Two-point quick eyeball method

Using grid Method
Objectives

- Two-point eye-ball using grid method

Homework

- 10’ by 18’ interior room
- Living room
- 2 windows
- Lighting on ceiling
Two-point eye-ball grid method

- Start with THL (8’), HL, RVP and LVP
- Set up your Base or working line
- Mark your measuring points left and right on base lines
Two-point eye-ball grid method

1. First, draw THL (8’), HL, VP left and right
2. Then draw Base line or working line (mark your measuring points 10’ to left and 18’ to right proportional to the THL starting from bottom of THL)
Two-point eye-ball grid method

3. Construct your ceiling and floor lines on the right and left walls by connecting the top and bottom of the THL to opposite VPs
10’ by 18’ room – find the right and left walls

4. Draw a faint line from the RVP to the right wall 18’ base line and repeat left wall 10’ from the THL point to the left side (Same measurement can be found from the working line)

6. Now draw a faint straight vertical line from the 18’ and 10’ marks floor line to the ceiling line to the desired measurement
Homework 1 - base from floor plan

- Now base on this floor plan – draw an accurate plan (using the previous perspective)
  - Sofa – 108”w x 36”d
    - Back seat 32”h, seat 18”h
    - Sofa arms 26”h
  - Chair – 36”w x 30”d
    - Back seat 32”h, seat 18”h
    - Chair arms 26”h
  - Coffee table – 60”w x 42”d x 18”h
  - End tables – 18”w x 36”d x 18”h
  - Between sofa/coffee table clearance 18”
  - Between chair/coffee table clearance 24”
  - Between sofa/wall 6”
  - Between sofa/end table 6”

- Include all the furniture and window openings 5’, window sill 24” AFF, and 1’ from the ceiling
Stage one

- Draw the 8’ THL with appropriate scale to the plan and HL to 5’-3”
- Locate the LVP and RVP
- Then create the right and left walls from opposite VPs
- Now, construct the base/working lines with measuring points then locate all the furniture based on the previous floor plan
Stage two

- Draw all basic shape of furniture on the floor
- First, locate the end table
  - Measuring from the base line
  - 36” from left wall and 6” from right wall
- Extend faint lines from both VPs to the measured points on base line to form all the corners of the end table on the floor
Stage two

- Then find the height for the end table 18” h
  - Find end table 18” H at THL and then extend faint lines to both VPs
  - Draw a vertical faint lines on corner of the end table mark to meet with the previous 18” H faint lines
Stage three – complete the rest of the furniture

- Given height: 18” end table, 18” coffee table, 18” seat height and 32” back rest (sofa and chairs), window sills 24”
Stage four

- Draw faint lines – measure all furniture dimensions on the floor plane refer from the BL and then find all the heights from the THL
- Draw vertical lines from all furniture from the floor to intersect with the height of faint lines from the floor
Stage five

- Block the furniture into their forms before providing details
Stage six

- Draw the windows – give depth to both windows
Stage seven

- Add details to the furniture
Stage 8 - add objects in and on the ceiling

- Add a row of three recessed lights along the right wall directly above the sofa and two recessed lights along left wall directly above the chairs
- Tip: first construct a square (recessed lights)
- Recessed lights location – distance between lights are equally spaced