

CEE 130 – Introduction to Architecture Studio

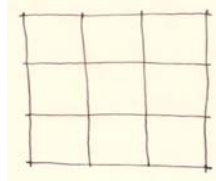
Exercise: Grid Design Drawings
Description

OBJECTIVE

2D warm-up exercise for the 3D Ordering a 9-Square Grid Assignment.

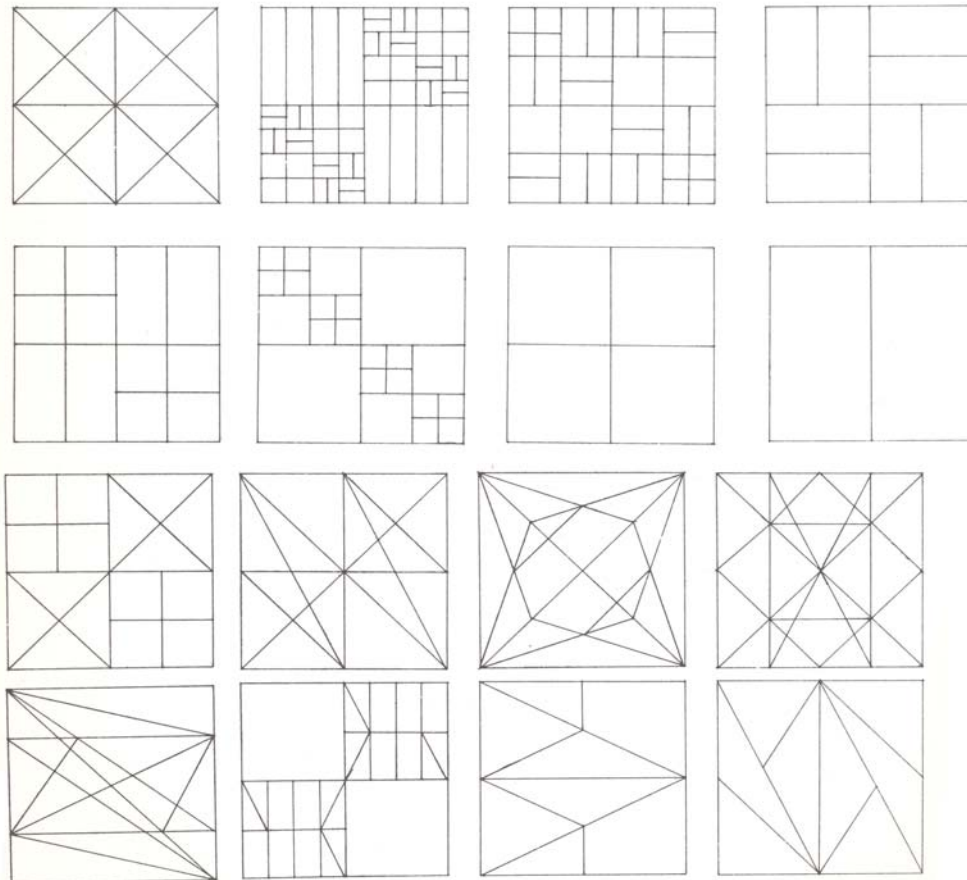
Step 1

Draft (use parallel rules or T-squares and triangles) on tracing paper to layout 9 squares – each 6'x 6' (using 1/4" = 1'-0" scale).



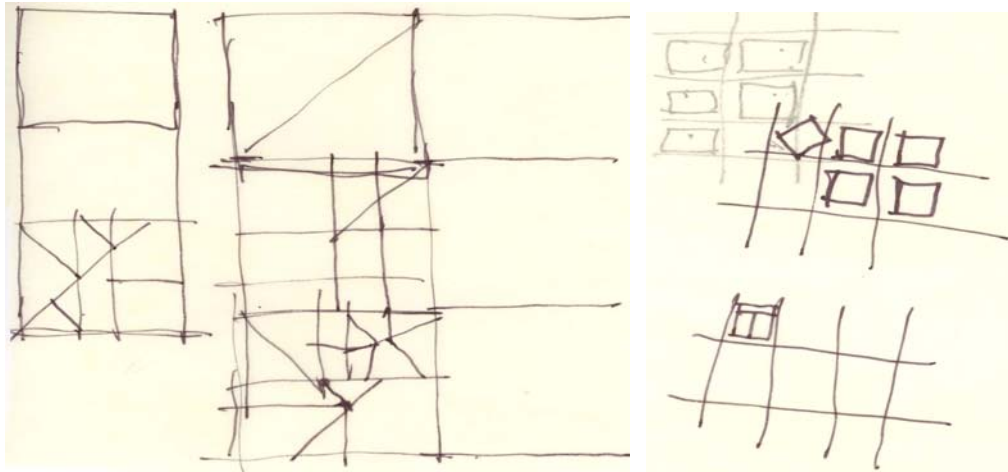
Step 2

Subdivided square: On construction paper layout one square at 6'x 6' (using 1/4" = 1'-0" scale) Using your white pencil, divide the square in some proportionally or geometrically logical way. See a seemingly infinite number of ways of dividing a square below. Cut the divisions up and recombine the pieces on one square of your drawn grid.



Step 3

Study the following variables by making freehand drawings on trace paper over the drafted grid.



- **Subtract** – Remove one square from the grid or portions of your subdivided square that you created in step 2.
- **Intervention** – Impose an unfamiliar profile as compared to the square (i.e., in size and/or shape) onto the grid and then accommodate how the intervention impacts on the existing in an aesthetically pleasing way (e.g., by way of proportional divisions, symmetry around an axis, etc).
- **Rotation** – Rotate one square (or portions of your subdivided square) off the grid.
- **Collision** – Explore the collision of two squares (Note: reference last page of reader for these last three design strategies – p. 102).

Deliverables

Finish three favored schemes based on your process of discovery that must include at least 20 diagram trials. We encourage you to extend your study beyond the assignment by combining the study variables in any way. That is, after you have followed the instructions above, you may define your own variation of the constraints; for example, you may decide to rotate two squares or collide 4 of the squares, or use only subdivided parts, etc.

