Supplemental Document for "Sketch2Scene: Sketch-based Co-retrieval and Co-placement of 3D Models"

This supplemental document contains two parts.

**User Study Materials.** We provide all the 7 sketched scenes, for each of which we include an artist-created 3D scene, three automatically generated 3D scenes by our technique, and user study statistics (i.e., the percentage in favor of our technique), as shown in Figures 1-7.

**24 Sketched Scenes for Parameter Analysis.** Each of them consists of 2 to 20 sketches, as shown in Figures 8-9.
Figure 1: User study example 1. 12 of 32 participants (37.5%) prefer our generated scenes.
Figure 2: User study example 2. 18 of 32 participants (56.2%) prefer our generated scenes.
Figure 3: User study example 3. 21 of 32 participants (65.6%) prefer our generated scenes.
Figure 4: User study example 4. 4 of 32 participants (12.5%) prefer our generated scenes.
Figure 5: User study example 5. 3 of 32 participants (9.4%) prefer our generated scenes.
Figure 6: User study example 6. 17 of 32 participants (53.1%) prefer our generated scenes.
Figure 7: User study example 7. 20 of 32 participants (62.5\%) prefer our generated scenes.
Figure 8: Sketched scenes for parameter analysis (Part 1).
Figure 9: Sketched scenes for parameter analysis (Part 2).