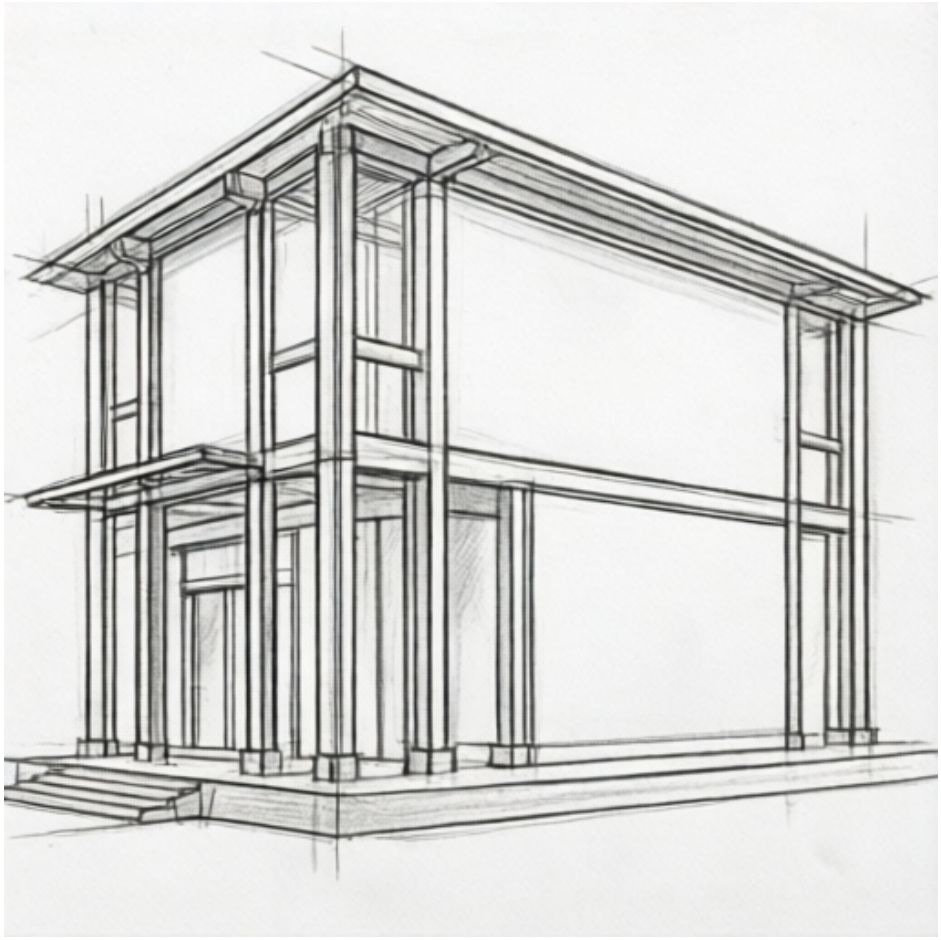
Pencil Building Sketch: Construction Lines and Proportion

Topic reference / ordinary illustration



Ordinary topic reference. Hypothetical dimensions in the four tasks are supplied in their own text; this illustration is not their measured answer.

Pencil Building Sketch: Construction Lines and Proportion

Worked example / complete source key

A building sketch has a wall height of 9 pencil-mark units and a roof rise of 3 units. The width is 8 units. Check the total height, the width-to-height ratio, and the roof fraction using baseline-to-midline convention.

Answer: Total height is 9 + 3 = 12 units. Width-to-height ratio is 8:12, which simplifies to 2:3. The roof rise is 3 units out of 12 total, so the roof is 3/12 = 1/4 of the total height. These values are hypothetical examples; measure your own sketch and keep units consistent.