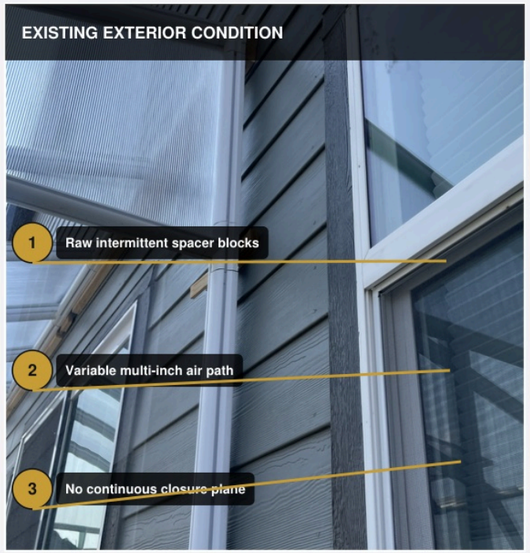
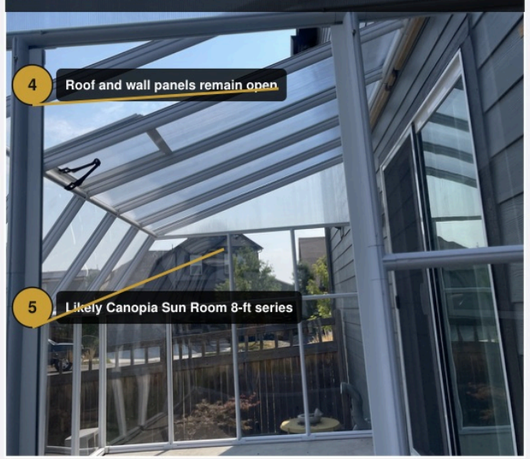
ENCLOSURE-TO-WALL PERIMETER CLOSURE RETROFIT

Recommended flashed receiver + controlled movement seals | Canopia/Rion resin-aluminum hybrid enclosure (field verify)

EXISTING EXTERIOR CONDITION

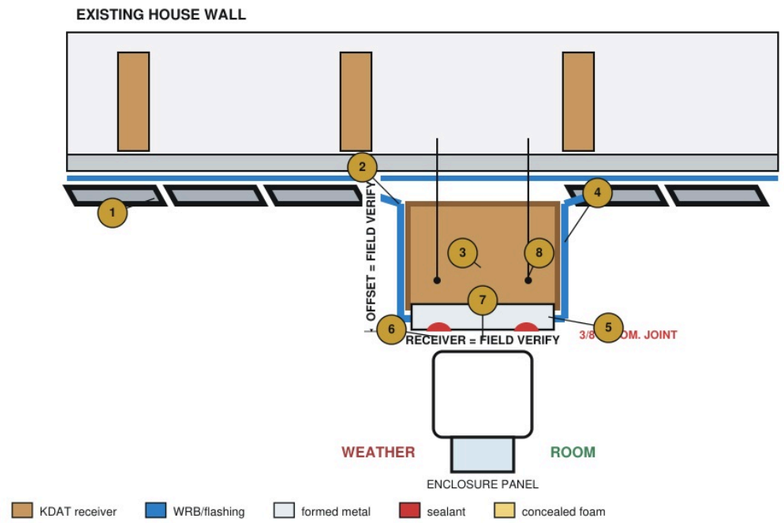


INTERIOR / HEAD CONTEXT



Do not bridge this gap with one massive bead. Install a continuous flashed receiver first. Use backer rod and sealant only at the final 1/4- to 1/2-inch movement joints.

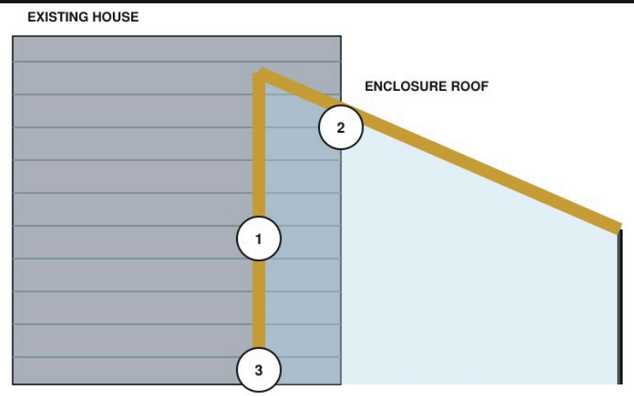
DETAIL 1 - TYPICAL VERTICAL JAMB PLAN SECTION



NTS - FIELD VERIFY ALL DIMENSIONS

1. Remove a narrow full-height siding band to expose a flat WRB/sheathing interface.
2. Repair WRB and lap new transition membrane shingle-fashion. No reverse laps.
3. Continuous KDAT pressure-treated receiver, field sized. Anchor to structural framing.
4. DuPont StraightFlash 9 in basis-of-design, or WRB-compatible AAMA 711 butyl flashing.
5. 0.040 in prefinished brake-formed aluminum closure; hem edges and match frame.
6. Nomaco SOF Rod + Sikaflex HY 100 at separate weather- and room-side joints; two-sided adhesion only.
7. OSI QUAD Foam in the concealed residual cavity only; keep it off glazing and drainage paths.
8. Preserve the kit load path. Flash fastener penetrations and carry the air seal continuously.

PROPOSED WORK LIMITS - FULL PERIMETER



GOLD = CONTINUOUS CLOSURE / FLASHING / SEAL

DESIGN INTENT AND CRITICAL NOTES

1. Establish a flat, durable attachment/sealing plane; the stepped siding face is not a reliable bearing or sealant substrate.
2. Temporarily brace the enclosure before altering any wood block or attachment. Work one attachment zone at a time.
3. Preserve the enclosure manufacturer's load path. Closure trim is nonstructural unless specifically engineered.
4. Integrate the closure with the existing WRB and head flashing. Surface caulk alone is not a water-managed transition.
5. Do not block factory weeps, panel drainage channels, glazing gaskets, or multiwall panel vent paths.
6. At polycarbonate, use only the enclosure manufacturer's gasket/tape and a written-approved neutral-cure sealant.
7. If the room will be conditioned or habitable, separately verify energy, condensation, ventilation, egress, snow/wind loading, and permit requirements.
8. Concept based on photographs. Field survey and selective opening are required before fabrication.

ESS | ENCLOSURE RETROFIT DETAIL
CONCEPTUAL SHOP DETAIL - FIELD VERIFY BEFORE FABRICATION

PROJECT	DATE / REV	SHEET TITLE	
Patio-room wall interface air/water seal	2026-08-09 / 0	JAMB / WORK LIMITS	SD-01

Jamb and work limits

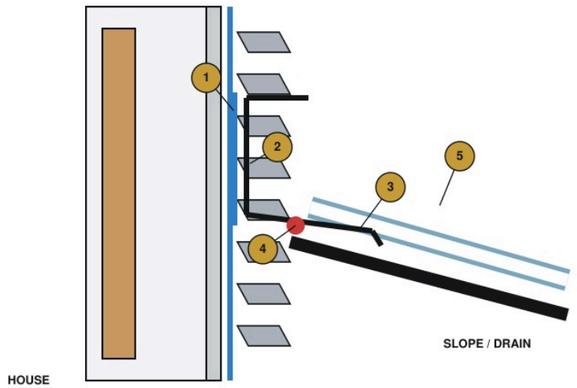
Prior project work. Preliminary / project-specific coordination example; not a fabrication release or instructions for another property.

HEAD / BASE DETAILS, PRODUCTS, AND EXECUTION

Field-coordinate with the enclosure manufacturer before drilling, removing attachments, or sealing drainage paths

DETAIL 2 - ROOF/HEAD-TO-HOUSE TRANSITION

NTS - VERIFY KIT PROFILE

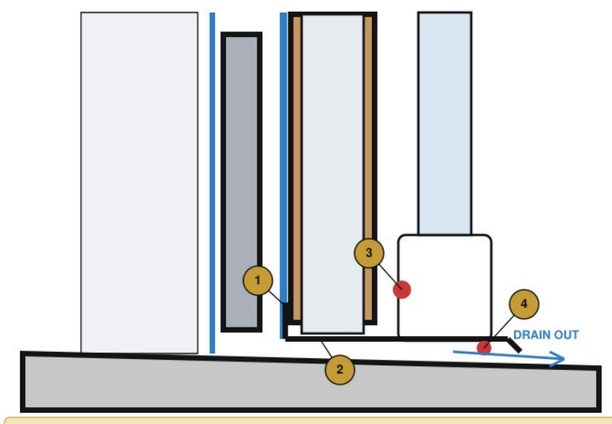


1. Lift/cut siding locally and integrate transition flashing behind the WRB repair flap.
2. Custom white prefinished metal counterflashing: 4 in absolute minimum wall leg, positive slope, hemmed drip, and 1 in end dams.
3. Lap over the aluminum head extrusion at least 2 in or per kit manufacturer. Do not bridge panel vent channels.
4. Provide a backer rod + compatible movement bead at the frame. Head waterproofing is not sealant-only.
5. Use OEM glazing gaskets/tapes. If sealant touches polycarbonate, use Momentive SilPruf SCS2000 only after written panel compatibility approval.

Head flashing is mandatory for a durable installation. A caulk bead at the high side of a sloped roof is maintenance sealant, not primary drainage.

DETAIL 3 - VERTICAL CLOSURE AT BASE / SILL

CONCEPT - BASE NOT SHOWN IN PHOTOS



1. Turn the vertical membrane and formed closure over a sloped sill pan; upper materials lap lower materials at least 2 in.
2. Pan includes a room-side back dam and jamb end dams. Do not terminate flashing behind the floor finish.
3. Carry the room-side air seal continuously into the base; use backer rod/bond breaker to avoid three-sided adhesion.
4. Leave all OEM sill/frame weeps open to exterior. Do not create a sealed trough against siding, trim, or deck.

Field measure the actual deck/slab, base track, slope, and drainage direction before issuing fabrication dimensions.

BASIS-OF-DESIGN PRODUCT SCHEDULE

ITEM	PRODUCT / REQUIREMENT	APPLICATION
1	**Receiver:** KDAT pressure-treated lumber or engineered exterior buck, field sized; cover with 0.040 in min prefinished aluminum, ASTM B209, 3003-H14 or equal.	Continuous flat closure/support plane. Not a substitute for engineered frame anchorage.
2	**Transition flashing:** DuPont StraightFlash, 9 in basis-of-design; AAMA 711 butyl. Use only after confirming compatibility with existing WRB/substrates.	Wrap receiver; integrate shingle-fashion with WRB and head/base flashings. Roll firmly.
3	**Exterior/air sealant:** Sikaflex HY 100, white. ASTM C920 Type S, Grade NS, Class 50; service -40 to 185 F. Keep this hybrid sealant in its own joint.	Painted siding/trim-to-formed-metal and frame movement joints. Field adhesion test; use Sika primer only as required for the verified substrate/coating.
4	**Joint backing:** Nomaco SOF Rod, ASTM C1330 Type B, 25-50% oversized. Bond-breaker tape where rod cannot fit.	Control sealant depth and prevent three-sided adhesion. Install dry with blunt tool.
5	**Concealed air/thermal fill:** OSI QUAD Foam low-pressure window-and-door polyurethane foam.	Residual cavity only; fill about 30%. Cover from UV. Not the weather seal, firestop, glazing adhesive, or structural support.
6	**Polycarbonate-contact sealant:** Momentive SilPruf SCS2000 neutral-cure silicone, selected color, only after written compatibility approval for the exact panel.	Use at a separate polycarbonate/aluminum joint only where the OEM permits. Never fill panel flutes, frame weeps, or glazing-bar drains.
7	**Fasteners/isolation:** OEM fasteners or 300-series stainless/hot-dip galvanized fasteners compatible with treated wood; EPDM washers and isolation layer at metal/treated-wood contact.	Spacing, embedment, edge distance, frame drilling, and movement slots by Canopia/manual or engineer. Do not anchor through cladding alone.

INSTALLATION SEQUENCE

1. Record gap width at base, quarter points, midheight, and head; identify siding, sheathing, WRB, wall framing, kit profile, fastener zones, roof slope, and base drainage.
2. Confirm enclosure model, warranty requirements, polycarbonate type, factory weeps, glazing gaskets, and permitted sealants. Obtain structural attachment criteria.
3. Install a 24-36 in representative mockup including one siding lap, receiver, flashing, backer rod, sealant, and a rail/anchor interruption.
4. Brace the enclosure. Remove/replace one existing spacer attachment at a time. Do not release the frame from the house without manufacturer/engineer approval.
5. Cut back siding only as required. Protect adjacent window flashing. Repair damaged WRB and verify sound sheathing/framing before concealment.
6. Install continuous receiver and structural attachments; isolate aluminum from treated wood. Flash all penetrations and fully roll transition membrane.
7. Fabricate/install continuous formed closure. Prefer one piece; if spliced, upper piece laps lower at least 2 in with concealed sealant/butyl and no water ledge.
8. Install head flashing and base pan/end dams before final vertical closure. Maintain shingle-fashion sequencing and outward drainage.
9. After substrate cleaning and adhesion test, install dry SOF Rod; gun Sikaflex HY 100 from back to face and dry-tool concave. Minimum 1/4 x 1/4 in; target 3/8 x 1/4 in; maximum sealant depth 1/2 in.
10. Fill only concealed residual voids with low-expansion window/door foam. Complete room-side air seal continuously around rails, corners, head, and base.

QA / ACCEPTANCE

1. Photograph WRB, substrate condition, fastener embedment, head flashing, base pan, and concealed seals before covering.
2. Perform and document field adhesion pulls on actual coated aluminum/metal and any painted substrate; prime only when required by test/manufacturer.
3. Verify no three-sided sealant adhesion, skips, bubbles, thin spots, reverse laps, exposed wood end grain, or blocked weeps/flutes.
4. After full cure, conduct a controlled exterior spray test from low to high; no uncontrolled water entry. Then smoke-pencil/fog test at approximately 25-50 Pa; no visible air movement at the retrofit joint.
5. Reinspect after the first full seasonal temperature cycle and repair any cohesive/adhesive failure under the installer warranty.

Document status: conceptual retrofit detail based on five photographs. Final fabrication dimensions require field survey, selective opening, and manufacturer/engineer review. This detail does not certify the room as conditioned or habitable space.

ESS | ENCLOSURE RETROFIT DETAIL
CONCEPTUAL SHOP DETAIL - FIELD VERIFY BEFORE FABRICATION

PROJECT	DATE / REV	SHEET TITLE	
Patio-room wall interface air/water seal	2026-08-09 / 0	HEAD / BASE / PRODUCTS	SD-02

Head and base details

Prior project work. Preliminary / project-specific coordination example; not a fabrication release or instructions for another property.