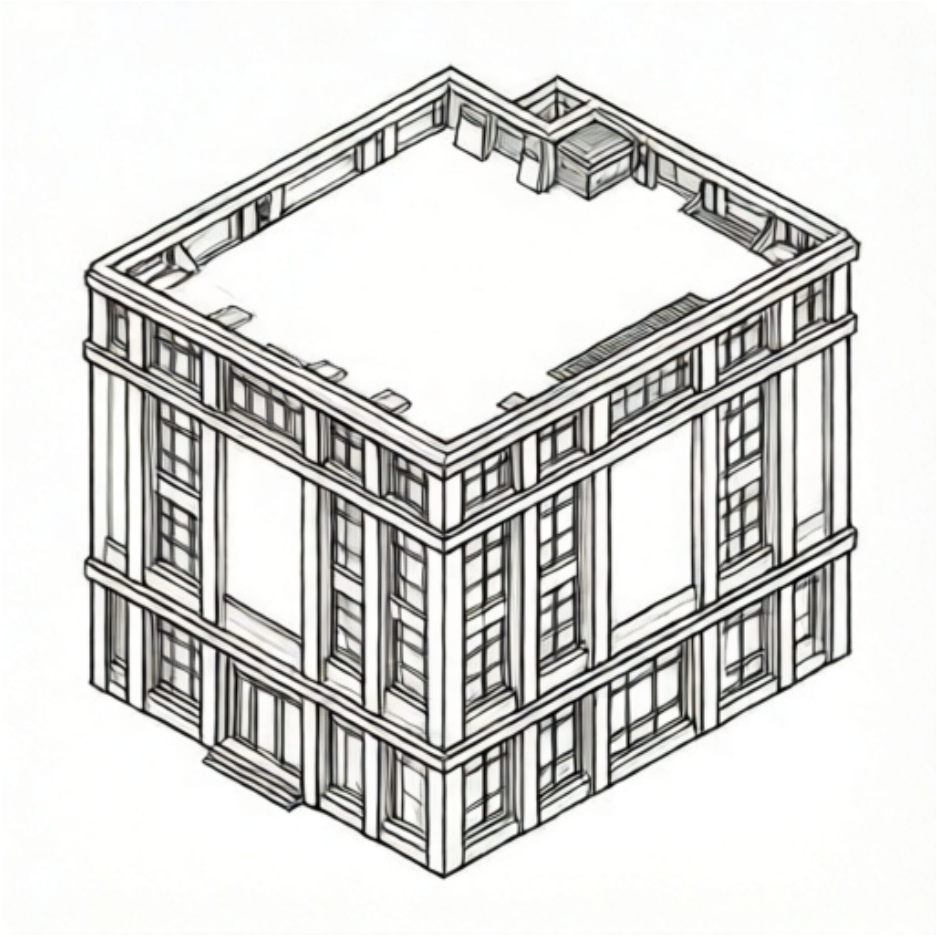
Isometric Building Drawing: Walls, Roof Planes, and Window Openings

Ordinary topic reference / separately checked pixels



Isometric Building Drawing: Walls, Roof Planes, and Window Openings

Original worked example / unchanged complete key

Prompt: Construct an isometric building with a base 4 units along L and 3 units along R, wall height 3 units, a ridge at 1.5 units along R and 4 units high parallel to L, and one window on each visible front wall. Each window starts 1 unit above the base and is 1 unit wide and 1 unit high.

Answer: The base parallelogram has corners O, A (4L), B (4L, 3R), C (3R). Vertical walls of height 3 rise from O-A and O-C. The ridge runs parallel to L at 1.5R and height 4, connecting to the wall tops to form two roof planes. The front-left window is a 1-by-1 parallelogram on the O-A wall, starting 1 unit from O along L and 1 unit above the base. The front-right window is a 1-by-1 parallelogram on the O-C wall, starting 1 unit from O along R and 1 unit above the base. All non-vertical edges are parallel to L or R, and all vertical edges are parallel to the vertical axis.