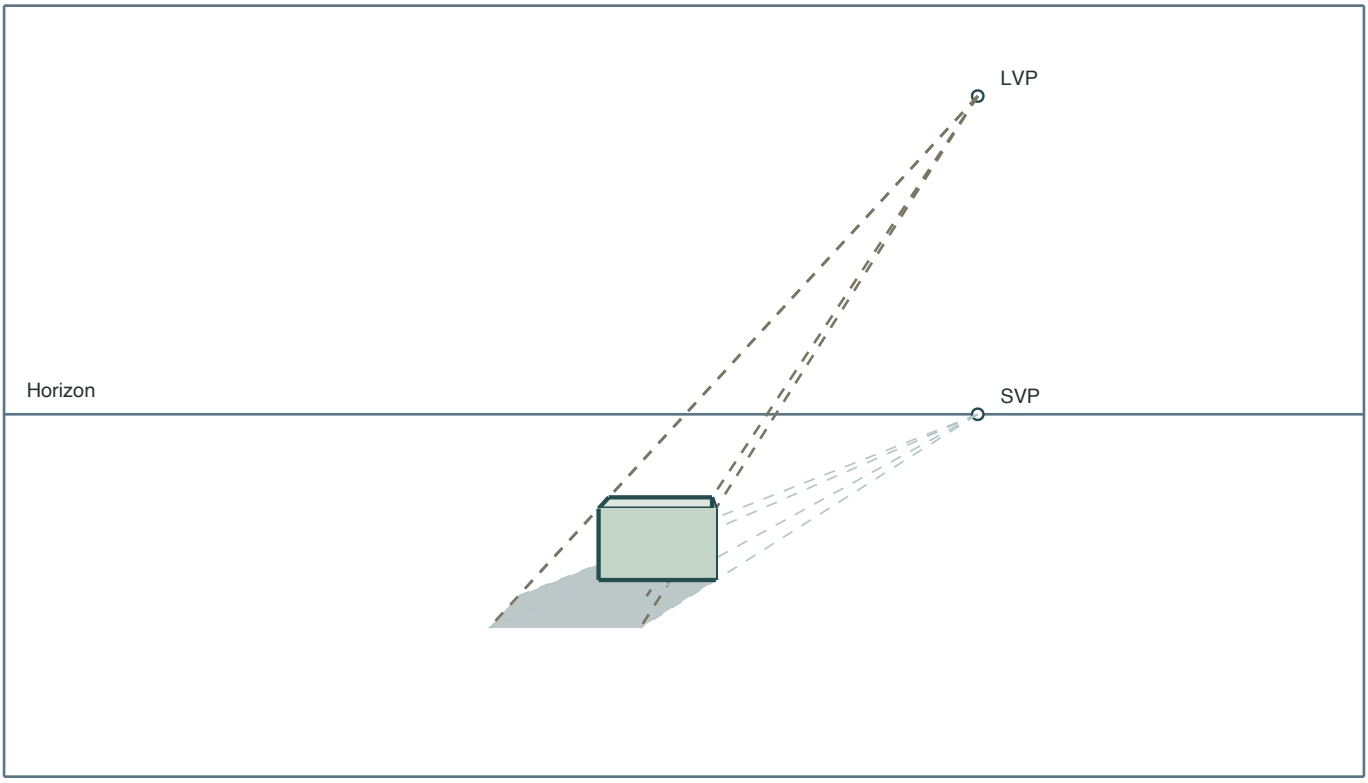
Draw Shadows in Perspective

Reference I Worked example I LETTER

Original prompt

Construct the cast shadow of a box on the ground using one SVP on the horizon and one LVP above it.



Answer

Place SVP on the horizon with LVP above it on the same page vertical. For every box corner, extend the ground line through its base and SVP and the light line through its top and LVP. Their intersection gives a projected tip. Join the outer footprint and tip boundary on the ground.

Reasoning

A matching pair of lines meets at the ground projection of one roof corner. The cast region on the ground includes the box base and the convex outline of the projected roof, so only the outer boundary is shaded.

Check

Check that each base-to-tip guide meets SVP and each top-to-tip guide meets LVP. Check the cast shape against the footprint and tip boundary, with the box drawn in front.