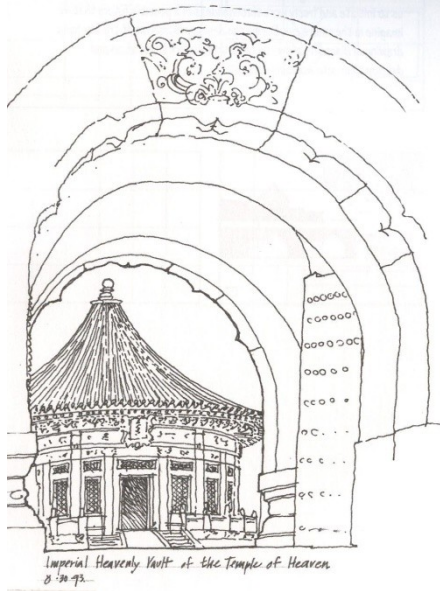


Perspective Fundamentals



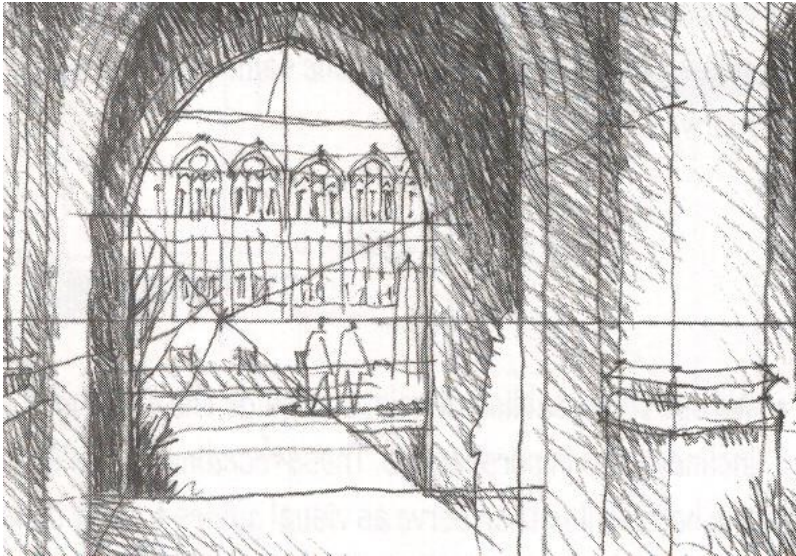
7. Focus Effect

- ▶ Blurred foreground with a clear background might be used to emphasize the center of interest as well as a sense of depth.



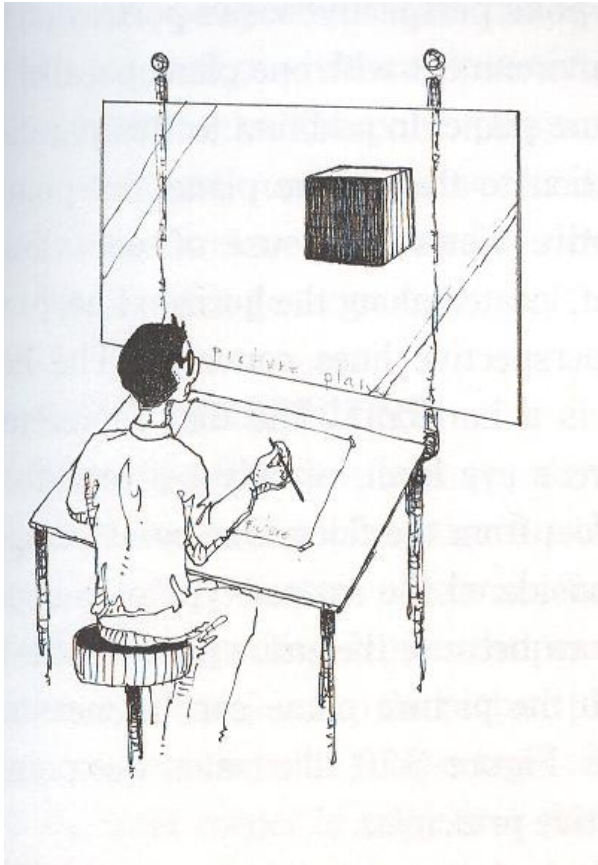
Perspective Fundamentals

7. Focus Effect



- Conversely, when the eye focuses on foreground objects the background will appear blurred and unclear.

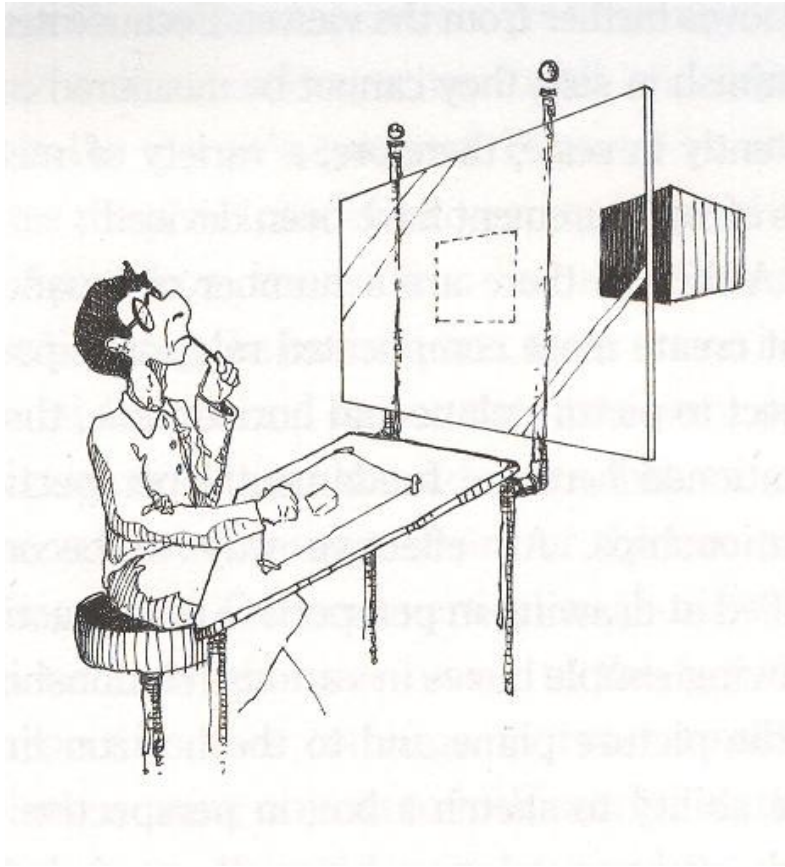
Understanding Perspective



- ▶ Picture Plane
 - ▶ An imaginary viewing plane that can be represented by the drawing surface.

1-Point Perspective Drawings

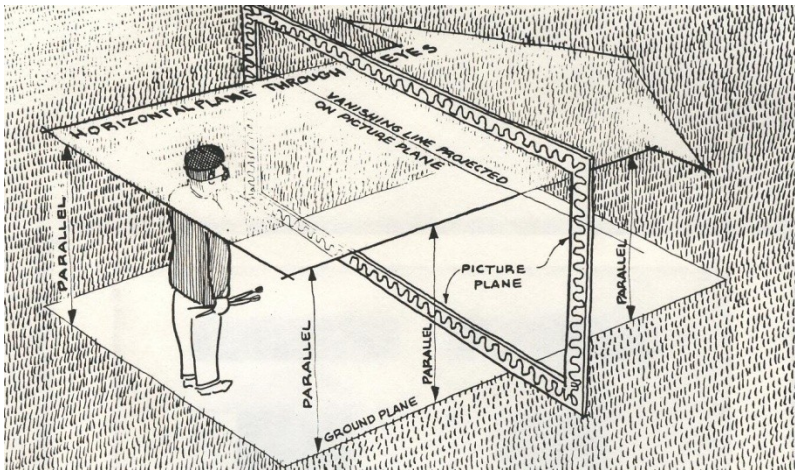
Picture Plane



- ▶ A box drawn in one-point perspective has its front plane parallel to the picture plane.

Understanding Perspective

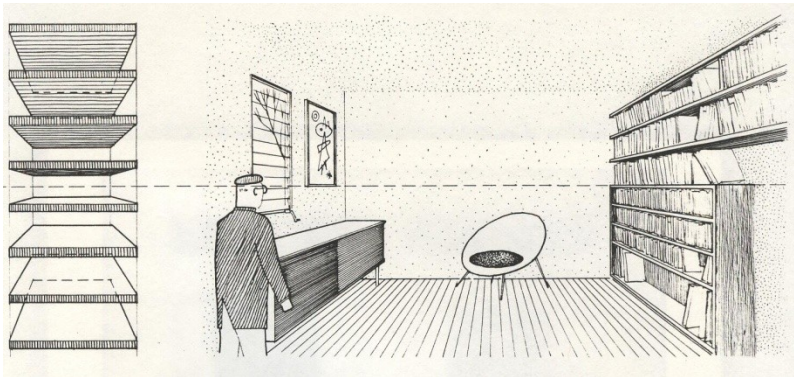
Eye Level / Horizon Line / Vanishing Line



- ▶ A straight and horizontal line that is always on the same level as the observer's eyes.
- ▶ Usually 5' up from the ground plane or floor.
- ▶ Vanishing points for all horizontal lines in a given drawing are located on this horizontal line.

Understanding Perspective

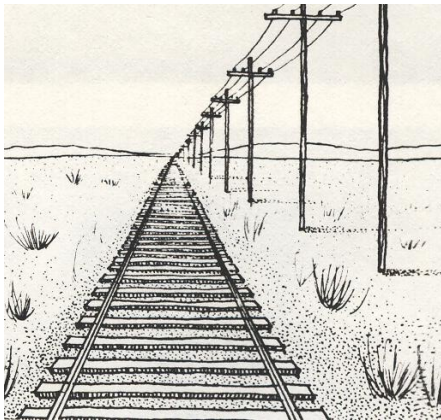
Choosing an Eye Level



- ▶ Horizontal planes will show their undersides when above eye level, and their tops when below eye level. At eye level they foreshorten altogether and appear as simple lines.

Understanding Perspective

Vanishing Points

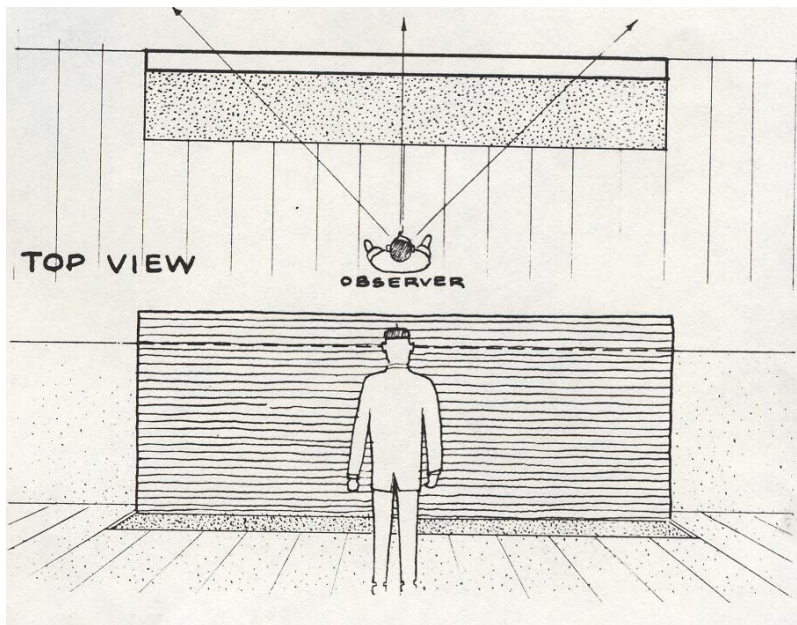


- ▶ Any 2 or more lines that are in reality parallel will, if extended indefinitely, appear to come together or meet at a point - the vanishing point of these lines.



Understanding Perspective

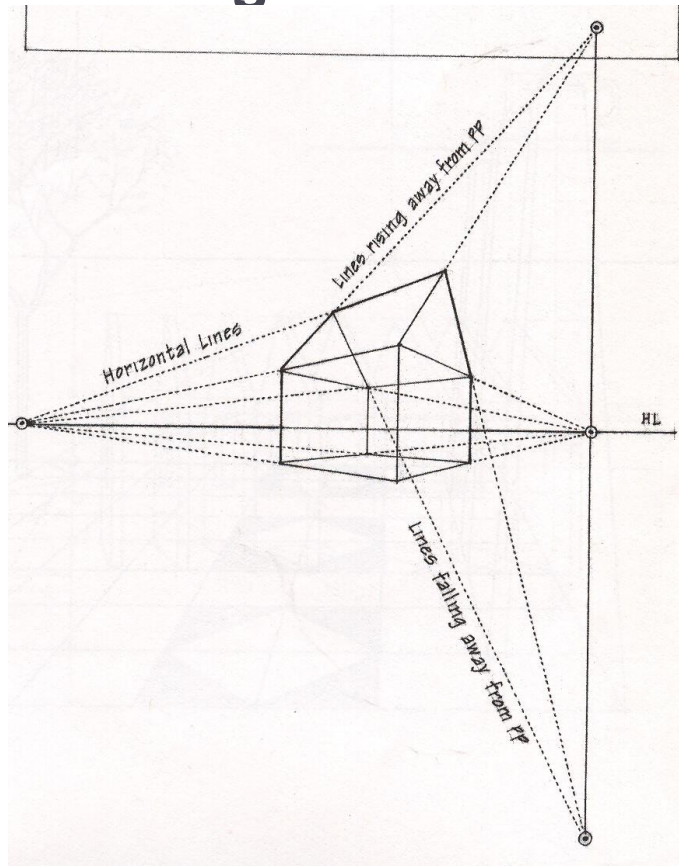
Vanishing Points



- ▶ The only exception to this occurs when the parallel lines are also parallel to the observer's face and to the picture plane. In this case, they neither recede nor converge and therefore do not have a vanishing point.

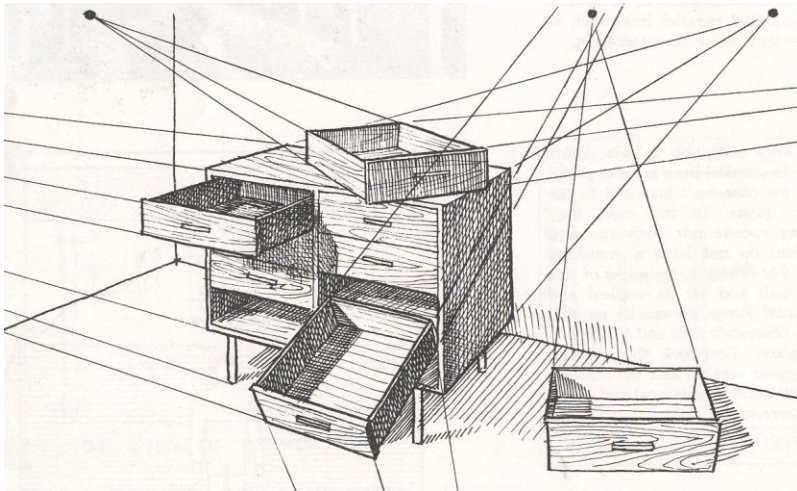
Understanding Perspective

Vanishing Points



- ▶ Lines oblique to the picture plane
 - ▶ If oblique to the picture plane, a set of parallel lines will appear to converge toward a common vanishing point as it recedes.
 - ▶ Horizontal oblique lines will vanish somewhere on the HL.
 - ▶ Inclined oblique lines slanting upward will vanish above the HL.
 - ▶ Inclined oblique lines slanting downward will vanish below the HL.

Understanding Perspective



- ▶ Regardless of direction, each set of parallel lines will converge toward its own vanishing point.