

SFSU -- Trogu -- DES 320 Drafting & Sketching for Design -- Spring 2023

Checklist of drawing issues for 1,2,3,4,5,6

Jan. 31, 2023

Note: this is is not a comprehensive list; please consult with the instructor if you have any questions.

1 Title block & border (all drawings)

1. The margin (border) is too narrow or too wide (it should be 1/2 inch)
2. Missing border and/or title block
3. Title block too narrow or too wide (high) -- (it should be 3/4 inch high)
4. Title block information must be in "print" letters, not cursive
5. Title block information is not complete
6. The drawing number is missing
7. Title block and/or border lines should not be light. They should be same strength as the main drawing lines.
8. The drawing title can be shortened, but it should be accurate
9. The paper format should be 9x12, not 8.5x11
10. Do not cross the border lines at the corners of the sheet

2 Draw parallel lines

1. Only free-hand lines, no ruler
2. Lines should be parallel, not converging/diverging

3 Draw cubes

1. Keep vertical lines in cube views parallel to the L/R sides of the drawing sheet
2. One cannot show perfect square views of a cube's face if other faces are visible
3. Do not use a straight edge in all cube free-hand drawings
4. Keep lines parallel (or slightly converging) in cube drawings; but always keep vertical lines parallel, even if the horizontal lines are slightly converging
5. In cube drawings, if the angle of one side line goes up, its length decreases

4 Draw cubes with cuts

1. See directions for #3 Draw cubes

5 Milk Carton orthographic

1. Views in orthographic of milk carton need to be coordinated together
2. Views in orthographic of milk carton need to be aligned together
3. The "roof" lines should be straight and vertical (not taper inwards) when milk carton is viewed from the side
4. Top and/or bottom views in milk carton orthographic should be square, not rectangles
5. All sides and front/back views are the same width (since the top and the bottom are square)

6 Milk carton axonometric

1. Do not use a straight edge except for some finishing touches in milk carton if desired; draw all lines free-hand
2. In the gray-painted sample used in class, the entire milk carton including the "roof" but excluding the seal at top, is inscribed within a cubic shape. The "roof" is one third the height of this cube.