

Drink Station

Frameless (European) construction, inset flush doors. A built-in cabinet with a coffee counter on top, a freezer, a wine and beverage cooler and a bank of three drawers.



Overall width	63 3/8" (1610 mm)
Overall depth	27 1/4" (692 mm)
Counter height	45" (1143 mm)
Carcass width	61 7/8" (1572 mm)

Fronts	wood-grain melamine, Natural oak, inset flush
Interior	white melamine
Countertop	black quartz, 1 1/4"
Issue	Rev B · 2026-10-10 · for review

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Revision B issued 2026-10-10 for review. Not for construction until the open items in clause 1.8 are confirmed.

END PRODUCT

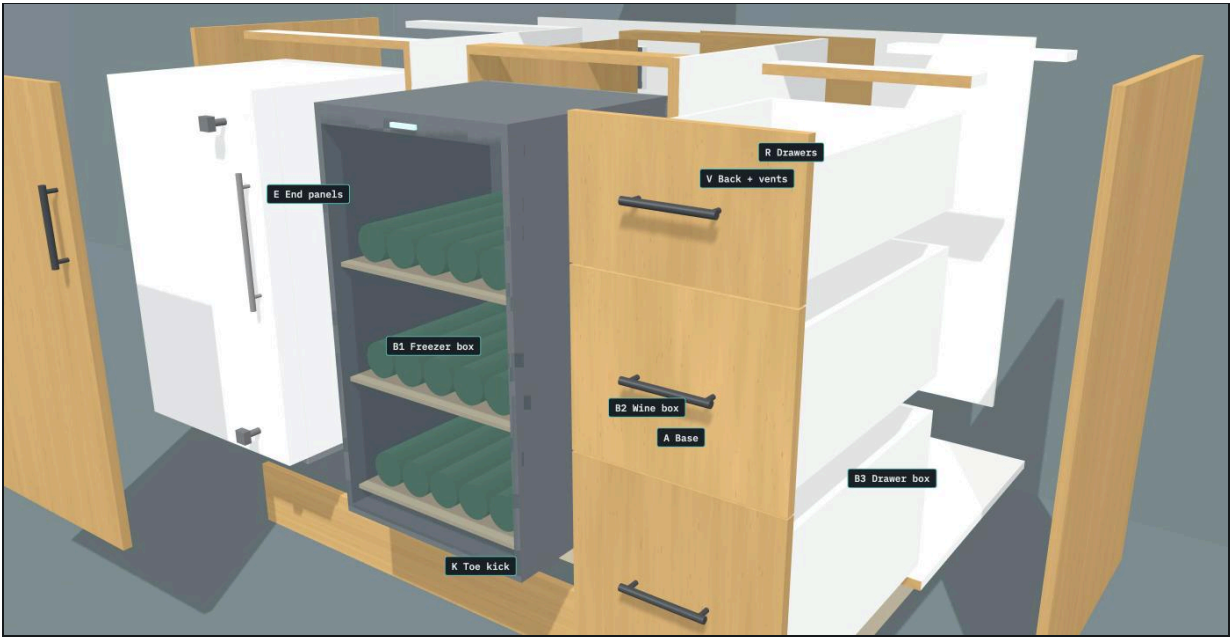


Front view, doors and drawers closed. Door and drawer fronts sit inside their openings, flush with the cabinet front.

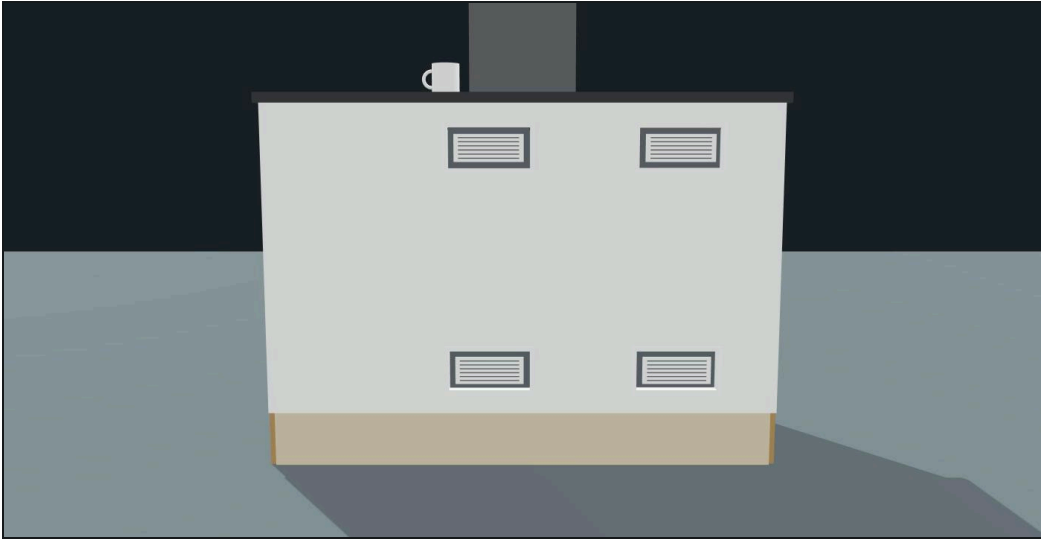


Freezer door and drawers open. The wooden door and the freezer door open together.

HOW IT IS MADE



Exploded view: base ladder, one carcass with single dividers, wine bay liners, back panel with vents, toe kick, doors and drawers inset in their openings, countertop.



Back view with the four TRM 5×10 wall vents (two low, two high).

Part IDs in the picture match the parts list: A base, B boxes, E end panels, F face frame, K toe kick, C countertop, D door, R drawers, V back and vents.

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APPLIANCES (SUPPLIED BY THE CLIENT)

ITEM	WIDTH	DEPTH	HEIGHT	NOTE
Freezer, Koolatron KTUF88	21" (533 mm)	19 3/4" (502 mm)	33 3/4" (857 mm)	Retailers list different sizes. Measure the unit.
Wine and beverage cooler, Vissani VSB36MS2F28 (3.6 cu ft)	18 7/8" (480 mm)	18 11/16" (475 mm)	33 1/2" (851 mm)	Home Depot Canada listing: freestanding, reversible glass door, recessed handle. No clearances listed: check the manual.
Espresso machine, Breville Barista Express BES870XL	12 1/2" (318 mm)	13 3/16" (335 mm)	15 13/16" (401 mm)	Retailer-listed size. Leave headroom to lift the bean hopper and water tank.

CLEARANCES (DEFAULTS, TO BE CONFIRMED ON SITE)

CLEARANCE	VALUE	REASON
Each side of an appliance	1" (25 mm)	Slide the unit in and out; heat escapes.
Behind the deepest appliance	3" (76 mm)	Cords and airflow to the back vents.
Above the tallest appliance	2" (51 mm)	Heat escapes upward.
Appliance front to the front plane	2 1/2" (64 mm)	3/4 in inset door plus 1 3/4" (44 mm) for the slide arms and the freezer handle.
Cabinet back to window glass	4" (102 mm) min.	Airflow behind the vents, clear of the baseboard heater. Confirm the heater depth first.
Toe kick height (also the base ladder height)	6 1/2" (165 mm)	Sets the counter height at 45".

DESIGN DECISIONS

- **Inset flush fronts.** Doors and drawer fronts sit inside their openings with 1/8 in (3 mm) reveals, so the front is one flat plane and the top and bottom lines run across the whole cabinet, including the open wine and beverage bay.
- **Frameless (European) carcass.** One carcass with single 3/4 in dividers, no face frame: fewer parts, a stiffer cabinet, and hinges screwed into a solid 3/4 in panel.
- **Freezer door link.** The wooden door hinges on the cabinet; the stock freezer door keeps its own hinge. Two slide arms connect them, so one motion opens both. The freezer gasket and soft-close are not designed for this: see the risk note in clause 3.9 of the specification.
- **Ventilation.** Four wall vents in the back (two low, two high). The two low vents let cool room air in; the toe kick is one solid piece. Confirm clearances against both appliance manuals and the heater.
- **Counter height 45".** Chosen for making coffee. The espresso machine hopper reaches about 60 13/16". Check the clear height under the stair at the back of the counter.

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SPECIFICATION PART 1 GENERAL

#	CLAUSE	REQUIREMENT
1.1	Scope	Fabricate, finish and install the built-in drink station shown on these drawings: 3 bays (freezer, wine and beverage cooler, drawer bank), a counter with coffee station, base, toe kick and all hardware. Appliances are supplied by the client. The countertop is supplied and installed by a stone fabricator, templated from the installed cabinet.
1.2	Standards	Work to the Architectural Woodwork Standards (AWI / AWMAC / WI), Custom grade, current edition, where applicable. Where these drawings and the Standards differ, these drawings govern. Composite panels to ANSI A208.1 (particleboard) or A208.2 (MDF), or the equivalent CSA grade, and compliant with CARB Phase 2 and TSCA Title VI formaldehyde limits.
1.3	Construction type	Frameless (European) construction, inset flush doors.
1.4	Design intent	Doors and drawer fronts sit inside their openings, flush with the cabinet front within 1/32 in (0.8 mm), with 1/8 in (3 mm) reveals on every side. The top and bottom lines of doors and drawer fronts are the same across the whole front. The open beverage bay shares those lines. Visible front edges are banded in the matching decor.
1.5	Submittals	Before fabrication: (a) shop drawings confirming every dimension against the site and the actual appliances; (b) a 12 × 12 in decor sample for the finish colour and grain; (c) manufacturer data for hinges, slides, wall vents and the door-slide kit; (d) countertop template approval.
1.6	Mock-up	Build and approve one door and one drawer front, with edge banding and hardware, before the full run.
1.7	Delivery, storage, acclimatisation	Store panels flat, indoors, off the floor and covered. Bring panels and hardwood into the installation space at normal occupied conditions (typically 35 to 55% relative humidity) for at least 48 hours, and 7 days for solid wood, before installing.
1.8	Site verification	Field-measure before cutting: the baseboard heater (depth, height and its clearance rules), the window glass, the clear height under the stair over the counter and the espresso machine, floor level, receptacle positions, and the actual appliances (the sizes here are retailer listings). Report conflicts before fabrication.
1.9	Coordination	Electrical: the freezer on its own receptacle; the cooler and the espresso machine (about 1,500 W, check its label) on circuits the electrician confirms. Receptacles sit in the back gap; cord holes are Ø2 in (51 mm) with grommets. Heating: keep the cabinet and vents clear of the heater and its airflow.
1.10	Appliance door clearances	The cooler's reversible glass door is hinged on the freezer side and must open to 110° without touching any part of the cabinet or the other doors. Provide a hinge-side gap of at least 1 in (25 mm), a finger gap of at least 1 in (25 mm) at the recessed handle, and clear floor of 18 7/8" in front of the cooler. The wooden freezer door (95°) and the drawers (fully open) must not touch the cooler door; see Figure 5. Keep an aisle of at least 42 in (1067 mm) in front of the cabinet.

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SPECIFICATION PART 2 PRODUCTS

#	CLAUSE	REQUIREMENT
2.1	Carcass panels	3/4 in (19 mm) white melamine on industrial-grade particleboard or plywood core. 1/2 in (12 mm) white melamine back. End panels are double-faced: decor outside, white inside.
2.2	Base	3/4 in (19 mm) exterior-glue plywood ladder base. No particleboard in contact with the floor.
2.3	Visible skin	3/4 in (19 mm) wood-grain melamine (Natural oak) on MDF or particleboard core, decor to be selected from the supplier's range. Grain vertical on doors, drawer fronts and end panels; horizontal on the toe kick. Adjacent doors and drawer fronts are cut from the same sheet in sequence so the grain runs on.
2.4	Edge banding	Visible edges: 2 mm (3/32 in) decor-matched PVC or ABS, applied with PUR or hot-melt adhesive, trimmed flush and lightly eased. Hidden edges: 1 mm matching banding. Tight joints, no gaps. See the edge banding schedule.
2.5	Fasteners and adhesive	Fluted beech dowels Ø8 × 30 mm (5/16 × 1 3/16 in); confirmat screws 7 × 50 mm; #8 × 1 1/4 in screws; 18-ga brads; PVA wood glue (Type II). No staples or brads on visible faces.
2.6	Hinges	110° concealed soft-close hinges for inset doors, 35 mm cup, 3 per door, to BHMA A156.9 (Grade 1 where available). Cam-adjustable plates on the 32 mm system (37 mm from the front edge).
2.7	Drawers and slides	Drawer boxes in 1/2 in (12 mm) birch plywood or melamine, 1/4 in (6 mm) bottom. Full-extension soft-close slides rated 100 lb (45 kg), 22 in (559 mm) long, with a locking device. Box length equals slide length.
2.8	Pulls	128 mm (5 in) centre-to-centre bar pulls, matte black, M4 machine screws: one per door and drawer front.
2.9	Freezer door link	Fridge door-slide kit: two track-and-arm sets. Arms Ø5/8 in (16 mm), 1 3/4" (44 mm) long; tracks about 6 5/16" (160 mm) long; 1/2 in plywood backers bonded to the freezer door with structural double-sided tape. Do not drill the freezer door.
2.10	Wall vents	TRM Metal Products 5×10 wall vent, white, four. Flange 10.91 × 5.91 in (277 × 150 mm); body 9.88 × 4.88 × 1.3 in (251 × 124 × 33 mm). Openings cut 10 × 5 in (254 × 127 mm), 1/8 in corner radii, edges sealed.
2.11	Countertop	1 1/4" (3 cm) black quartz, eased edge, 1 1/2 in (38 mm) past the door fronts, no visible seam. Templated after the carcass is installed and levelled. Supported on the end panels, dividers and stretchers, with neutral-cure silicone.
2.12	Finishing	Melamine parts are prefinished: no site finishing. Solid wood parts: sand to 180 grit, seal, and finish with three coats of clear water-based satin polyurethane.
2.13	Miscellaneous	Composite shims for levelling; Ø2 in (51 mm) grommets, three; neutral-cure silicone; protective film on all faces until final cleaning.

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SPECIFICATION PART 3 EXECUTION

#	CLAUSE	REQUIREMENT
3.1	Examination	Verify the site conditions in clause 1.8 and the appliance sizes before cutting. Do not start fabrication until conflicts are resolved in writing.
3.2	Cutting and banding	Cut parts square to $\pm 1/32$ in (0.8 mm) with a scoring blade or a sharp fine-tooth blade to prevent chipping. Band edges after cutting, trim flush and ease slightly. Label every part with its ID. Cut the vent openings and cord holes before assembly.
3.3	Drilling	Drill dowel holes on a jig. Line-bore $\varnothing 5$ mm holes on the 32 mm system, 37 mm from the front edge, for hinge plates and slide mounts. Pre-drill every screw.
3.4	Assembly	Assemble the carcass on a flat bench: glue and dowel the end panels, dividers, decks and stretchers; pull tight with confirmat screws. Check the diagonals match within $1/16$ in (1.5 mm) before the glue sets. Fit the $1/2$ in back between the end panels, glued and fastened every 6 in (150 mm), so the carcass is square and no white back edge shows at the sides.
3.5	Base and levelling	Build the ladder base from $3/4$ in plywood: two rails and 4 cross pieces, glued and screwed. Set it 4" (102 mm) or more off the glass and clear of the heater, level it with shims to within $1/16$ in over 4 ft (1.2 m), and scribe to the floor where needed. Fix it to the floor through the cross pieces where the floor allows.
3.6	Setting the carcass	Lift the carcass onto the base, square it, and screw down through the decks at 8 in (200 mm). Then fit the decor edge banding strips where the fronts show, if not already banded.
3.7	Toe kick	Fit the toe kick as one solid piece, full width, 3 in (76 mm) back from the front plane, fixed with plinth clips so it comes off for access. No slots. Cool air enters through the two low wall vents at the back.

SPECIFICATION PART 3 EXECUTION (CONTINUED)

#	CLAUSE	REQUIREMENT
3.8	Doors and drawers	Hang the doors on inset hinges and mount the drawer slides, then fit the fronts inside their openings. Set every reveal to 1/8 in (3 mm) $\pm$ 1/32 in and every front flush with the cabinet front within 1/32 in. Door and drawer top and bottom lines are the same across the whole front (door bottom 7 3/8", top 42 7/8" above the floor). Doors close without rubbing; soft-close engages evenly. Check that the cooler's glass door opens to 110° and clears every neighbouring part (clause 1.10).
3.9	Freezer door link: risk note	The stock freezer door is not designed to be driven by a second door. Its magnetic gasket, hinge and soft-close can resist the added weight (a 3/4 in slab is about 15 lb), and structural tape can lose grip on cold plastic. Keep the wooden door as light as practical, make sure the freezer door seals (a sheet of paper held in the gasket should resist pulling out on all four sides), and check the seal and the arm bonds after one week and every season. If the freezer ever fails to seal, take the arms off and use the wooden door independently; the design allows this.
3.10	Countertop	The stone fabricator templates after clauses 3.6 and 3.8, then sets the top on a bead of neutral-cure silicone over the end panels, dividers and stretchers. Overhang 3/4 in (19 mm) at the ends and 1 1/2 in (38 mm) at the front. Seal the joint at the back. Do not cantilever the top beyond what the supports carry.
3.11	Appliances	Install the appliances last. Level them, check the door swing and the handle clearance, route the cords through the grommets, and plug in. Do not block the vents. Run the freezer and the cooler for 24 hours, doors closed, before loading them.
3.12	Adjusting and cleaning	Adjust hinges and slides, touch up with matching filler or marker, remove protective film, vacuum, and wipe all faces. Give the owner the hardware data and the care notes.

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SPECIFICATION PART 4 QUALITY ASSURANCE

TOLERANCES (PROJECT REQUIREMENTS)

ITEM	TOLERANCE
Overall width, depth, height	±1/8 in (3 mm)
Reveals around doors and drawer fronts	1/8 in (3 mm) ±1/32 in (0.8 mm), even
Flushness of fronts to the cabinet front	±1/32 in (0.8 mm)
Carcass squareness (diagonals)	1/16 in (1.5 mm)
Level and plumb	1/16 in over 4 ft (1.5 mm over 1.2 m); 1/8 in over 10 ft (3 mm over 3 m)
Countertop overhangs	±1/8 in (3 mm)
Decor and grain	Adjacent fronts in sequence; no visible shade break at an edge

HOLD POINTS

- 1. After dry assembly of the carcass: squareness, dimensions and opening sizes checked against the appliances.
- 2. Before packing: edge banding, decor match, labels, hardware fit.
- 3. On site before the countertop and the appliances: level, scribe, vent openings, outlets.
- 4. Final: operation of every door and drawer, reveals, freezer seal, cooler door swing, vents clear, cleaning.

ACCEPTANCE

ITEM	NAME	SIGNATURE	DATE
Shop drawings approved			
Decor and hardware samples approved			
Installation accepted			

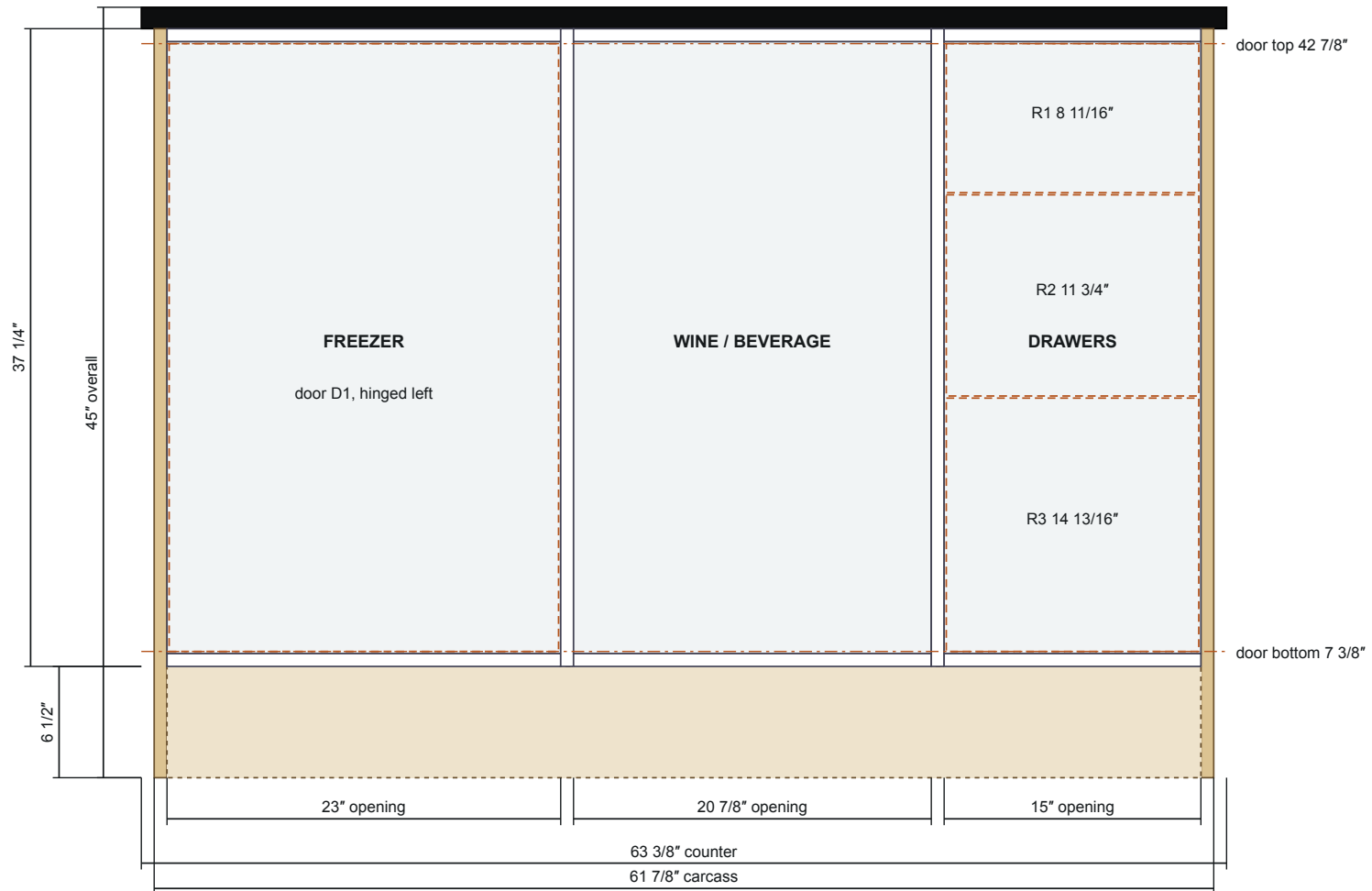
MATERIALS

ITEM	QTY
3/4" white melamine panel, 4x8 ft	2 (+10%)
1/2" white melamine panel, 4x8 ft	1
3/4" exterior-glue plywood, for the base	1/2
3/4" wood-grain melamine panel, 4x8 ft	3 (+10%)
Edge banding, white 1 mm (carcass)	33 ft
Edge banding, decor 2 mm (visible edges)	66 ft
Quartz countertop, 3 cm	1

HARDWARE

ITEM	QTY
Inset concealed hinges 110°, soft-close	3
Full-extension soft-close slides, 22", 100 lb	3 pairs
Bar pulls, 128 mm centres, matte black	4
Fridge door-slide kit (track + arm)	2
TRM 5x10 wall vent, white	4
Dowels Ø8x30 mm / confirmat 7x50	about 20 + 20 per joint run
Plinth clips	6
Grommets Ø2" (51 mm)	3
Neutral-cure silicone, composite shims	1 set

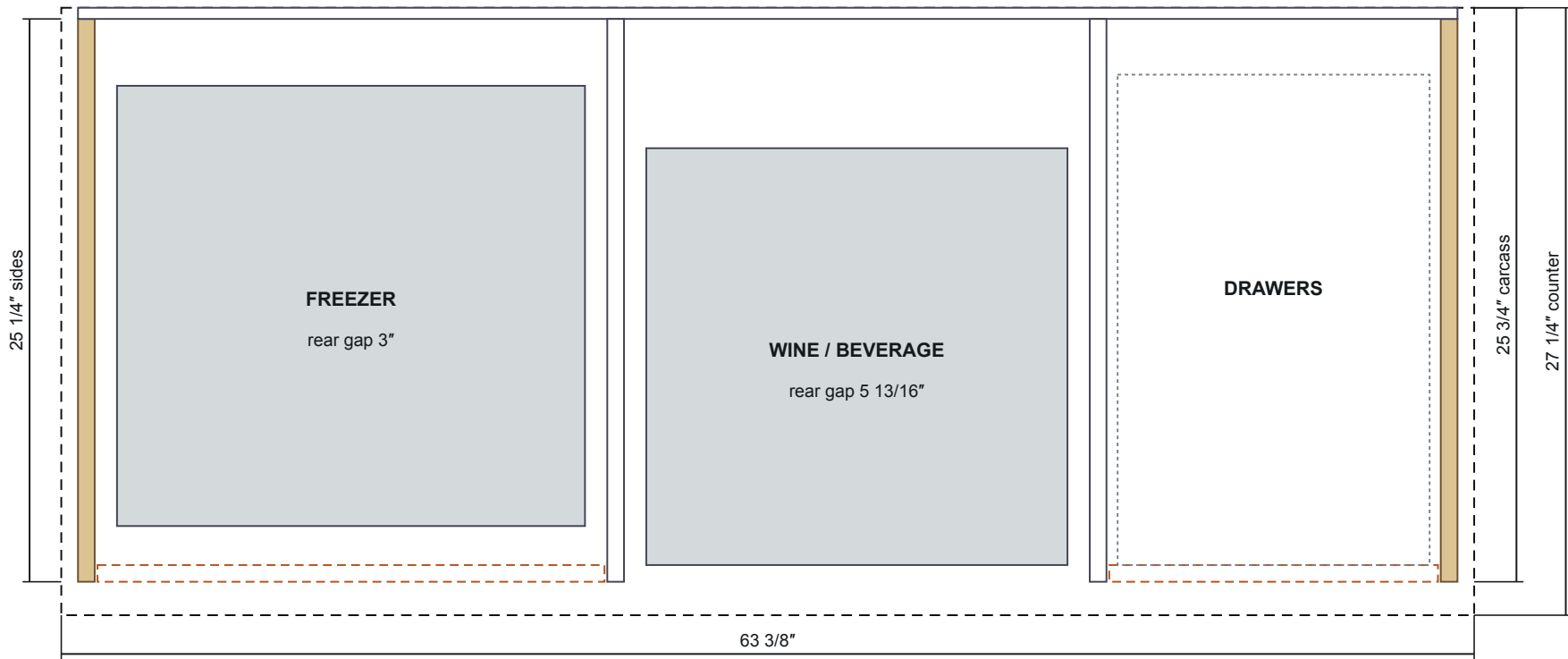
FIGURE 1 FRONT ELEVATION



Doors and drawer fronts (dashed) sit inside their openings with 1/8" (3 mm) reveals. The two reference lines (door bottom, door top) are the same for the freezer door and all three drawer fronts; the open beverage bay opening has the same bottom and top edges.

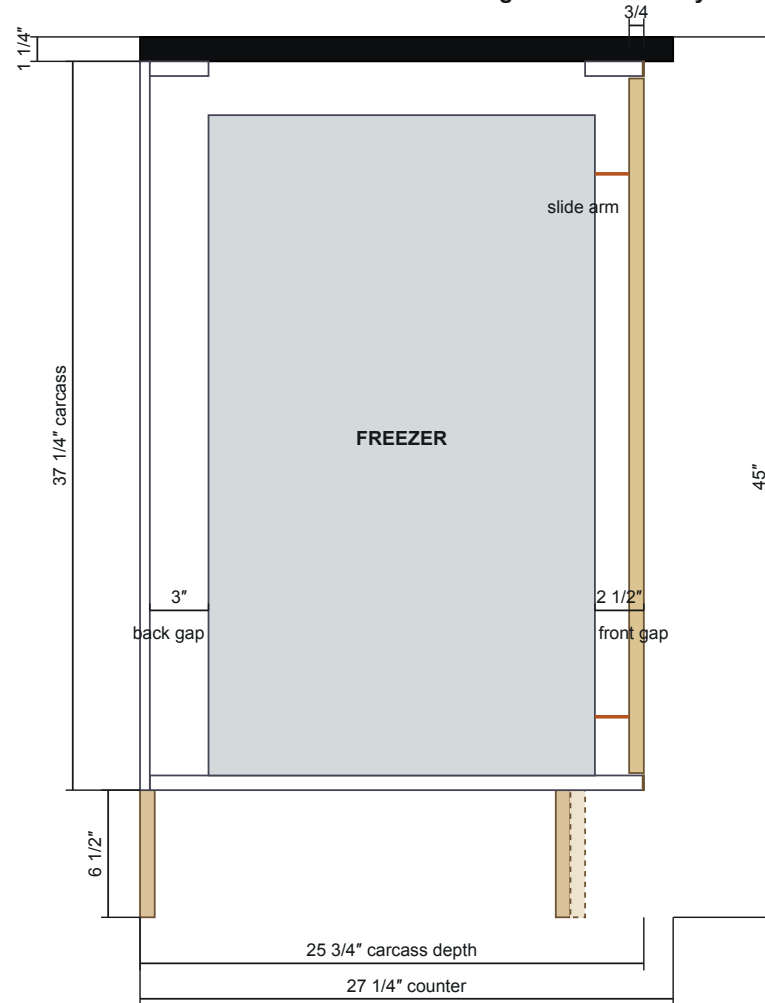
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FIGURE 2 PLAN (counter removed)



Back at the top, front at the bottom. The doors and drawer fronts (dashed, 3/4" thick) lie inside their openings, flush with the front. The drawer boxes (grey outline) are the same length as the slides.

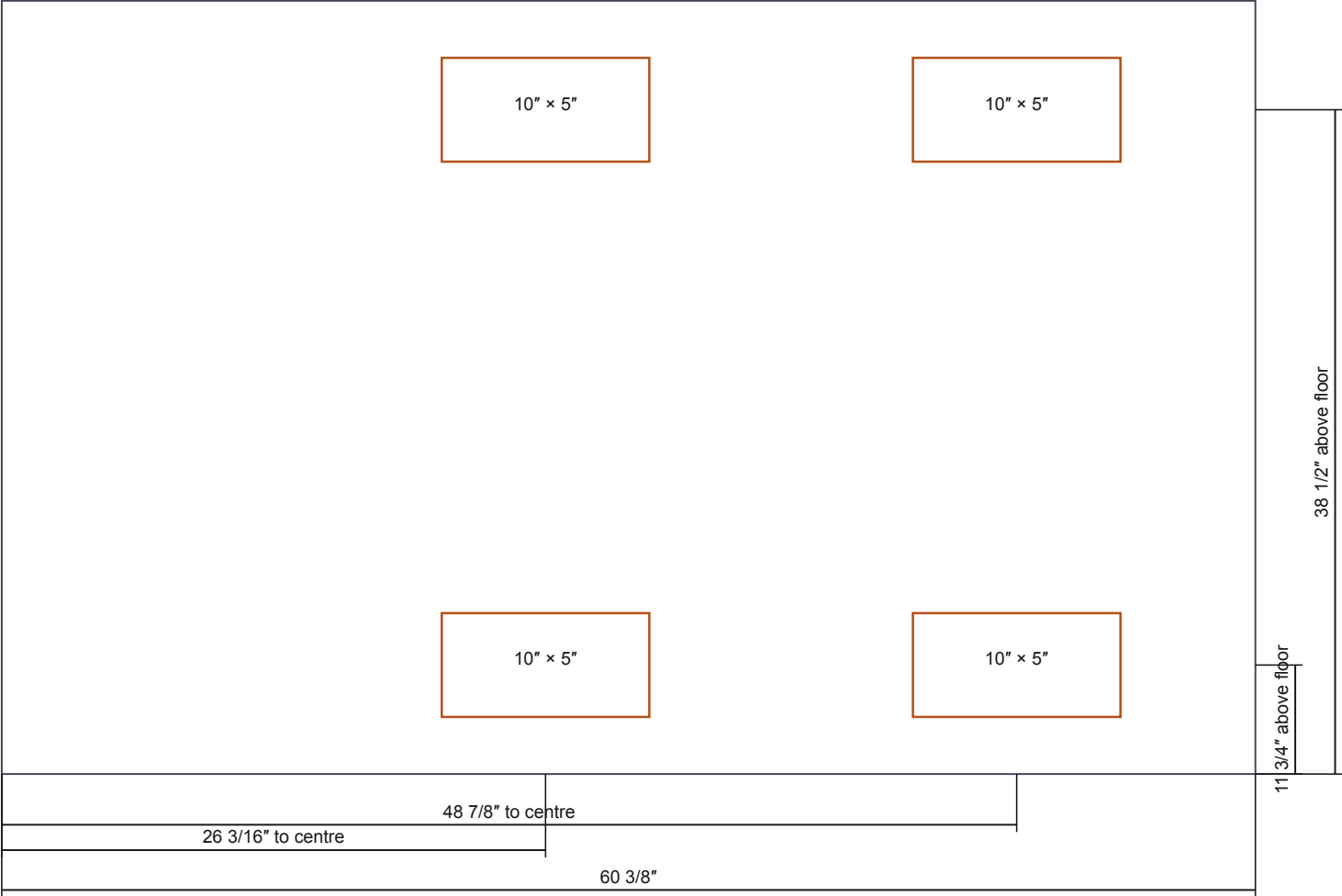
FIGURE 3 SECTION A-A through the freezer bay



Looking left. Raw plywood is the base ladder, white is melamine, wood colour is the finished skin. The door is inside its opening, its face flush with the carcass front; the slide arms run from the freezer door to the back of the wooden door.

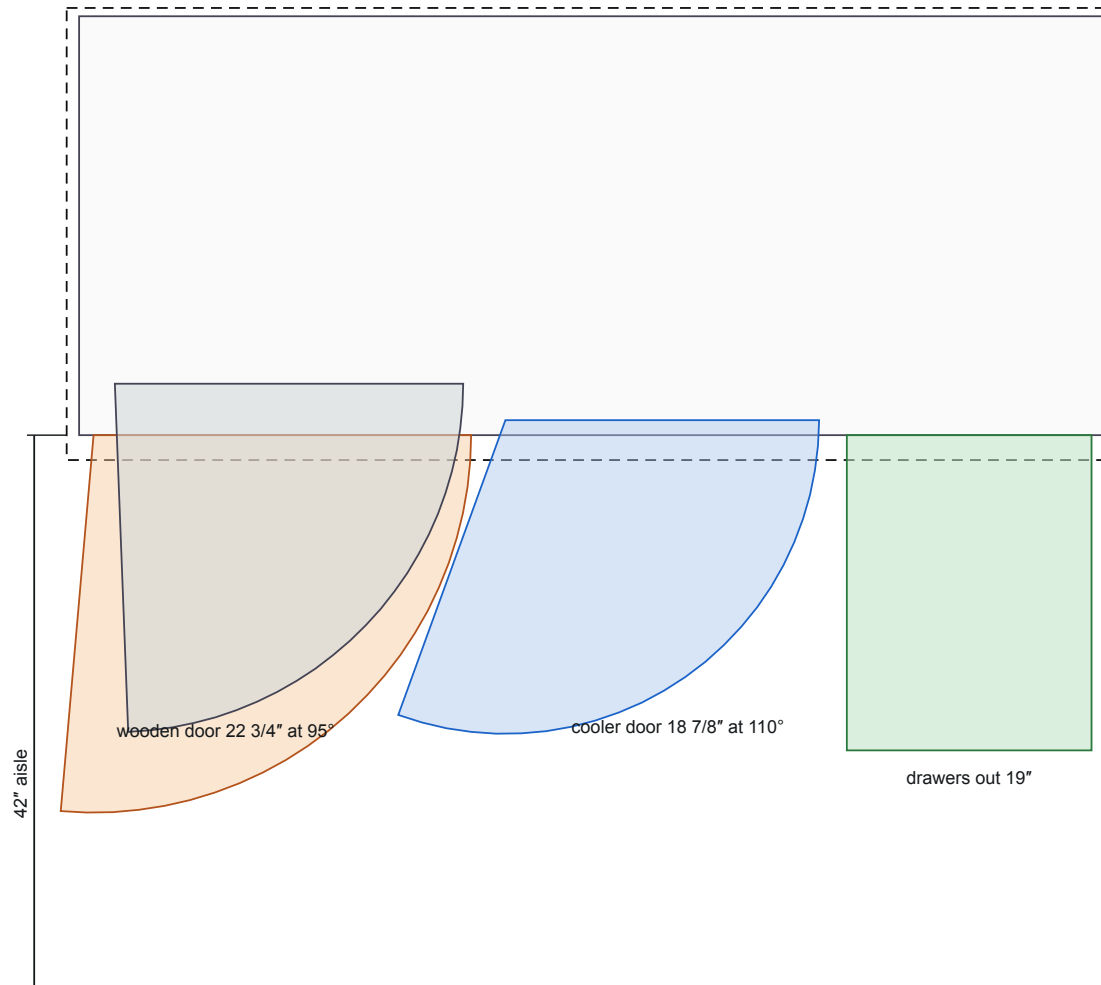
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FIGURE 4 BACK ELEVATION, vent openings (seen from the back)



Cut each opening 10" x 5" (254 x 127 mm) with 1/8" (3 mm) corner radii, centred as dimensioned. The TRM 5x10 vent has a 10.91" x 5.91" flange (277 x 150 mm), a body 9.88" x 4.88" (251 x 124 mm) and 1.3" (33 mm) depth that reaches into the cabinet: keep the back gap at 3" (76 mm) or more so the bodies clear the appliances. Also cut an intake slot 10" x 1 1/2" in each appliance deck, behind the appliance. Seal all cut edges.

FIGURE 5 OPERATING CLEARANCES: doors, cooler door and drawers open



CHECK	RESULT
Cooler door hinge	Hinged on the freezer side (the glass door is reversible). It opens to 110° and stands clear of the cabinet front.
Hinge-side gap	1" (25 mm) ≥ 1" (25 mm) so the door can swing past the divider
Handle-side finger gap	1" (25 mm) at the recessed handle; the cooler front sits 3/4" behind the cabinet front
Cooler door vs open freezer door	20 5/16" between the two swing paths: no conflict

PARTS LIST AND CUT SIZES

ID	PART	QTY	SIZE (THICKNESS × WIDTH × LENGTH)	MATERIAL
CARCASS: WHITE MELAMINE				
E1	End panel (carcass side)	2	3/4" × 25 1/4" × 43 3/4"	3/4" wood-grain melamine, decor outside and white inside
B5	Divider	2	3/4" × 25 1/4" × 37 1/4"	3/4" white melamine ply
B2	Deck, freezer bay	1	3/4" × 25 1/4" × 23"	3/4" white melamine ply
B2	Deck, wine fridge bay	1	3/4" × 25 1/4" × 20 7/8"	3/4" white melamine ply
B2	Deck, drawer bank	1	3/4" × 25 1/4" × 15"	3/4" white melamine ply
B3	Top stretchers, freezer bay	2	3/4" × 3" × 23"	3/4" white melamine ply
B3	Top stretchers, wine fridge bay	2	3/4" × 3" × 20 7/8"	3/4" white melamine ply
B3	Top stretchers, drawer bank	2	3/4" × 3" × 15"	3/4" white melamine ply
B6	Wine bay liner (sides)	2	1/4" × 25 1/4" × 35 3/4"	1/4" wood-grain, glued
B6	Wine bay liner (deck)	1	1/4" × 25 1/4" × 20 3/8"	1/4" wood-grain, glued
B4	Back panel	1	1/2" × 37 1/4" × 60 3/8"	1/2" white ply, 4 openings 10" × 5"
BASE: LEVELLED LADDER (HIDDEN BEHIND THE KICK)				
A1	Base rail (front, back)	2	3/4" × 6 1/2" × 60 3/8"	3/4" ply
A2	Base cross piece	4	3/4" × 6 1/2" × 20 1/2"	3/4" ply
WOOD SKIN: TOE KICK AND COUNTER				
K1	Toe kick slat	16	3/4" × 3" × 6 1/2"	3/4" wood-grain melamine, banded edges
C1	Countertop	1	1 1/4" × 27 1/4" × 63 3/8"	Black quartz
DOORS, DRAWERS AND HARDWARE				

PARTS LIST AND CUT SIZES

ID	PART	QTY	SIZE (THICKNESS × WIDTH × LENGTH)	MATERIAL
D1	Freezer door (inset, hinged on cabinet)	1	3/4" × 22 3/4" × 35 1/2"	3/4" wood-grain melamine slab, banded edges
H1	Door-slide set (track + arm)	2	Arm 1 3/4" long, track about 6 5/16" long	Buy a fridge door-slide kit
R1	Drawer front 1 (top is 1)	1	3/4" × 14 3/4" × 8 11/16"	3/4" wood-grain melamine slab, banded edges
R1	Drawer front 2 (top is 1)	1	3/4" × 14 3/4" × 11 3/4"	3/4" wood-grain melamine slab, banded edges
R1	Drawer front 3 (top is 1)	1	3/4" × 14 3/4" × 14 13/16"	3/4" wood-grain melamine slab, banded edges
R2	Drawer box (4 sides + bottom)	3	14" W × 22" D, heights 6 3/16", 9 1/4", 12 5/16"	1/2" ply, 1/4" bottom
H2	Drawer slides (pair)	3	22" full extension	Buy: 100 lb soft-close
V1	TRM 5×10 wall vent	4	Cut 10" × 5" (flange 10 29/32" × 5 29/32")	2 low, 2 high, 1.3" deep
B7	Deck intake slot (cut-out)	2	10" × 1 1/2" slot in the deck, behind the appliance	Cool air from the toe kick

Sizes are finished sizes. Sides, bottoms and stretchers stop at the back panel, which is applied over the rear edges. Part IDs match the labels in the exploded view.

EDGE BANDING SCHEDULE

PART	VISIBLE EDGES	HIDDEN EDGES
Doors and drawer fronts (D, R)	All four edges, 2 mm decor	—
End panels (E): carcass sides	Front edge, bottom edge and top edge, 2 mm decor	Rear edge: covered by the back panel
Dividers, decks, top stretchers (B)	Front edges, 2 mm decor	All other edges, 1 mm white
Toe kick (K)	All four edges, 2 mm decor	—
Back panel, base ladder	—	None
Wine bay liners (wood-grain)	Front edges, 2 mm decor	Other edges: glued tight
Drawer boxes	—	Top edges, 1 mm

- Band after cutting and before drilling and assembly. Use PUR or hot-melt adhesive, trim flush, ease the corner by hand, and keep the glue line tight.
- Mitre or butt the banding at corners so no white shows on a decor edge.

JOINT SCHEDULE

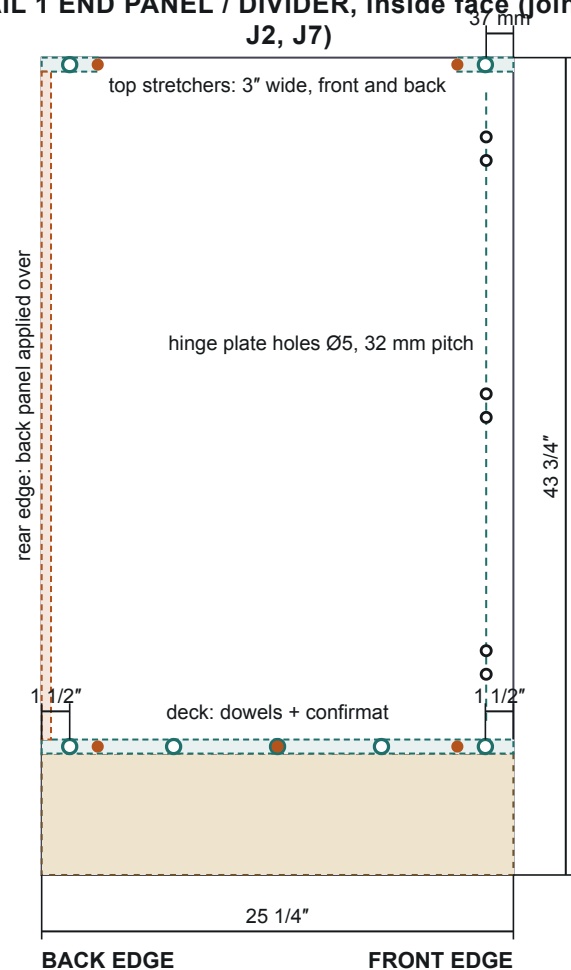
#	JOINT	METHOD	FASTENERS	NOTES
J1	End panel / divider to deck and stretchers	Butt joint, glued	Ø8×30 mm fluted dowels at 4–6" (100–150 mm) + 7×50 confirmat screws, 2 per joint end	Decks and stretchers run between the sides; the front stretcher is flush with the front.
J2	Back panel	Fitted between the end panels, glued	1 1/4" screws or 18-ga staples every 6" (150 mm)	Cut the vent openings first; square the carcass with the back before the glue sets.
J3	Carcass to base ladder	Screwed down through the decks	#8 × 1 1/4" screws at 8" (200 mm)	Shim the ladder level first; keep the cabinet back off the glass.
J4	Base ladder	Butt joints, glued	2 × #8 × 2" screws per joint	Rails 60 3/8" (1534 mm) long, 4 cross pieces 20 1/2" (521 mm) long, 6 1/2" (165 mm) high.
J5	Decor liners (wine bay)	Glued to the divider faces and the deck	PVA glue, cauls and clamps; no fasteners	1/4" wood-grain, front edges banded.
J6	Toe kick	Plinth clips to the base ladder	6 clips	Set back 3" (76 mm) from the front plane; removable.
J7	Hinges (inset)	Cup in the door, plate on the carcass side	Ø35 mm cup, 12.5 mm deep, 22.5 mm from the hinge edge; plates on the 32 mm system, 37 mm from the front edge	Reveal 1/8" (3 mm) all round.
J8	Drawer boxes	Dado and glue, bottom in a groove	1/2" sides, dado 3/8" deep, 1/4" bottom in a 1/4" groove, brads; box 22" (559 mm) long	Box width = opening – 1" (25 mm) for the slides.

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JOINT SCHEDULE

#	JOINT	METHOD	FASTENERS	NOTES
J9	Drawer fronts (inset)	Screwed to the box fronts from inside	4 × #6 screws; adjust to 1/8" (3 mm) gaps	Front flush with the carcass front within 1/32".
J10	Freezer door link	Slide arms on the freezer door, tracks on the wooden door	Arms on a 1/2" plywood backer, structural tape; no drilling into the freezer door	See detail 5 and clause 3.9.
J11	Countertop	Set on neutral-cure silicone	Supported on the end panels, dividers and stretchers	Overhang 3/4" (19 mm) at the ends, 1 1/2" (38 mm) at the front.

DETAIL 1 END PANEL / DIVIDER, inside face (joints J1, J2, J7)



○ Ø8×30 mm dowel, glued ● 7×50 confirmat screw (head hidden in the cabinet) ○ hinge plate hole pair

Two end panels (double-faced, decor outside) and 2 dividers. The end panel runs to the floor (43 3/4" (1111 mm) high); the dividers are 37 1/4" (946 mm) high. Mirror for the right end. Line-bore the 32 mm column on the left end and on the divider that carries the hinge plates, and the slide mounts on the drawer-bank sides, before assembly.

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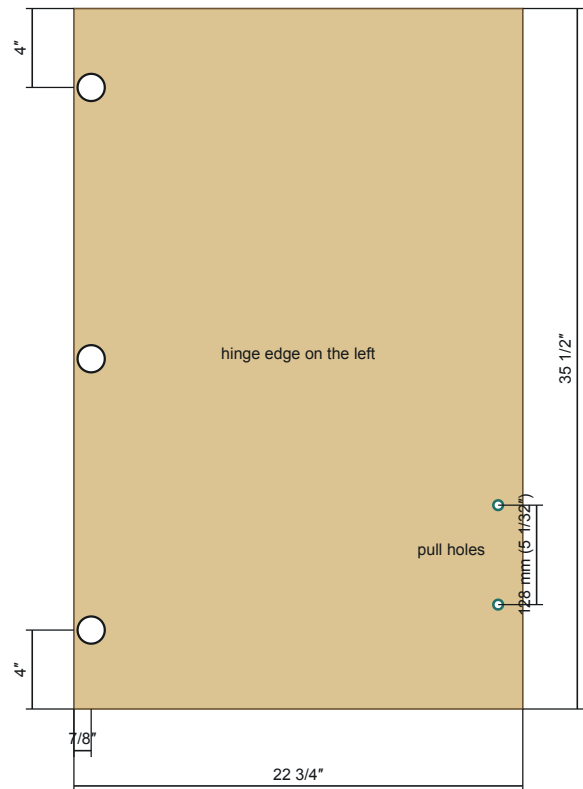
DETAIL 2 PLAN SECTION at the left end: carcass side and inset door



- **Carcass side:** doweled and confirmat-screwed to the deck and stretchers; its front edge is banded in the decor and is the visible edge at the end of the cabinet.
- **Inset door:** sits in the opening with a 1/8" (3 mm) reveal on every side; its face is flush with the front plane within 1/32" (0.8 mm). The hinge swings on the front face so the door clears the side as it opens.

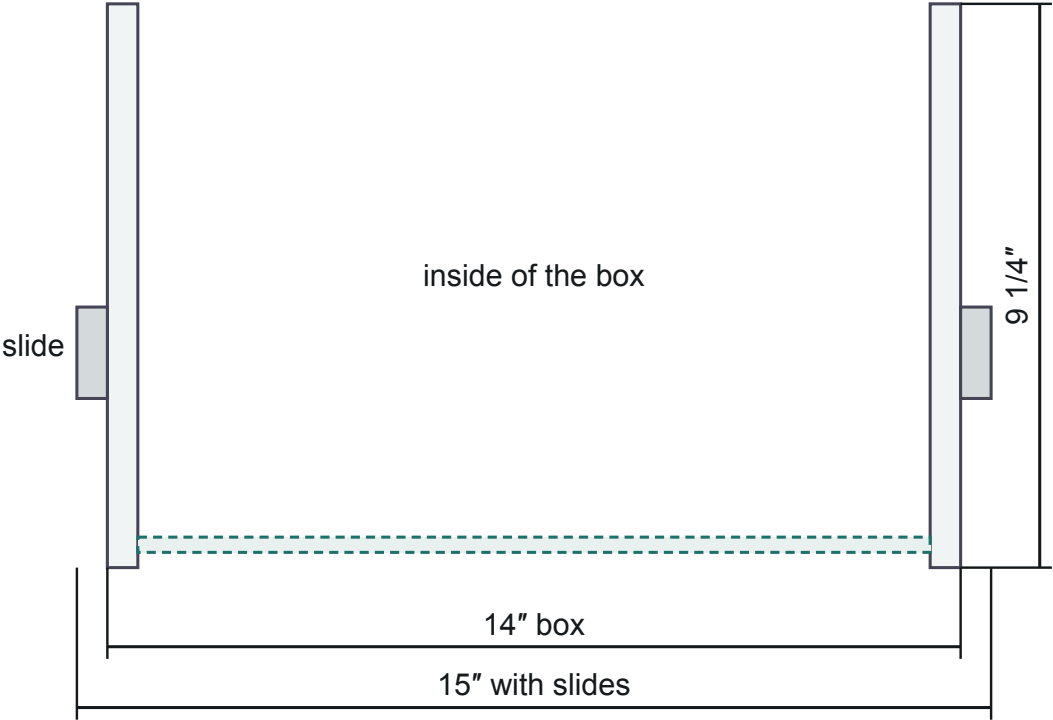
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DETAIL 3 FREEZER DOOR D1, back face, hinge bores (joint J7)



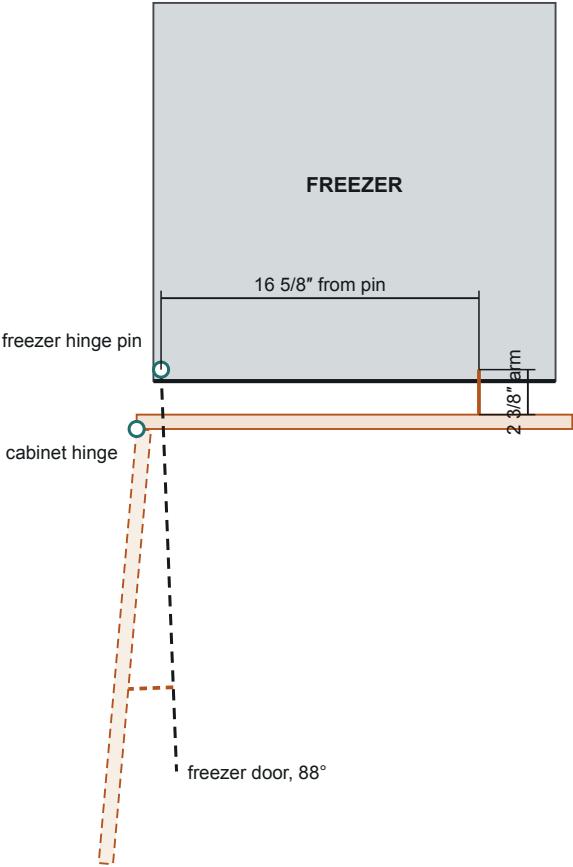
ITEM	SPEC
Hinge	Concealed 110° soft-close hinge for an inset door
Quantity per door	3 (door height 35 1/2" (902 mm))
Cup bore	Ø35 mm (1 3/8"), depth 12.5 mm (1/2"), centre 22.5 mm (7/8") from the hinge edge
Positions	4" (100 mm) from each end, and one at mid height
Plate	On the carcass side, 32 mm system, 37 mm from the front edge
Reveal	1/8" (3 mm) ±1/32"
Door	3/4" wood-grain melamine slab, banded edges (size on the parts list)

DETAIL 4 DRAWER BOX, front section (joints J8, J9)



ITEM	SPEC
Box material	1/2" (12 mm) plywood sides, front and back; 1/4" (6 mm) plywood bottom
Corner joint	Dado 3/8" (10 mm) deep and 1/2" wide, 1/2" (12 mm) from the end of each side; glue and brads
Bottom	1/4" groove, 1/4" deep, 3/8" (10 mm) above the bottom edge
Slides	Full-extension, soft-close, 22" long, 100 lb rating; 1/2" (12.7 mm) clearance each side. Box length = slide length (22" (559 mm))
Box size (middle drawer)	14" (356 mm) × 22" (559 mm) × 9 1/4" (235 mm) (width × depth × height)
Fronts	Inset: fixed from inside with 4 × #6 screws, then adjusted to 1/8" (3 mm) gaps and flush

DETAIL 5 FREEZER DOOR LINK, plan, closed and at 95°



WOODEN DOOR		FREEZER DOOR	
0°		0.0°	
15°		15.8°	
30°		30.8°	
45°		45.0°	
60°		58.5°	
75°		71.3°	
95°		87.8°	

ITEM	SPEC
Arms	2, Ø5/8" (16 mm) rod, 1 3/4" (44 mm) long, 16 5/8" (422 mm) from the freezer hinge pin
Arm heights	3" (76 mm) and 30 3/4" (781 mm) above the freezer base
Tracks	2, 6 5/16" (160 mm) long, on the back of the wooden door at the same heights
Backer	1/2" plywood plates bonded to the freezer door with structural double-sided tape. Do not drill the freezer door.
Hinge	Handle on the right, freezer hinge on the left. Reverse the freezer door first if needed.

Light tint: closed. Dashed: both doors open. The wooden door pivots on its front face; the freezer door on its own hinge, so the freezer door opens slightly less than the wooden door (about 88° at 95°). The arms slide in the tracks to take up the difference. Test the freezer seal after fitting (clause 3.9).