

Covered Deck Roof Planning Sheet

Map out your hybrid roof to keep interior sunlight and create deep outdoor shade.

Plan your beautiful covered deck with confidence. Use this guide to determine your materials, slopes, and framing rough-ins before you build.

● Key Dimensions

3-4 ft

Clear panel width by house wall

12-18 in

Eave extension past deck footprint

6 in

Seamless aluminum rain gutter size

Larger than threads

Pre-drilled panel fastener hole size



Set Beam Height By Sitting
Have a friend hold a scrap board across the posts while you test sightlines from your outdoor sofa. This finds the sweet spot blocking glare without losing your view.

● Framing & Rough-In Sequence

- 1 **Flash the House Ledger** Remove siding and tuck metal Z-flashing and waterproof membrane against the exposed wooden wall sheathing.
- 2 **Route the Electrical Wire** Drill through the exact center of roof rafters to center the wet-rated fan over your seating.
- 3 **Seal the Wood Framing** Apply two coats of premium penetrating sealant to exposed rafters before installing the clear panels.
- 4 **Fasten the Clear Sheets** Drive neoprene washer screws gently; never over-tighten, and ensure flutes run vertically down the roof slope.

● Minimum Roof Slope

Find your row: **Roofing Material**

Roofing Material	Your pick	Why
Clear Polycarbonate	1/4 inch per foot	Sheds water safely
Standing Seam Metal	3 inches per foot	Prevents costly leaks
Traditional Shingles	4 inches per foot	Stops rotting framing

● Permit Office Questions

- Verify required frost footing depth for your specific zip code.
- Ask about local snow load requirements for rafter sizing.
- Confirm the exact setback rules from your property line.
- Check hardware store lumber for straightness and structural cracks.

● Essential Material Details

- ☐ Solid aluminum tape for upper panel flutes
- ☐ Breathable vent tape for lower panel flutes
- ☐ Galvanized steel post bases to elevate raw wood
- ☐ Haint blue paint for tongue-and-groove ceiling boards
- ☐ Heavy-duty hardware cloth for pitched gable ends
- ☐ Pneumatic finish nailer to shoot through ceiling plank tongues

● Project Notes

Enjoy your bright, breezy new outdoor living room all summer long!