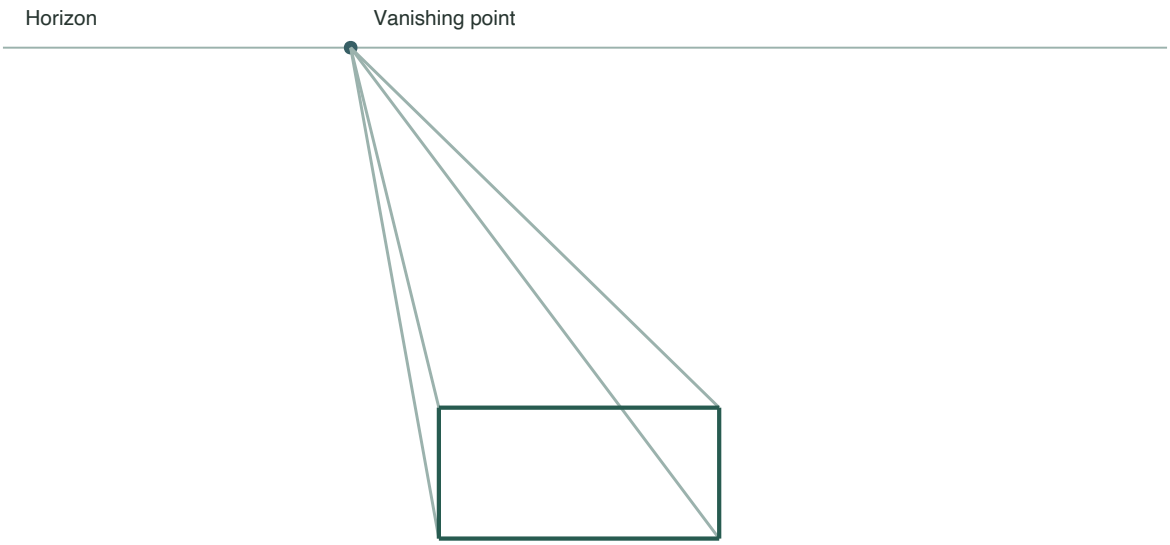
Draw a Porch in Perspective

Answer | Task 1 of 4 | LETTER

Original prompt

Task 1: Set the perspective frame. Draw a horizon line, mark one vanishing point, and draw a front rectangle for the porch with depth lines from its corners to the vanishing point.



Answer

A horizon line with a single marked vanishing point; a front rectangle with horizontal top and bottom edges and vertical sides; four depth lines from the rectangle's corners converging at the vanishing point.

Reasoning

The frame fixes the projection before any structure is added, so later roof and step edges have a consistent target.

Check

Confirm the vanishing point lies on the horizon and that all four depth lines meet it.

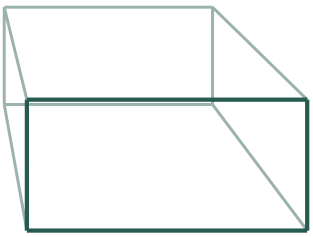
Draw a Porch in Perspective

Answer | Task 2 of 4 | LETTER

Original prompt

Task 2: Project the porch box. From your Task 1 frame, choose a depth along the converging lines and close the back face with horizontal and vertical edges.





Pale rear and depth edges show the transparent construction.

Answer

Draw a smaller rear rectangle at one common depth and join four matching corners. Show the back edges lightly so the entire box construction can be checked. The visible outer surfaces depend on where the viewer stands.

Reasoning

Closing the back face turns the frame into a solid porch volume that roof and steps can attach to.

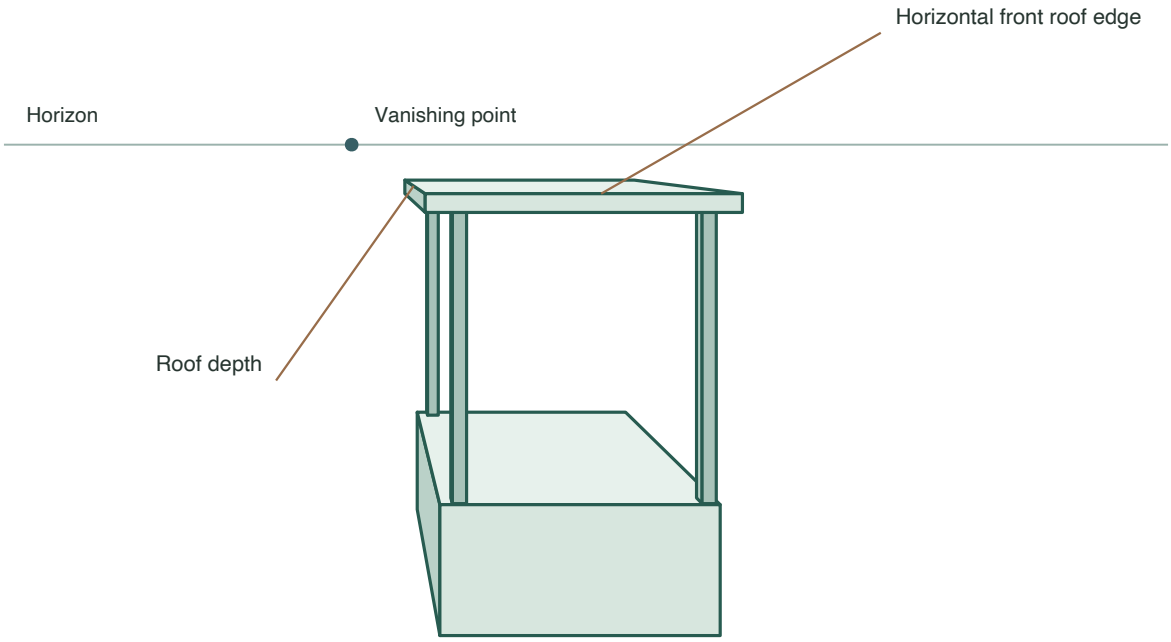
Check

Check that the back face is smaller than the front and that no depth edge misses the vanishing point.

Draw a Porch in Perspective

Original prompt

Task 3: Draw the roof lines. Add a horizontal front roof edge above the porch box and send the roof's depth edges to the same vanishing point.



Answer

A horizontal front roof edge above the box, with roof depth edges converging at the vanishing point and meeting the wall line consistently.

Reasoning

The roof is a plane above the box, so it must recede with the same vanishing point as the porch.

Check

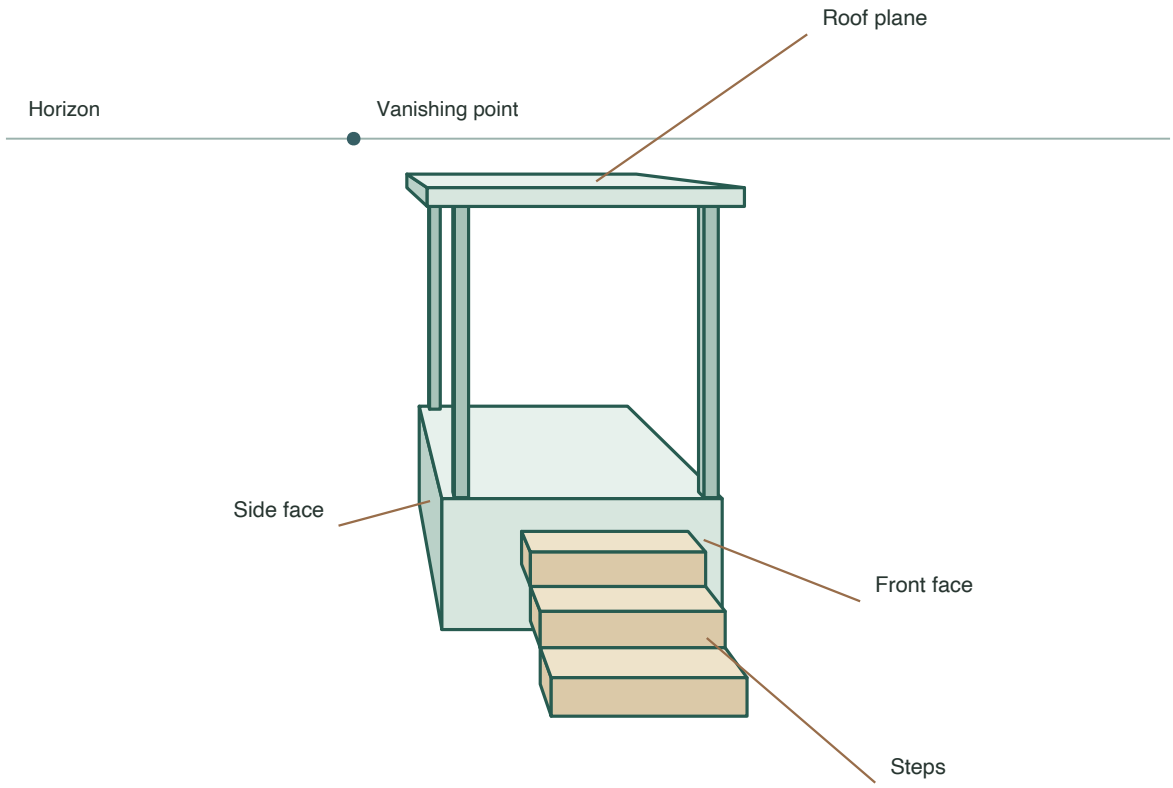
Extend the roof's depth edges and the deck's depth edges. Each should reach the same point on the horizon. The front roof edge should remain horizontal.

Draw a Porch in Perspective

Answer | Task 4 of 4 | LETTER

Original prompt

Task 4: Draw the steps and annotate. Add stacked step fronts below the porch with side edges aimed at the vanishing point, then label horizon, vanishing point, front face, side face, roof plane, and steps.



Answer

Stacked horizontal step fronts below the porch, each with side depth edges converging at the vanishing point, plus clear labels for horizon, vanishing point, front face, side face, roof plane, and steps.

Reasoning

Steps share the porch's projection, and annotations make the construction readable as a plate.

Check

Confirm nearer steps sit lower and wider, every step side edge meets the vanishing point, and each label points to its feature.