Developing 1 point Perspective using a Grid Method using orthographic drawings
Exercise - Grid method

- Variety format of grid system available (One or two-point perspective)
- Given orthographic drawings
  - One-point grid
  - Section, elevation, and plan
  - Scale given

Scale: $\frac{1}{2}''$-1'-0"

SECTION A-A

ELEVATION VIEW

PLAN VIEW
Scale 1/8"=1'0"

DROP CEILING
Stage 1 – finding room dimension (3/8” scale)

- Find the height of the room, ceiling height 8’
- Start with the THL 8’ – THL, HL, and VP provided
- Draw the back wall – 8’H by 17.5’W
  - Each unit is 1’
- Count over 17.5 units for the length of the room from back wall corner C to D
  - Complete drawing the back wall
- For the depth of the room, count 11.5 units (from C towards the VP from B)
Stage 2 – finding room dimension (3/8” scale)

- For the depth of the room, count 11.5 units (from C towards the VP from B)
- Complete drawing the right and the left ceiling and floor lines to 11.5 units (feet)
Stage 3 – finding room dimension (3/8” scale)

- Draw the 1’ dropped ceiling
  - Refer to the THL and find the location of the dropped ceiling from the plan and elevation

- Then draw the sliding doors
  - Refer to the plan and elevation for location and height
Stage 4 – Draw kitchen and dining area (3/8” scale)

- Start to block the plan view layout on the floor of the grid
  - like the kitchen area, island, and dining area

- Refer to the plan, section, and elevation for location and height
  - For height always refer back to the THL
Stage 4 – block the plan on the grid (3/8” scale)

- First block the plan view layout on the grid
  - like the kitchen area, island, and dining area
  - All measuring are done on the plan except heights from section and elevation

- Start with the kitchen on your left then the island and lastly the dining area
Stage 5 – blocking in boxes

- Start with the cabinet – 36”H from THL, then take the height to the VP
- Bring each corner of the cabinet up to intersect with the height
- Repeat for each cabinet, table, chair, sliding doors
- Show details and line weights
Homework 1 – show details (no accessories)