Baroque Drawing: Dome, Volute and Ornament Construction

Ordinary topic reference / separately checked pixels



Baroque Drawing: Dome, Volute and Ornament Construction

Original worked example / unchanged complete key

Prompt: Construct a facade in a 12 cm by 16 cm frame. Use a dome 8 cm wide and 5 cm high with its spring line at y=5 and crown at y=10. Center it at x=6. Use outer volute centers (3,2) and (9,2), outer radius 3 cm with half-radius reduction. Place a 10 by 2 cm ornament strip from x=1 to 11 and y=1 to 3, divided into five segments; center small motifs at y=2.5. Describe the construction order and checks.

Answer: Draw the baseline at y=0, the spring line at y=5 cm, and the top guide at y=10 cm. Center the 8 cm dome on x=6: its base spans x=2 to x=10 at y=5, and its crown is y=10. Add the 2 by 1.5 cm lantern centered on x=6 from y=10 to y=11.5. For the left volute, use outer center (3,2) and draw radius 3 from (3,5) to (0,2). Continue with radius 1.5 centered at (1.5,2), from (0,2) to (1.5,0.5), then radius 0.75 centered at (1.5,1.25), from (1.5,0.5) to (2.25,1.25). Mirror those centers and endpoints across x=6 for the right volute. The arcs meet at each listed endpoint and their tangents continue in the same direction. Draw the 10 cm strip from x=1 to x=11 and y=1 to y=3. Split it into five 2 cm segments and place 0.6 by 0.6 cm motifs centered at (2,2.5), (4,2.5), (6,2.5), (8,2.5), and (10,2.5); the outer pair mirror across x=6 and the small motifs sit clear of the scroll paths. Draw strip and motif strokes lightly, then darken the scrolls in front. Where a scroll crosses the strip border, keep the scroll unbroken and stop the strip stroke at the crossing; do not double or continue a hidden line through the scroll. Check dome symmetry, the shared dome/scroll joins, and motif containment.