4 mm) and 32 in (812.8 mm) from outside LEFT. Preserve the 4 in (101.6 mm)-wide central web for the single CR roof rib.

Check before continuing: Each rectangle lies in the scheduled solid roof; the intact central web receives the CR roof rib.

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

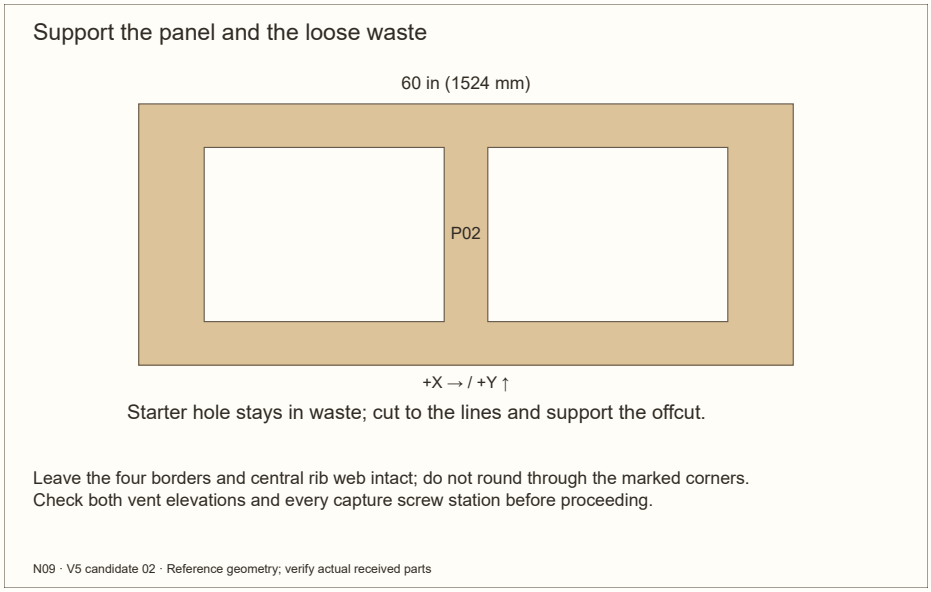
1. On each side, mark a 12 in (304.8 mm) × 3 in (76.2 mm) opening starting 6 in (152.4 mm) behind the front edge. Its lower edge is 7 in (177.8 mm) above the finished-floor mark, not the floor underside.

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 four 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 four 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 the rib web remains 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 frame, supports and thin-strip stock

1. Use the PINE-FRAME layouts for the exact F0/F1 members. Maintain 3/4 in (19.05 mm) actual thickness, scheduled grain, guards, support and push sticks. Cut rough blanks first, then pair and finish the mating parts.

2. Have the PINE-THIN stock planed to 3/8 in (9.53 mm) while still full width. Route the capture recesses after the sample trial and before final rip cuts. The revised captures are 1 in (25.4 mm) wide; liner clamps remain 1/2 in (12.7 mm) wide. Follow the new layouts, not old board numbers. Never put loose finished narrow strips through a planer.

3. Cut to length five solid 2 × 2 boards for four bottom wood supports, four rear uprights, four front posts, three upper wood supports and one roof rib. Use their actual full section; these are not laminated strips. The SOLID layouts have no end-trim allowance. Accept only full-length, straight, sound stock with square usable ends, or obtain longer stock and revise the layout.

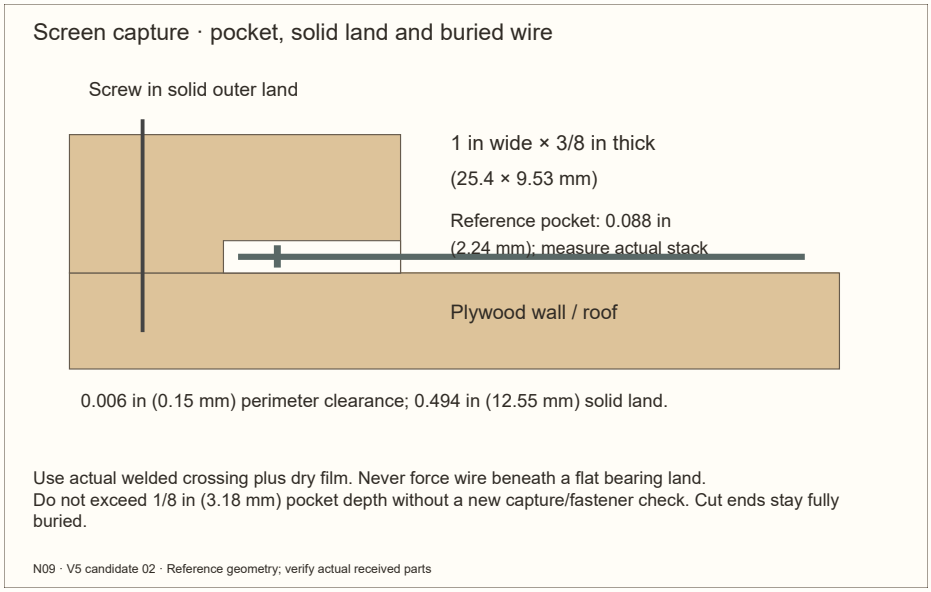
4. Lightly ease exposed corners and especially the wood supports beneath the liner. Keep joint faces square and bare. Label the underside of each roof capture so it returns to its own holes.

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.

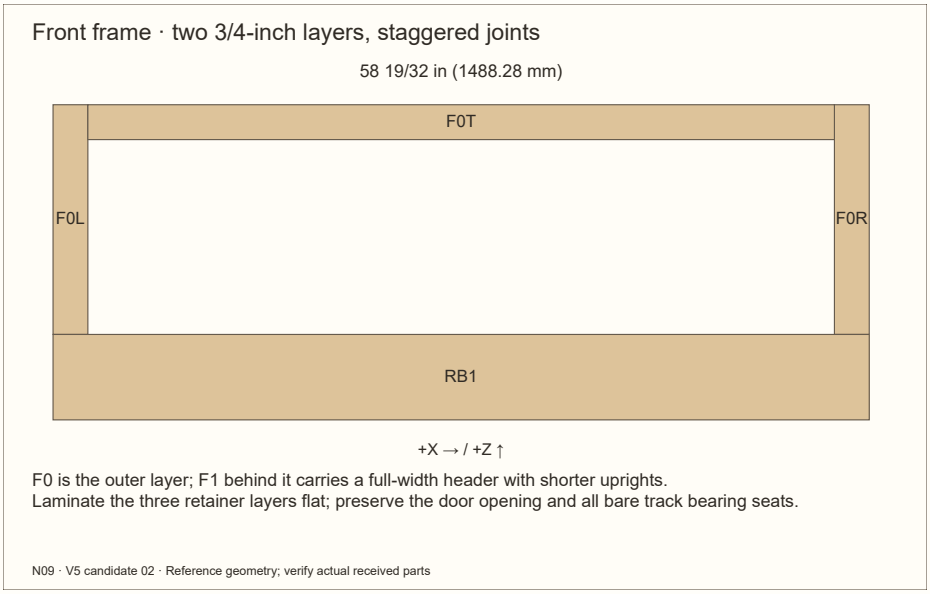
3. Do not exceed 1/8 in (3.18 mm) recess depth without revising the strips and screw checks. Machine the safe wide blank first, then rip and crosscut final pieces using the tool maker’s guards, support and minimum feed lengths. Never handhold a short strip at a spinning cutter.

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.

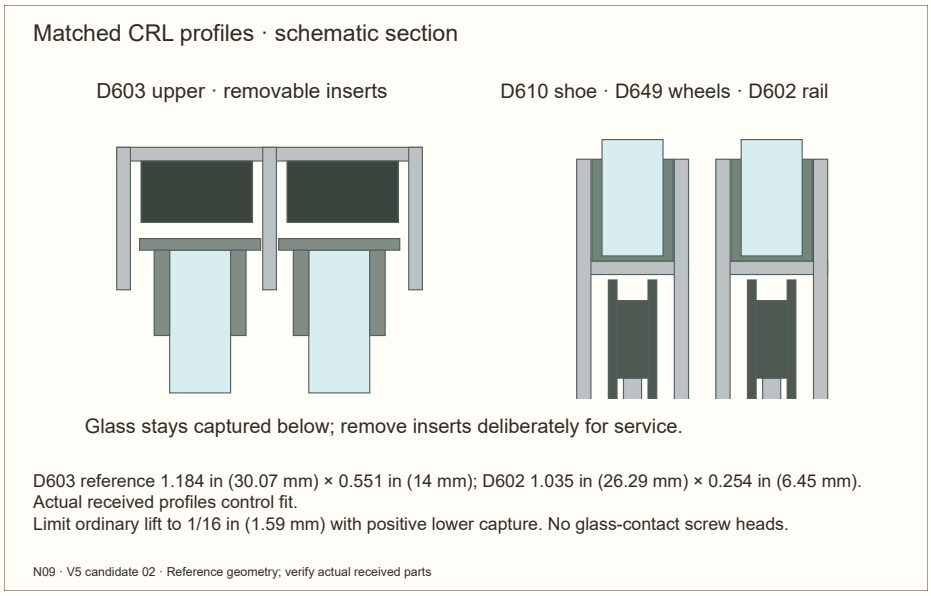
Required wait: Glue cure: at least 24 hours; follow the received label

OP12 · Build the track and liner trial gauges

Parts: D603 upper/jamb channel, D602 lower rail, D610 shoe, D649 wheels, 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 53 19/32 in (1361.28 mm) × 13 31/32 in (354.81 mm) reference opening, then substitute actual dry-frame measurements. Use a smooth disposable panel measured to 0.23622047 in (6 mm). A 1/4 in (6.35 mm) board is thicker than 6 mm. This sample is a fit gauge, never a substitute door.

2. Seat the sample in a received D610 offcut with the supplier-confirmed vinyl. Install D649 wheels and a D652 guide by the supplied method. Measure the actual sections, guide, wheel groove, glazing pocket and retention. Resolve the GC728C thickness conflict before forcing anything into the channel.

3. Check the manufacturer’s 1 1/8 in (28.58 mm) height deduction against the complete sample. Prove rolling, positive lower engagement, the 1 1/2 in (38.1 mm) closed overlap and deliberate lift-out. Use fully deburred uncapped shoe ends, as this candidate omits cosmetic D332A caps. Reject a snag, loosened wheel or metal contact with glass. Record the received geometry; the drawing/model is not a physical fit certificate.

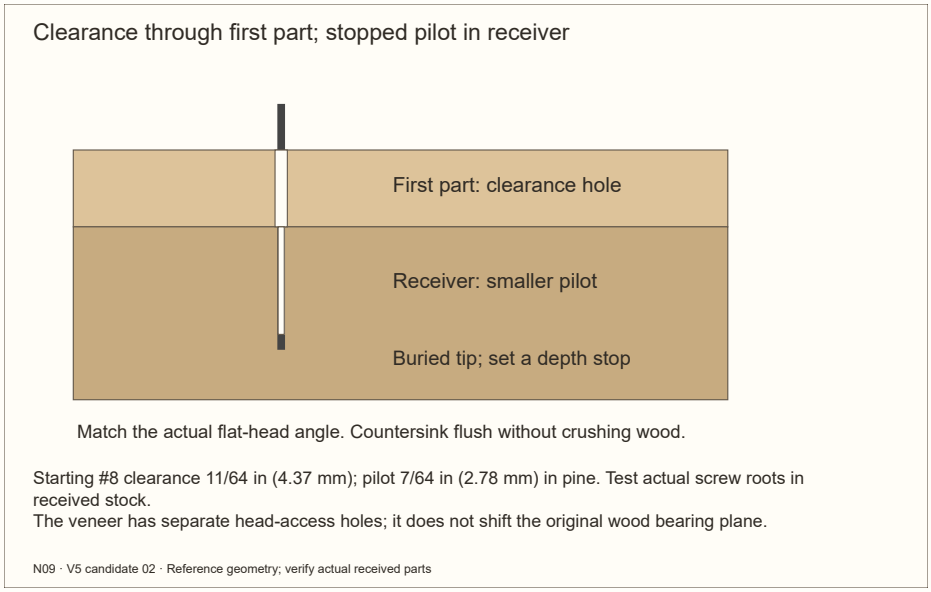
4. Fold a liner offcut over an eased wood support and into a corner. Keep the central floor reference mark distinct from the raised wood support shelf. Reserve 1/8 in (3.18 mm) at each wall for the lining and folds; a larger fold must be accommodated and deducted from the clear space.

Check before continuing: The sample rolls, lifts out with retention removed, and seats securely with the guide inside the upper channel.

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. Use the revised named station schedule as each joint is assembled. Identify its first part, any through-members and the solid receiver before drilling. Inspect both faces for missing receivers, splits and exposed points.

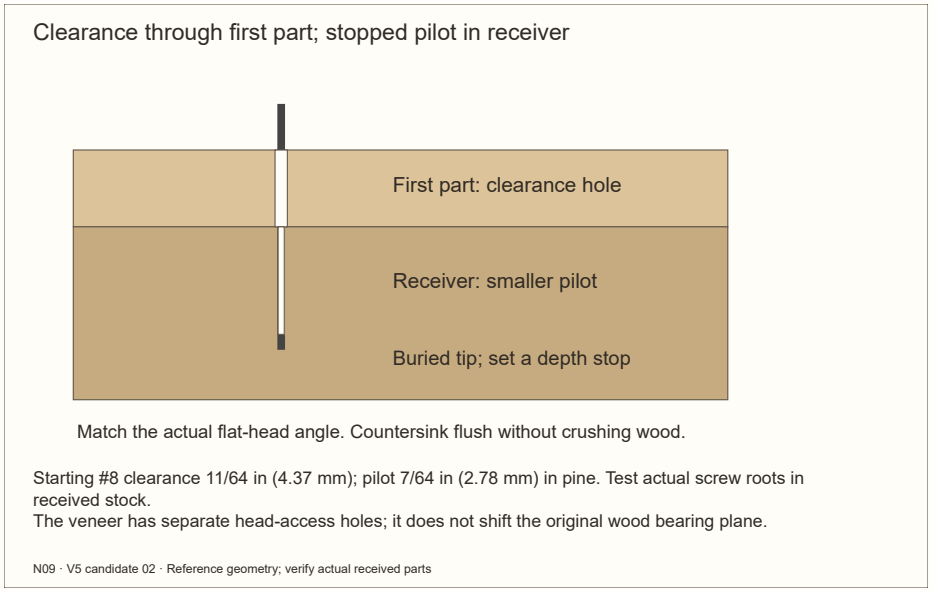
2. Make pilot tests in matching offcuts. The starting pilots are 7/64 in (2.78 mm) for #8, 3/32 in (2.38 mm) for #6 and 1/16 in (1.59 mm) for #4. Adjust for the actual wood and screw root; a split or spinning test means the setup is wrong.

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.

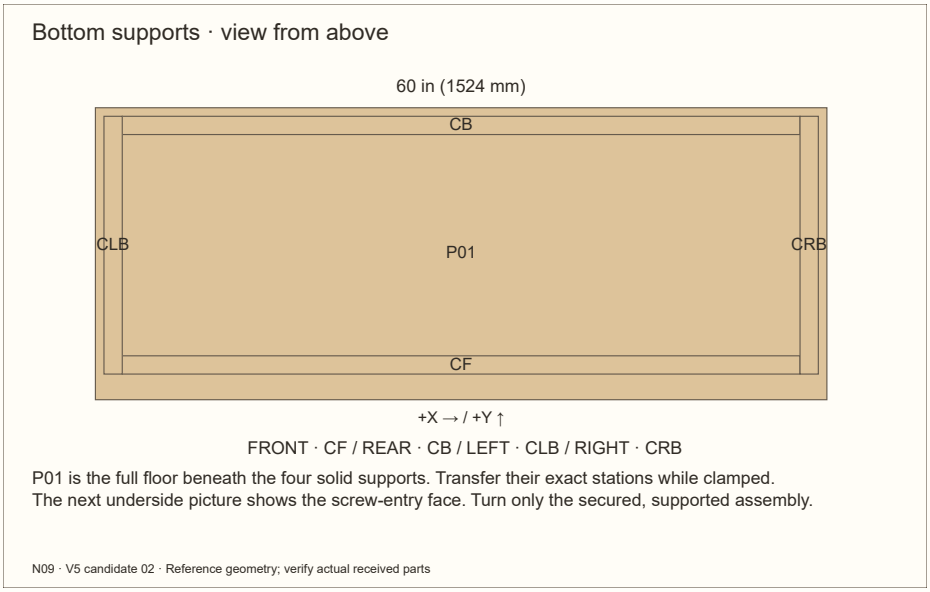
2. Maintain at least 1/16 in (1.59 mm) reference wood beyond each screw tip. Include the drill point in the stopped pilot depth. Veneer service openings preserve the original wood head seats and engagement. Keep them open. Replace stripped receivers instead of fitting longer screws.

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 floor/support assembly. With a helper, turn it onto padded supports exposing the underside and a clear drill path. Transfer the scheduled stations: 11/64 in (4.37 mm) clearance through P01 only and a trial 7/64 in (2.78 mm) stopped pilot in pine. Label every mating face, return upright, then separate the supports for glue.

3. Apply Titebond III only to floor/support bond faces. Reassemble on the marks and clamp. With a helper, turn the secured assembly onto padded supports and drive #8 × 1 1/4 in (31.75 mm) screws from below. Keep heads flush, wipe squeeze-out and return the assembly upright and flat for cure. Never balance it 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.

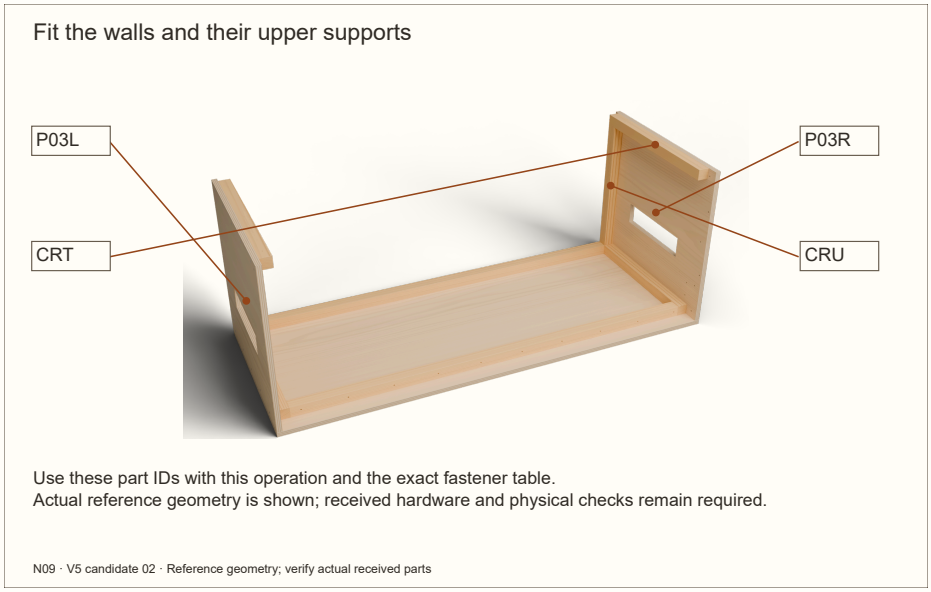
Check before continuing: The floor underside sits completely flat, with no projecting head; the front recess fits the three-layer retaining panel.

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.

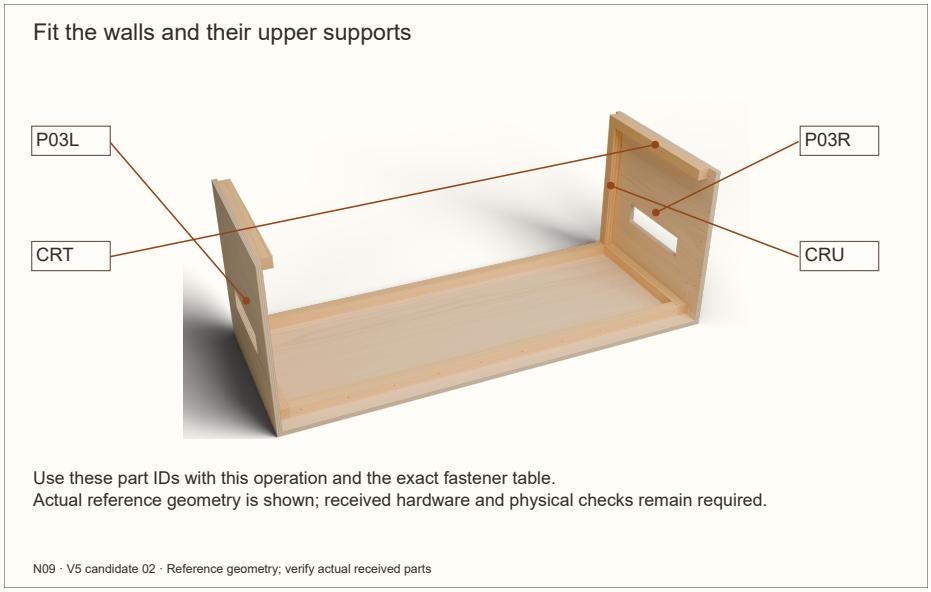
3. Transfer the listed stations through each wall into the matching solid receiver. Drill the #8 clearance through the plywood, then a stopped pilot into pine. Keep the rear-upright back screws offset from the side screws as shown in the station schedule.

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

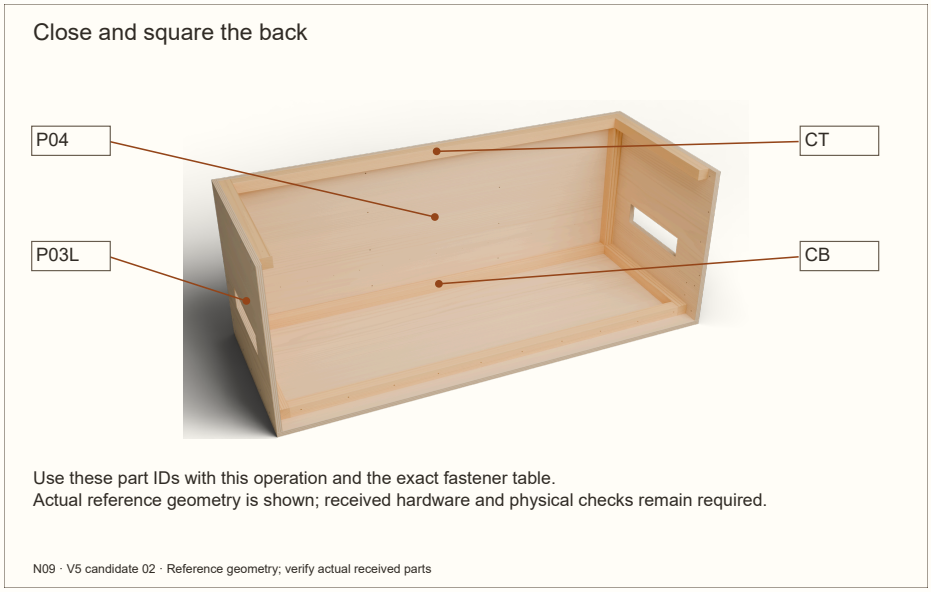
1. Fasten with #8 × 1 1/4 in (31.75 mm) screws, tightening by hand for the last turn. These wall joints stay dry during fitting so the panels can be removed for finishing.

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.

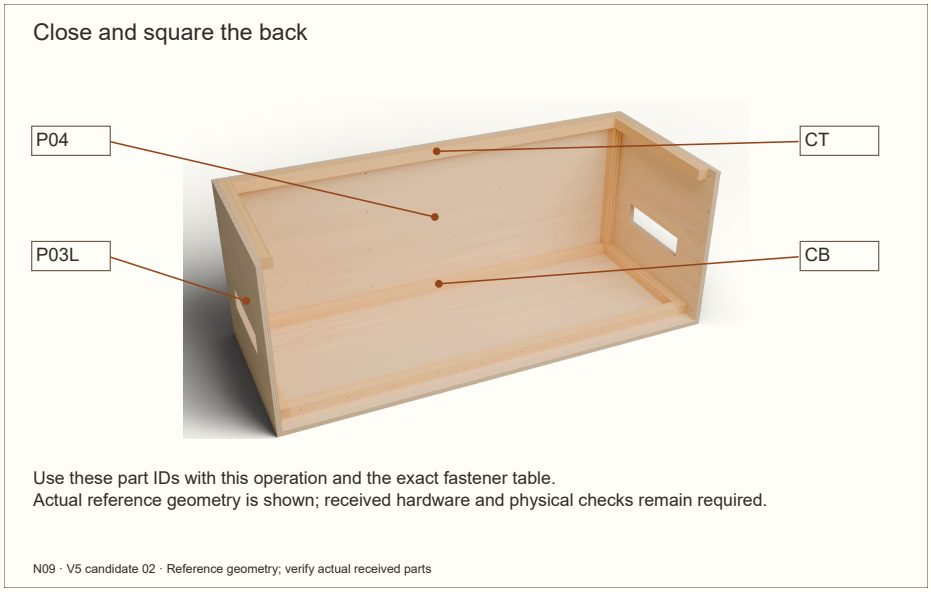
3. Drill clearance through P04 and stopped pilots into the named receivers at the close and square the back operation stations. Use the offset upright positions so a back screw does not meet a side screw.

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

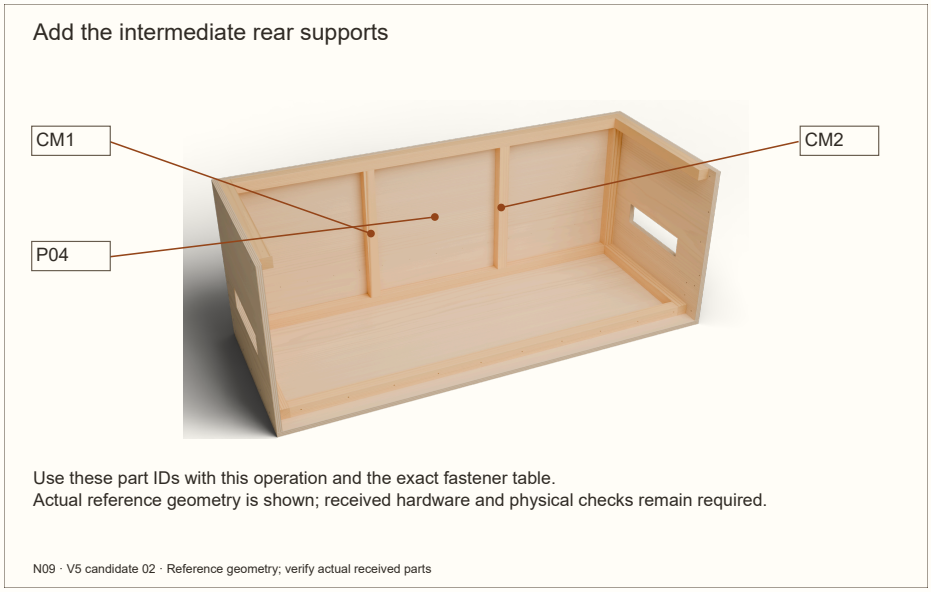
1. Fit the #8 × 1 1/4 in (31.75 mm) screws and check that the full back edge sits flush. Do not pull a twisted box square by overdriving a screw.

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

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 and CM2 against the back at centres 20 in (508 mm) and 40 in (1016 mm) from outside LEFT. Their reference length is 19 19/32 in (497.68 mm), between CB and CT. Confirm actual bearing faces before drilling.

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.

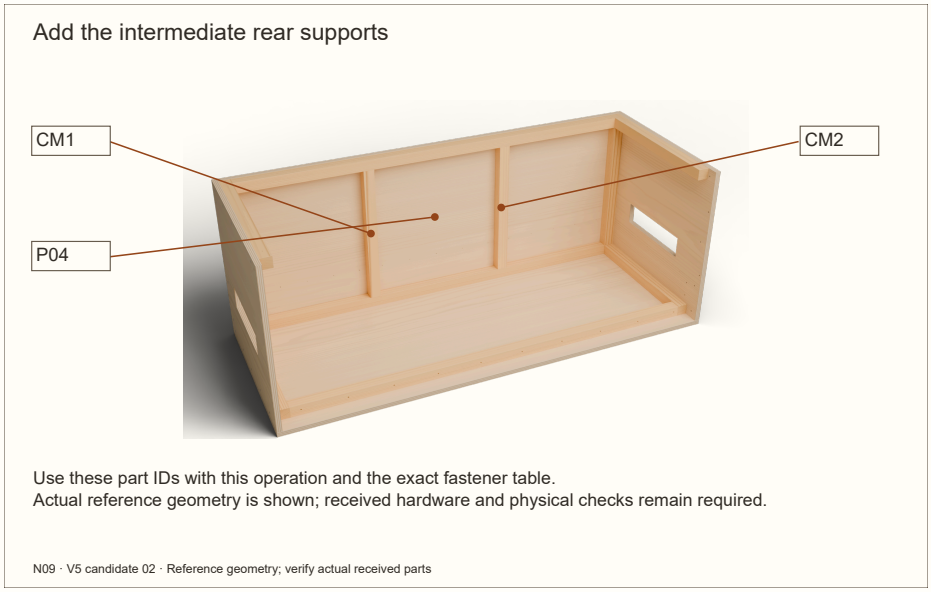
3. Fit the listed #8 × 1 1/4 in (31.75 mm) screws from the back. Tighten evenly by hand, keeping the back flat and the upper wood support level. Confirm all points remain buried.

Check before continuing: Four 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

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



Add the intermediate rear supports · continue

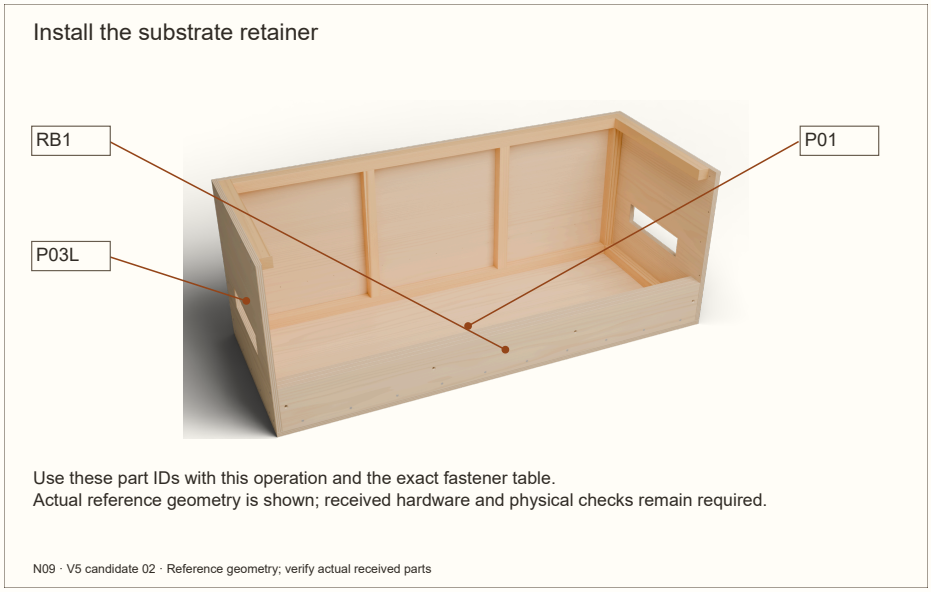
1. Check both intermediate uprights and both rear corner uprights bear on their lower wood supports. Ease the edges that the liner will wrap around. Leave the four front posts loose until the retainer is seated in the next step.

Check before continuing: Four 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.

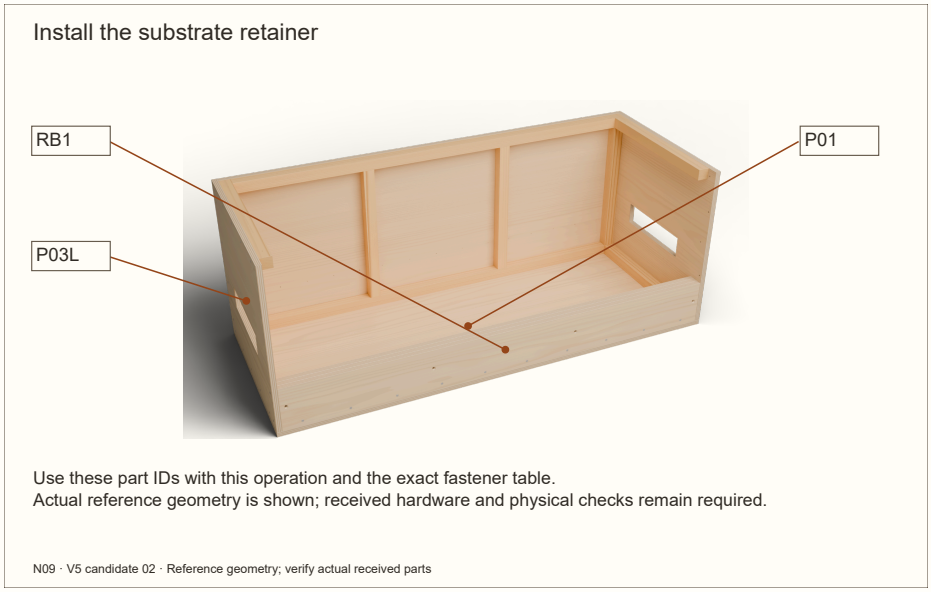
3. At the end stations, drill #8 clearance through each side and pilots into the retainer ends. At the front stations, drill clearance through RB1 and RB2 and pilots into RB3; keep the 2 in (50.8 mm) screws within the laminate.

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.

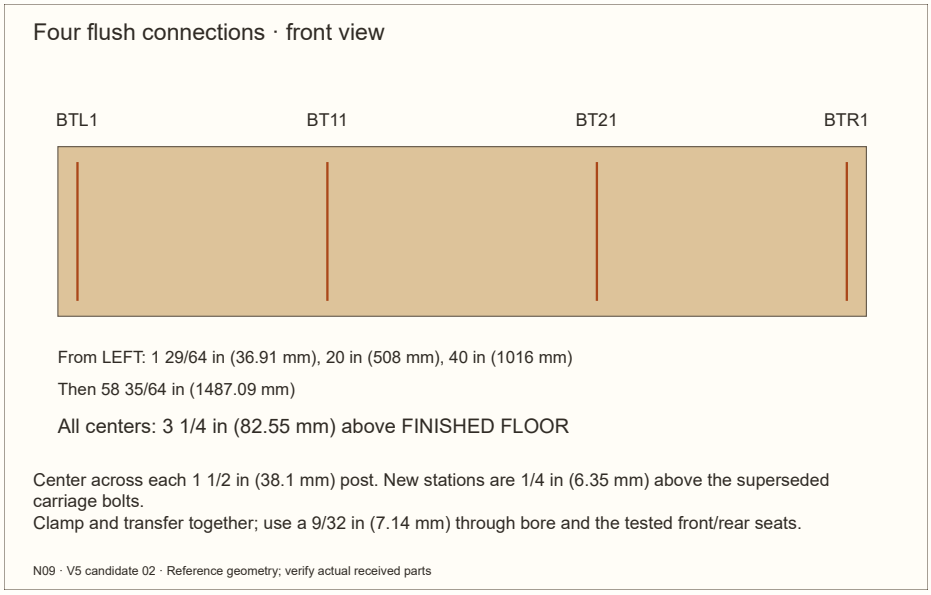
Check before continuing: The retaining top is level, continuous and at the marked reference mark; no screw point projects through its inner face.

OP25 · Position and clamp the four retainer posts

Parts: CFL — Front retainer post; CF1 — Front retainer post; CF2 — 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; 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 four retainer posts

1. Stand CFL, CF1, CF2 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 20 in (508 mm) and 40 in (1016 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 four 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 two intermediate posts clamped; their through-bolts provide the front connection.

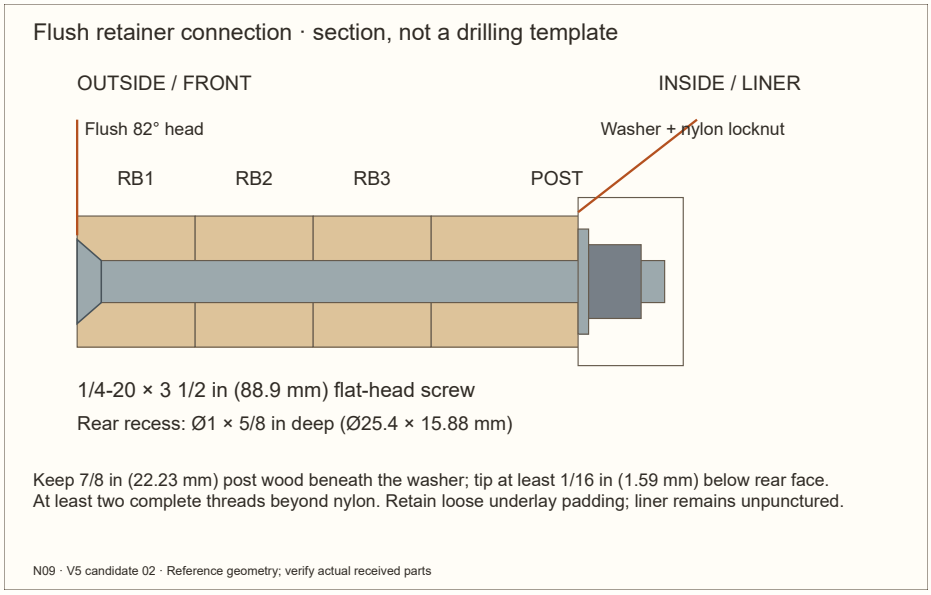
Check before continuing: All four posts sit square and fully bear on their supports; end posts are secured and the two intermediate posts remain clamped.

OP26 · Trial the flush head and recessed nut

Parts: CFL — Front retainer post; CF1 — Front retainer post; CF2 — Front retainer post; 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; 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.

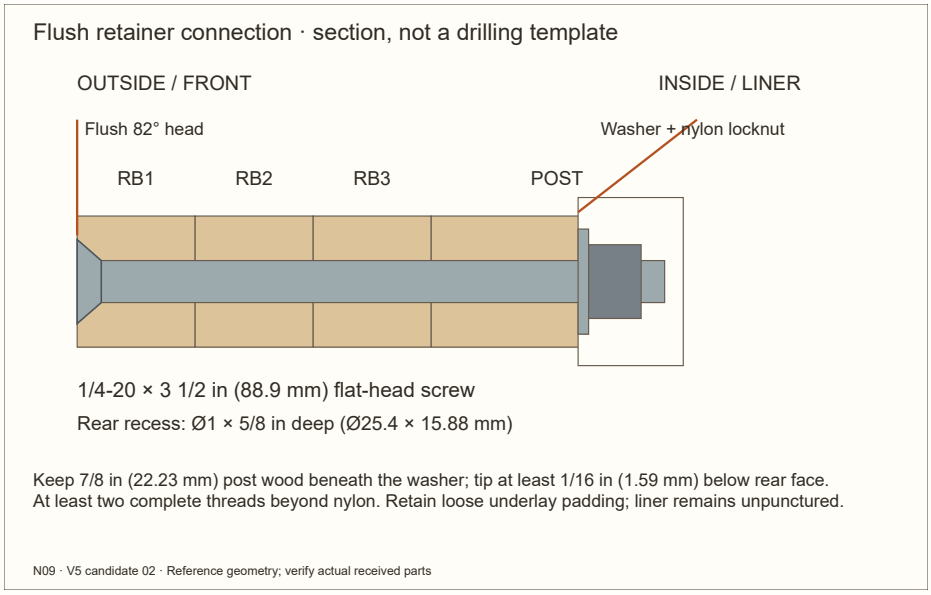
Check before continuing: The received sample accepts the flush head, washer, nut and actual socket without splitting; bearing wood, thread engagement and buried tip meet the stated limits.

OP27 · Drill and fit the flush retainer fasteners

Parts: CFL — Front retainer post; CF1 — Front retainer post; CF2 — Front retainer post; 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; 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.

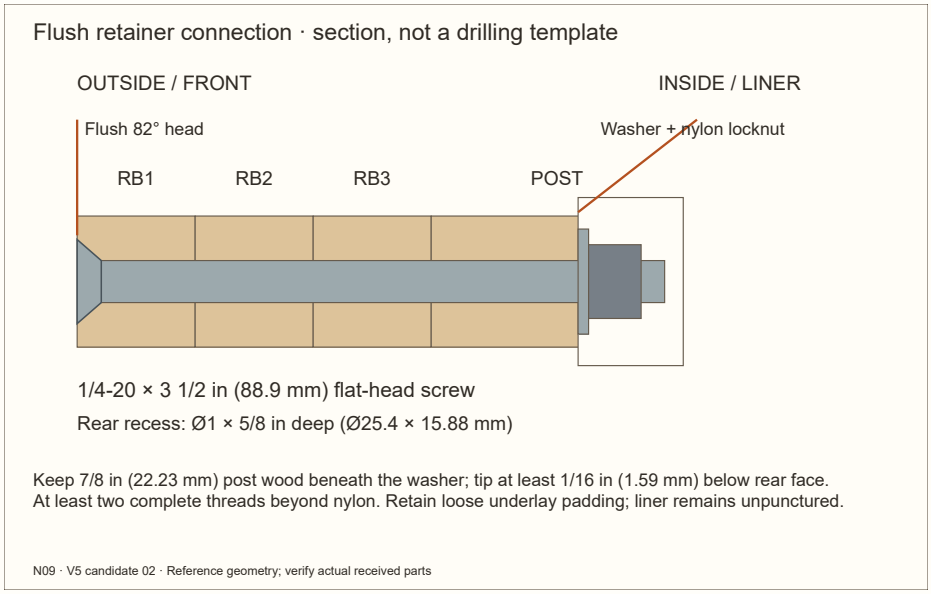
Check before continuing: All four exterior heads are flush to bare wood; nuts and tails stay below the rear post faces; complete thread engagement, intact bearing wood, socket access and padded liner contact pass the actual dry trial.

OP28 · Inspect the flush connection and liner protection

Parts: CFL — Front retainer post; CF1 — Front retainer post; CF2 — Front retainer post; 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; 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

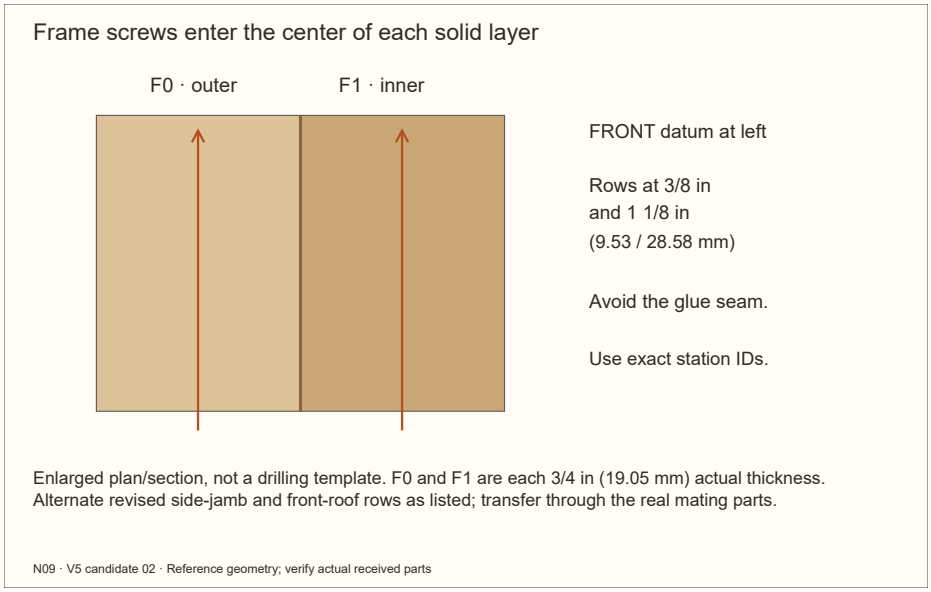
1. Inspect the front with a straightedge: no raised heads, washers, nuts or tails. Inspect the rear recess for burrs and check the full nut/socket access before lining. Keep the existing second loose underlay pad over each recessed connection; no bolt passes through the membrane. Recheck square and retainer 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 four 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.

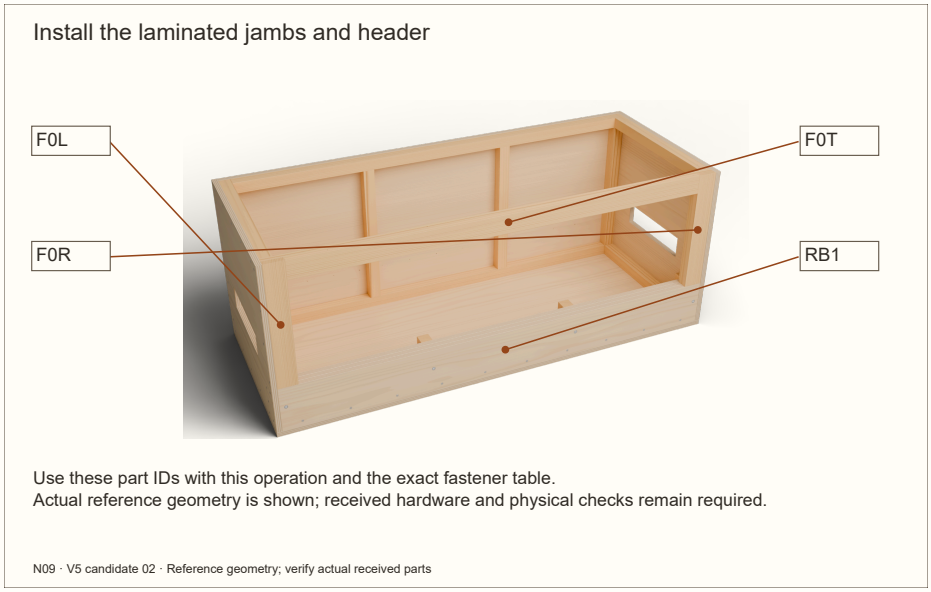
3. Trial the driver with the dry shell assembled. Correct access before finishing; preserve every removable roof screw and its veneer service opening.

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.

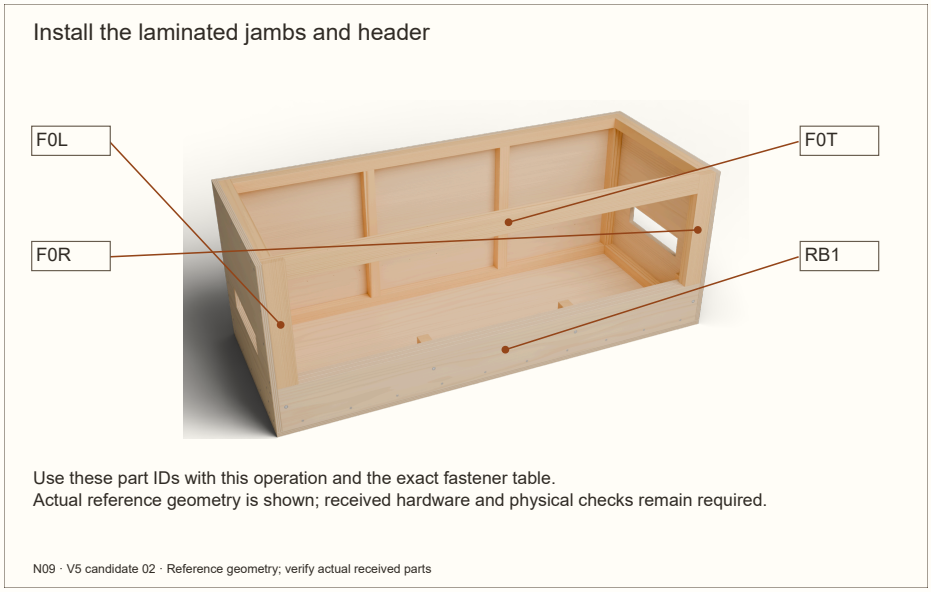
3. Measure opening width at top, middle and bottom and height at three positions. The reference clear wood opening is 53 19/32 in (1361.28 mm) × 13 31/32 in (354.81 mm). Record the smallest actual values and both diagonals before dependent hardware or glass sizing.

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

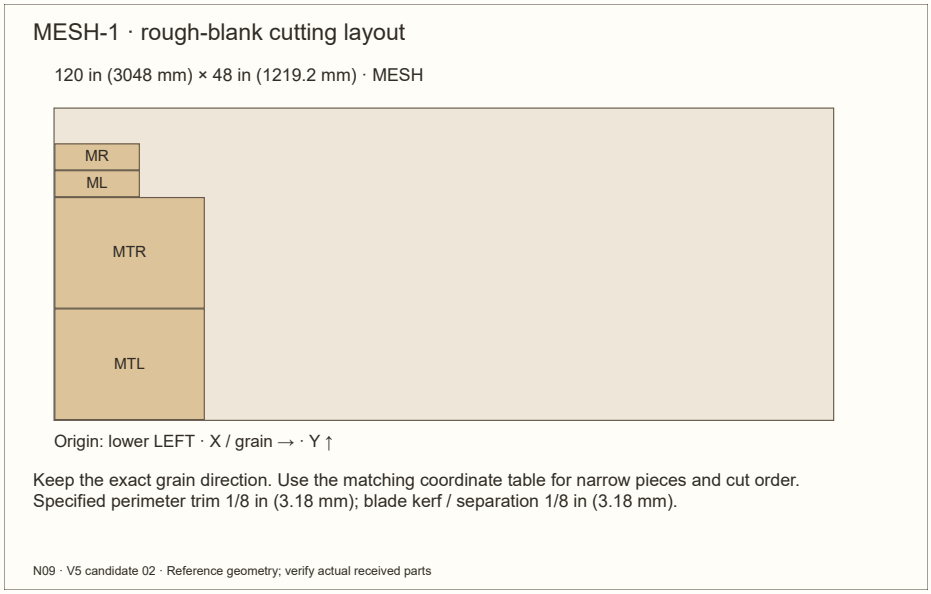
1. Lay a straightedge beneath the header and over the retainer. Correct any bow now. The detachable roof will later screw into the header and wood supports, further closing the box.

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 four mesh panels

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

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



Cut and deburr the four mesh panels

1. Cut two roof pieces 23 in (584.2 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. The nominal mesh margin beyond each opening is 1/2 in (12.7 mm). The revised pocket adds 0.006 in (0.15 mm) perimeter relief for coating and fit, leaving 0.494 in (12.55 mm) reference outer land. Keep every cut end beneath a capture strip and away from its screw row.

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.

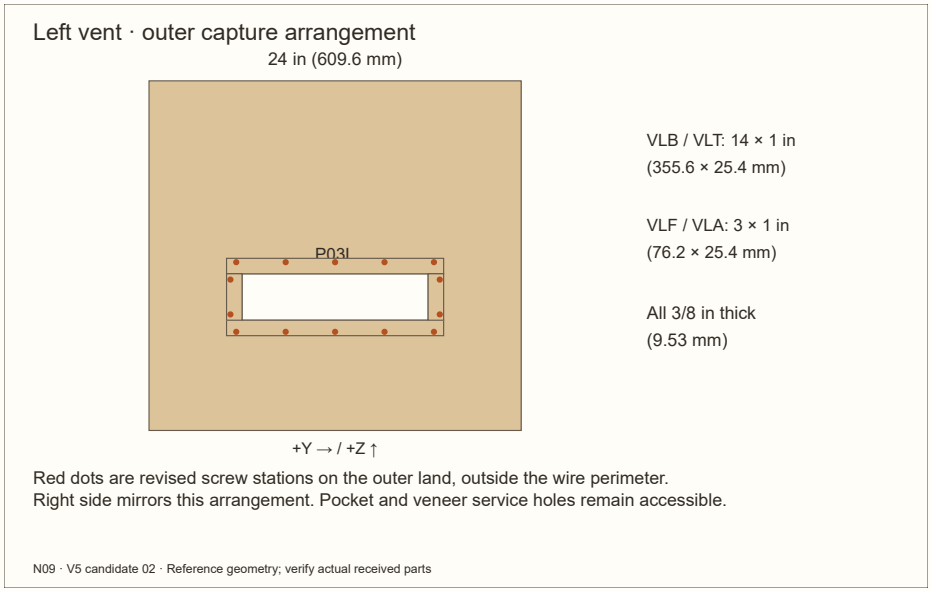
4. Label the two roof pieces and two side pieces. Store them flat until their capture strips are ready.

Check before continuing: All edges are smooth and will be enclosed; none of the four 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. Centre each wire panel outside its wall opening. The wall-facing capture recess houses the measured welded crossing plus coating. The outer solid land remains flat against the wall; do not trap wire beneath that land.

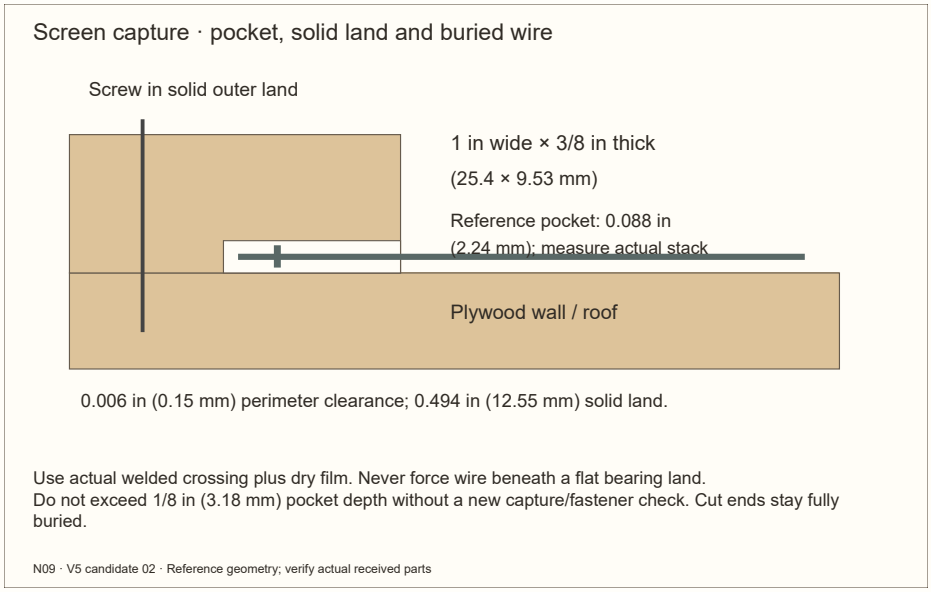
2. Clamp captures flat. Transfer the revised screw rows through solid outer lands into the wall, with separate clearance and stopped pilot depths. No station passes through mesh. Never force a screw to displace a wire.

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.

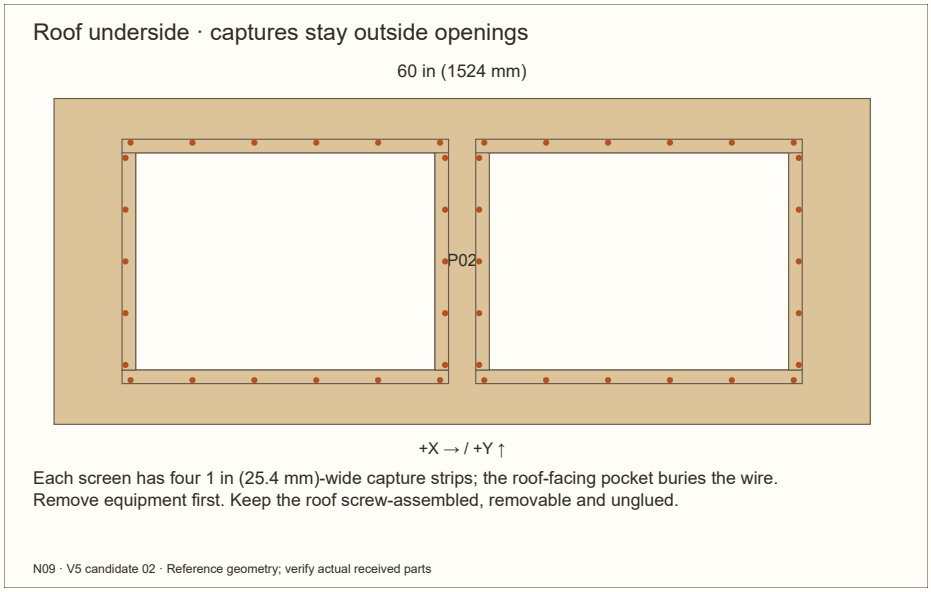
2. Run a cloth along the entire interior reveal and gently press the mesh perimeter. Fix any snag or loose edge. Remove the assemblies again during the finishing step, preserving the labels.

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 — Removable roof; CR — Roof web rib; MTL — Roof mesh; MTR — Roof mesh; RTLF — Roof mesh capture strip; RTLA — Roof mesh capture strip; RTRF — Roof mesh capture strip; RTRA — Roof mesh capture strip; RTLL — Roof mesh side strip; RTLR — Roof mesh side strip; RTRL — Roof mesh side strip; RTRR — Roof mesh side strip

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 CR between the front frame position and rear upper wood support, with centre 30 in (762 mm) from the left outside edge. The rib lies beneath the solid web between openings. Transfer their top-down #8 screw stations through the roof into each rib.

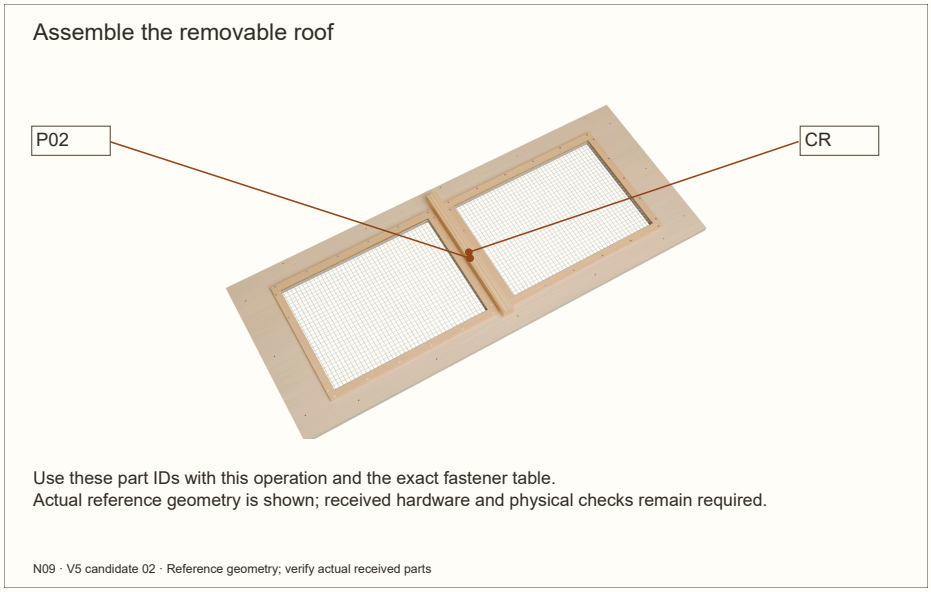
2. Centre both mesh pieces in their matching roof-facing recesses. Clamp the outer lands flat, then use the revised capture stations. Each #6 × 1 in (25.4 mm) screw enters solid plywood beyond the opening. Check point cover.

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 — Removable roof; CR — Roof web rib; MTL — Roof mesh; MTR — Roof mesh; RTLF — Roof mesh capture strip; RTLA — Roof mesh capture strip; RTRF — Roof mesh capture strip; RTRA — Roof mesh capture strip; RTLL — Roof mesh side strip; RTLR — Roof mesh side strip; RTRL — Roof mesh side strip; RTRR — Roof mesh side strip

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. The rib sits between the openings and ends against the rear wood support; the vent borders stay fully supported.

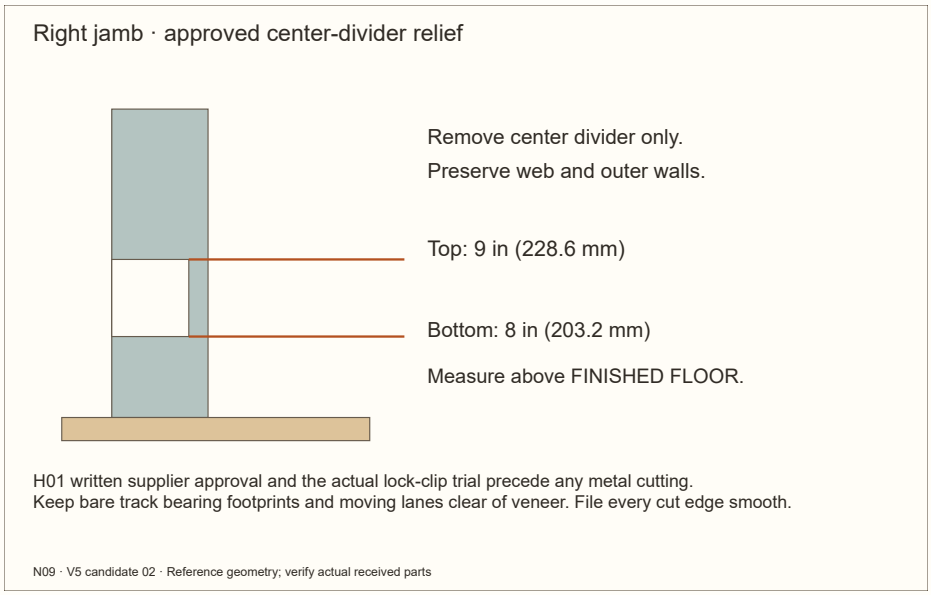
2. Dry-seat the roof on the shell and transfer the final roof screw holes. Leave them unfastened until the later access work is complete. The roof and mesh are not shelves; heat and light fixtures require separately supported, specifically qualified equipment.

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 — D602 lower rail; TRACK-T — D603 upper channel; JAMBL — D603 vertical jamb receiver; JAMBR — D603 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. After H01 acceptance, cut D603 upper and jamb sections, D602 lower rail and D610 shoes from their exact stock layouts. The reference horizontal length is 53.36275 in (1355.41 mm) and jamb length 13.16375 in (334.36 mm). Receive and trial the actual profiles before final cuts. Keep cuts square, deburr all edges and remove every chip. No D332A end cap or unverified cap attachment is included.

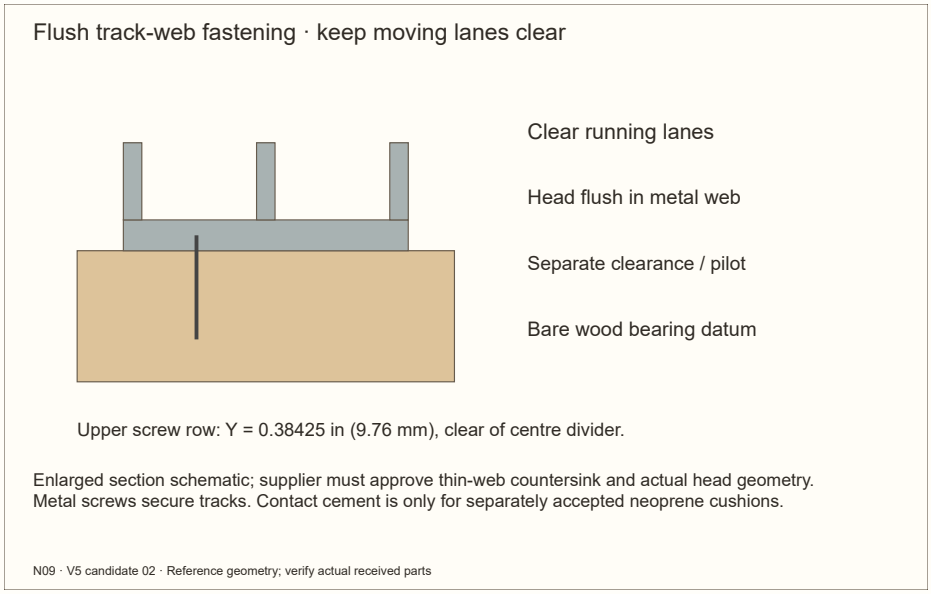
2. Centre the matched track lanes in the 1 1/2 in (38.1 mm) frame depth. Use the actual running lanes to align the upper channel directly over the lower rail. Their lane spacing differs slightly; confirm each top guide runs freely in its corresponding upper lane. Keep both tracks straight and parallel.

Check before continuing: The trial rolls freely; flush mechanical web holes and four cushion bond areas are marked. No cushion screw holes are drilled.

OP38 · Trial web fastening and jamb cushions

Parts: TRACK-B — D602 lower rail; TRACK-T — D603 upper channel; JAMBL — D603 vertical jamb receiver; JAMBR — D603 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 web fastening and jamb cushions

1. Mark separate metal clearance and stopped wood-pilot operations. The upper-channel screws lie in the front lane at Y = 0.38425 in (9.76 mm) from the core FRONT datum, clear of the centre divider. Lower screws sit between running rails at Y = 0.6 in (15.24 mm). Jamb screws use the front lane at left and rear lane at right. H01 must approve the thin-web countersink. Trial actual head angle and diameter, keeping heads flush without distorting or breaking out the extrusion. Do not countersink a running rib.

2. Only after CRL approves the alteration, relieve the centre divider of the RIGHT vertical D603 jamb from 8 in (203.2 mm) to 9 in (228.6 mm) above the finished floor. Preserve its continuous backing web, both outer walls and mounting holes. Support the loose extrusion while cutting, file every edge and remove swarf. Trial the actual rear-leaf lock clip through the full path: soft cushion contact must precede any metal or wood contact.

3. Dry-fit four 13.16375 in (334.36 mm) × 0.28 in (7.11 mm) × 1/16 in (1.59 mm) neoprene cushions between the horizontal tracks, with no end tabs or cushion screws. Test the supplier-accepted bond on offcuts and measure its cured film. Temporarily clamp for the gauge trial, install the remaining track screws by hand and prove both lanes. A bowed track, projecting head or loose wheel fails this trial.

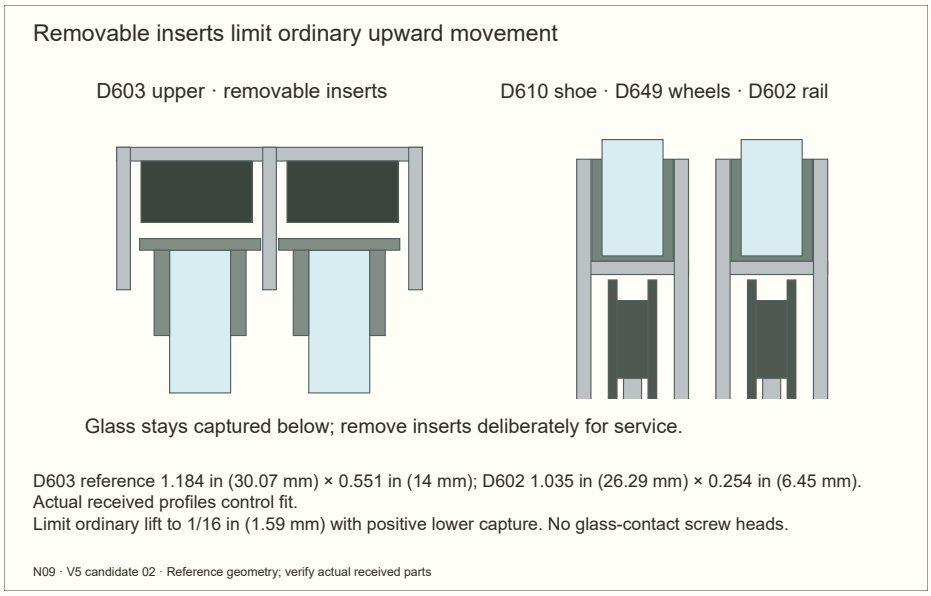
Check before continuing: The trial rolls freely; flush mechanical web holes and four cushion bond areas are marked. No cushion screw holes are drilled.

OP39 · Predrill anti-lift and final hardware holes

Parts: Upper track, six 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 six removable anti-lift inserts. Transfer every #4 screw station now, while the wood is dry and unfinished. Also trial all sixteen 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.

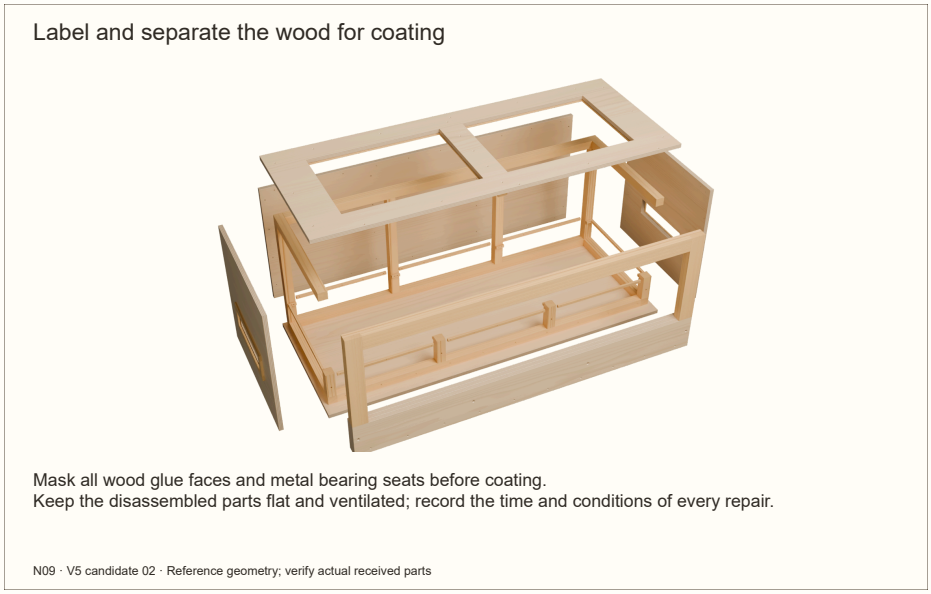
3. Label each insert, cushion, screw and position; record hole depths and keep those parts together. Remove them for coating. If any final fit later needs fresh wood cuts, stop, reseal and restart full cure before glazing.

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

OP40 · Disassemble, sand and retain the labels

Parts: P01 floor; P02 roof; P03L/P03R walls; P04 back; F0/F1 frame; RB retainer; C supports; V/RT screen captures

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 four bolt stacks. Preserve the head recesses and bore edges for coating. Keep the permanently bonded floor/wood support assembly and laminated frame/retainer intact.

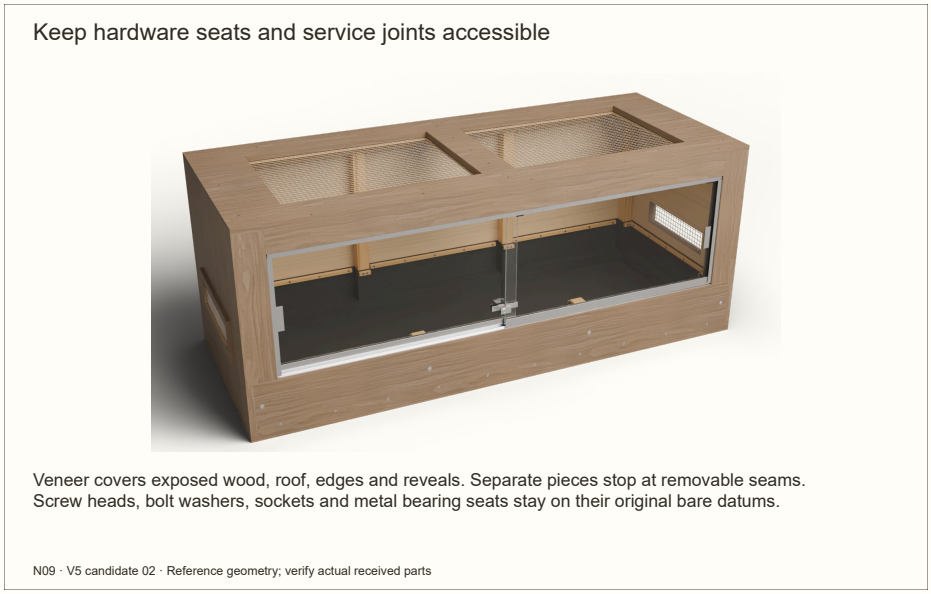
2. Sand from 120 to 220 grit along the grain. Ease all liner-contact edges; vacuum dust and wipe with a clean lint-free cloth. Fill no structural defect with finish; replace damaged material.

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: P01 floor; P02 roof; P03L/P03R walls; P04 back; F0/F1 frame; RB retainer; C supports; V/RT screen captures

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



Mask glue and metal seats; measure finish coverage

1. Keep glass, wheels, mesh and liner away from sanding and finish. Mask bare wood-glue interfaces, actual metal bearing footprints and washer seats. Veneer may not alter those hardware datums.

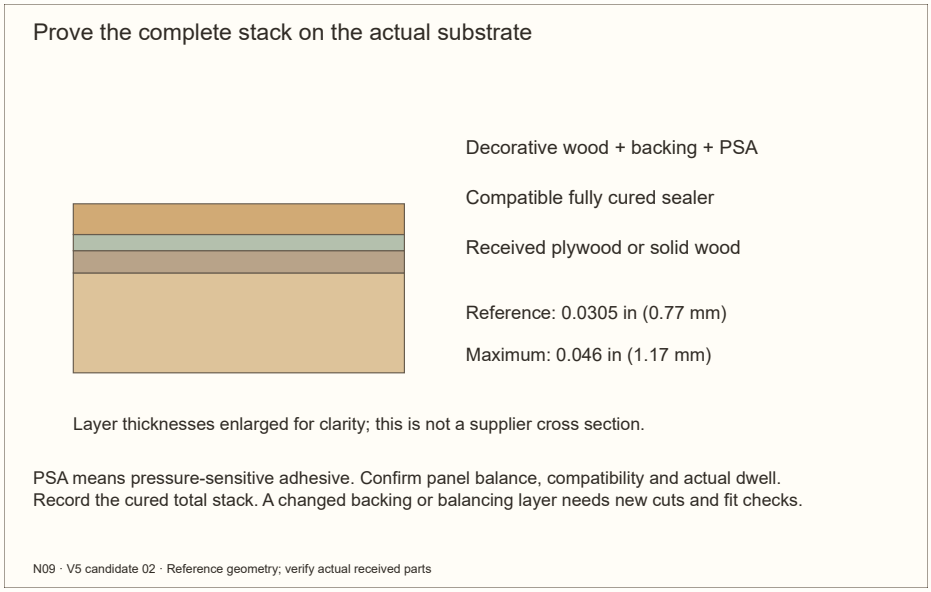
2. The revised coating allowance is 198.04 square feet (18.40 square metres), including substrate preseal, veneer topcoat, trials and contingency. At 50 square feet per quart, buy 4 quart cans as two two-can packs. Extra coats or balance layers require recalculation.

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: Sharp knife, straightedge, sacrificial cutting board, firm veneer scraper, masking and helper for long pieces



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.

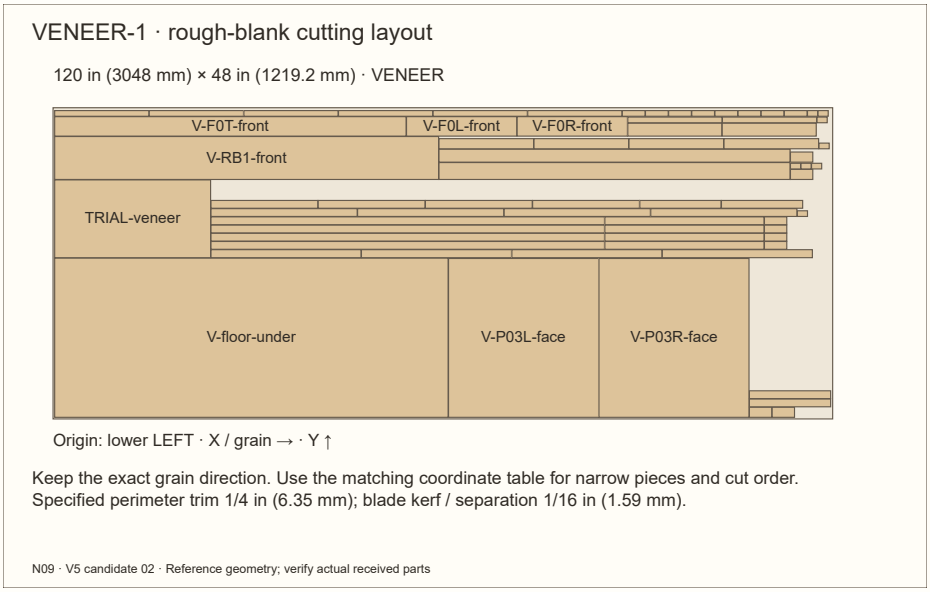
Check before continuing: The cured bond sample is accepted and complete stack is recorded before final skins are cut.

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: Sharp knife, straightedge, sacrificial cutting board, firm veneer scraper, masking and helper for long pieces



Cut the veneer blanks with the grain plan

1. Choose one species and follow its three 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 60 in (1524 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.

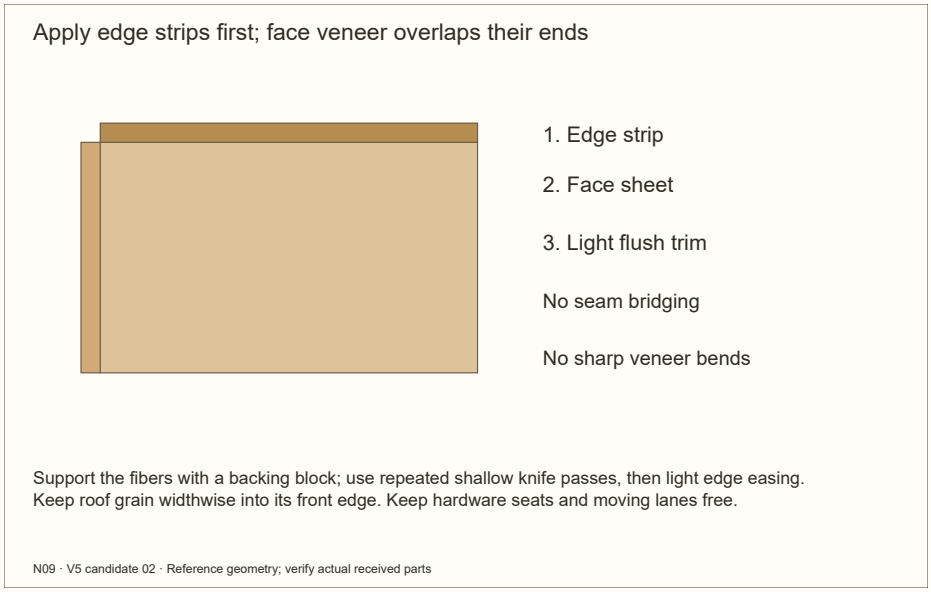
3. Keep each removable panel separate. Mask actual fastener heads, washers, sockets and metal seats as shown. Veneer cannot cover a service screw or bridge a removable joint.

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, wheel 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

Matching species across the whole wooden exterior



Roof, underside, wall faces, front members, edges, reveals and external captures use matching veneer. Grain runs physically along each part; seams remain open and hardware heads remain accessible.

N09 · V5 candidate 02 · Reference geometry; verify actual received parts

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 five-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.

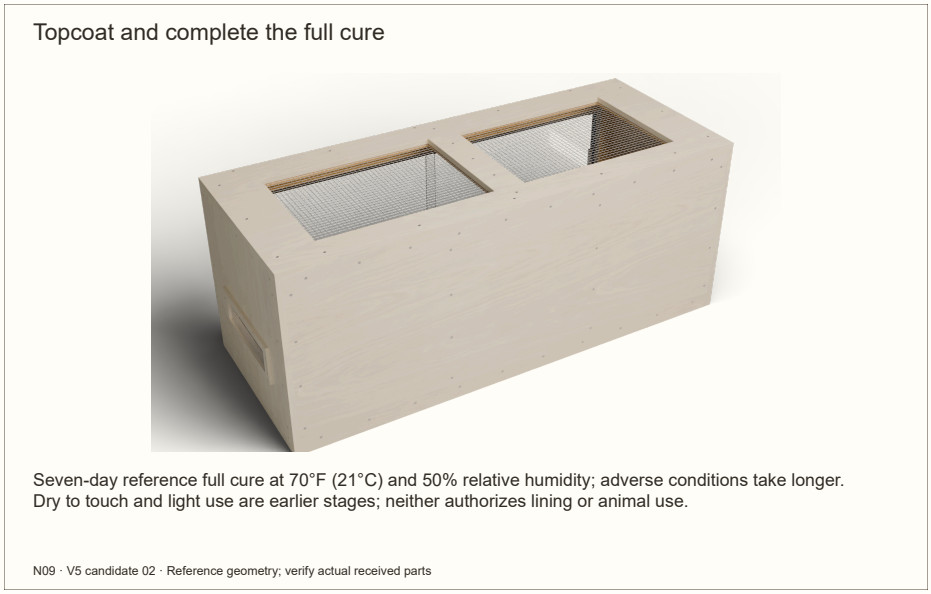
Check before continuing: All exterior wood and visible edges match; no layer hides a fastener or covers a required metal seat.

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: V- exterior veneers; exposed inner faces and edges of the P panels, F frame, RB retainer, C supports and V/RT captures

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



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.

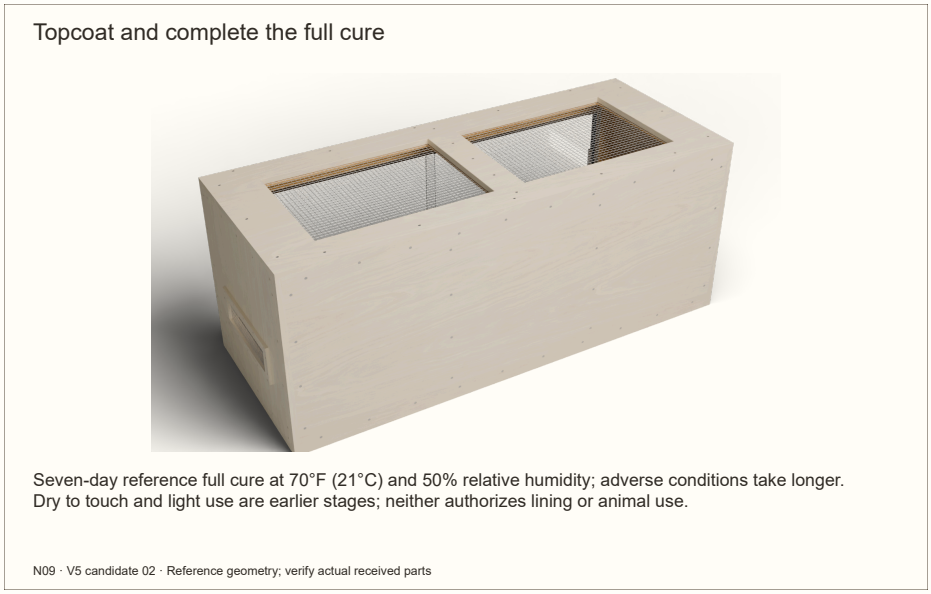
Check before continuing: The selected compatible coat covers the intended faces, edges and reveals; leave the parts supported and ventilated for full cure.

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

OP47 · Record full cure and inspect the finish

Parts: V- exterior veneers; exposed inner faces and edges of the P panels, F frame, RB retainer, C supports and V/RT captures

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



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.

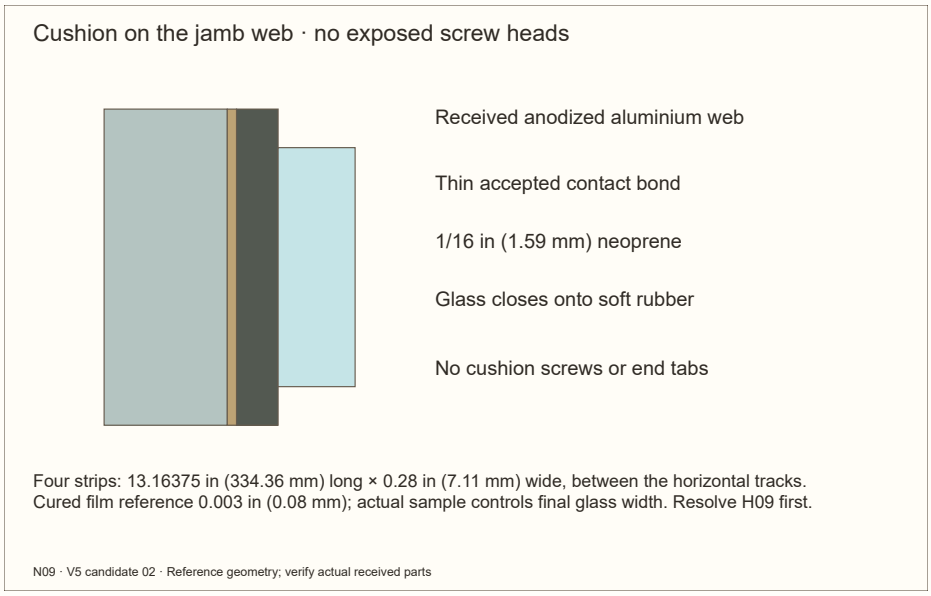
Required wait: Full cure: seven days at 70°F (21°C), 50% relative humidity (RH); longer when required

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.

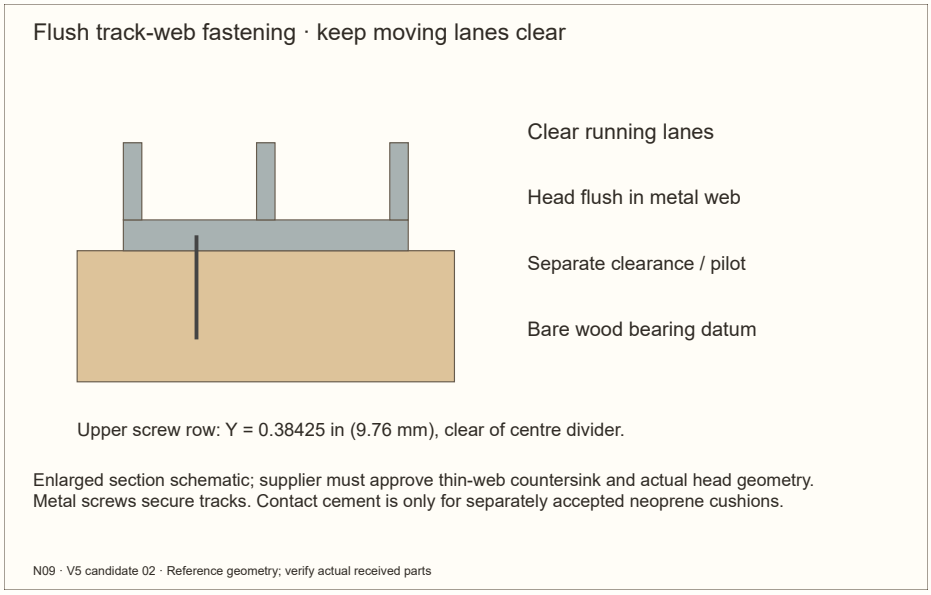
Required wait: Seven days before final glass sizing or operation; follow longer requirements on the actual label.

OP49 · Reassemble and fasten the accepted track system

Parts: D602 lower track; D603 upper track and jambs; D610 shoes; D652 guides; four STOP cushions; GL/GR field-order worksheet

Tools / setup: Caliper, tape, square, hand driver, clamps, masking and field-order worksheet

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



Reassemble and fasten the accepted track system

1. After the separately accepted cushion bonds are fully cured, reassemble the labelled shell, posts, four bolt stacks, front frame, recessed screen captures and mechanically fastened tracks into their predrilled, sealed and cured holes. Recheck the recessed interior locknuts before fitting the liner; do not crush the bearing wood. Do not introduce fresh wood holes without resealing and repeating cure.

2. Check the support surface, diagonals, header straightness and the complete sample-panel motion again. The cured finish reduces clearances, so measure the finished assembly before ordering glass.

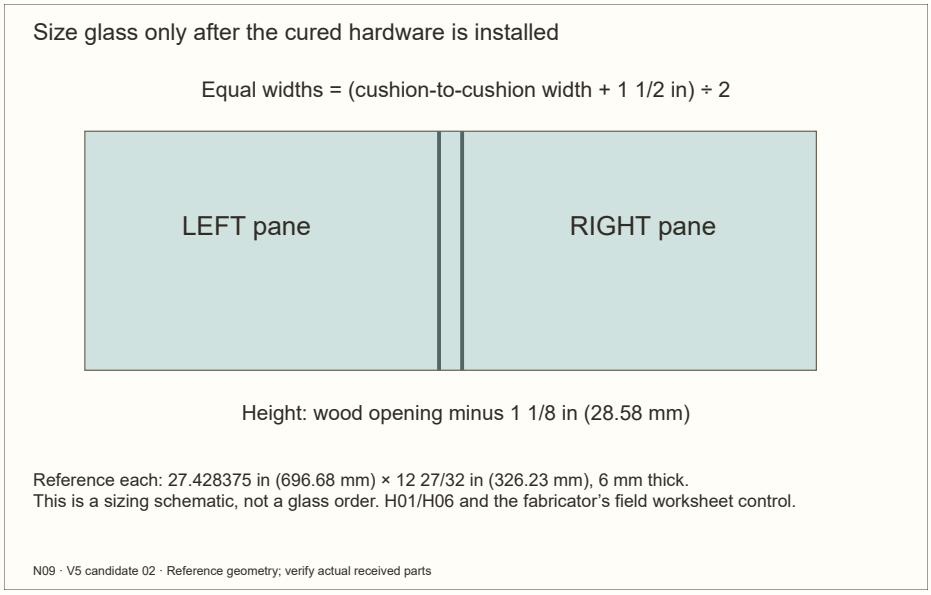
Check before continuing: The frame is square, tracks mechanically secure and cushions fully cured before field glass measurements.

OP50 · Measure and release the glass order

Parts: D602 lower track; D603 upper track and jambs; D610 shoes; D652 guides; four STOP cushions; GL/GR field-order worksheet

Tools / setup: Caliper, tape, square, hand driver, 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. Measure between the cured cushion closing faces and from the bare retaining top to the header underside. Give the fabricator the accepted received track/shoe/vinyl/guide samples and completed field worksheet. The starting width is (measured cushion-to-cushion width + 1 1/2 in (38.1 mm) overlap) divided by two. The starting height is opening height minus 1 1/8 in (28.58 mm). The fabricator must approve both deductions, edgework and tolerances from the actual assembly.

2. Planning reference only: each pane is 27.428375 in (696.68 mm) wide × 12 27/32 in (326.23 mm) high × 0.23622047 in (6 mm), approximately 7.52 lb (3.41 kg). These are NOT order sizes. Order monolithic tempered panes with fabricator-approved polished edges and tolerances. Complete all fabrication before tempering; never drill, cut or grind tempered glass.

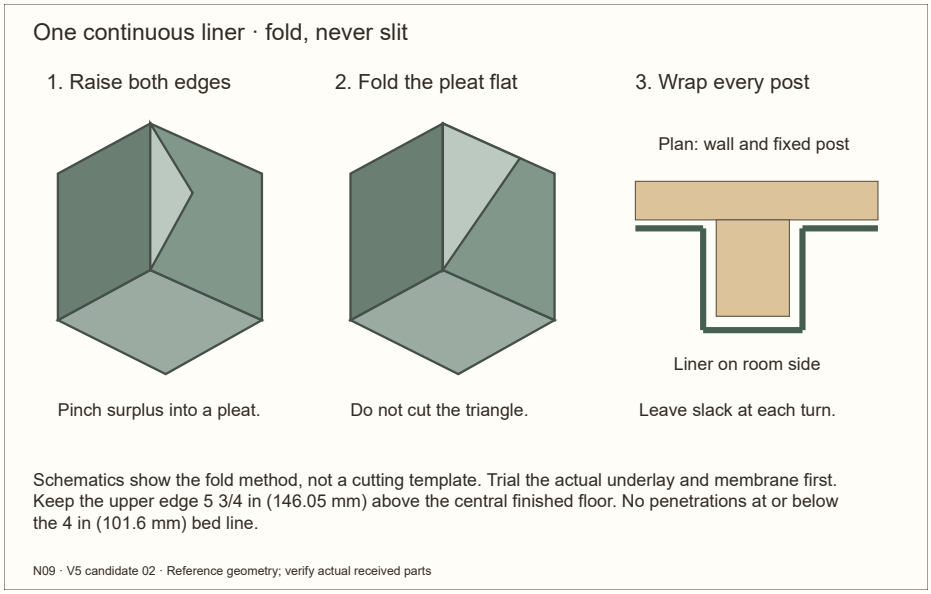
3. Document both finished cuts in the fitting worksheet and update any changed cut/model dimensions before construction acceptance. Each reference pane is 2.45 sq ft (0.23 m²). CRL's complete-system maximum suggested panel size is 36 in (914.4 mm) × 48 in (1219.2 mm). Its D649 guidance permits four rollers on larger panels up to 15 sq ft (1.39 m²); use four per leaf here, while keeping the smaller complete-system size limit. Neither statement supplies a numeric mass rating.

Check before continuing: The final measured opening, exact profiles and supplier-confirmed glass cuts are recorded; the panes are within the kit's stated size guidance.

OP51 · Fit the removable lined basin

Parts: LINER uncut basin; underlay; sixteen LC clamps around sides, front, rear and eight 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 84 in (2133.6 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 each corner, raise both liner edges, pinch surplus into an upright triangular pleat and fold it flat against the wall. This is an uncut hospital corner. Leave slack around the supports. Wrap all four front posts and four rear uprights on their room-facing surfaces; never slit corners or route membrane through a post.

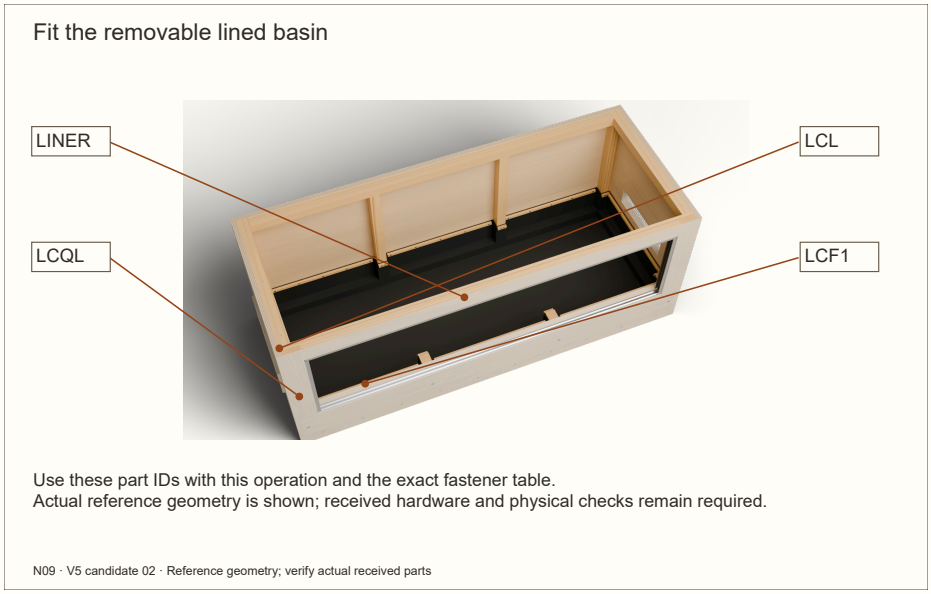
3. Recheck the finished central floor reference mark with a straightedge and depth gauge. Mark the 4 in (101.6 mm) maximum total bed on the lining. Bring the liner edge to 5 3/4 in (146.05 mm) above that floor, leaving it below the retaining top and clear of the door track.

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; sixteen LC clamps around sides, front, rear and eight posts.

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



Fit the removable lined basin · continue

1. Fit sixteen rounded clamps using their predrilled, sealed, fully cured holes: two side strips, three front, three rear and eight post-face strips. Screw centres are 5 3/8 in (136.53 mm) above finished floor, centred across each 1/2 in (12.7 mm) strip. Pierce membrane only through these above-fill holes, then use the stopped receiver pilots and #6 × 1 in (25.4 mm) screws. Fit post-face clamps first and LCL/LCR side clamps last so the driver can reach corner screws. Remove LCL/LCR first for service. Any fresh wood cut requires reseal and full recure.

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.

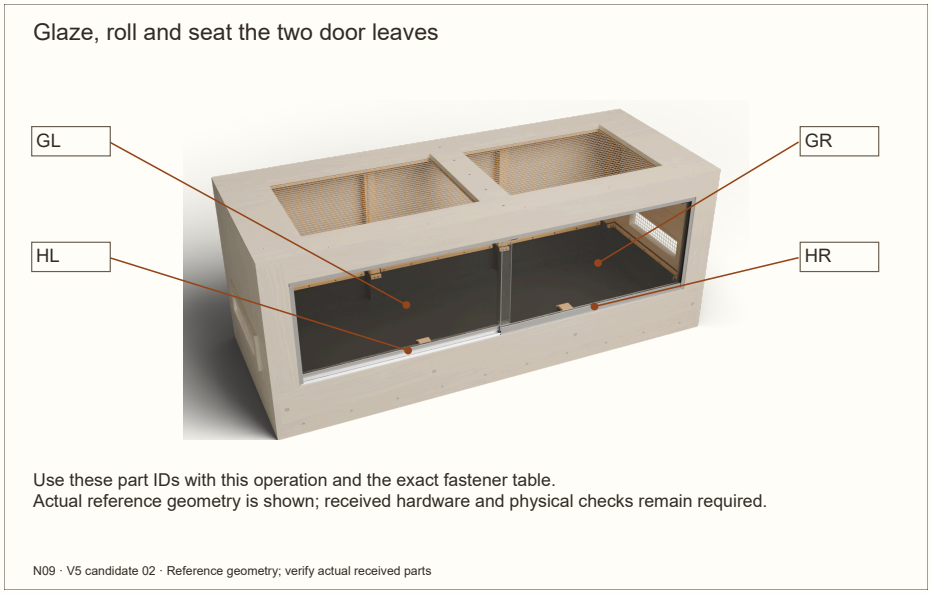
Check before continuing: The liner is uncut below its upper edge, the bed mark is measured from its floor, and the shell remains dry.

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

OP53 · Glaze, roll and seat the two door leaves

Parts: GL/GR glass; HL/HR D610 shoes; eight D649 wheels; four D652 guides; accepted glazing vinyl; D602/D603 tracks

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



Glaze, roll and seat the two door leaves

1. Inspect both panes for chips, cracks and damaged edges. Use a helper and a padded clean bench. Fit the supplier-confirmed dry glazing vinyl and glass to each D610 shoe with the supplied procedure. Do not assume the unresolved GC728C listing accepts this glass thickness.

2. Install four D649 wheels per shoe at the scheduled reference stations, corrected by the accepted received gauge trial. The outer wheel centres are 1 1/2 in (38.1 mm) from each pane end; the two inner centres use the exact listed stations, retained within each shoe. Use the supplied insertion tool and confirm all four wheels seat firmly and share the rail. Fit two D652 top guides per pane. This candidate uses no cosmetic end caps: fully deburr the shoe ends and prove snag-free clearance and wheel retention before glazing.

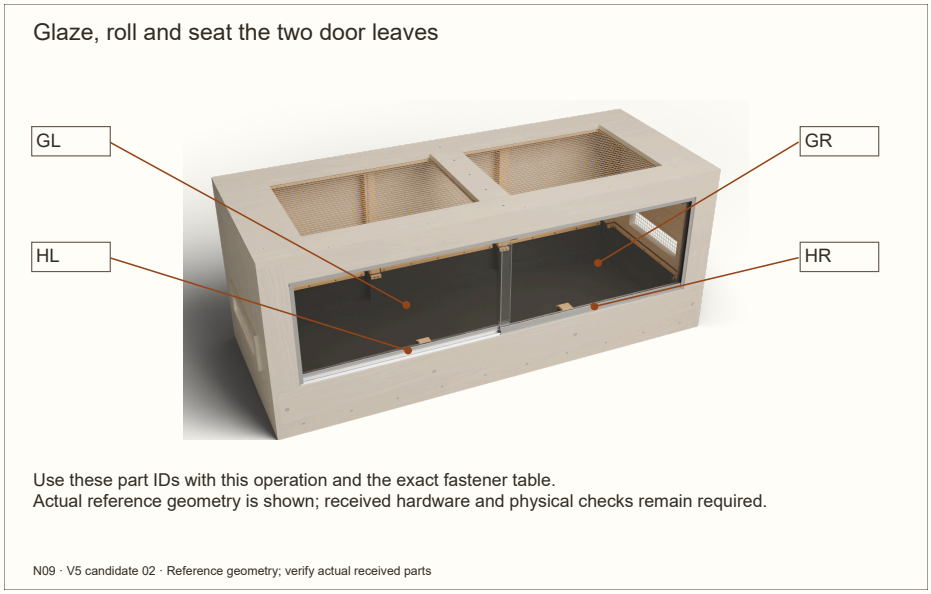
3. Insert the left closing leaf into the rear upper channel first, lift it, bring the roller shoe over the corresponding lower rail and lower gently. Install the right closing leaf in the front lane in the same way. Do not let the pane twist.

Check before continuing: Both doors roll without binding and remain seated throughout their travel; there is no glass-edge damage.

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

Parts: GL/GR glass; HL/HR D610 shoes; eight D649 wheels; four D652 guides; accepted glazing vinyl; D602/D603 tracks

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



Glaze, roll and seat the two door leaves · continue

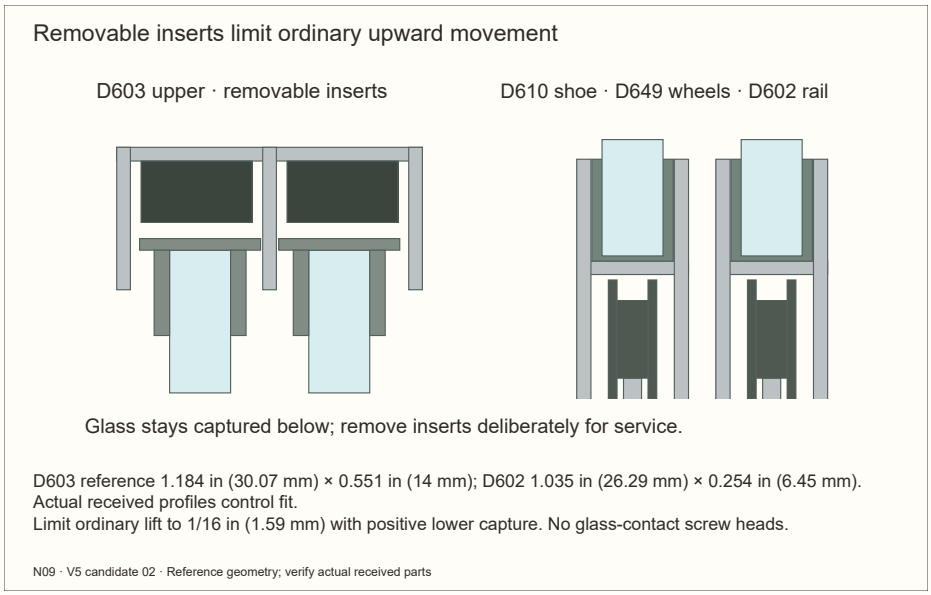
1. Move each leaf through its entire path and check the 1 1/2 in (38.1 mm) closed overlap. Inspect the guide engagement at both ends and the middle. The panes must not rub one another, a mounting head or a wood edge.

Check before continuing: Both doors roll without binding and remain seated throughout their travel; there is no glass-edge damage.

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

Parts: ALF1 — Removable anti-lift insert; ALF2 — Removable anti-lift insert; ALF3 — Removable anti-lift insert; ALB1 — Removable anti-lift insert; ALB2 — Removable anti-lift insert; ALB3 — Removable 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. Use the six labelled HDPE inserts accepted during the pre-finish trial. Reference pieces are 17.78758333 in (451.8 mm) long × 0.43 in (10.92 mm) wide × 0.2375 in (6.03 mm) high, three per lane. Actual seated guides and tracks control the final height. Allow at most 1/16 in (1.59 mm) upward play while preserving positive lower engagement.

2. Use three short strips to cover each lane continuously, with close butt joints at the thirds and no position where a guide can rise into a large gap. Keep their edges smooth and clear of the running faces.

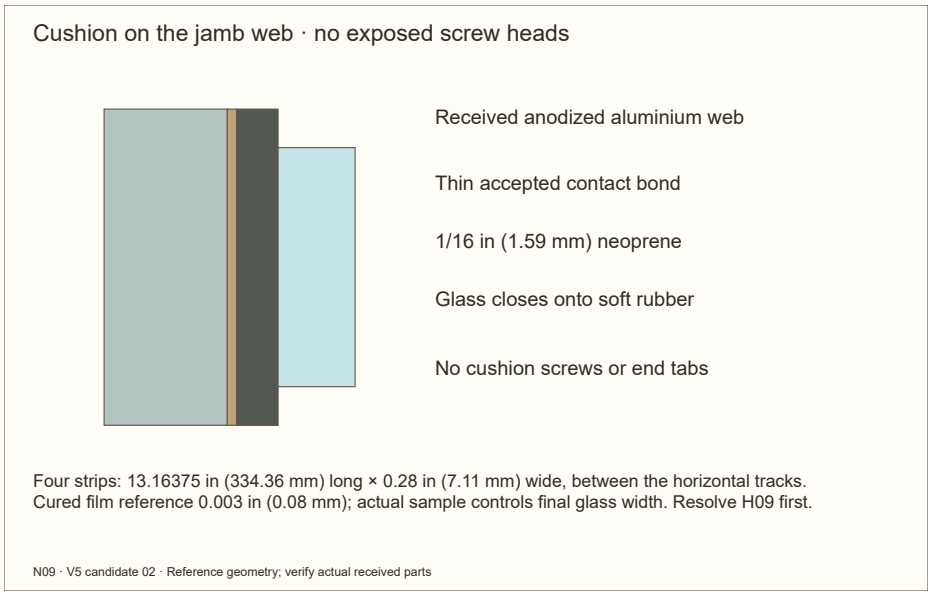
3. Support the glass and fit the labelled inserts through their predrilled clearance holes into sealed, fully cured header pilots. Keep heads below the guide path. If any hole or strip needs a new cut, remove the panes, correct the work, reseal exposed wood and repeat full cure before reglazing.

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 anti-lift insert; ALF2 — Removable anti-lift insert; ALF3 — Removable anti-lift insert; ALB1 — Removable anti-lift insert; ALB2 — Removable anti-lift insert; ALB3 — Removable 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 all four bond-retained cushions. No cushion screw or hard adhesive bead may enter a moving path. Reject loose edges, creep or metal contact with glass; repair the accepted bond and repeat its complete cure and closing trial.

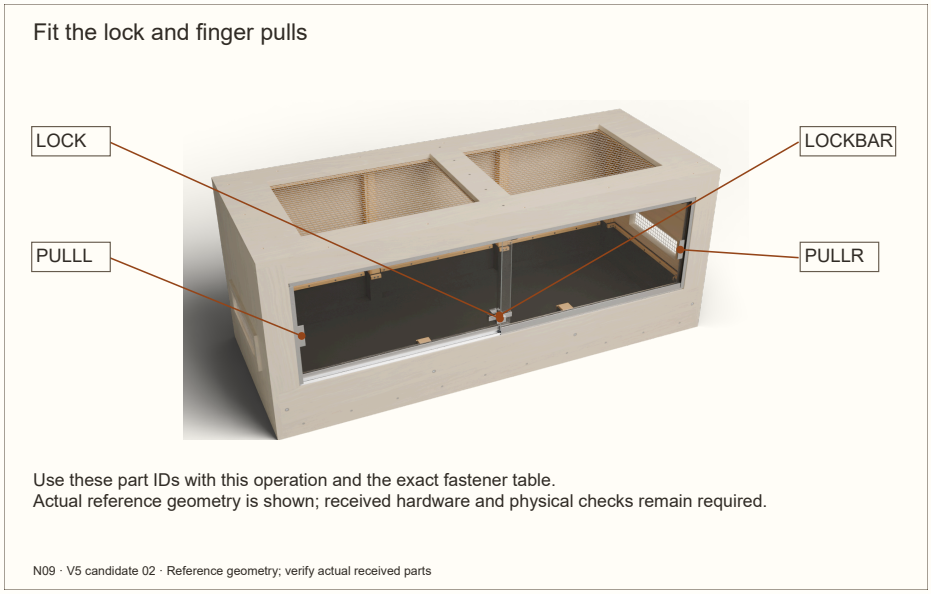
2. At both ends and the middle of travel, gently lift each pane. It must remain positively engaged on the lower rail, with the top guide retained. Remove the inserts to demonstrate safe service removal, then reinstall them. If the pane can clear its lower rail with the inserts fitted, correct the profile fit before proceeding.

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; 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

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.

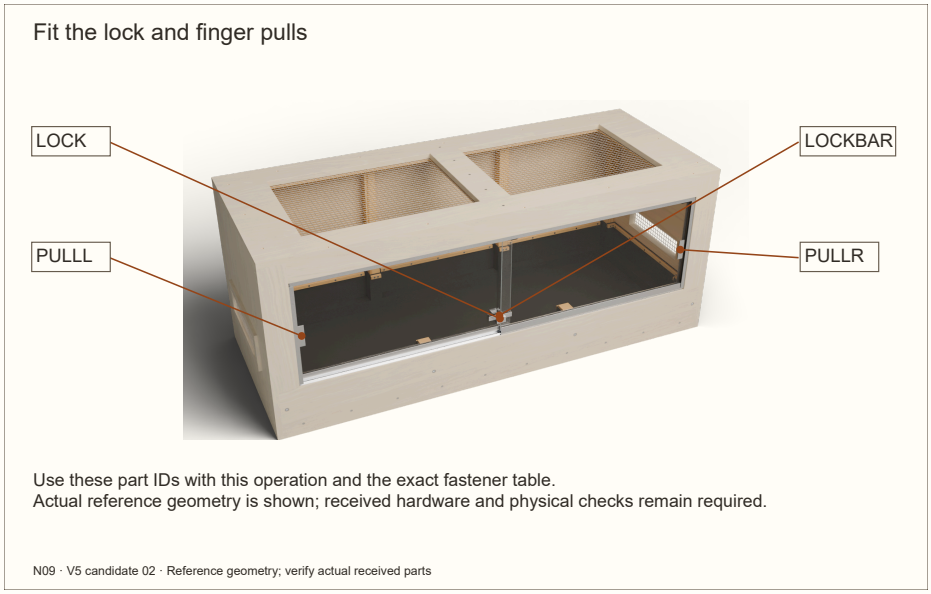
3. Clean the pull locations using the pull maker’s instructions. Place each FP86 near its closing edge, away from the lock and shoe, and confirm the complete bypass path before bonding. Follow the adhesive preparation and dwell time on the received product.

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

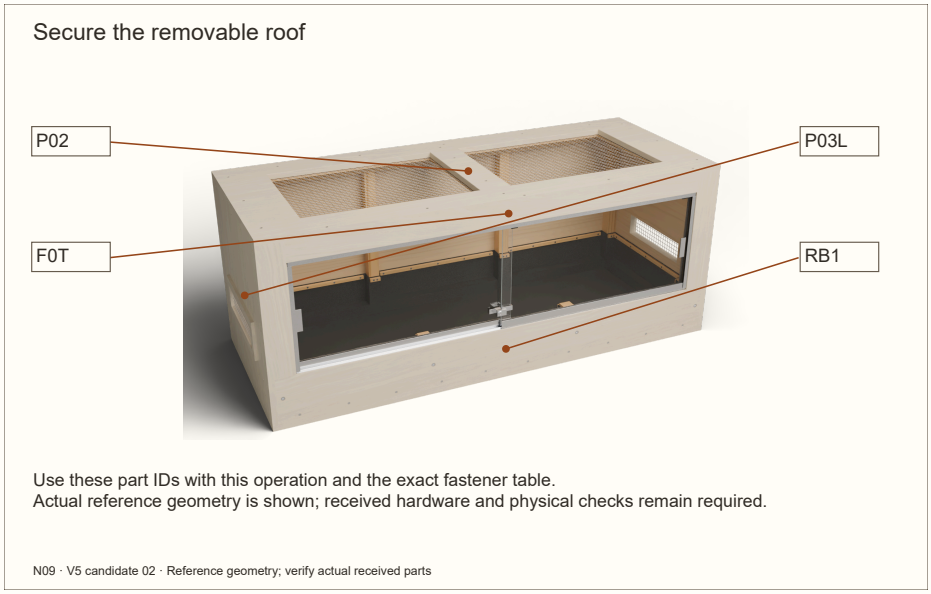
1. Remove the lock body before sliding. Reference clear one-leaf access is 25.367875 in (644.34 mm); actual jamb noses, guides and lock clip control the available height and width. Measure with all fittings in place. The rear-leaf clip must meet its soft cushion before metal touches the jamb. Plan at least 24 in (609.6 mm) width for equipment access; 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, sealed and cured roof stations: three per side support, five across the front header and five across the rear upper support. The front row alternates Y = 3/8 in (9.53 mm) and 1 1/8 in (28.58 mm) behind the core FRONT datum, centred in the two solid frame layers. Do not drill new holes after cure; a correction requires reseal and full recure.

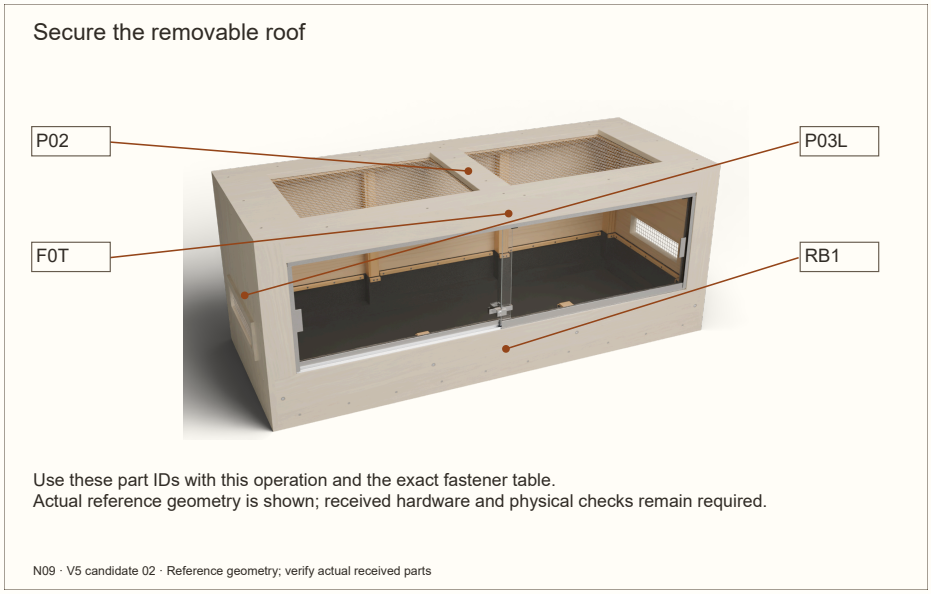
3. Fit #8 × 1 1/4 in (31.75 mm) screws, tightening evenly by hand. Do not glue the roof and do not use the mesh as a handle. Check the doors again with the roof secured.

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

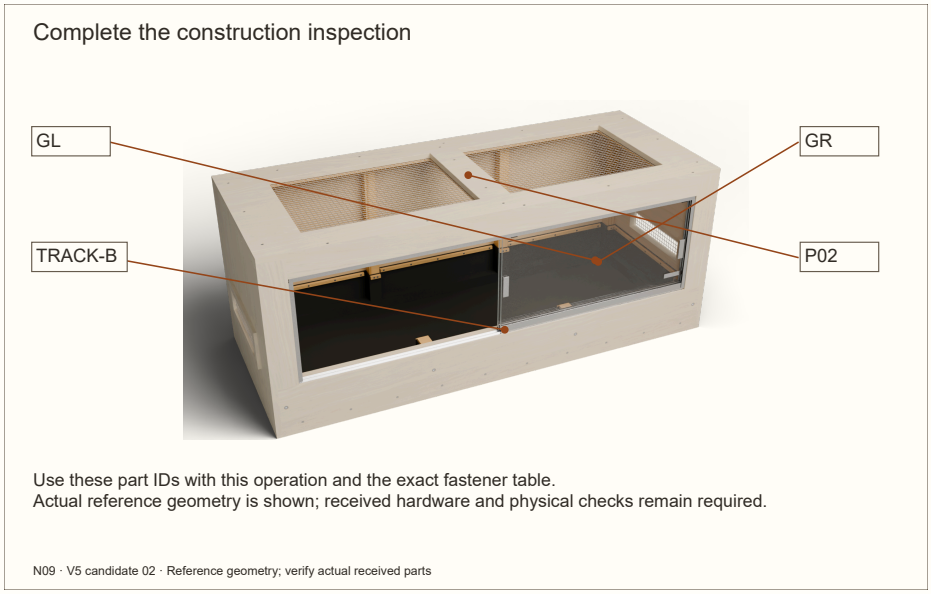
1. Keep the roof screw locations accessible in the final equipment arrangement. Remove equipment and disconnect power before roof service; support equipment independently of the screen.

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

OP61 · Complete the construction inspection

Parts: Complete empty enclosure, fitted glass GL/GR, anti-lift inserts, lock, roof and four screened openings

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 four 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.

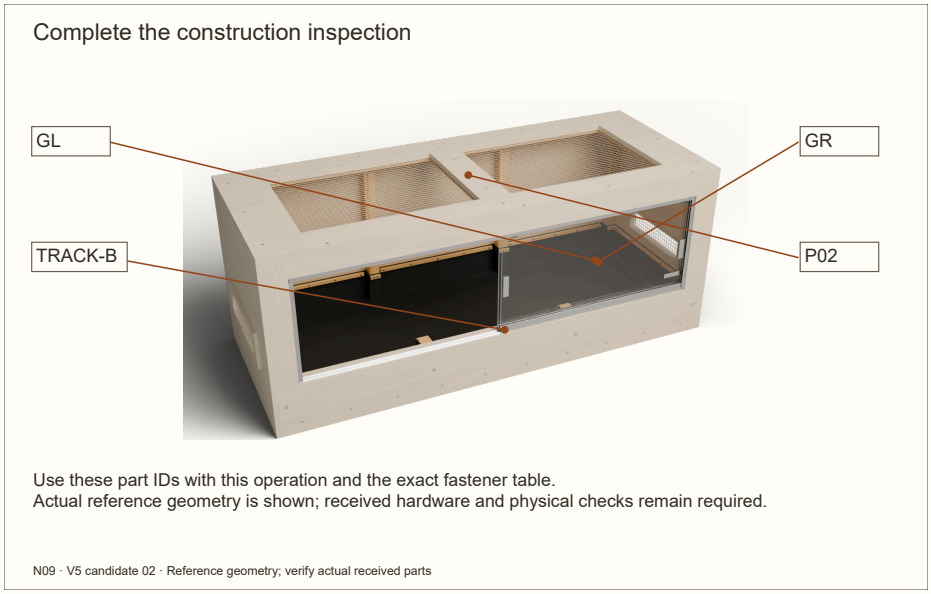
3. Verify the cured finish and dry shell after the liner test. Check that no below-fill screw or cable has penetrated the basin and that the removable liner clamps are accessible.

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: Complete empty enclosure, fitted glass GL/GR, anti-lift inserts, lock, roof and four screened openings

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



Complete the construction inspection · continue

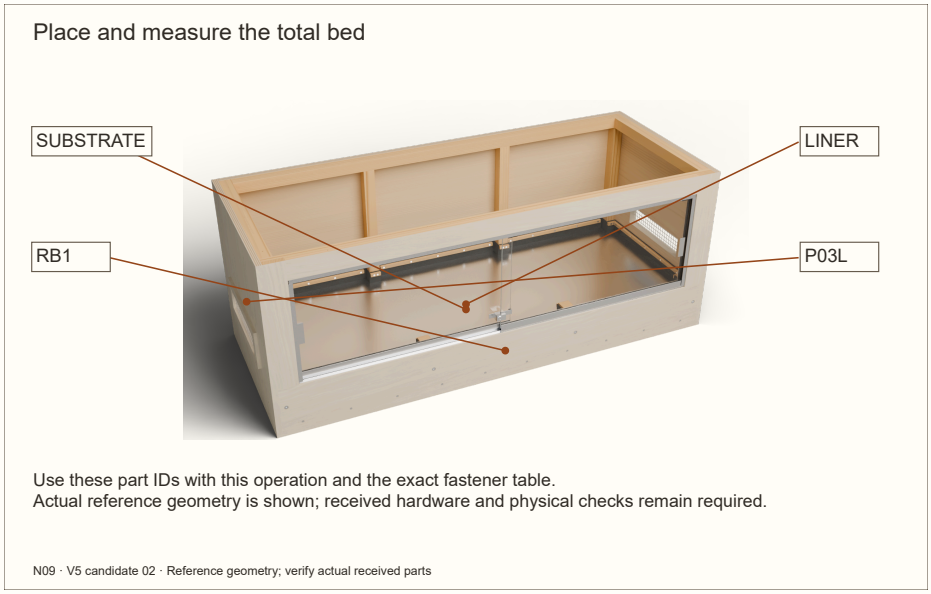
1. Rehearse removing and reinstalling the lock, anti-lift inserts, both panes and roof with the enclosure empty. Confirm that the cleaning tools can reach the rear corners and that the full bed can be removed without tipping the box.

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.

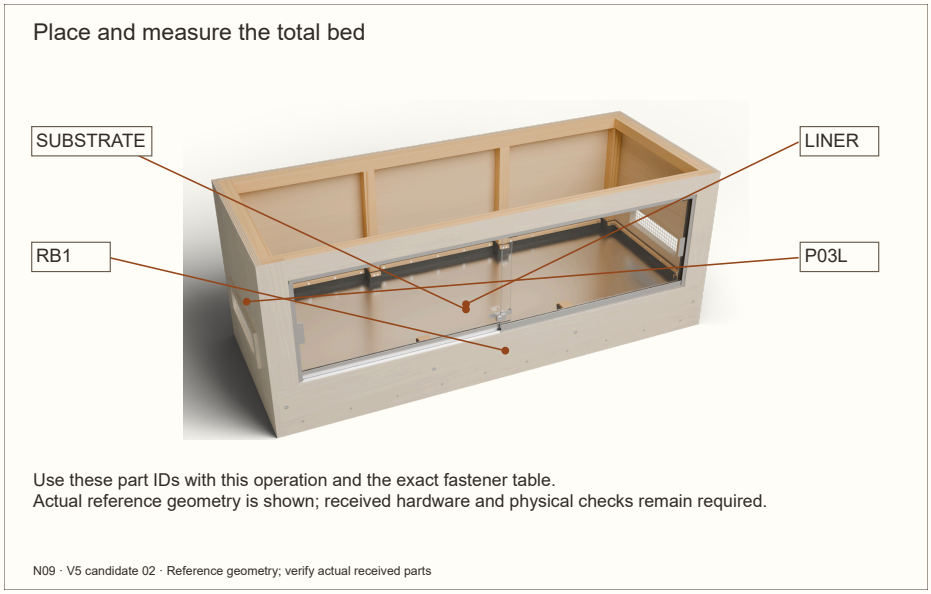
3. The uninterrupted reference floor rectangle between lined supports is 55 11/32 in (1405.73 mm) × 17 15/16 in (455.61 mm), about 6.894 square feet (0.6405 square metres). Above the 4 in (101.6 mm) bed, reference clear height beneath upper supports is 16 31/32 in (431.01 mm). Deduct actual lining folds, pads, equipment and furnishings.

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

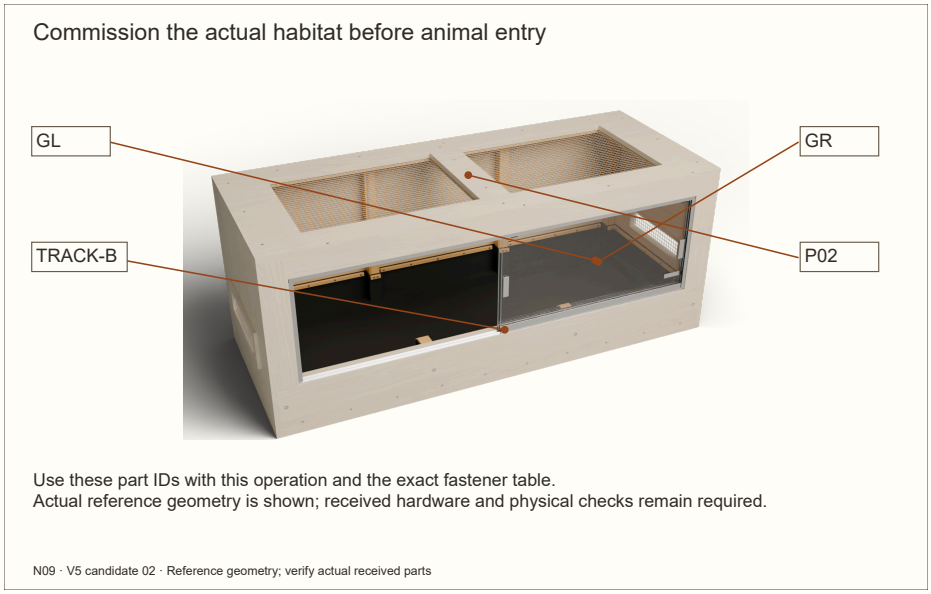
1. Weigh the delivered damp mix and record the total installed load. Check support deflection, doors and liner after filling; remove the bed if anything shifts or binds. The density scenarios are planning arithmetic, not a structural rating.

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: Complete enclosure, accepted liner and bed, actual lighting/heating equipment and measuring instruments

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 60 in (1524 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.

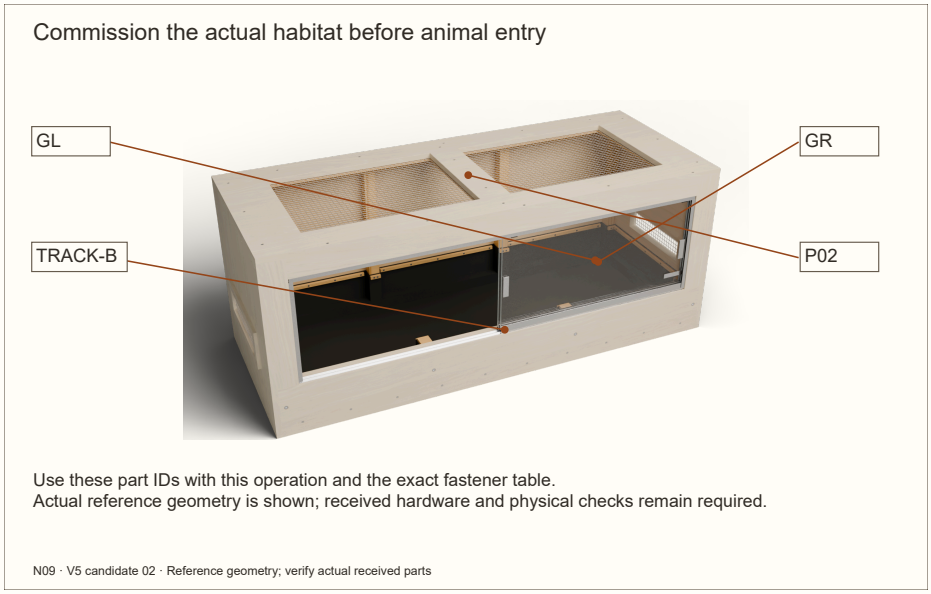
3. Choose heat, light, ultraviolet and control equipment for the actual habitat. An internally mounted fixture may be used when its manufacturer permits that installation and specifies its secure attachment, guard and clearances. A lamp placed above the mesh must have support qualified for that exact fixture; this guide does not rate the screen to carry it. Follow the exact equipment separation and combustible-clearance instructions. Keep hot parts away from wood, liner, glass and animal contact. An exterior support stand is not required when a permitted internal installation is used.

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.

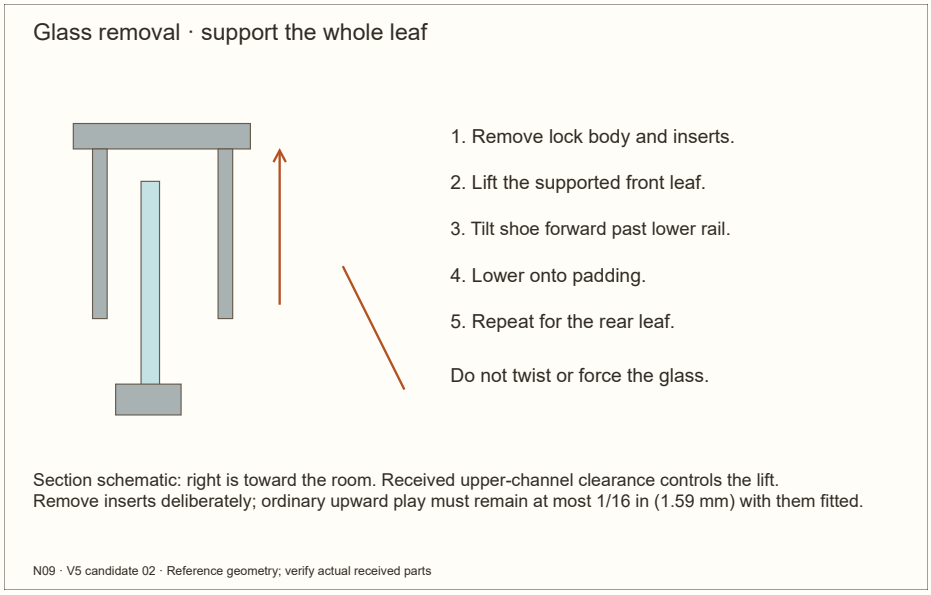
Check before continuing: Animal entry follows a separate, documented species/equipment commissioning review; a finished wooden shell is not that approval.

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.

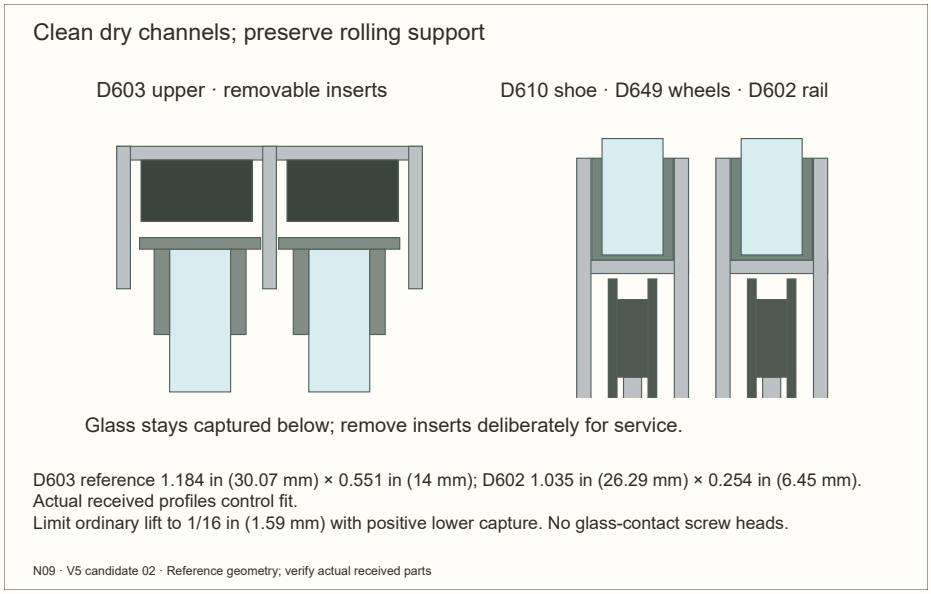
2. Lift the front leaf into the upper channel, tilt its shoe clear of the lower rail, and lower it onto a padded support. Repeat for the rear leaf. Never twist glass or rest an edge on a hard floor.

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, wheels, 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, then wipe them with a soft damp cloth. Do not flood the wheel channels or coat them with an unapproved lubricant. Inspect rollers, guides, deburred shoe ends, glass edges and cushions.

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.

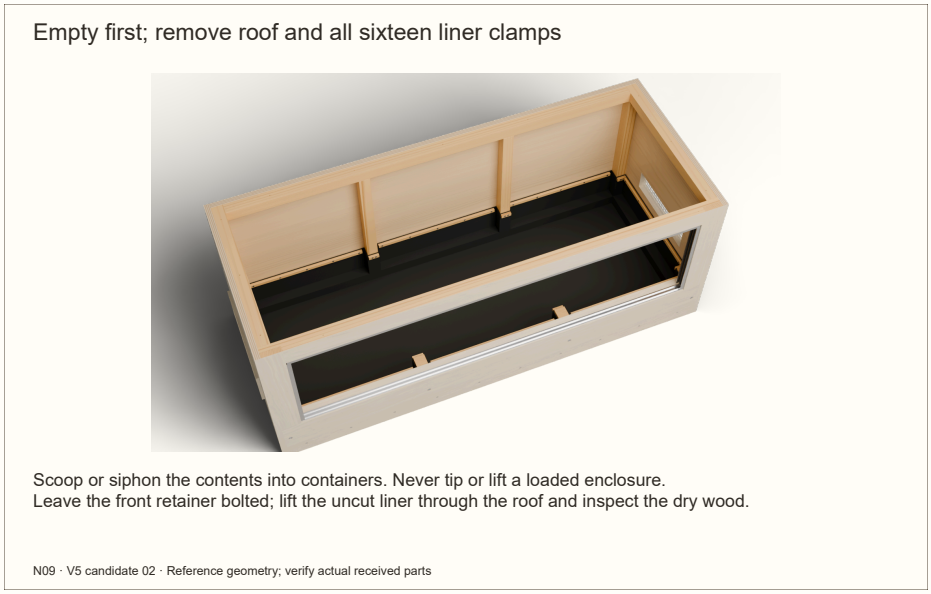
Check before continuing: Both leaves travel freely, remain captured and close securely before reuse.

OP69 · Empty and remove the lined basin

Parts: Removable roof, sixteen 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 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.

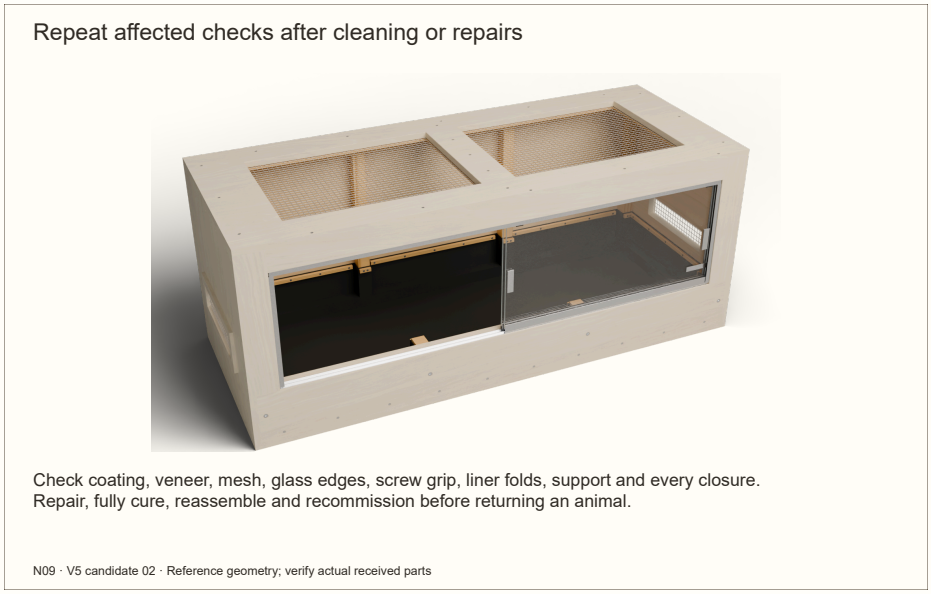
3. For the 6 in (152.4 mm) retaining front, use a stable service position that lets you reach the floor without leaning on glass or tracks. Once empty, remove the roof and side clamps LCL/LCR first, then the remaining fourteen liner clamps to lift out the one-piece basin. Leave the retainer bolted in 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



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: three 48 × 120 in (1219.2 × 3048 mm) sheets. Do not buy all three species. Three 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 2; 1 per package; buy 2 package(s)	Two-sheet cutting plan includes 1/8 in (3.18 mm) saw kerf. Measure the received gauge.
PINE · RELIABILT clear eastern white pine Direct product listing	PLSEL 1.000 6.000 8.000D4S Needed 3; 1 per package; buy 3 package(s)	Includes one trial board. Plane full-width stock to 3/8 in (9.53 mm) before ripping capture strips; never feed small finished strips into a planer.
SOLID · RELIABILT clear S4S solid pine Direct product listing	2X2 8 RPC Needed 5; 1 per package; buy 5 package(s)	Five 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: three 48 × 120 in (1219.2 × 3048 mm) sheets. Do not buy all three species. Three 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)	Four reference cushions: 13.16375 in (334.36 mm) long × 0.28 in (7.11 mm) wide × 1/16 in (1.59 mm) thick. Cut from the scheduled sheet; accepted bond only. No screw 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 4; 2 per package; buy 2 package(s)	198.04 square feet (18.40 square metres) planned. 4 US-quart cans (0.946 L each), sold as two-can packs; extra coats/balancing layers require recalculation.
W125 · Hillman #8 × 1 1/4-inch shell screws Direct product listing	35054 Needed 119; 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: three 48 × 120 in (1219.2 × 3048 mm) sheets. Do not buy all three species. Three 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 32; 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 128; 100 per package; buy 2 package(s)	Exact screw count comes from the station schedule; purchased packs include spare screws.
TRACKKIT · CRL satin anodized steel ball-bearing rolling kit Direct product listing	D2203ABB Needed 1; 1 per package; buy 1 package(s)	One 12-foot D602, D603 and D610 section; eight D649 wheels and four D652 guides installed. Catalogue kit inventory and current web quantities conflict; supplier must confirm contents before order. Cosmetic D332A end caps are not used.
VINYL · CRL gray dry-glazing vinyl, 100′ roll Direct product listing	GC728C Needed 1; 1 per package; buy 1 package(s)	HOLD: kit recommendation for 6 mm glass conflicts with current GC728C thickness listing. Supplier must confirm exact vinyl for measured glass and shoe. Do not substitute or force the glass.

Materials and hardware · continued

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

Product	Model and purchase quantity	Fit / purchase condition
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 (19.05–85.73 mm); this design targets 1 1/2 in (38.1 mm). Remove the lock body for sliding. Separate anti-lift inserts remain installed.
PULL · CRL silver stick-on finger pull Direct product listing	FP86 Needed 2; 1 per package; buy 10 package(s)	Two installed; current US minimum order ten each leaves eight spare. Confirm supplier preparation, adhesive dwell and availability.
TRACK · Everbilt #4 × 3/4-inch Phillips flat-head wood screw, 12-pack Direct product listing	806891 Needed 38; 12 per package; buy 4 package(s)	Thirty-eight installed: ten lower rail, ten upper channel, six jamb and twelve anti-lift. Eight former pad screws removed. Supplier-approved thin-web countersink and flush trial required; do not drill the upper centre divider.
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 6 mm tempered reference panes. Size after actual tracks, cushions, vinyl, guides, finish and anti-lift acceptance; no glass order from this reference.

Materials and hardware · continued

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

Product	Model and purchase quantity	Fit / purchase condition
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 84 in (2133.6 mm) × 48 in (1219.2 mm) blank; retain the offcut for service patches under the liner maker’s repair procedure.
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 84 in (2133.6 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 84 in (2133.6 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)	Six inserts, three per lane. Machine from wide stock; use actual received guide clearance, at most 1/16 in (1.59 mm) upward play and positive lower rail engagement.
BOLT · 316 stainless socket flat-head screw, 1/4-20 x 3-1/2 inch Direct product listing	24910 Needed 4; 1 per package; buy 4 package(s)	One exterior flush screw per retainer post; 5/32 in (3.97 mm) hex drive, 82-degree seat. Length includes flat head.

Materials and hardware · continued

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

Product	Model and purchase quantity	Fit / purchase condition
WASHER · 316 stainless 1/4-inch flat washer Direct product listing	16019 Needed 4; 1 per package; buy 4 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.
LOCKNUT · 316 stainless 1/4-20 nylon insert locknut Direct product listing	16008 Needed 4; 1 per package; buy 4 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	4 × 10 ft, selected species, 3M PSA; confirm exact configuration Needed 3; 1 per package; buy 3 package(s)	Full exterior faces, roof, edges, reveals and trial. Written balance, substrate/finish and service-environment acceptance required.
VENEER-oak · White oak exterior veneer Direct product listing	4 × 10 ft, selected species, 3M PSA; confirm exact configuration Needed 3; 1 per package; buy 3 package(s)	Full exterior faces, roof, edges, reveals and trial. Written balance, substrate/finish and service-environment acceptance required.

Materials and hardware · continued

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

Product	Model and purchase quantity	Fit / purchase condition
VENEER-walnut · Walnut exterior veneer Direct product listing	4 × 10 ft, selected species, 3M PSA; confirm exact configuration Needed 3; 1 per package; buy 3 package(s)	Full exterior faces, roof, edges, reveals and trial. Written balance, substrate/finish and service-environment acceptance required.
CUSHION-BOND · DAP Weldwood Original Contact Cement, pint Direct product listing	00271 / UPC 7079800271 Needed 1; 1 per package; buy 1 package(s)	Four neoprene jamb cushions only, 0.205 square feet two-face area plus trial. Written anodized aluminium/neoprene acceptance and seven-day sample cure. Never use on liner, glass or HDPE.

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	60 1/8 in (1527.18 mm) × 24 1/16 in (611.19 mm)	60 in (1524 mm) × 24 in (609.6 mm) × 45/64 in (17.86 mm)
P02 · Removable roof	60 1/8 in (1527.18 mm) × 24 1/16 in (611.19 mm)	60 in (1524 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	58 23/32 in (1491.46 mm) × 22 21/32 in (575.47 mm)	58 19/32 in (1488.28 mm) × 22 19/32 in (573.88 mm) × 45/64 in (17.86 mm)
RB1 · Laminated substrate retaining board	58 23/32 in (1491.46 mm) × 6 3/16 in (157.16 mm)	58 19/32 in (1488.28 mm) × 6 1/8 in (155.58 mm) × 45/64 in (17.86 mm)
RB2 · Laminated substrate retaining board	58 23/32 in (1491.46 mm) × 6 3/16 in (157.16 mm)	58 19/32 in (1488.28 mm) × 6 1/8 in (155.58 mm) × 45/64 in (17.86 mm)
RB3 · Laminated substrate retaining board	58 23/32 in (1491.46 mm) × 6 3/16 in (157.16 mm)	58 19/32 in (1488.28 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) × 2 9/16 in (65.09 mm)	16 15/32 in (418.31 mm) × 2 1/2 in (63.5 mm) × 3/4 in (19.05 mm)
F0R · R jamb layer	16 19/32 in (421.48 mm) × 2 9/16 in (65.09 mm)	16 15/32 in (418.31 mm) × 2 1/2 in (63.5 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	53 23/32 in (1364.46 mm) × 2 9/16 in (65.09 mm)	53 19/32 in (1361.28 mm) × 2 1/2 in (63.5 mm) × 3/4 in (19.05 mm)
F1L · L jamb layer	14 3/32 in (357.98 mm) × 2 9/16 in (65.09 mm)	13 31/32 in (354.81 mm) × 2 1/2 in (63.5 mm) × 3/4 in (19.05 mm)
F1R · R jamb layer	14 3/32 in (357.98 mm) × 2 9/16 in (65.09 mm)	13 31/32 in (354.81 mm) × 2 1/2 in (63.5 mm) × 3/4 in (19.05 mm)
F1T · Header layer	58 23/32 in (1491.46 mm) × 2 9/16 in (65.09 mm)	58 19/32 in (1488.28 mm) × 2 1/2 in (63.5 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	55 23/32 in (1415.26 mm) × 1 1/2 in (38.1 mm)	55 19/32 in (1412.08 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
CB · Back floor cleat	55 23/32 in (1415.26 mm) × 1 1/2 in (38.1 mm)	55 19/32 in (1412.08 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
CT · Back upper cleat	55 23/32 in (1415.26 mm) × 1 1/2 in (38.1 mm)	55 19/32 in (1412.08 mm) × 1 1/2 in (38.1 mm) × 1 1/2 in (38.1 mm)
CR · 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)
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)

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
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	23 in (584.2 mm) × 17 in (431.8 mm)	23 in (584.2 mm) × 17 in (431.8 mm) × 0.082 in (2.08 mm)
RTLF · Roof mesh capture strip	24 1/8 in (612.78 mm) × 1 1/16 in (26.99 mm)	24 in (609.6 mm) × 1 in (25.4 mm) × 3/8 in (9.53 mm)
RTLA · Roof mesh capture strip	24 1/8 in (612.78 mm) × 1 1/16 in (26.99 mm)	24 in (609.6 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)
RTLR · 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	23 in (584.2 mm) × 17 in (431.8 mm)	23 in (584.2 mm) × 17 in (431.8 mm) × 0.082 in (2.08 mm)

Cut list · continued

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Part	Rough length × width	Finished length × width × thickness
RTRF · Roof mesh capture strip	24 1/8 in (612.78 mm) × 1 1/16 in (26.99 mm)	24 in (609.6 mm) × 1 in (25.4 mm) × 3/8 in (9.53 mm)
RTRA · Roof mesh capture strip	24 1/8 in (612.78 mm) × 1 1/16 in (26.99 mm)	24 in (609.6 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	16.261875 in (413.05 mm) × 9/16 in (14.29 mm)	16.136875 in (409.88 mm) × 1/2 in (12.7 mm) × 3/8 in (9.53 mm)
LCF2 · Liner clamp between posts	17.715 in (449.96 mm) × 9/16 in (14.29 mm)	17.59 in (446.79 mm) × 1/2 in (12.7 mm) × 3/8 in (9.53 mm)
LCF3 · Liner clamp between posts	16.261875 in (413.05 mm) × 9/16 in (14.29 mm)	16.136875 in (409.88 mm) × 1/2 in (12.7 mm) × 3/8 in (9.53 mm)
LCB1 · Liner clamp between posts	16.261875 in (413.05 mm) × 9/16 in (14.29 mm)	16.136875 in (409.88 mm) × 1/2 in (12.7 mm) × 3/8 in (9.53 mm)

Cut list · continued

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Part	Rough length × width	Finished length × width × thickness
LCB2 · Liner clamp between posts	17.715 in (449.96 mm) × 9/16 in (14.29 mm)	17.59 in (446.79 mm) × 1/2 in (12.7 mm) × 3/8 in (9.53 mm)
LCB3 · Liner clamp between posts	16.261875 in (413.05 mm) × 9/16 in (14.29 mm)	16.136875 in (409.88 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)
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)
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)

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
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)
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)
V-floor-under · Veneer · floor-under	60.561 in (1538.25 mm) × 24.561 in (623.85 mm)	60.061 in (1525.55 mm) × 24.061 in (611.15 mm) × 0.0305 in (0.77 mm)
V-roof-top · Veneer · roof-top	60.561 in (1538.25 mm) × 24.561 in (623.85 mm)	60.061 in (1525.55 mm) × 24.061 in (611.15 mm) × 0.0305 in (0.77 mm)
V-P01-front · Veneer · P01-front	60.561 in (1538.25 mm) × 1 13/64 in (30.56 mm)	60.061 in (1525.55 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P01-back · Veneer · P01-back	60.561 in (1538.25 mm) × 1 13/64 in (30.56 mm)	60.061 in (1525.55 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-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)
V-P02-front · Veneer · P02-front	60.561 in (1538.25 mm) × 1 13/64 in (30.56 mm)	60.061 in (1525.55 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-P02-back · Veneer · P02-back	60.561 in (1538.25 mm) × 1 13/64 in (30.56 mm)	60.061 in (1525.55 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)

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-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)
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)

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-back · Veneer · back	59 3/32 in (1500.98 mm) × 23 3/32 in (586.58 mm)	58 19/32 in (1488.28 mm) × 22 19/32 in (573.88 mm) × 0.0305 in (0.77 mm)
V-RB1-front · Veneer · RB1-front	59 3/32 in (1500.98 mm) × 6 5/8 in (168.28 mm)	58 19/32 in (1488.28 mm) × 6 1/8 in (155.58 mm) × 0.0305 in (0.77 mm)
V-F0L-front · Veneer · F0L-front	16 31/32 in (431.01 mm) × 3 in (76.2 mm)	16 15/32 in (418.31 mm) × 2 1/2 in (63.5 mm) × 0.0305 in (0.77 mm)
V-F0R-front · Veneer · F0R-front	16 31/32 in (431.01 mm) × 3 in (76.2 mm)	16 15/32 in (418.31 mm) × 2 1/2 in (63.5 mm) × 0.0305 in (0.77 mm)
V-F0T-front · Veneer · F0T-front	54 3/32 in (1373.98 mm) × 3 in (76.2 mm)	53 19/32 in (1361.28 mm) × 2 1/2 in (63.5 mm) × 0.0305 in (0.77 mm)
V-opening-left · Veneer · opening-left	14 15/32 in (367.51 mm) × 2 in (50.8 mm)	13 31/32 in (354.81 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-opening-right · Veneer · opening-right	14 15/32 in (367.51 mm) × 2 in (50.8 mm)	13 31/32 in (354.81 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-opening-upper · Veneer · opening-upper	54.03275 in (1372.43 mm) × 2 in (50.8 mm)	53.53275 in (1359.73 mm) × 1 1/2 in (38.1 mm) × 0.0305 in (0.77 mm)
V-retainer-top · Veneer · retainer-top	54.03275 in (1372.43 mm) × 2 39/64 in (66.28 mm)	53.53275 in (1359.73 mm) × 2 7/64 in (53.58 mm) × 0.0305 in (0.77 mm)
V-TL-left · Veneer · TL-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-TL-right · Veneer · TL-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-TL-front · Veneer · TL-front	22 1/2 in (571.5 mm) × 1 13/64 in (30.56 mm)	22 in (558.8 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-TL-back · Veneer · TL-back	22 1/2 in (571.5 mm) × 1 13/64 in (30.56 mm)	22 in (558.8 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-TR-left · Veneer · TR-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-TR-right · Veneer · TR-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-TR-front · Veneer · TR-front	22 1/2 in (571.5 mm) × 1 13/64 in (30.56 mm)	22 in (558.8 mm) × 45/64 in (17.86 mm) × 0.0305 in (0.77 mm)
V-TR-back · Veneer · TR-back	22 1/2 in (571.5 mm) × 1 13/64 in (30.56 mm)	22 in (558.8 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)

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-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)
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)

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-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)
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)

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-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)
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 · D603 upper channel	53.48775 in (1358.59 mm) long; supplied D603 profile	53.36275 in (1355.41 mm) × 1.184 in (30.07 mm) × 0.551 in (14 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
JAMBL · D603 vertical jamb receiver	13.28875 in (337.53 mm) long; supplied D603 profile	13.16375 in (334.36 mm) × 0.551 in (14 mm) × 1.184 in (30.07 mm)
JAMBR · D603 vertical jamb receiver	13.28875 in (337.53 mm) long; supplied D603 profile	13.16375 in (334.36 mm) × 0.551 in (14 mm) × 1.184 in (30.07 mm)
TRACK-B · D602 lower rail	53.48775 in (1358.59 mm) long; supplied D602 profile	53.36275 in (1355.41 mm) × 1.035 in (26.29 mm) × 0.254 in (6.45 mm)
HL · D610 roller shoe	27.553375 in (699.86 mm) long; supplied D610 profile	27.428375 in (696.68 mm) × 0.433 in (11 mm) × 0.996 in (25.3 mm)
HR · D610 roller shoe	27.553375 in (699.86 mm) long; supplied D610 profile	27.428375 in (696.68 mm) × 0.433 in (11 mm) × 0.996 in (25.3 mm)
ALF1 · Removable anti-lift insert	17.91258333 in (454.98 mm) × 0.555 in (14.1 mm)	17.78758333 in (451.8 mm) × 0.43 in (10.92 mm) × 0.2375 in (6.03 mm)
ALF2 · Removable anti-lift insert	17.91258333 in (454.98 mm) × 0.555 in (14.1 mm)	17.78758333 in (451.8 mm) × 0.43 in (10.92 mm) × 0.2375 in (6.03 mm)
ALF3 · Removable anti-lift insert	17.91258333 in (454.98 mm) × 0.555 in (14.1 mm)	17.78758333 in (451.8 mm) × 0.43 in (10.92 mm) × 0.2375 in (6.03 mm)
ALB1 · Removable anti-lift insert	17.91258333 in (454.98 mm) × 0.555 in (14.1 mm)	17.78758333 in (451.8 mm) × 0.43 in (10.92 mm) × 0.2375 in (6.03 mm)
ALB2 · Removable anti-lift insert	17.91258333 in (454.98 mm) × 0.555 in (14.1 mm)	17.78758333 in (451.8 mm) × 0.43 in (10.92 mm) × 0.2375 in (6.03 mm)

Cut list · continued

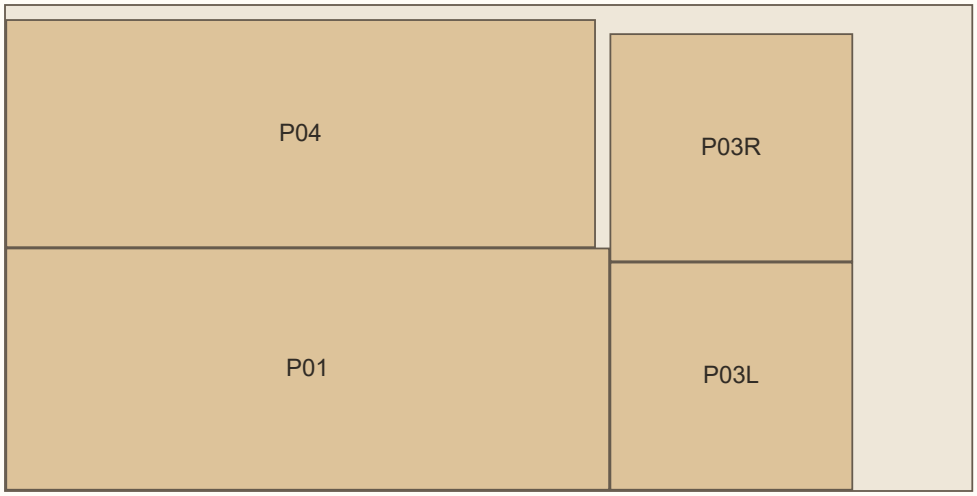
One of each ID. Length follows the allocated grain. Rough blanks include trimming; finished sizes describe the reference assembly. V-parts represent the whole cured veneer system. Hardware and glass remain sample/field-controlled; underlay thickness is a receiving input.

Part	Rough length × width	Finished length × width × thickness
ALB3 · Removable anti-lift insert	17.91258333 in (454.98 mm) × 0.555 in (14.1 mm)	17.78758333 in (451.8 mm) × 0.43 in (10.92 mm) × 0.2375 in (6.03 mm)
STOPLF · Bond-retained neoprene jamb cushion	13.28875 in (337.53 mm) × 0.405 in (10.29 mm)	13.16375 in (334.36 mm) × 0.28 in (7.11 mm) × 1/16 in (1.59 mm)
STOPLB · Bond-retained neoprene jamb cushion	13.28875 in (337.53 mm) × 0.405 in (10.29 mm)	13.16375 in (334.36 mm) × 0.28 in (7.11 mm) × 1/16 in (1.59 mm)
STOPRF · Bond-retained neoprene jamb cushion	13.28875 in (337.53 mm) × 0.405 in (10.29 mm)	13.16375 in (334.36 mm) × 0.28 in (7.11 mm) × 1/16 in (1.59 mm)
STOPRB · Bond-retained neoprene jamb cushion	13.28875 in (337.53 mm) × 0.405 in (10.29 mm)	13.16375 in (334.36 mm) × 0.28 in (7.11 mm) × 1/16 in (1.59 mm)
LINER-BLANK · Continuous basin blank	84 in (2133.6 mm) × 48 in (1219.2 mm)	84 in (2133.6 mm) × 48 in (1219.2 mm) × 0.045 in (1.14 mm)
UNDERLAY-BLANK · Protective underlay blank	84 in (2133.6 mm) × 48 in (1219.2 mm)	84 in (2133.6 mm) × 48 in (1219.2 mm) × received compressed thickness; measure with liner
GL · L polished tempered glass	27.428375 in (696.68 mm) × 12 27/32 in (326.23 mm)	27.428375 in (696.68 mm) × 12 27/32 in (326.23 mm) × 0.23622047 in (6 mm)
GR · R polished tempered glass	27.428375 in (696.68 mm) × 12 27/32 in (326.23 mm)	27.428375 in (696.68 mm) × 12 27/32 in (326.23 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).

N09 · 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.

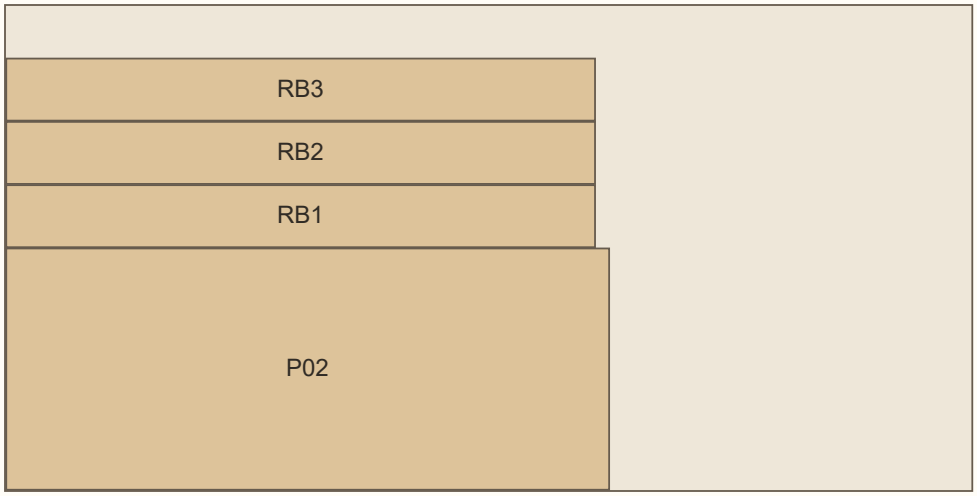
Part ID	Stock X / Y	Rough length × width
P01	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	60 1/8 in (1527.18 mm) × 24 1/16 in (611.19 mm)
P04	1/8 in (3.18 mm) / 24 5/16 in (617.54 mm)	58 23/32 in (1491.46 mm) × 22 21/32 in (575.47 mm)
P03L	60 3/8 in (1533.53 mm) / 1/8 in (3.18 mm)	24 1/8 in (612.78 mm) × 22 21/32 in (575.47 mm)
P03R	60 3/8 in (1533.53 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.

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).

N09 · 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.

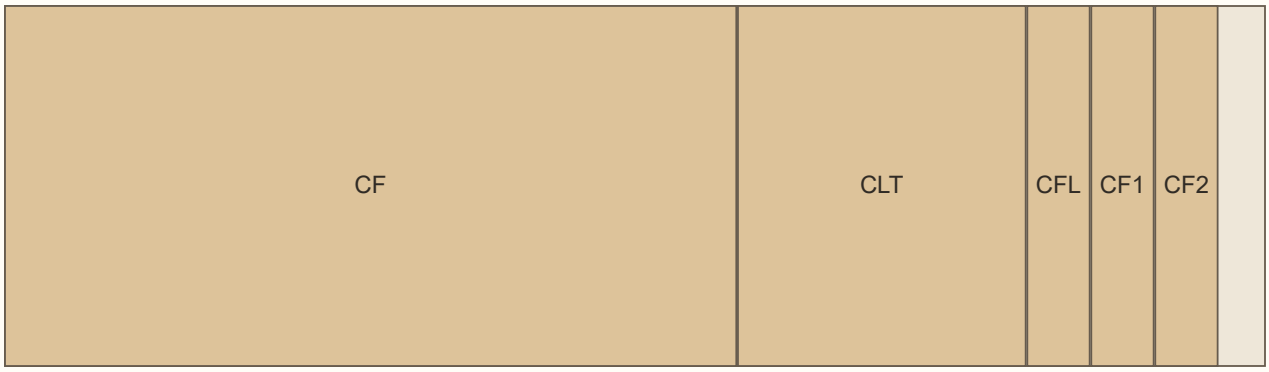
Part ID	Stock X / Y	Rough length × width
P02	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	60 1/8 in (1527.18 mm) × 24 1/16 in (611.19 mm)
RB1	1/8 in (3.18 mm) / 24 5/16 in (617.54 mm)	58 23/32 in (1491.46 mm) × 6 3/16 in (157.16 mm)
RB2	1/8 in (3.18 mm) / 30 5/8 in (777.88 mm)	58 23/32 in (1491.46 mm) × 6 3/16 in (157.16 mm)
RB3	1/8 in (3.18 mm) / 36 15/16 in (938.21 mm)	58 23/32 in (1491.46 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.

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).

N09 · 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.

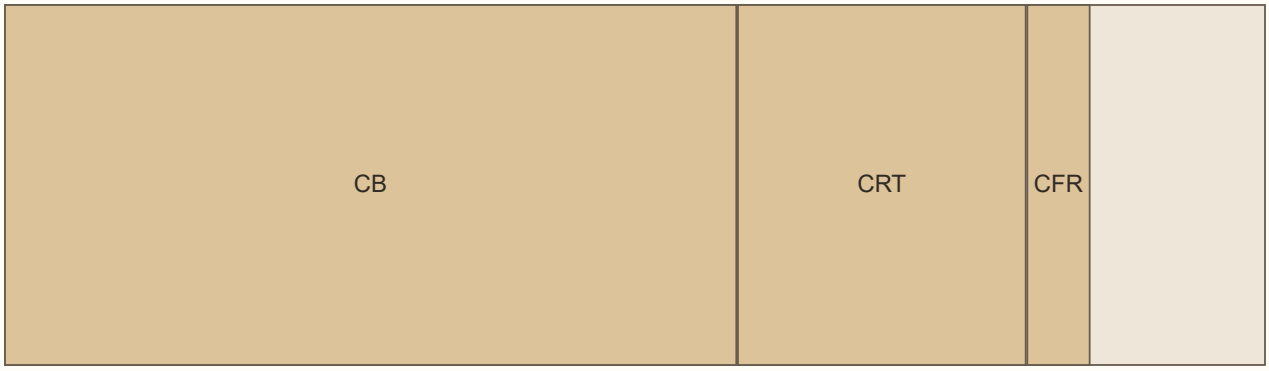
Part ID	Stock X / Y	Rough length × width
CF	0 in (0 mm) / 0 in (0 mm)	55 23/32 in (1415.26 mm) × 1 1/2 in (38.1 mm)
CLT	55 27/32 in (1418.43 mm) / 0 in (0 mm)	21 59/64 in (556.82 mm) × 1 1/2 in (38.1 mm)
CFL	77 57/64 in (1978.42 mm) / 0 in (0 mm)	4 3/4 in (120.65 mm) × 1 1/2 in (38.1 mm)
CF1	82 49/64 in (2102.25 mm) / 0 in (0 mm)	4 3/4 in (120.65 mm) × 1 1/2 in (38.1 mm)
CF2	87 41/64 in (2226.07 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-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).

N09 · 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.

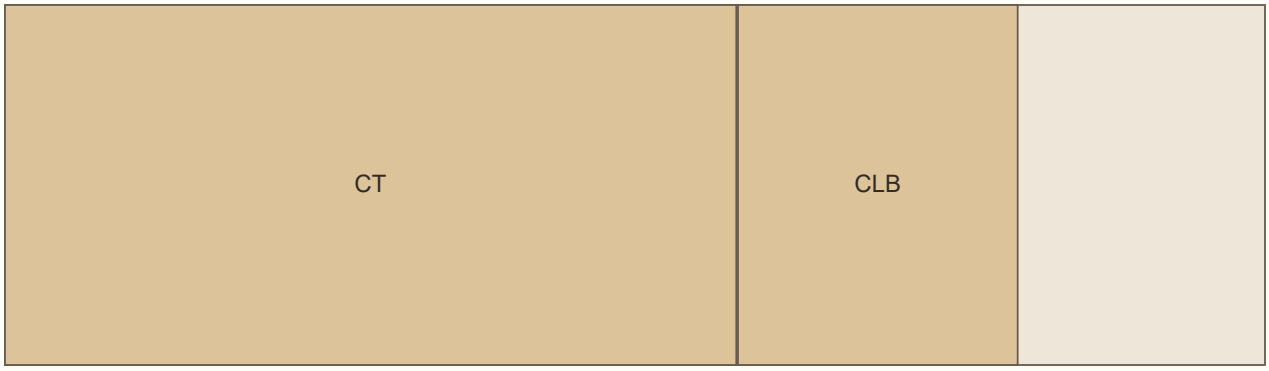
Part ID	Stock X / Y	Rough length × width
CB	0 in (0 mm) / 0 in (0 mm)	55 23/32 in (1415.26 mm) × 1 1/2 in (38.1 mm)
CRT	55 27/32 in (1418.43 mm) / 0 in (0 mm)	21 59/64 in (556.82 mm) × 1 1/2 in (38.1 mm)
CFR	77 57/64 in (1978.42 mm) / 0 in (0 mm)	4 3/4 in (120.65 mm) × 1 1/2 in (38.1 mm)

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-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).

N09 · 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.

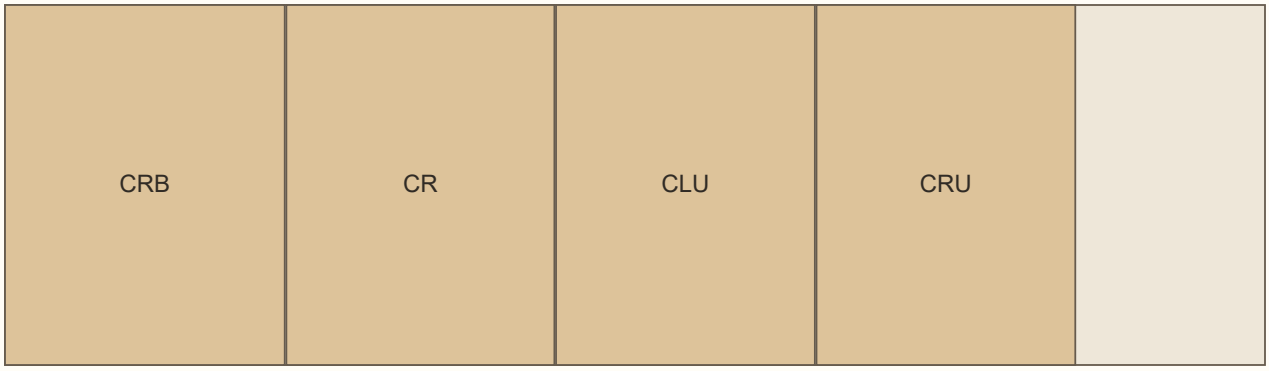
Part ID	Stock X / Y	Rough length × width
CT	0 in (0 mm) / 0 in (0 mm)	55 23/32 in (1415.26 mm) × 1 1/2 in (38.1 mm)
CLB	55 27/32 in (1418.43 mm) / 0 in (0 mm)	21 5/16 in (541.34 mm) × 1 1/2 in (38.1 mm)

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).

N09 · 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.

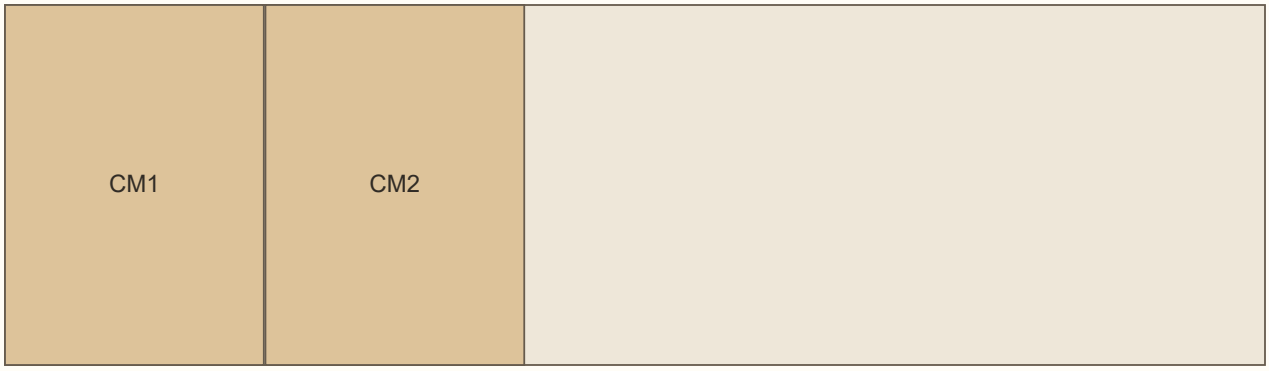
Part ID	Stock X / Y	Rough length × width
CRB	0 in (0 mm) / 0 in (0 mm)	21 5/16 in (541.34 mm) × 1 1/2 in (38.1 mm)
CR	21 7/16 in (544.51 mm) / 0 in (0 mm)	20 27/64 in (518.72 mm) × 1 1/2 in (38.1 mm)
CLU	41 63/64 in (1066.4 mm) / 0 in (0 mm)	19 23/32 in (500.86 mm) × 1 1/2 in (38.1 mm)
CRU	61 53/64 in (1570.43 mm) / 0 in (0 mm)	19 23/32 in (500.86 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).

N09 · 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
CM1	0 in (0 mm) / 0 in (0 mm)	19 23/32 in (500.86 mm) × 1 1/2 in (38.1 mm)
CM2	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)

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).

N09 · 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.

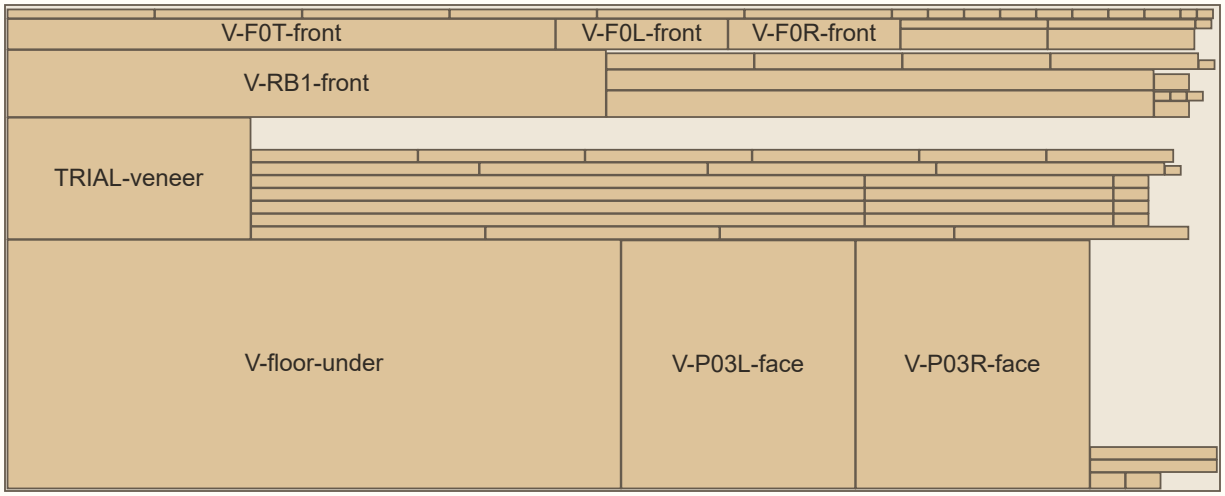
Part ID	Stock X / Y	Rough length × width
MTL	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	23 in (584.2 mm) × 17 in (431.8 mm)
MTR	1/8 in (3.18 mm) / 17 1/4 in (438.15 mm)	23 in (584.2 mm) × 17 in (431.8 mm)
ML	1/8 in (3.18 mm) / 34 3/8 in (873.13 mm)	13 in (330.2 mm) × 4 in (101.6 mm)
MR	1/8 in (3.18 mm) / 38 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).

N09 · 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)	60.561 in (1538.25 mm) × 24.561 in (623.85 mm)
V-P03L-face	60.8735 in (1546.19 mm) / 1/4 in (6.35 mm)	23 3/32 in (586.58 mm) × 24 1/2 in (622.3 mm)
V-P03R-face	84.02975 in (2134.36 mm) / 1/4 in (6.35 mm)	23 3/32 in (586.58 mm) × 24 1/2 in (622.3 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	1/4 in (6.35 mm) / 36.936 in (938.17 mm)	59 3/32 in (1500.98 mm) × 6 5/8 in (168.28 mm)
V-F0T-front	1/4 in (6.35 mm) / 43.6235 in (1108.04 mm)	54 3/32 in (1373.98 mm) × 3 in (76.2 mm)
V-F0L-front	54 13/32 in (1381.92 mm) / 43.6235 in (1108.04 mm)	16 31/32 in (431.01 mm) × 3 in (76.2 mm)
V-F0R-front	71 7/16 in (1814.51 mm) / 43.6235 in (1108.04 mm)	16 31/32 in (431.01 mm) × 3 in (76.2 mm)
V-retainer-top	59 13/32 in (1508.92 mm) / 36.936 in (938.17 mm)	54.03275 in (1372.43 mm) × 2 39/64 in (66.28 mm)
V-opening-upper	59 13/32 in (1508.92 mm) / 39.607875 in (1006.04 mm)	54.03275 in (1372.43 mm) × 2 in (50.8 mm)
V-opening-left	88 15/32 in (2247.11 mm) / 43.6235 in (1108.04 mm)	14 15/32 in (367.51 mm) × 2 in (50.8 mm)
V-opening-right	103 in (2616.2 mm) / 43.6235 in (1108.04 mm)	14 15/32 in (367.51 mm) × 2 in (50.8 mm)
V-VLB-outer	59 13/32 in (1508.92 mm) / 41.670375 in (1058.43 mm)	14.561 in (369.85 mm) × 1.561 in (39.65 mm)
V-VLT-outer	74.02975 in (1880.36 mm) / 41.670375 in (1058.43 mm)	14.561 in (369.85 mm) × 1.561 in (39.65 mm)
V-VRB-outer	88.65325 in (2251.79 mm) / 41.670375 in (1058.43 mm)	14.561 in (369.85 mm) × 1.561 in (39.65 mm)
V-VRT-outer	103.27675 in (2623.23 mm) / 41.670375 in (1058.43 mm)	14.561 in (369.85 mm) × 1.561 in (39.65 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-VLF-outer	113.5015 in (2882.94 mm) / 39.607875 in (1006.04 mm)	3.439 in (87.35 mm) × 1.561 in (39.65 mm)
V-VLA-outer	113.5015 in (2882.94 mm) / 36.936 in (938.17 mm)	3.439 in (87.35 mm) × 1.561 in (39.65 mm)
V-VRF-outer	107.186 in (2722.52 mm) / 1/4 in (6.35 mm)	3.439 in (87.35 mm) × 1.561 in (39.65 mm)
V-VRA-outer	110 11/16 in (2811.46 mm) / 1/4 in (6.35 mm)	3.439 in (87.35 mm) × 1.561 in (39.65 mm)
V-P03L-front	24 5/16 in (617.54 mm) / 24.8735 in (631.79 mm)	23 3/32 in (586.58 mm) × 1.233625 in (31.33 mm)
V-P03L-back	47 15/32 in (1205.71 mm) / 24.8735 in (631.79 mm)	23 3/32 in (586.58 mm) × 1.233625 in (31.33 mm)
V-P03R-front	70 5/8 in (1793.88 mm) / 24.8735 in (631.79 mm)	23 3/32 in (586.58 mm) × 1.233625 in (31.33 mm)
V-P03R-back	93 25/32 in (2382.04 mm) / 24.8735 in (631.79 mm)	23 3/32 in (586.58 mm) × 1.233625 in (31.33 mm)
V-P01-front	24 5/16 in (617.54 mm) / 26.169625 in (664.71 mm)	60.561 in (1538.25 mm) × 1 13/64 in (30.56 mm)
V-P01-back	24 5/16 in (617.54 mm) / 27.43525 in (696.86 mm)	60.561 in (1538.25 mm) × 1 13/64 in (30.56 mm)
V-P02-front	24 5/16 in (617.54 mm) / 28.700875 in (729 mm)	60.561 in (1538.25 mm) × 1 13/64 in (30.56 mm)
V-P02-back	24 5/16 in (617.54 mm) / 29.9665 in (761.15 mm)	60.561 in (1538.25 mm) × 1 13/64 in (30.56 mm)
V-P01-left	84.936 in (2157.37 mm) / 26.169625 in (664.71 mm)	24 1/2 in (622.3 mm) × 1 13/64 in (30.56 mm)
V-P01-right	84.936 in (2157.37 mm) / 27.43525 in (696.86 mm)	24 1/2 in (622.3 mm) × 1 13/64 in (30.56 mm)
V-P02-left	84.936 in (2157.37 mm) / 28.700875 in (729 mm)	24 1/2 in (622.3 mm) × 1 13/64 in (30.56 mm)
V-P02-right	84.936 in (2157.37 mm) / 29.9665 in (761.15 mm)	24 1/2 in (622.3 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-TL-front	24 5/16 in (617.54 mm) / 31.232125 in (793.3 mm)	22 1/2 in (571.5 mm) × 1 13/64 in (30.56 mm)
V-TL-back	46 7/8 in (1190.63 mm) / 31.232125 in (793.3 mm)	22 1/2 in (571.5 mm) × 1 13/64 in (30.56 mm)
V-TR-front	69 7/16 in (1763.71 mm) / 31.232125 in (793.3 mm)	22 1/2 in (571.5 mm) × 1 13/64 in (30.56 mm)
V-TR-back	92 in (2336.8 mm) / 31.232125 in (793.3 mm)	22 1/2 in (571.5 mm) × 1 13/64 in (30.56 mm)
V-TL-left	24 5/16 in (617.54 mm) / 32.49775 in (825.44 mm)	16.439 in (417.55 mm) × 1 13/64 in (30.56 mm)
V-TL-right	40.814 in (1036.68 mm) / 32.49775 in (825.44 mm)	16.439 in (417.55 mm) × 1 13/64 in (30.56 mm)
V-TR-left	57.3155 in (1455.81 mm) / 32.49775 in (825.44 mm)	16.439 in (417.55 mm) × 1 13/64 in (30.56 mm)
V-TR-right	73.817 in (1874.95 mm) / 32.49775 in (825.44 mm)	16.439 in (417.55 mm) × 1 13/64 in (30.56 mm)
V-P03L-vent-bottom	90.3185 in (2294.09 mm) / 32.49775 in (825.44 mm)	12 1/2 in (317.5 mm) × 1 13/64 in (30.56 mm)
V-P03L-vent-top	102.881 in (2613.18 mm) / 32.49775 in (825.44 mm)	12 1/2 in (317.5 mm) × 1 13/64 in (30.56 mm)
V-P03R-vent-bottom	107.186 in (2722.52 mm) / 1.8735 in (47.59 mm)	12 1/2 in (317.5 mm) × 1 13/64 in (30.56 mm)
V-P03R-vent-top	107.186 in (2722.52 mm) / 3.139125 in (79.73 mm)	12 1/2 in (317.5 mm) × 1 13/64 in (30.56 mm)
V-P03L-vent-near	109.4985 in (2781.26 mm) / 26.169625 in (664.71 mm)	3.439 in (87.35 mm) × 1 13/64 in (30.56 mm)
V-P03L-vent-far	109.4985 in (2781.26 mm) / 27.43525 in (696.86 mm)	3.439 in (87.35 mm) × 1 13/64 in (30.56 mm)
V-P03R-vent-near	109.4985 in (2781.26 mm) / 28.700875 in (729 mm)	3.439 in (87.35 mm) × 1 13/64 in (30.56 mm)
V-P03R-vent-far	109.4985 in (2781.26 mm) / 29.9665 in (761.15 mm)	3.439 in (87.35 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-VLB-low	88 15/32 in (2247.11 mm) / 45.686 in (1160.42 mm)	14 1/2 in (368.3 mm) × 7/8 in (22.23 mm)
V-VLB-high	103 1/32 in (2616.99 mm) / 45.686 in (1160.42 mm)	14 1/2 in (368.3 mm) × 7/8 in (22.23 mm)
V-VLT-low	1/4 in (6.35 mm) / 46.686 in (1185.82 mm)	14 1/2 in (368.3 mm) × 7/8 in (22.23 mm)
V-VLT-high	14 13/16 in (376.24 mm) / 46.686 in (1185.82 mm)	14 1/2 in (368.3 mm) × 7/8 in (22.23 mm)
V-VRB-low	29 3/8 in (746.13 mm) / 46.686 in (1185.82 mm)	14 1/2 in (368.3 mm) × 7/8 in (22.23 mm)
V-VRB-high	43 15/16 in (1116.01 mm) / 46.686 in (1185.82 mm)	14 1/2 in (368.3 mm) × 7/8 in (22.23 mm)
V-VRT-low	58 1/2 in (1485.9 mm) / 46.686 in (1185.82 mm)	14 1/2 in (368.3 mm) × 7/8 in (22.23 mm)
V-VRT-high	73 1/16 in (1855.79 mm) / 46.686 in (1185.82 mm)	14 1/2 in (368.3 mm) × 7/8 in (22.23 mm)
V-VLF-near	87 5/8 in (2225.68 mm) / 46.686 in (1185.82 mm)	3 1/2 in (88.9 mm) × 7/8 in (22.23 mm)
V-VLF-far	91 3/16 in (2316.16 mm) / 46.686 in (1185.82 mm)	3 1/2 in (88.9 mm) × 7/8 in (22.23 mm)
V-VLA-near	94 3/4 in (2406.65 mm) / 46.686 in (1185.82 mm)	3 1/2 in (88.9 mm) × 7/8 in (22.23 mm)
V-VLA-far	98 5/16 in (2497.14 mm) / 46.686 in (1185.82 mm)	3 1/2 in (88.9 mm) × 7/8 in (22.23 mm)
V-VRF-near	101 7/8 in (2587.63 mm) / 46.686 in (1185.82 mm)	3 1/2 in (88.9 mm) × 7/8 in (22.23 mm)
V-VRF-far	105 7/16 in (2678.11 mm) / 46.686 in (1185.82 mm)	3 1/2 in (88.9 mm) × 7/8 in (22.23 mm)
V-VRA-near	109 in (2768.6 mm) / 46.686 in (1185.82 mm)	3 1/2 in (88.9 mm) × 7/8 in (22.23 mm)
V-VRA-far	112 9/16 in (2859.09 mm) / 46.686 in (1185.82 mm)	3 1/2 in (88.9 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.

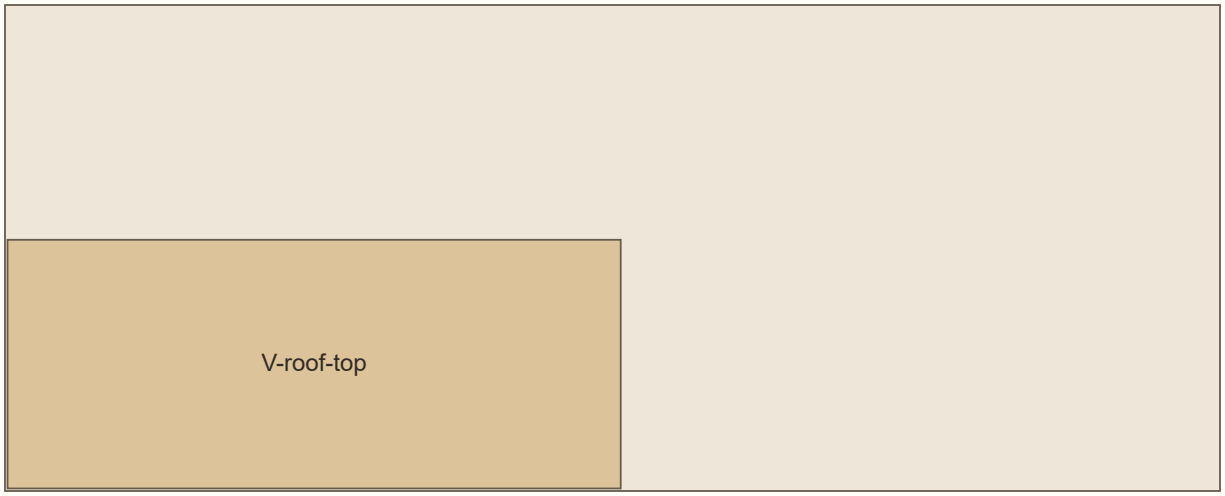
Part ID	Stock X / Y	Rough length × width
V-VLB-near	117 19/32 in (2986.88 mm) / 45.686 in (1160.42 mm)	1.561 in (39.65 mm) × 7/8 in (22.23 mm)
V-VLB-far	116 1/8 in (2949.58 mm) / 46.686 in (1185.82 mm)	1.561 in (39.65 mm) × 7/8 in (22.23 mm)
V-VLT-near	117.7485 in (2990.81 mm) / 46.686 in (1185.82 mm)	1.561 in (39.65 mm) × 7/8 in (22.23 mm)
V-VLT-far	113.5015 in (2882.94 mm) / 38.5595 in (979.41 mm)	1.561 in (39.65 mm) × 7/8 in (22.23 mm)
V-VRB-near	115 1/8 in (2924.18 mm) / 38.5595 in (979.41 mm)	1.561 in (39.65 mm) × 7/8 in (22.23 mm)
V-VRB-far	116.7485 in (2965.41 mm) / 38.5595 in (979.41 mm)	1.561 in (39.65 mm) × 7/8 in (22.23 mm)
V-VRT-near	117.90025 in (2994.67 mm) / 41.670375 in (1058.43 mm)	1.561 in (39.65 mm) × 7/8 in (22.23 mm)
V-VRT-far	114 9/16 in (2909.89 mm) / 31.232125 in (793.3 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).

N09 · 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-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.

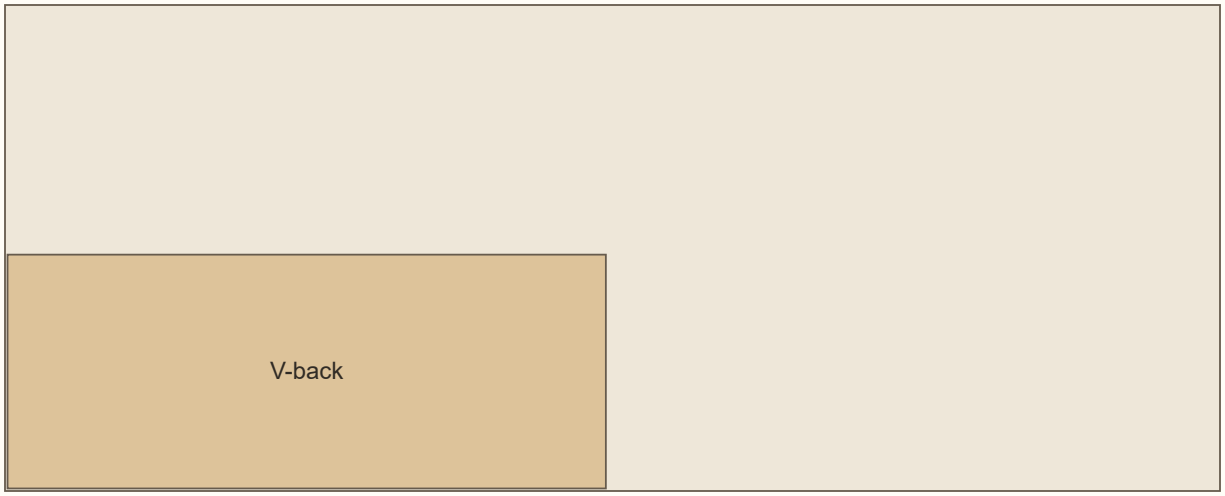
Part ID	Stock X / Y	Rough length × width
V-roof-top	1/4 in (6.35 mm) / 1/4 in (6.35 mm)	60.561 in (1538.25 mm) × 24.561 in (623.85 mm)

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-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).

N09 · 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.

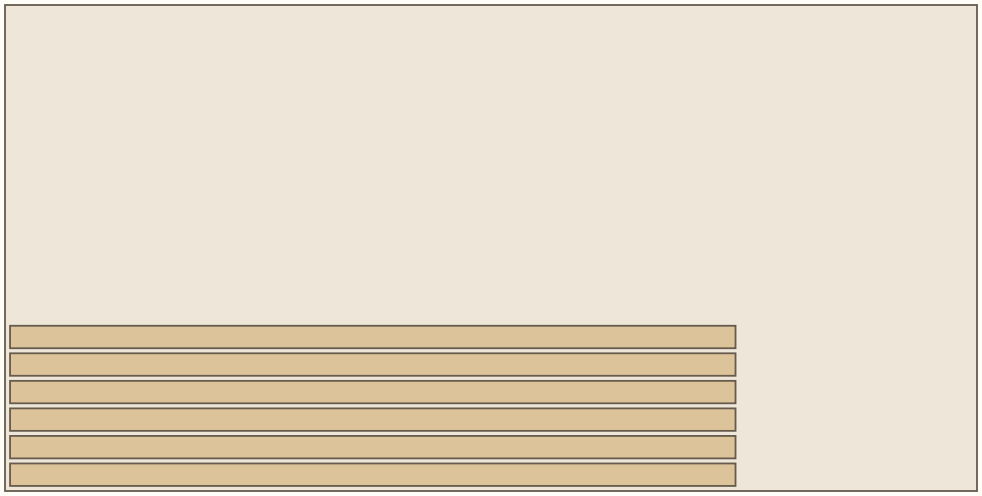
Part ID	Stock X / Y	Rough length × width
V-back	1/4 in (6.35 mm) / 1/4 in (6.35 mm)	59 3/32 in (1500.98 mm) × 23 3/32 in (586.58 mm)

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.

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).

N09 · 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.

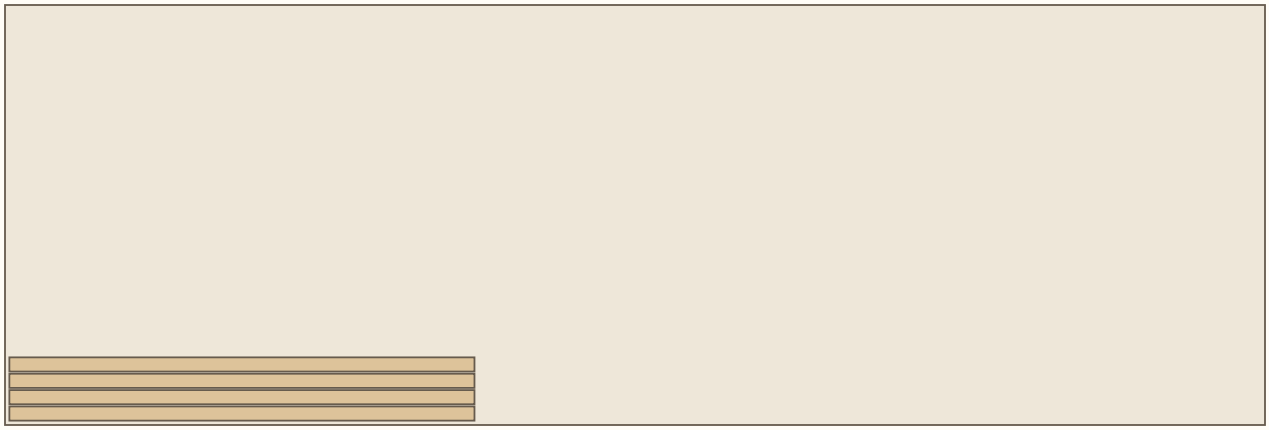
Part ID	Stock X / Y	Rough length × width
ALF1	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	17.91258333 in (454.98 mm) × 0.555 in (14.1 mm)
ALF2	1/8 in (3.18 mm) / 0.805 in (20.45 mm)	17.91258333 in (454.98 mm) × 0.555 in (14.1 mm)
ALF3	1/8 in (3.18 mm) / 1.485 in (37.72 mm)	17.91258333 in (454.98 mm) × 0.555 in (14.1 mm)
ALB1	1/8 in (3.18 mm) / 2.165 in (54.99 mm)	17.91258333 in (454.98 mm) × 0.555 in (14.1 mm)
ALB2	1/8 in (3.18 mm) / 2.845 in (72.26 mm)	17.91258333 in (454.98 mm) × 0.555 in (14.1 mm)
ALB3	1/8 in (3.18 mm) / 3.525 in (89.53 mm)	17.91258333 in (454.98 mm) × 0.555 in (14.1 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).

N09 · 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.

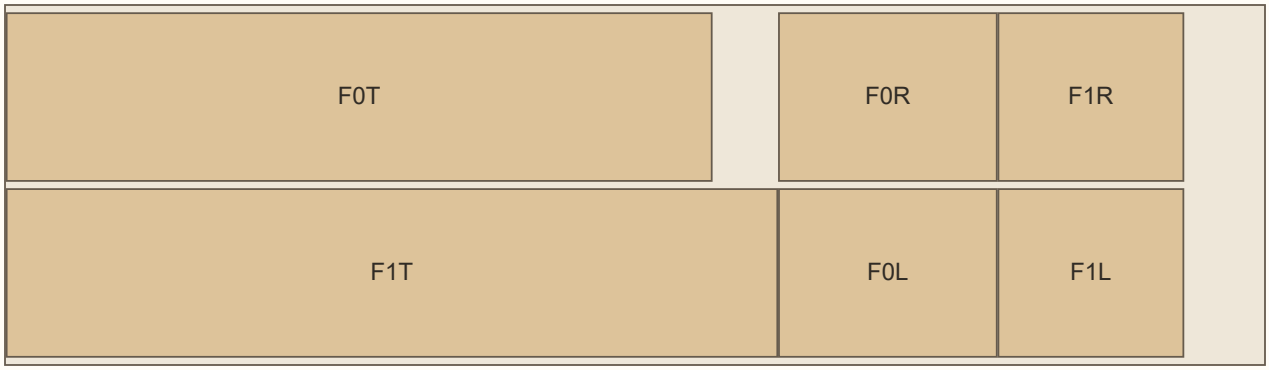
Part ID	Stock X / Y	Rough length × width
STOPLF	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	13.28875 in (337.53 mm) × 0.405 in (10.29 mm)
STOPLB	1/8 in (3.18 mm) / 0.5925 in (15.05 mm)	13.28875 in (337.53 mm) × 0.405 in (10.29 mm)
STOPRF	1/8 in (3.18 mm) / 1.06 in (26.92 mm)	13.28875 in (337.53 mm) × 0.405 in (10.29 mm)
STOPRB	1/8 in (3.18 mm) / 1.5275 in (38.8 mm)	13.28875 in (337.53 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-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).

N09 · 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.

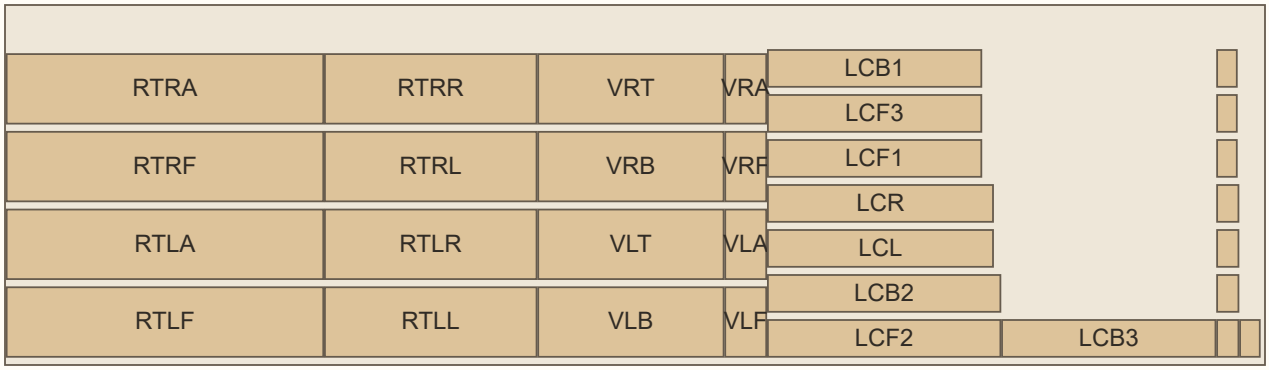
Part ID	Stock X / Y	Rough length × width
F1T	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	58 23/32 in (1491.46 mm) × 2 9/16 in (65.09 mm)
F0T	1/8 in (3.18 mm) / 2 13/16 in (71.44 mm)	53 23/32 in (1364.46 mm) × 2 9/16 in (65.09 mm)
F0L	58 31/32 in (1497.81 mm) / 1/8 in (3.18 mm)	16 19/32 in (421.48 mm) × 2 9/16 in (65.09 mm)
F0R	58 31/32 in (1497.81 mm) / 2 13/16 in (71.44 mm)	16 19/32 in (421.48 mm) × 2 9/16 in (65.09 mm)
F1L	75 11/16 in (1922.46 mm) / 1/8 in (3.18 mm)	14 3/32 in (357.98 mm) × 2 9/16 in (65.09 mm)
F1R	75 11/16 in (1922.46 mm) / 2 13/16 in (71.44 mm)	14 3/32 in (357.98 mm) × 2 9/16 in (65.09 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



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).

N09 · 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
RTLF	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	24 1/8 in (612.78 mm) × 1 1/16 in (26.99 mm)
RTLA	1/8 in (3.18 mm) / 1 5/16 in (33.34 mm)	24 1/8 in (612.78 mm) × 1 1/16 in (26.99 mm)
RTRF	1/8 in (3.18 mm) / 2 1/2 in (63.5 mm)	24 1/8 in (612.78 mm) × 1 1/16 in (26.99 mm)
RTRA	1/8 in (3.18 mm) / 3 11/16 in (93.66 mm)	24 1/8 in (612.78 mm) × 1 1/16 in (26.99 mm)
RTLL	24 3/8 in (619.13 mm) / 1/8 in (3.18 mm)	16 1/8 in (409.58 mm) × 1 1/16 in (26.99 mm)
RTLR	24 3/8 in (619.13 mm) / 1 5/16 in (33.34 mm)	16 1/8 in (409.58 mm) × 1 1/16 in (26.99 mm)
RTRL	24 3/8 in (619.13 mm) / 2 1/2 in (63.5 mm)	16 1/8 in (409.58 mm) × 1 1/16 in (26.99 mm)
RTRR	24 3/8 in (619.13 mm) / 3 11/16 in (93.66 mm)	16 1/8 in (409.58 mm) × 1 1/16 in (26.99 mm)
VLB	40 5/8 in (1031.88 mm) / 1/8 in (3.18 mm)	14 1/8 in (358.78 mm) × 1 1/16 in (26.99 mm)
VLT	40 5/8 in (1031.88 mm) / 1 5/16 in (33.34 mm)	14 1/8 in (358.78 mm) × 1 1/16 in (26.99 mm)
VRB	40 5/8 in (1031.88 mm) / 2 1/2 in (63.5 mm)	14 1/8 in (358.78 mm) × 1 1/16 in (26.99 mm)
VRT	40 5/8 in (1031.88 mm) / 3 11/16 in (93.66 mm)	14 1/8 in (358.78 mm) × 1 1/16 in (26.99 mm)
VLF	54 7/8 in (1393.83 mm) / 1/8 in (3.18 mm)	3 1/8 in (79.38 mm) × 1 1/16 in (26.99 mm)
VLA	54 7/8 in (1393.83 mm) / 1 5/16 in (33.34 mm)	3 1/8 in (79.38 mm) × 1 1/16 in (26.99 mm)
VRF	54 7/8 in (1393.83 mm) / 2 1/2 in (63.5 mm)	3 1/8 in (79.38 mm) × 1 1/16 in (26.99 mm)
VRA	54 7/8 in (1393.83 mm) / 3 11/16 in (93.66 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	58 1/8 in (1476.38 mm) / 1/8 in (3.18 mm)	17.715 in (449.96 mm) × 9/16 in (14.29 mm)
LCB2	58 1/8 in (1476.38 mm) / 13/16 in (20.64 mm)	17.715 in (449.96 mm) × 9/16 in (14.29 mm)
LCL	58 1/8 in (1476.38 mm) / 1 1/2 in (38.1 mm)	17.1525 in (435.67 mm) × 9/16 in (14.29 mm)
LCR	58 1/8 in (1476.38 mm) / 2 3/16 in (55.56 mm)	17.1525 in (435.67 mm) × 9/16 in (14.29 mm)
LCF1	58 1/8 in (1476.38 mm) / 2 7/8 in (73.03 mm)	16.261875 in (413.05 mm) × 9/16 in (14.29 mm)
LCF3	58 1/8 in (1476.38 mm) / 3 9/16 in (90.49 mm)	16.261875 in (413.05 mm) × 9/16 in (14.29 mm)
LCB1	58 1/8 in (1476.38 mm) / 4 1/4 in (107.95 mm)	16.261875 in (413.05 mm) × 9/16 in (14.29 mm)
LCB3	75.965 in (1929.51 mm) / 1/8 in (3.18 mm)	16.261875 in (413.05 mm) × 9/16 in (14.29 mm)
LCQ1	92.351875 in (2345.74 mm) / 1/8 in (3.18 mm)	1 5/8 in (41.28 mm) × 9/16 in (14.29 mm)
LCQ2	92.351875 in (2345.74 mm) / 13/16 in (20.64 mm)	1 5/8 in (41.28 mm) × 9/16 in (14.29 mm)
LCP1	92.351875 in (2345.74 mm) / 1 1/2 in (38.1 mm)	1 5/8 in (41.28 mm) × 9/16 in (14.29 mm)
LCP2	92.351875 in (2345.74 mm) / 2 3/16 in (55.56 mm)	1 5/8 in (41.28 mm) × 9/16 in (14.29 mm)
LCQL	92.351875 in (2345.74 mm) / 2 7/8 in (73.03 mm)	1 1/2 in (38.1 mm) × 9/16 in (14.29 mm)
LCQR	92.351875 in (2345.74 mm) / 3 9/16 in (90.49 mm)	1 1/2 in (38.1 mm) × 9/16 in (14.29 mm)
LCPL	92.351875 in (2345.74 mm) / 4 1/4 in (107.95 mm)	1 1/2 in (38.1 mm) × 9/16 in (14.29 mm)
LCPR	94.101875 in (2390.19 mm) / 1/8 in (3.18 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.

D602-1 · profile length cuts

D602-1 · profile length allocation

144 in (3657.6 mm) long · D602 factory profile



Start at LEFT · length → · cross-section shown schematically

Cut length only; preserve the supplier cross-section. See the matching length table.
Specified perimeter trim 0 in (0 mm); blade kerf / separation 1/8 in (3.18 mm).

N09 · V5 candidate 02 · Reference geometry; verify actual received parts

Length allocation only; preserve the supplied cross-section

Cut and deburr lengths from the accepted supplied profile. Clamp and support each piece; do not rip the profile to width.

D602-1 · exact length positions

Start at the illustrated LEFT end. These are stock positions along the profile, not assembly coordinates. The diagram uses a schematic lane height; it is not a width-cut instruction.

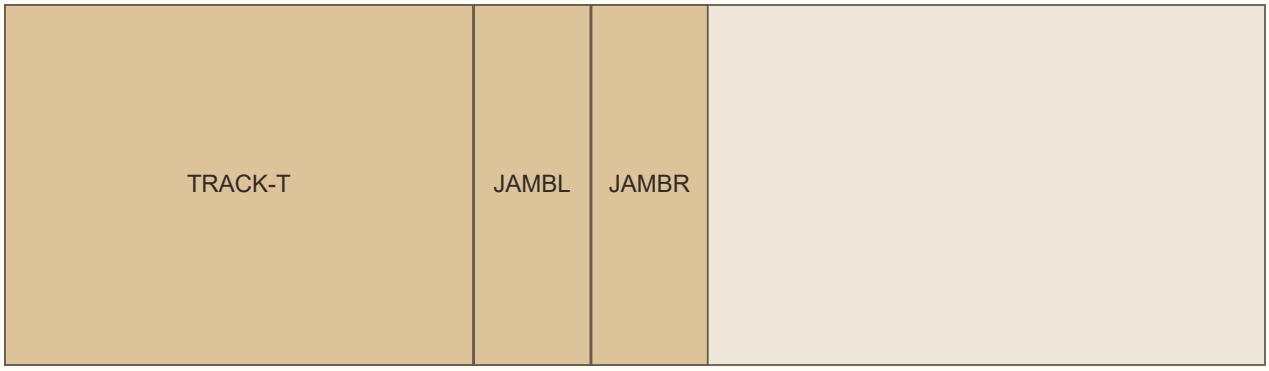
Part ID	Start along profile	Rough cut length
TRACK-B	0 in (0 mm)	53.48775 in (1358.59 mm)

Stock 144 in (3657.6 mm) long; supplied D602 cross-section. End trim 0 in (0 mm); saw kerf 1/8 in (3.18 mm). Preserve the supplier profile and follow the accepted hardware trial.

D603-1 · profile length cuts

D603-1 · profile length allocation

144 in (3657.6 mm) long · D603 factory profile



Start at LEFT · length → · cross-section shown schematically

Cut length only; preserve the supplier cross-section. See the matching length table.
Specified perimeter trim 0 in (0 mm); blade kerf / separation 1/8 in (3.18 mm).

N09 · V5 candidate 02 · Reference geometry; verify actual received parts

Length allocation only; preserve the supplied cross-section

Cut and deburr lengths from the accepted supplied profile. Clamp and support each piece; do not rip the profile to width.

D603-1 · exact length positions

Start at the illustrated LEFT end. These are stock positions along the profile, not assembly coordinates. The diagram uses a schematic lane height; it is not a width-cut instruction.

Part ID	Start along profile	Rough cut length
TRACK-T	0 in (0 mm)	53.48775 in (1358.59 mm)
JAMBL	53.61275 in (1361.76 mm)	13.28875 in (337.53 mm)
JAMBR	67.0265 in (1702.47 mm)	13.28875 in (337.53 mm)

Stock 144 in (3657.6 mm) long; supplied D603 cross-section. End trim 0 in (0 mm); saw kerf 1/8 in (3.18 mm). Preserve the supplier profile and follow the accepted hardware trial.

D610-1 · profile length cuts

D610-1 · profile length allocation

144 in (3657.6 mm) long · D610 factory profile



Start at LEFT · length → · cross-section shown schematically

Cut length only; preserve the supplier cross-section. See the matching length table.
Specified perimeter trim 0 in (0 mm); blade kerf / separation 1/8 in (3.18 mm).

N09 · V5 candidate 02 · Reference geometry; verify actual received parts

Length allocation only; preserve the supplied cross-section

Cut and deburr lengths from the accepted supplied profile. Clamp and support each piece; do not rip the profile to width.

D610-1 · exact length positions

Start at the illustrated LEFT end. These are stock positions along the profile, not assembly coordinates. The diagram uses a schematic lane height; it is not a width-cut instruction.

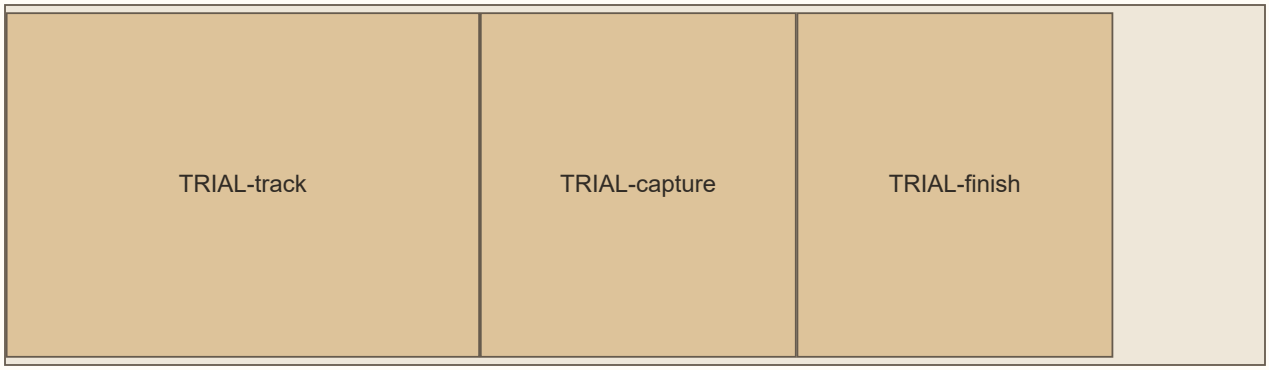
Part ID	Start along profile	Rough cut length
HL	0 in (0 mm)	27.553375 in (699.86 mm)
HR	27.678375 in (703.03 mm)	27.553375 in (699.86 mm)

Stock 144 in (3657.6 mm) long; supplied D610 cross-section. End trim 0 in (0 mm); saw kerf 1/8 in (3.18 mm). Preserve the supplier profile and follow the accepted hardware trial.

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).

N09 · 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 hardware, routing and finish trials; machine minimum feed length controls

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.

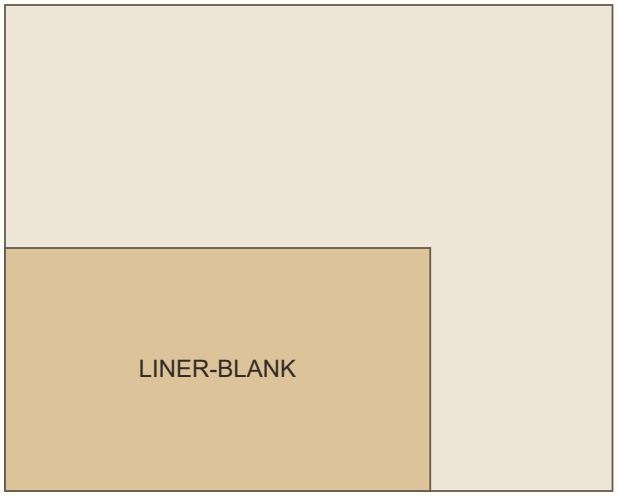
Part ID	Stock X / Y	Rough length × width
TRIAL-track	1/8 in (3.18 mm) / 1/8 in (3.18 mm)	36 in (914.4 mm) × 5 1/4 in (133.35 mm)
TRIAL-capture	36 1/4 in (920.75 mm) / 1/8 in (3.18 mm)	24 in (609.6 mm) × 5 1/4 in (133.35 mm)
TRIAL-finish	60 3/8 in (1533.53 mm) / 1/8 in (3.18 mm)	24 in (609.6 mm) × 5 1/4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

N09 · V5 candidate 02 · Reference geometry; verify actual received parts

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

Dry-fold full blank around eight supports before trim; reserve underlay offcuts for pads over the recessed interior washers and nuts

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)	84 in (2133.6 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).

N09 · V5 candidate 02 · Reference geometry; verify actual received parts

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

Dry-fold full blank around eight supports before trim; reserve underlay offcuts for 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)	84 in (2133.6 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	119
W200	32
W100	128
TRACK	38

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

Fastener stations · 1–14

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	58.54688 / 3.10938 / 0 in 1487.09 / 78.98 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CRB-1	P01 → CRB	58.54688 / 7.90625 / 0 in 1487.09 / 200.82 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CRB-2	P01 → CRB	58.54688 / 12.70312 / 0 in 1487.09 / 322.66 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CRB-3	P01 → CRB	58.54688 / 17.5 / 0 in 1487.09 / 444.50 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CRB-4	P01 → CRB	58.54688 / 22.29688 / 0 in 1487.09 / 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	9.15799 / 2.85938 / 0 in 232.61 / 72.63 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CF-2	P01 → CF	15.11285 / 2.85938 / 0 in 383.87 / 72.63 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CF-3	P01 → CF	21.06771 / 2.85938 / 0 in 535.12 / 72.63 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)

Fastener stations · 15–28

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-4	P01 → CF	27.02257 / 2.85938 / 0 in 686.37 / 72.63 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CF-5	P01 → CF	32.97743 / 2.85938 / 0 in 837.63 / 72.63 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CF-6	P01 → CF	38.93229 / 2.85938 / 0 in 988.88 / 72.63 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CF-7	P01 → CF	44.88715 / 2.85938 / 0 in 1140.13 / 72.63 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CF-8	P01 → CF	50.84201 / 2.85938 / 0 in 1291.39 / 72.63 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CF-9	P01 → CF	56.79688 / 2.85938 / 0 in 1442.64 / 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	9.15799 / 22.54688 / 0 in 232.61 / 572.69 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CB-2	P01 → CB	15.11285 / 22.54688 / 0 in 383.87 / 572.69 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CB-3	P01 → CB	21.06771 / 22.54688 / 0 in 535.12 / 572.69 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CB-4	P01 → CB	27.02257 / 22.54688 / 0 in 686.37 / 572.69 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CB-5	P01 → CB	32.97743 / 22.54688 / 0 in 837.63 / 572.69 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CB-6	P01 → CB	38.93229 / 22.54688 / 0 in 988.88 / 572.69 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CB-7	P01 → CB	44.88715 / 22.54688 / 0 in 1140.13 / 572.69 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)

Fastener stations · 29–42

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-8	P01 → CB	50.84201 / 22.54688 / 0 in 1291.39 / 572.69 / 0.00 mm	+Z · 1 1/4 in (31.75 mm)
S-CB-9	P01 → CB	56.79688 / 22.54688 / 0 in 1442.64 / 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)
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)

Fastener stations · 43–56

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-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	60 / 3.10938 / 1.45312 in 1524.00 / 78.98 / 36.91 mm	−X · 1 1/4 in (31.75 mm)
S-WR-CRB-1	P03R → CRB	60 / 7.90625 / 1.45312 in 1524.00 / 200.82 / 36.91 mm	−X · 1 1/4 in (31.75 mm)
S-WR-CRB-2	P03R → CRB	60 / 12.70312 / 1.45312 in 1524.00 / 322.66 / 36.91 mm	−X · 1 1/4 in (31.75 mm)
S-WR-CRB-3	P03R → CRB	60 / 17.5 / 1.45312 in 1524.00 / 444.50 / 36.91 mm	−X · 1 1/4 in (31.75 mm)
S-WR-CRB-4	P03R → CRB	60 / 22.29688 / 1.45312 in 1524.00 / 566.34 / 36.91 mm	−X · 1 1/4 in (31.75 mm)
S-WR-CRT-0	P03R → CRT	60 / 2.5 / 22.54688 in 1524.00 / 63.50 / 572.69 mm	−X · 1 1/4 in (31.75 mm)
S-WR-CRT-1	P03R → CRT	60 / 7.44922 / 22.54688 in 1524.00 / 189.21 / 572.69 mm	−X · 1 1/4 in (31.75 mm)
S-WR-CRT-2	P03R → CRT	60 / 12.39844 / 22.54688 in 1524.00 / 314.92 / 572.69 mm	−X · 1 1/4 in (31.75 mm)
S-WR-CRT-3	P03R → CRT	60 / 17.34766 / 22.54688 in 1524.00 / 440.63 / 572.69 mm	−X · 1 1/4 in (31.75 mm)
S-WR-CRT-4	P03R → CRT	60 / 22.29688 / 22.54688 in 1524.00 / 566.34 / 572.69 mm	−X · 1 1/4 in (31.75 mm)
S-WR-CRU-0	P03R → CRU	60 / 22.54688 / 3.20312 in 1524.00 / 572.69 / 81.36 mm	−X · 1 1/4 in (31.75 mm)
S-WR-CRU-1	P03R → CRU	60 / 22.54688 / 9.06771 in 1524.00 / 572.69 / 230.32 mm	−X · 1 1/4 in (31.75 mm)

Fastener stations · 57–70

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-CRU-2	P03R → CRU	60 / 22.54688 / 14.93229 in 1524.00 / 572.69 / 379.28 mm	−X · 1 1/4 in (31.75 mm)
S-WR-CRU-3	P03R → CRU	60 / 22.54688 / 20.79688 in 1524.00 / 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	9.15799 / 24 / 1.45312 in 232.61 / 609.60 / 36.91 mm	−Y · 1 1/4 in (31.75 mm)
S-B-CB-2	P04 → CB	15.11285 / 24 / 1.45312 in 383.87 / 609.60 / 36.91 mm	−Y · 1 1/4 in (31.75 mm)
S-B-CB-3	P04 → CB	21.06771 / 24 / 1.45312 in 535.12 / 609.60 / 36.91 mm	−Y · 1 1/4 in (31.75 mm)
S-B-CB-4	P04 → CB	27.02257 / 24 / 1.45312 in 686.37 / 609.60 / 36.91 mm	−Y · 1 1/4 in (31.75 mm)
S-B-CB-5	P04 → CB	32.97743 / 24 / 1.45312 in 837.63 / 609.60 / 36.91 mm	−Y · 1 1/4 in (31.75 mm)
S-B-CB-6	P04 → CB	38.93229 / 24 / 1.45312 in 988.88 / 609.60 / 36.91 mm	−Y · 1 1/4 in (31.75 mm)
S-B-CB-7	P04 → CB	44.88715 / 24 / 1.45312 in 1140.13 / 609.60 / 36.91 mm	−Y · 1 1/4 in (31.75 mm)
S-B-CB-8	P04 → CB	50.84201 / 24 / 1.45312 in 1291.39 / 609.60 / 36.91 mm	−Y · 1 1/4 in (31.75 mm)
S-B-CB-9	P04 → CB	56.79688 / 24 / 1.45312 in 1442.64 / 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	9.15799 / 24 / 22.54688 in 232.61 / 609.60 / 572.69 mm	−Y · 1 1/4 in (31.75 mm)

Fastener stations · 71–84

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-2	P04 → CT	15.11285 / 24 / 22.54688 in 383.87 / 609.60 / 572.69 mm	−Y · 1 1/4 in (31.75 mm)
S-B-CT-3	P04 → CT	21.06771 / 24 / 22.54688 in 535.12 / 609.60 / 572.69 mm	−Y · 1 1/4 in (31.75 mm)
S-B-CT-4	P04 → CT	27.02257 / 24 / 22.54688 in 686.37 / 609.60 / 572.69 mm	−Y · 1 1/4 in (31.75 mm)
S-B-CT-5	P04 → CT	32.97743 / 24 / 22.54688 in 837.63 / 609.60 / 572.69 mm	−Y · 1 1/4 in (31.75 mm)
S-B-CT-6	P04 → CT	38.93229 / 24 / 22.54688 in 988.88 / 609.60 / 572.69 mm	−Y · 1 1/4 in (31.75 mm)
S-B-CT-7	P04 → CT	44.88715 / 24 / 22.54688 in 1140.13 / 609.60 / 572.69 mm	−Y · 1 1/4 in (31.75 mm)
S-B-CT-8	P04 → CT	50.84201 / 24 / 22.54688 in 1291.39 / 609.60 / 572.69 mm	−Y · 1 1/4 in (31.75 mm)
S-B-CT-9	P04 → CT	56.79688 / 24 / 22.54688 in 1442.64 / 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	58.54688 / 24 / 3.50312 in 1487.09 / 609.60 / 88.98 mm	−Y · 1 1/4 in (31.75 mm)
S-B-CRU-1	P04 → CRU	58.54688 / 24 / 9.36771 in 1487.09 / 609.60 / 237.94 mm	−Y · 1 1/4 in (31.75 mm)

Fastener stations · 85–98

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-CRU-2	P04 → CRU	58.54688 / 24 / 15.23229 in 1487.09 / 609.60 / 386.90 mm	−Y · 1 1/4 in (31.75 mm)
S-B-CRU-3	P04 → CRU	58.54688 / 24 / 21.09688 in 1487.09 / 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)
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	60 / 1.05469 / 1.70312 in 1524.00 / 26.79 / 43.26 mm	−X · 2 in (50.8 mm)
S-RBR-1	P03R → RB2	60 / 1.05469 / 5.82812 in 1524.00 / 26.79 / 148.03 mm	−X · 2 in (50.8 mm)
S-JR-0	P03R → F0R	60 / 0.375 / 7.82812 in 1524.00 / 9.52 / 198.83 mm	−X · 2 in (50.8 mm)
S-JR-1	P03R → F1R	60 / 1.125 / 12.65104 in 1524.00 / 28.57 / 321.34 mm	−X · 2 in (50.8 mm)
S-JR-2	P03R → F0R	60 / 0.375 / 17.47396 in 1524.00 / 9.52 / 443.84 mm	−X · 2 in (50.8 mm)
S-JR-3	P03R → F1T	60 / 1.125 / 22.29688 in 1524.00 / 28.57 / 566.34 mm	−X · 2 in (50.8 mm)

Fastener stations · 99–112

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-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	9.15799 / 0 / 1.45312 in 232.61 / 0.00 / 36.91 mm	+Y · 2 in (50.8 mm)
S-RBF-2	RB1 → RB3	15.11285 / 0 / 1.45312 in 383.87 / 0.00 / 36.91 mm	+Y · 2 in (50.8 mm)
S-RBF-3	RB1 → RB3	21.06771 / 0 / 1.45312 in 535.12 / 0.00 / 36.91 mm	+Y · 2 in (50.8 mm)
S-RBF-4	RB1 → RB3	27.02257 / 0 / 1.45312 in 686.37 / 0.00 / 36.91 mm	+Y · 2 in (50.8 mm)
S-RBF-5	RB1 → RB3	32.97743 / 0 / 1.45312 in 837.63 / 0.00 / 36.91 mm	+Y · 2 in (50.8 mm)
S-RBF-6	RB1 → RB3	38.93229 / 0 / 1.45312 in 988.88 / 0.00 / 36.91 mm	+Y · 2 in (50.8 mm)
S-RBF-7	RB1 → RB3	44.88715 / 0 / 1.45312 in 1140.13 / 0.00 / 36.91 mm	+Y · 2 in (50.8 mm)
S-RBF-8	RB1 → RB3	50.84201 / 0 / 1.45312 in 1291.39 / 0.00 / 36.91 mm	+Y · 2 in (50.8 mm)
S-RBF-9	RB1 → RB3	56.79688 / 0 / 1.45312 in 1442.64 / 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	9.53299 / 3.60938 / 1.45312 in 242.14 / 91.68 / 36.91 mm	−Y · 2 in (50.8 mm)
S-RBC-2	CF → RB3	15.48785 / 3.60938 / 1.45312 in 393.39 / 91.68 / 36.91 mm	−Y · 2 in (50.8 mm)
S-RBC-3	CF → RB3	21.44271 / 3.60938 / 1.45312 in 544.64 / 91.68 / 36.91 mm	−Y · 2 in (50.8 mm)

Fastener stations · 113–126

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-4	CF → RB3	27.39757 / 3.60938 / 1.45312 in 695.90 / 91.68 / 36.91 mm	−Y · 2 in (50.8 mm)
S-RBC-5	CF → RB3	33.35243 / 3.60938 / 1.45312 in 847.15 / 91.68 / 36.91 mm	−Y · 2 in (50.8 mm)
S-RBC-6	CF → RB3	39.30729 / 3.60938 / 1.45312 in 998.41 / 91.68 / 36.91 mm	−Y · 2 in (50.8 mm)
S-RBC-7	CF → RB3	45.26215 / 3.60938 / 1.45312 in 1149.66 / 91.68 / 36.91 mm	−Y · 2 in (50.8 mm)
S-RBC-8	CF → RB3	51.21701 / 3.60938 / 1.45312 in 1300.91 / 91.68 / 36.91 mm	−Y · 2 in (50.8 mm)
S-RBC-9	CF → RB3	57.17188 / 3.60938 / 1.45312 in 1452.17 / 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)
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)

Fastener stations · 127–140

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-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	60.375 / 5.625 / 7.07812 in 1533.52 / 142.88 / 179.78 mm	−X · 1 in (25.4 mm)
S-VRB-1	VRB → P03R	60.375 / 8.8125 / 7.07812 in 1533.52 / 223.84 / 179.78 mm	−X · 1 in (25.4 mm)
S-VRB-2	VRB → P03R	60.375 / 12 / 7.07812 in 1533.52 / 304.80 / 179.78 mm	−X · 1 in (25.4 mm)
S-VRB-3	VRB → P03R	60.375 / 15.1875 / 7.07812 in 1533.52 / 385.76 / 179.78 mm	−X · 1 in (25.4 mm)
S-VRB-4	VRB → P03R	60.375 / 18.375 / 7.07812 in 1533.52 / 466.72 / 179.78 mm	−X · 1 in (25.4 mm)
S-VRT-0	VRT → P03R	60.375 / 5.625 / 11.57812 in 1533.52 / 142.88 / 294.08 mm	−X · 1 in (25.4 mm)
S-VRT-1	VRT → P03R	60.375 / 8.8125 / 11.57812 in 1533.52 / 223.84 / 294.08 mm	−X · 1 in (25.4 mm)
S-VRT-2	VRT → P03R	60.375 / 12 / 11.57812 in 1533.52 / 304.80 / 294.08 mm	−X · 1 in (25.4 mm)

Fastener stations · 141–154

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	60.375 / 15.1875 / 11.57812 in 1533.52 / 385.76 / 294.08 mm	−X · 1 in (25.4 mm)
S-VRT-4	VRT → P03R	60.375 / 18.375 / 11.57812 in 1533.52 / 466.72 / 294.08 mm	−X · 1 in (25.4 mm)
S-VRF-0	VRF → P03R	60.375 / 5.25 / 8.20312 in 1533.52 / 133.35 / 208.36 mm	−X · 1 in (25.4 mm)
S-VRF-1	VRF → P03R	60.375 / 5.25 / 10.45312 in 1533.52 / 133.35 / 265.51 mm	−X · 1 in (25.4 mm)
S-VRA-0	VRA → P03R	60.375 / 18.75 / 8.20312 in 1533.52 / 476.25 / 208.36 mm	−X · 1 in (25.4 mm)
S-VRA-1	VRA → P03R	60.375 / 18.75 / 10.45312 in 1533.52 / 476.25 / 265.51 mm	−X · 1 in (25.4 mm)
S-CR-0	P02 → CR	30 / 1.875 / 24 in 762.00 / 47.62 / 609.60 mm	−Z · 1 1/4 in (31.75 mm)
S-CR-1	P02 → CR	30 / 6.76172 / 24 in 762.00 / 171.75 / 609.60 mm	−Z · 1 1/4 in (31.75 mm)
S-CR-2	P02 → CR	30 / 11.64844 / 24 in 762.00 / 295.87 / 609.60 mm	−Z · 1 1/4 in (31.75 mm)
S-CR-3	P02 → CR	30 / 16.53516 / 24 in 762.00 / 419.99 / 609.60 mm	−Z · 1 1/4 in (31.75 mm)
S-CR-4	P02 → CR	30 / 21.42188 / 24 in 762.00 / 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	10.175 / 3.25 / 22.92188 in 258.44 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLF-2	RTLF → P02	14.725 / 3.25 / 22.92188 in 374.01 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)

Fastener stations · 155–168

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-RTLF-3	RTLF → P02	19.275 / 3.25 / 22.92188 in 489.58 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLF-4	RTLF → P02	23.825 / 3.25 / 22.92188 in 605.15 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLF-5	RTLF → P02	28.375 / 3.25 / 22.92188 in 720.72 / 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	10.175 / 20.75 / 22.92188 in 258.44 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLA-2	RTLA → P02	14.725 / 20.75 / 22.92188 in 374.01 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLA-3	RTLA → P02	19.275 / 20.75 / 22.92188 in 489.58 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLA-4	RTLA → P02	23.825 / 20.75 / 22.92188 in 605.15 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLA-5	RTLA → P02	28.375 / 20.75 / 22.92188 in 720.72 / 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)
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)

Fastener stations · 169–182

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-RTLR-0	RTLR → P02	28.75 / 4.375 / 22.92188 in 730.25 / 111.12 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLR-1	RTLR → P02	28.75 / 8.1875 / 22.92188 in 730.25 / 207.96 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLR-2	RTLR → P02	28.75 / 12 / 22.92188 in 730.25 / 304.80 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLR-3	RTLR → P02	28.75 / 15.8125 / 22.92188 in 730.25 / 401.64 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTLR-4	RTLR → P02	28.75 / 19.625 / 22.92188 in 730.25 / 498.47 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRF-0	RTRF → P02	31.625 / 3.25 / 22.92188 in 803.27 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRF-1	RTRF → P02	36.175 / 3.25 / 22.92188 in 918.84 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRF-2	RTRF → P02	40.725 / 3.25 / 22.92188 in 1034.41 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRF-3	RTRF → P02	45.275 / 3.25 / 22.92188 in 1149.98 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRF-4	RTRF → P02	49.825 / 3.25 / 22.92188 in 1265.56 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRF-5	RTRF → P02	54.375 / 3.25 / 22.92188 in 1381.12 / 82.55 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRA-0	RTRA → P02	31.625 / 20.75 / 22.92188 in 803.27 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRA-1	RTRA → P02	36.175 / 20.75 / 22.92188 in 918.84 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRA-2	RTRA → P02	40.725 / 20.75 / 22.92188 in 1034.41 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)

Fastener stations · 183–196

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-RTRA-3	RTRA → P02	45.275 / 20.75 / 22.92188 in 1149.98 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRA-4	RTRA → P02	49.825 / 20.75 / 22.92188 in 1265.56 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRA-5	RTRA → P02	54.375 / 20.75 / 22.92188 in 1381.12 / 527.05 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRL-0	RTRL → P02	31.25 / 4.375 / 22.92188 in 793.75 / 111.12 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRL-1	RTRL → P02	31.25 / 8.1875 / 22.92188 in 793.75 / 207.96 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRL-2	RTRL → P02	31.25 / 12 / 22.92188 in 793.75 / 304.80 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRL-3	RTRL → P02	31.25 / 15.8125 / 22.92188 in 793.75 / 401.64 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRL-4	RTRL → P02	31.25 / 19.625 / 22.92188 in 793.75 / 498.47 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRR-0	RTRR → P02	54.75 / 4.375 / 22.92188 in 1390.65 / 111.12 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRR-1	RTRR → P02	54.75 / 8.1875 / 22.92188 in 1390.65 / 207.96 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRR-2	RTRR → P02	54.75 / 12 / 22.92188 in 1390.65 / 304.80 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRR-3	RTRR → P02	54.75 / 15.8125 / 22.92188 in 1390.65 / 401.64 / 582.22 mm	+Z · 1 in (25.4 mm)
S-RTRR-4	RTRR → P02	54.75 / 19.625 / 22.92188 in 1390.65 / 498.47 / 582.22 mm	+Z · 1 in (25.4 mm)
S-TRACKB-0	TRACK-B → RB1	4.20312 / 0.6 / 6.88312 in 106.76 / 15.24 / 174.83 mm	−Z · 3/4 in (19.05 mm)

Fastener stations · 197–210

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-TRACKB-1	TRACK-B → RB1	9.93576 / 0.6 / 6.88312 in 252.37 / 15.24 / 174.83 mm	−Z · 3/4 in (19.05 mm)
S-TRACKB-2	TRACK-B → RB1	15.6684 / 0.6 / 6.88312 in 397.98 / 15.24 / 174.83 mm	−Z · 3/4 in (19.05 mm)
S-TRACKB-3	TRACK-B → RB1	21.40104 / 0.6 / 6.88312 in 543.59 / 15.24 / 174.83 mm	−Z · 3/4 in (19.05 mm)
S-TRACKB-4	TRACK-B → RB1	27.13368 / 0.6 / 6.88312 in 689.20 / 15.24 / 174.83 mm	−Z · 3/4 in (19.05 mm)
S-TRACKB-5	TRACK-B → RB1	32.86632 / 0.6 / 6.88312 in 834.80 / 15.24 / 174.83 mm	−Z · 3/4 in (19.05 mm)
S-TRACKB-6	TRACK-B → RB1	38.59896 / 0.6 / 6.88312 in 980.41 / 15.24 / 174.83 mm	−Z · 3/4 in (19.05 mm)
S-TRACKB-7	TRACK-B → RB1	44.3316 / 0.6 / 6.88312 in 1126.02 / 15.24 / 174.83 mm	−Z · 3/4 in (19.05 mm)
S-TRACKB-8	TRACK-B → RB1	50.06424 / 0.6 / 6.88312 in 1271.63 / 15.24 / 174.83 mm	−Z · 3/4 in (19.05 mm)
S-TRACKB-9	TRACK-B → RB1	55.79688 / 0.6 / 6.88312 in 1417.24 / 15.24 / 174.83 mm	−Z · 3/4 in (19.05 mm)
S-TRACKT-0	TRACK-T → F0T	4.20312 / 0.38425 / 20.74387 in 106.76 / 9.76 / 526.89 mm	+Z · 3/4 in (19.05 mm)
S-TRACKT-1	TRACK-T → F0T	9.93576 / 0.38425 / 20.74387 in 252.37 / 9.76 / 526.89 mm	+Z · 3/4 in (19.05 mm)
S-TRACKT-2	TRACK-T → F0T	15.6684 / 0.38425 / 20.74387 in 397.98 / 9.76 / 526.89 mm	+Z · 3/4 in (19.05 mm)
S-TRACKT-3	TRACK-T → F0T	21.40104 / 0.38425 / 20.74387 in 543.59 / 9.76 / 526.89 mm	+Z · 3/4 in (19.05 mm)
S-TRACKT-4	TRACK-T → F0T	27.13368 / 0.38425 / 20.74387 in 689.20 / 9.76 / 526.89 mm	+Z · 3/4 in (19.05 mm)

Fastener stations · 211–224

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-TRACKT-5	TRACK-T → F0T	32.86632 / 0.38425 / 20.74387 in 834.80 / 9.76 / 526.89 mm	+Z · 3/4 in (19.05 mm)
S-TRACKT-6	TRACK-T → F0T	38.59896 / 0.38425 / 20.74387 in 980.41 / 9.76 / 526.89 mm	+Z · 3/4 in (19.05 mm)
S-TRACKT-7	TRACK-T → F0T	44.3316 / 0.38425 / 20.74387 in 1126.02 / 9.76 / 526.89 mm	+Z · 3/4 in (19.05 mm)
S-TRACKT-8	TRACK-T → F0T	50.06424 / 0.38425 / 20.74387 in 1271.63 / 9.76 / 526.89 mm	+Z · 3/4 in (19.05 mm)
S-TRACKT-9	TRACK-T → F0T	55.79688 / 0.38425 / 20.74387 in 1417.24 / 9.76 / 526.89 mm	+Z · 3/4 in (19.05 mm)
S-JAMBL-0	JAMBL → F0L	3.25612 / 0.398 / 8.32812 in 82.71 / 10.11 / 211.53 mm	−X · 3/4 in (19.05 mm)
S-JAMBL-1	JAMBL → F0L	3.25612 / 0.398 / 13.8125 in 82.71 / 10.11 / 350.84 mm	−X · 3/4 in (19.05 mm)
S-JAMBL-2	JAMBL → F0L	3.25612 / 0.398 / 19.79688 in 82.71 / 10.11 / 502.84 mm	−X · 3/4 in (19.05 mm)
S-JAMBR-0	JAMBR → F1R	56.74388 / 0.937 / 8.32812 in 1441.29 / 23.80 / 211.53 mm	+X · 3/4 in (19.05 mm)
S-JAMBR-1	JAMBR → F1R	56.74388 / 0.937 / 13.8125 in 1441.29 / 23.80 / 350.84 mm	+X · 3/4 in (19.05 mm)
S-JAMBR-2	JAMBR → F1R	56.74388 / 0.937 / 19.79688 in 1441.29 / 23.80 / 502.84 mm	+X · 3/4 in (19.05 mm)
S-ALF1-0	ALF1 → F0T	4.31862 / 0.38425 / 20.50637 in 109.69 / 9.76 / 520.86 mm	+Z · 3/4 in (19.05 mm)
S-ALF1-1	ALF1 → F0T	20.10621 / 0.38425 / 20.50637 in 510.70 / 9.76 / 520.86 mm	+Z · 3/4 in (19.05 mm)
S-ALF2-0	ALF2 → F0T	22.10621 / 0.38425 / 20.50637 in 561.50 / 9.76 / 520.86 mm	+Z · 3/4 in (19.05 mm)

Fastener stations · 225–238

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-ALF2-1	ALF2 → F0T	37.89379 / 0.38425 / 20.50637 in 962.50 / 9.76 / 520.86 mm	+Z · 3/4 in (19.05 mm)
S-ALF3-0	ALF3 → F0T	39.89379 / 0.38425 / 20.50637 in 1013.30 / 9.76 / 520.86 mm	+Z · 3/4 in (19.05 mm)
S-ALF3-1	ALF3 → F0T	55.68137 / 0.38425 / 20.50637 in 1414.31 / 9.76 / 520.86 mm	+Z · 3/4 in (19.05 mm)
S-ALB1-0	ALB1 → F1T	4.31862 / 0.94975 / 20.50637 in 109.69 / 24.12 / 520.86 mm	+Z · 3/4 in (19.05 mm)
S-ALB1-1	ALB1 → F1T	20.10621 / 0.94975 / 20.50637 in 510.70 / 24.12 / 520.86 mm	+Z · 3/4 in (19.05 mm)
S-ALB2-0	ALB2 → F1T	22.10621 / 0.94975 / 20.50637 in 561.50 / 24.12 / 520.86 mm	+Z · 3/4 in (19.05 mm)
S-ALB2-1	ALB2 → F1T	37.89379 / 0.94975 / 20.50637 in 962.50 / 24.12 / 520.86 mm	+Z · 3/4 in (19.05 mm)
S-ALB3-0	ALB3 → F1T	39.89379 / 0.94975 / 20.50637 in 1013.30 / 24.12 / 520.86 mm	+Z · 3/4 in (19.05 mm)
S-ALB3-1	ALB3 → F1T	55.68137 / 0.94975 / 20.50637 in 1414.31 / 24.12 / 520.86 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)

Fastener stations · 239–252

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-LCR-0	LCR → P03R	58.79688 / 4.68938 / 6.20312 in 1493.44 / 119.11 / 157.56 mm	+X · 1 in (25.4 mm)
S-LCR-1	LCR → P03R	58.79688 / 8.69625 / 6.20312 in 1493.44 / 220.88 / 157.56 mm	+X · 1 in (25.4 mm)
S-LCR-2	LCR → P03R	58.79688 / 12.70313 / 6.20312 in 1493.44 / 322.66 / 157.56 mm	+X · 1 in (25.4 mm)
S-LCR-3	LCR → P03R	58.79688 / 16.71 / 6.20312 in 1493.44 / 424.43 / 157.56 mm	+X · 1 in (25.4 mm)
S-LCR-4	LCR → P03R	58.79688 / 20.71688 / 6.20312 in 1493.44 / 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)
S-LCF1-1	LCF1 → RB3	6.94234 / 2.60938 / 6.20312 in 176.34 / 66.28 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCF1-2	LCF1 → RB3	10.72656 / 2.60938 / 6.20312 in 272.45 / 66.28 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCF1-3	LCF1 → RB3	14.51078 / 2.60938 / 6.20312 in 368.57 / 66.28 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCF1-4	LCF1 → RB3	18.295 / 2.60938 / 6.20312 in 464.69 / 66.28 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCF2-0	LCF2 → RB3	21.705 / 2.60938 / 6.20312 in 551.31 / 66.28 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCF2-1	LCF2 → RB3	25.8525 / 2.60938 / 6.20312 in 656.65 / 66.28 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCF2-2	LCF2 → RB3	30 / 2.60938 / 6.20312 in 762.00 / 66.28 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCF2-3	LCF2 → RB3	34.1475 / 2.60938 / 6.20312 in 867.35 / 66.28 / 157.56 mm	−Y · 1 in (25.4 mm)

Fastener stations · 253–266

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-LCF2-4	LCF2 → RB3	38.295 / 2.60938 / 6.20312 in 972.69 / 66.28 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCF3-0	LCF3 → RB3	41.705 / 2.60938 / 6.20312 in 1059.31 / 66.28 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCF3-1	LCF3 → RB3	45.48922 / 2.60938 / 6.20312 in 1155.43 / 66.28 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCF3-2	LCF3 → RB3	49.27344 / 2.60938 / 6.20312 in 1251.55 / 66.28 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCF3-3	LCF3 → RB3	53.05766 / 2.60938 / 6.20312 in 1347.66 / 66.28 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCF3-4	LCF3 → RB3	56.84188 / 2.60938 / 6.20312 in 1443.78 / 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	6.94234 / 22.79688 / 6.20312 in 176.34 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB1-2	LCB1 → P04	10.72656 / 22.79688 / 6.20312 in 272.45 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB1-3	LCB1 → P04	14.51078 / 22.79688 / 6.20312 in 368.57 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB1-4	LCB1 → P04	18.295 / 22.79688 / 6.20312 in 464.69 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB2-0	LCB2 → P04	21.705 / 22.79688 / 6.20312 in 551.31 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB2-1	LCB2 → P04	25.8525 / 22.79688 / 6.20312 in 656.65 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB2-2	LCB2 → P04	30 / 22.79688 / 6.20312 in 762.00 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)

Fastener stations · 267–280

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-LCB2-3	LCB2 → P04	34.1475 / 22.79688 / 6.20312 in 867.35 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB2-4	LCB2 → P04	38.295 / 22.79688 / 6.20312 in 972.69 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB3-0	LCB3 → P04	41.705 / 22.79688 / 6.20312 in 1059.31 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB3-1	LCB3 → P04	45.48922 / 22.79688 / 6.20312 in 1155.43 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB3-2	LCB3 → P04	49.27344 / 22.79688 / 6.20312 in 1251.55 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB3-3	LCB3 → P04	53.05766 / 22.79688 / 6.20312 in 1347.66 / 579.04 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCB3-4	LCB3 → P04	56.84188 / 22.79688 / 6.20312 in 1443.78 / 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	19.75 / 4.10938 / 6.20312 in 501.65 / 104.38 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCQ1-1	LCQ1 → CF1	20.25 / 4.10938 / 6.20312 in 514.35 / 104.38 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCQ2-0	LCQ2 → CF2	39.75 / 4.10938 / 6.20312 in 1009.65 / 104.38 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCQ2-1	LCQ2 → CF2	40.25 / 4.10938 / 6.20312 in 1022.35 / 104.38 / 157.56 mm	−Y · 1 in (25.4 mm)
S-LCQR-0	LCQR → CFR	58.29688 / 4.10938 / 6.20312 in 1480.74 / 104.38 / 157.56 mm	−Y · 1 in (25.4 mm)

Fastener stations · 281–294

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-LCQR-1	LCQR → CFR	58.67188 / 4.10938 / 6.20312 in 1490.27 / 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	19.75 / 21.29688 / 6.20312 in 501.65 / 540.94 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCP1-1	LCP1 → CM1	20.25 / 21.29688 / 6.20312 in 514.35 / 540.94 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCP2-0	LCP2 → CM2	39.75 / 21.29688 / 6.20312 in 1009.65 / 540.94 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCP2-1	LCP2 → CM2	40.25 / 21.29688 / 6.20312 in 1022.35 / 540.94 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCPR-0	LCPR → CRU	58.29688 / 21.29688 / 6.20312 in 1480.74 / 540.94 / 157.56 mm	+Y · 1 in (25.4 mm)
S-LCPR-1	LCPR → CRU	58.67188 / 21.29688 / 6.20312 in 1490.27 / 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)
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	58.54688 / 3 / 24 in 1487.09 / 76.20 / 609.60 mm	−Z · 1 1/4 in (31.75 mm)
S-ROOFR-1	P02 → CRT	58.54688 / 12 / 24 in 1487.09 / 304.80 / 609.60 mm	−Z · 1 1/4 in (31.75 mm)

Fastener stations · 295–308

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-ROOFR-2	P02 → CRT	58.54688 / 21 / 24 in 1487.09 / 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-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)
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	54 / 22.54688 / 24 in 1371.60 / 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	60 / 2.85938 / 3.32812 in 1524.00 / 72.63 / 84.53 mm	−X · 1 1/4 in (31.75 mm)

Fastener stations · 309–317

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-CFR-1	P03R → CFR	60 / 2.85938 / 5.32812 in 1524.00 / 72.63 / 135.33 mm	−X · 1 1/4 in (31.75 mm)
S-CM1-0	P04 → CM1	20 / 24 / 3.20312 in 508.00 / 609.60 / 81.36 mm	−Y · 1 1/4 in (31.75 mm)
S-CM1-1	P04 → CM1	20 / 24 / 9.06771 in 508.00 / 609.60 / 230.32 mm	−Y · 1 1/4 in (31.75 mm)
S-CM1-2	P04 → CM1	20 / 24 / 14.93229 in 508.00 / 609.60 / 379.28 mm	−Y · 1 1/4 in (31.75 mm)
S-CM1-3	P04 → CM1	20 / 24 / 20.79688 in 508.00 / 609.60 / 528.24 mm	−Y · 1 1/4 in (31.75 mm)
S-CM2-0	P04 → CM2	40 / 24 / 3.20312 in 1016.00 / 609.60 / 81.36 mm	−Y · 1 1/4 in (31.75 mm)
S-CM2-1	P04 → CM2	40 / 24 / 9.06771 in 1016.00 / 609.60 / 230.32 mm	−Y · 1 1/4 in (31.75 mm)
S-CM2-2	P04 → CM2	40 / 24 / 14.93229 in 1016.00 / 609.60 / 379.28 mm	−Y · 1 1/4 in (31.75 mm)
S-CM2-3	P04 → CM2	40 / 24 / 20.79688 in 1016.00 / 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) / 5.494 in (139.55 mm) / 7.322125 in (185.98 mm)	0.088 in (2.24 mm) × 13.012 in (330.5 mm) × 4.012 in (101.9 mm)
POCKET-VLT / VLT	-0.088 in (-2.24 mm) / 5.494 in (139.55 mm) / 7.322125 in (185.98 mm)	0.088 in (2.24 mm) × 13.012 in (330.5 mm) × 4.012 in (101.9 mm)
POCKET-VLF / VLF	-0.088 in (-2.24 mm) / 5.494 in (139.55 mm) / 7.322125 in (185.98 mm)	0.088 in (2.24 mm) × 13.012 in (330.5 mm) × 4.012 in (101.9 mm)
POCKET-VLA / VLA	-0.088 in (-2.24 mm) / 5.494 in (139.55 mm) / 7.322125 in (185.98 mm)	0.088 in (2.24 mm) × 13.012 in (330.5 mm) × 4.012 in (101.9 mm)
POCKET-VRB / VRB	60 in (1524 mm) / 5.494 in (139.55 mm) / 7.322125 in (185.98 mm)	0.088 in (2.24 mm) × 13.012 in (330.5 mm) × 4.012 in (101.9 mm)
POCKET-VRT / VRT	60 in (1524 mm) / 5.494 in (139.55 mm) / 7.322125 in (185.98 mm)	0.088 in (2.24 mm) × 13.012 in (330.5 mm) × 4.012 in (101.9 mm)
POCKET-VRF / VRF	60 in (1524 mm) / 5.494 in (139.55 mm) / 7.322125 in (185.98 mm)	0.088 in (2.24 mm) × 13.012 in (330.5 mm) × 4.012 in (101.9 mm)
POCKET-VRA / VRA	60 in (1524 mm) / 5.494 in (139.55 mm) / 7.322125 in (185.98 mm)	0.088 in (2.24 mm) × 13.012 in (330.5 mm) × 4.012 in (101.9 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)	23.012 in (584.5 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)	23.012 in (584.5 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)	23.012 in (584.5 mm) × 17.012 in (432.1 mm) × 0.088 in (2.24 mm)
POCKET-RTLR / RTLR	5.494 in (139.55 mm) / 3.494 in (88.75 mm) / 23.208875 in (589.51 mm)	23.012 in (584.5 mm) × 17.012 in (432.1 mm) × 0.088 in (2.24 mm)
ROOF-OPEN-TL / P02	6 in (152.4 mm) / 4 in (101.6 mm) / 23 19/64 in (591.74 mm)	22 in (558.8 mm) × 16 in (406.4 mm) × 45/64 in (17.86 mm)
POCKET-RTRF / RTRF	31.494 in (799.95 mm) / 3.494 in (88.75 mm) / 23.208875 in (589.51 mm)	23.012 in (584.5 mm) × 17.012 in (432.1 mm) × 0.088 in (2.24 mm)
POCKET-RTRA / RTRA	31.494 in (799.95 mm) / 3.494 in (88.75 mm) / 23.208875 in (589.51 mm)	23.012 in (584.5 mm) × 17.012 in (432.1 mm) × 0.088 in (2.24 mm)
POCKET-RTRL / RTRL	31.494 in (799.95 mm) / 3.494 in (88.75 mm) / 23.208875 in (589.51 mm)	23.012 in (584.5 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-RTRR / RTRR	31.494 in (799.95 mm) / 3.494 in (88.75 mm) / 23.208875 in (589.51 mm)	23.012 in (584.5 mm) × 17.012 in (432.1 mm) × 0.088 in (2.24 mm)
ROOF-OPEN-TR / P02	32 in (812.8 mm) / 4 in (101.6 mm) / 23 19/64 in (591.74 mm)	22 in (558.8 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	59 19/64 in (1506.14 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 hardware purchase/cutting CRL confirmation of matched D602/D603/D610/D649/D652, catalogue/DWG dimension differences, actual kit inventory, uncapped deburred shoe ends, flush #4 countersinks in thin webs and right-jamb divider relief. Wheels must remain firmly retained. No supplier approval received.	_____ _____
H02 · Before wood cutting Measure plywood gauge, usable stock, square straight solid wood, kerf and flatness. Reference numbers are not received measurements.	_____ _____
H03 · Before veneer purchase Selected species, PSA/backer, stock size, panel balance, cured Varathane compatibility, acclimation, pressure/dwell and heat/humidity/cleaner exposure accepted by supplier. Recalculate all changed layers.	_____ _____
H04 · Before capture machining Measure actual wire crossings and cured finish stack; trial fully buried screen with a flat bearing land. Reference recess 0.088 inch, maximum 0.125 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 All hardware and anti-lift drilling, countersinks, lock and removal trials completed before coating. Any newly 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 CRL/fabricator resolution of GC728C glass-thickness conflict. Measure accepted vinyl, shoes, glass, cured cushions, guides and anti-lift. Prove insertion/removal and capture before field order; never use reference pane sizes as an order.	_____ _____
H07 · Before loading Qualified full support/furniture/building-floor review with weighed wet bed, shell and equipment. Arithmetic bed scenarios are not a load rating. 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, 24-hour liner test, snag/edge/mesh/door/anti-lift and service tests, qualified review, species-specific heat/humidity/light/gap/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 bonding CRL/DAP acceptance of neoprene bonded to received anodized aluminium, preparation, actual cured film and seven-day sample bond. Repeated closing and service tests required; detached cushions require repair and renewed acceptance.	_____ _____

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.

- CRL TH18 reference track sections and kit
- CRL D2203ABB product and linked drawing
- 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.