

FOR  
ARCHITECTS  
OF ALL  
AGES

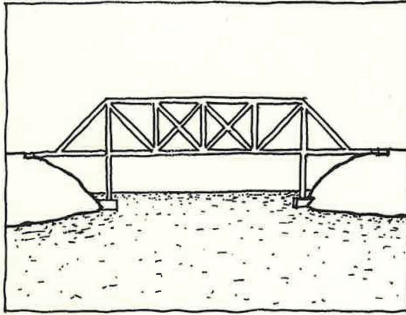
# ARCHI- DOODLE

AN ARCHITECT'S ACTIVITY BOOK

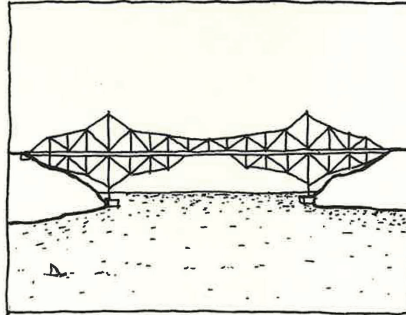
STEVE  
BOWKETT

Here are a variety of different **bridge designs.**

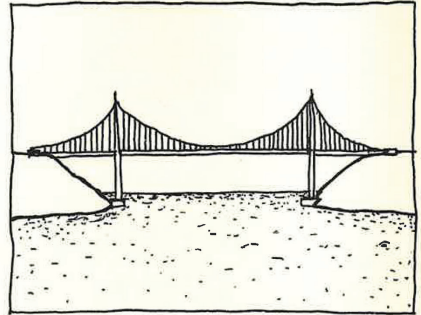
*Use their structural principles to help you design a new bridge to expand this town across the sea...*



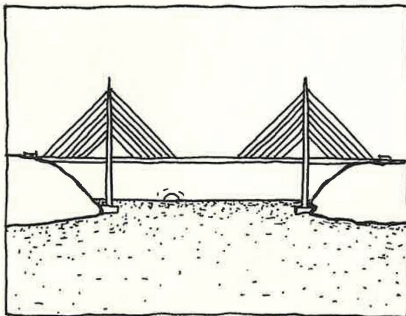
Truss bridge



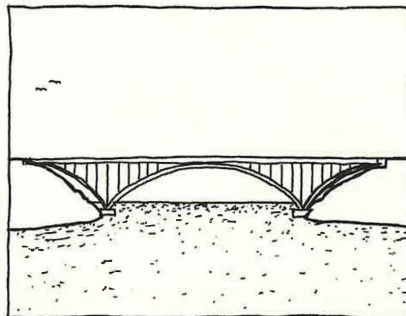
Cantilever bridge



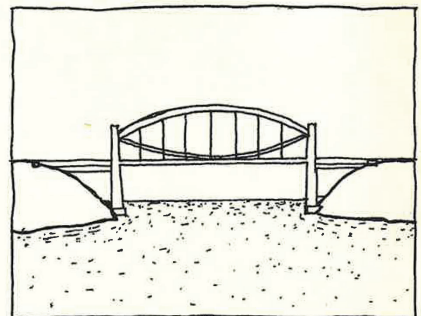
Suspension bridge



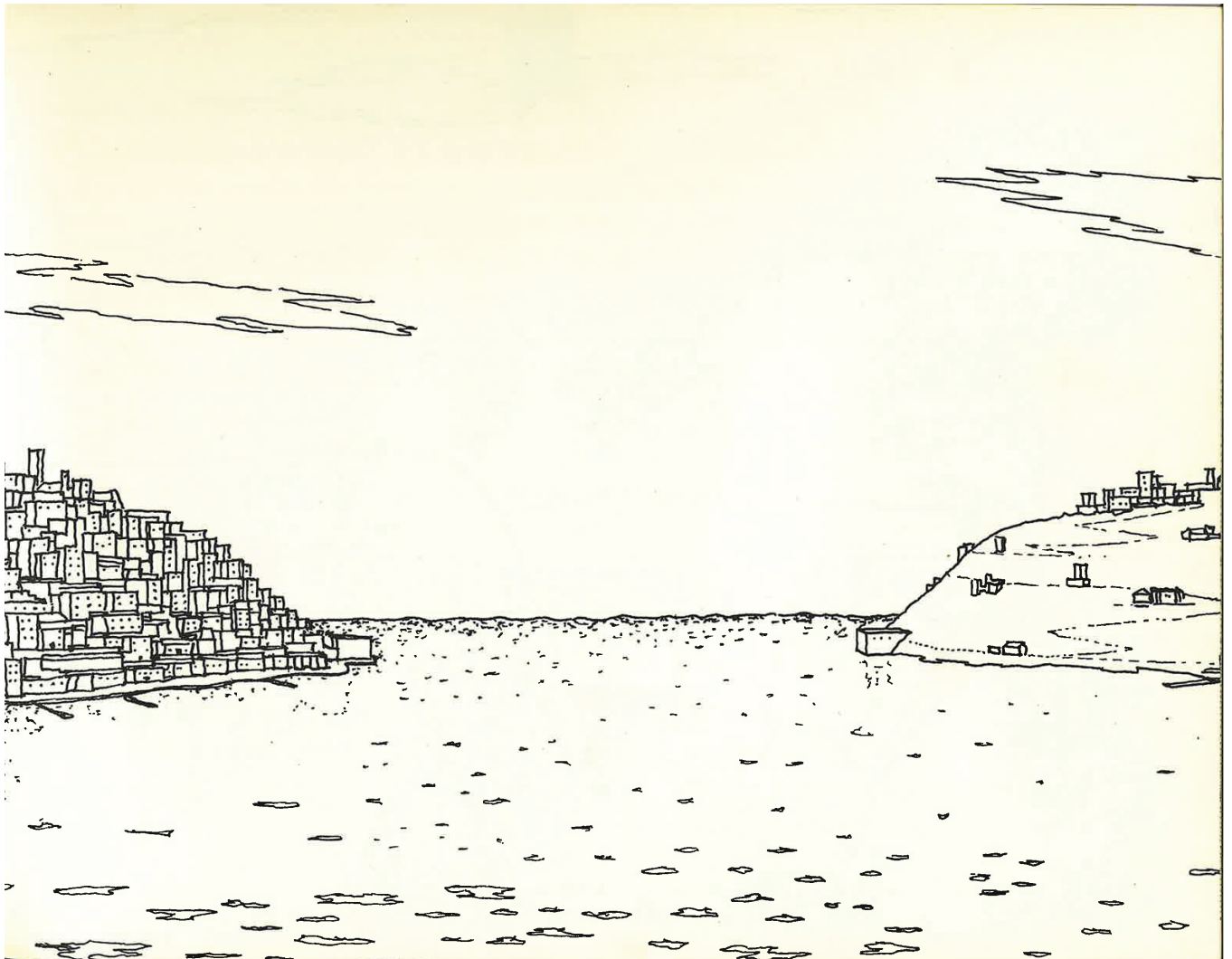
Cable-stayed bridge



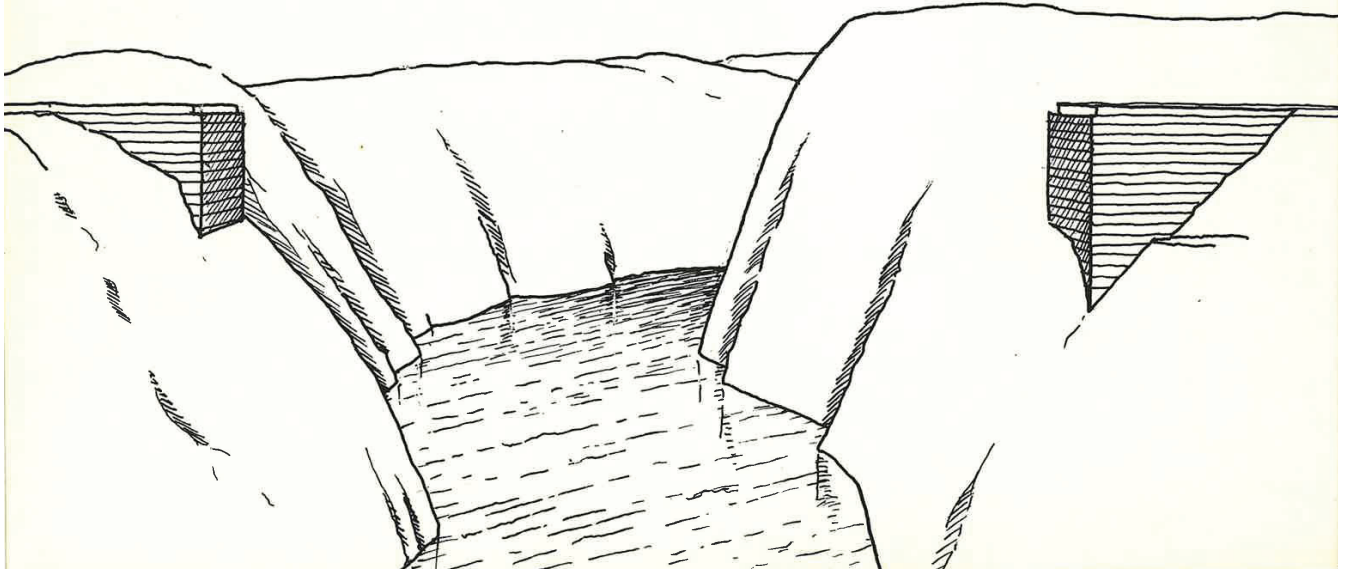
Arch bridge



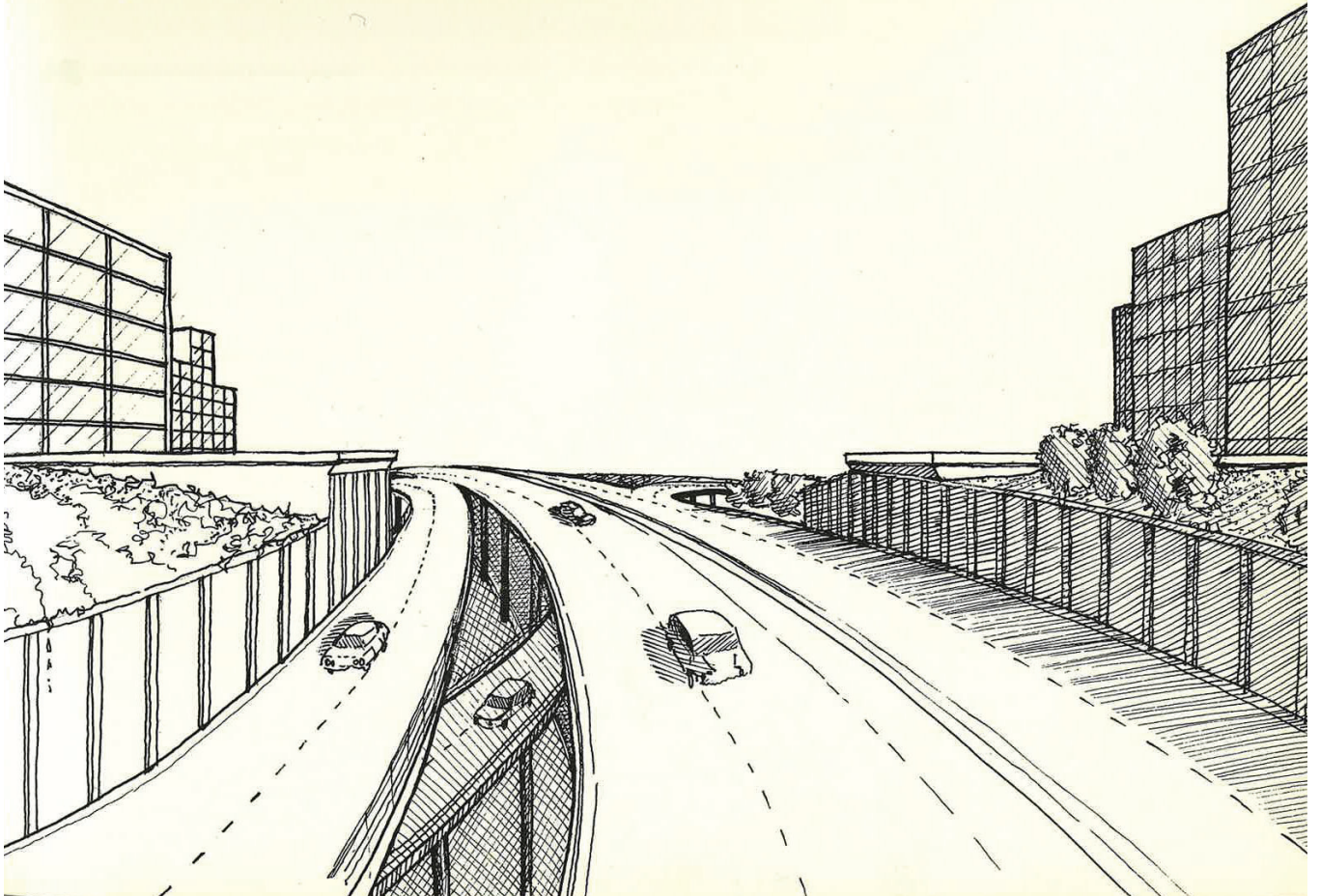
Lenticular-truss bridge



Create a bridge over a wide river...

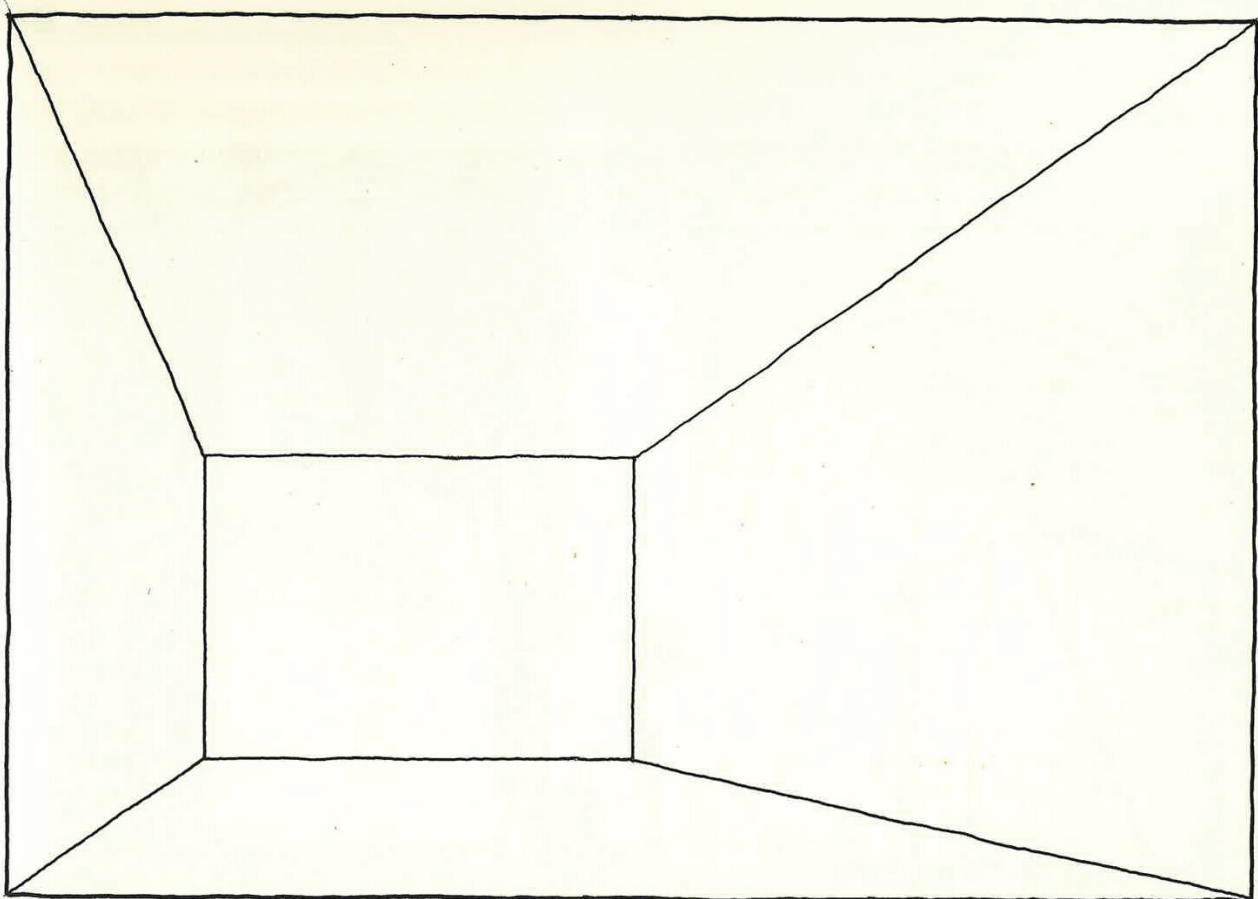
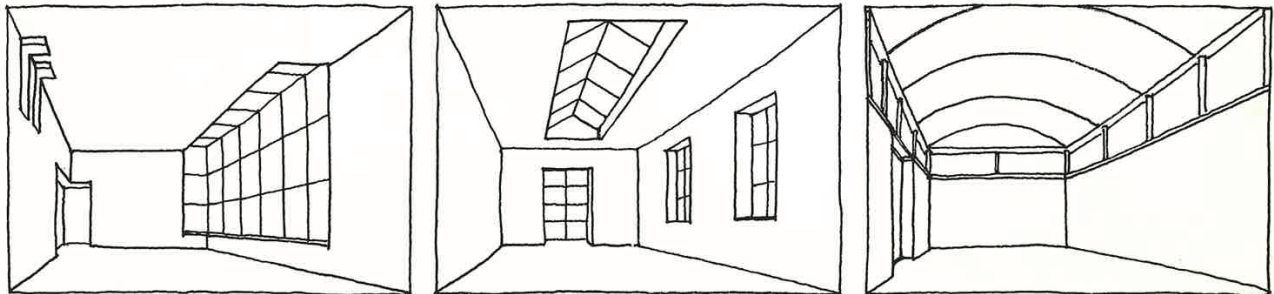
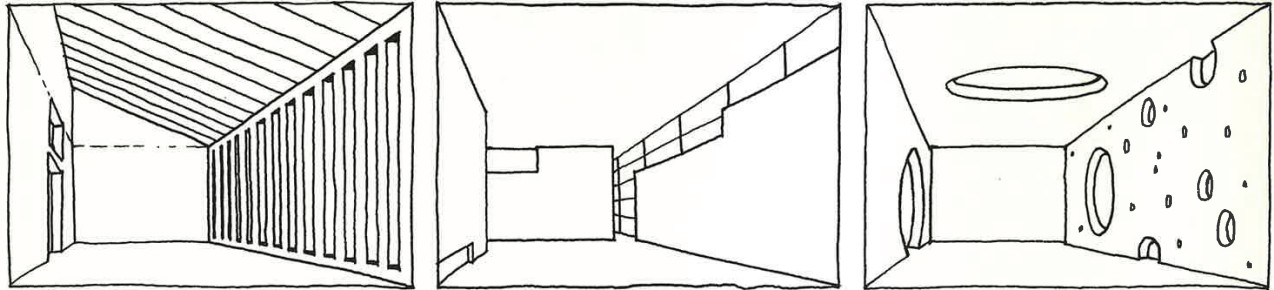


And over a highway...



Here are six examples of how the same room can be altered to **manipulate light** and space using different forms of window opening.

*Use the same interior room proportion to draw your own ideas...*



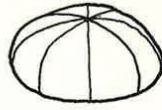
When designing the **roof of a building** here are a variety of forms to consider.



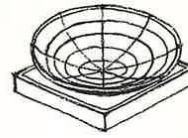
*Dome*



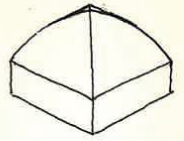
*Conical Dome*



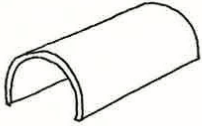
*Flat Dome*



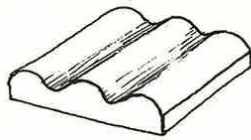
*Inverted Dome*



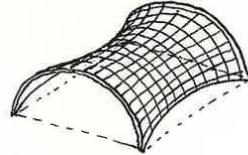
*Vaulted*



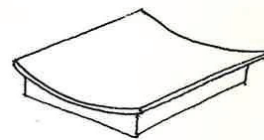
*Barrel Vault*



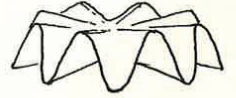
*Multiple Barrel*



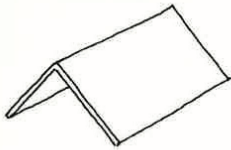
*Hyperbolic*



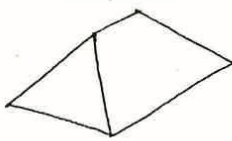
*Saddle*



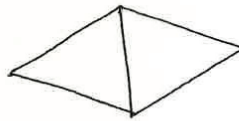
*Hyperbolic Paraboloid*



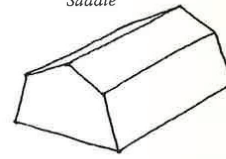
*Gable End*



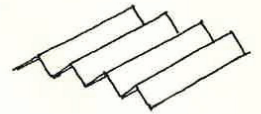
*Hipped*



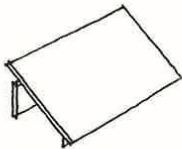
*Pyramidal*



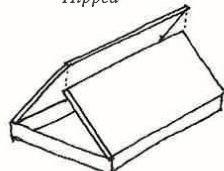
*Mansard*



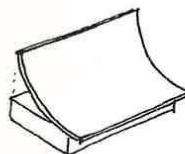
*Folded Plate*



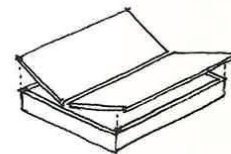
*Monopitched*



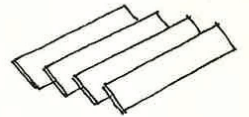
*Scissor*



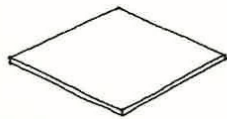
*Monopitched Bow*



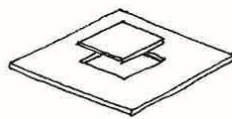
*Butterfly*



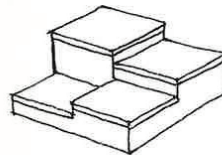
*Saw Toothed*



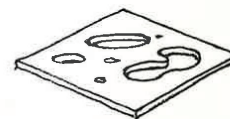
*Flat*



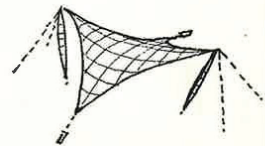
*Lantern*




*Stepped*



*Perforated*



*Tensile*

Can you come up with some other roof types? 

*Draw a house by a river...*



*or in the mountains...*

