Draw a Building on a Perspective Grid

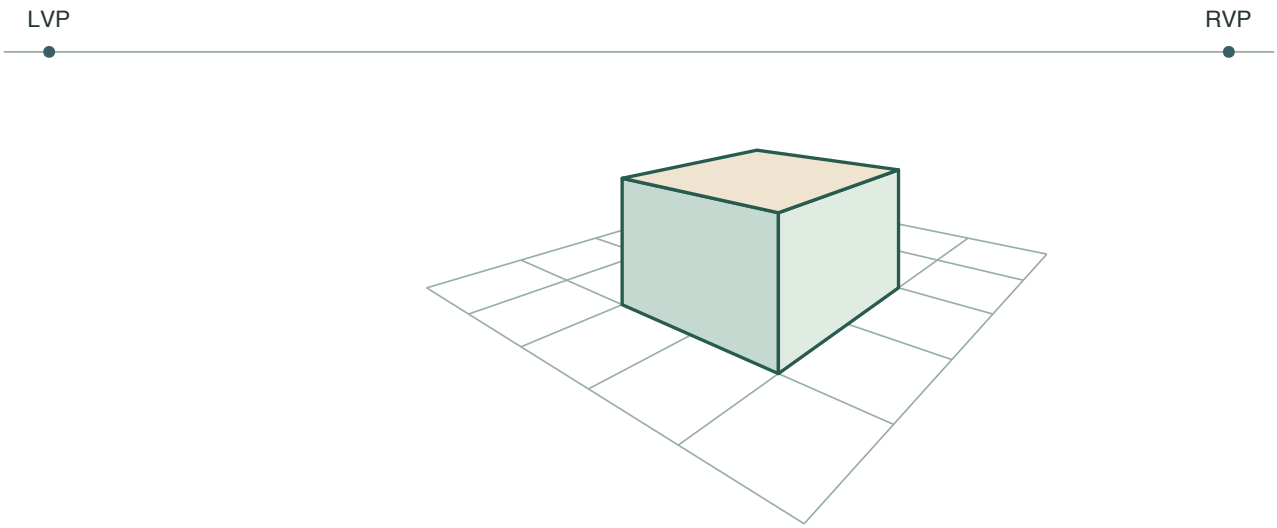
Reference | Worked construction | A4

Build in four steps

1. Mark both points on a level horizon. Draw the ground grid in both directions.
2. Stand the near upright at a crossing. Draw the separately raised guides to the same points.
3. Choose the far ground crossings and raise verticals there. Join their tops to close the mass.
4. Use a straightedge to verify the two horizontal direction families.

Original prompt

Draw a building plate on a perspective grid with vanishing-point alignment, following the four steps above.



Footprint on the grid with the roof raised above it

Answer

Mark two points on one level horizon. Make a true ground grid, choose a near crossing, and stand the near upright there. Place the far uprights at the chosen crossings. Join their tops to close the building with raised edges aimed at the same two points as the base.

Reasoning

The grid fixes the positions and directions of the footprint. Uprights transfer its corners to the top level. The raised edges share the two horizontal directions.

Check

Check both families at each level. The base follows the ground grid and the raised lines reach the same points when extended. Check that all verticals are upright.