Cross-Contour City Drawing: Wrapping Surface Lines Around Urban Forms

Ordinary topic reference / separately checked pixels



Cross-Contour City Drawing: Wrapping Surface Lines Around Urban Forms

Original worked example / unchanged complete key

Prompt: A rectangular tower guide box is 6 cm wide and 10 cm tall. Draw three horizontal cross-contour lines on the front at heights 2.0, 3.2, and 4.4 cm above the bottom. Mark the vertical centerline at x=3 cm and continue each line over the right corner onto the side, where the chosen line spacing is 0.8 cm.

Answer: Draw the vertical centerline at x=3 cm. Place the three front lines at the stated heights. Each crosses the vertical centerline once at its own height, then bends over the right corner onto the side. Keep the side segments 0.8 cm apart as the chosen drawing convention, and stop them at the side silhouette.

Reason: The horizontal contours are at different heights, so they do not cross a horizontal midline at y=5 cm. They intersect the vertical centerline across the front. The 0.8 cm side spacing is an explicit example, not a universal perspective rule.

Check: Measure front heights 2.0, 3.2, and 4.4 cm, confirm all three cross x=3 cm, and check each bends at the corner and ends at the silhouette. Compare adjacent side spacing with the chosen 0.8 cm.