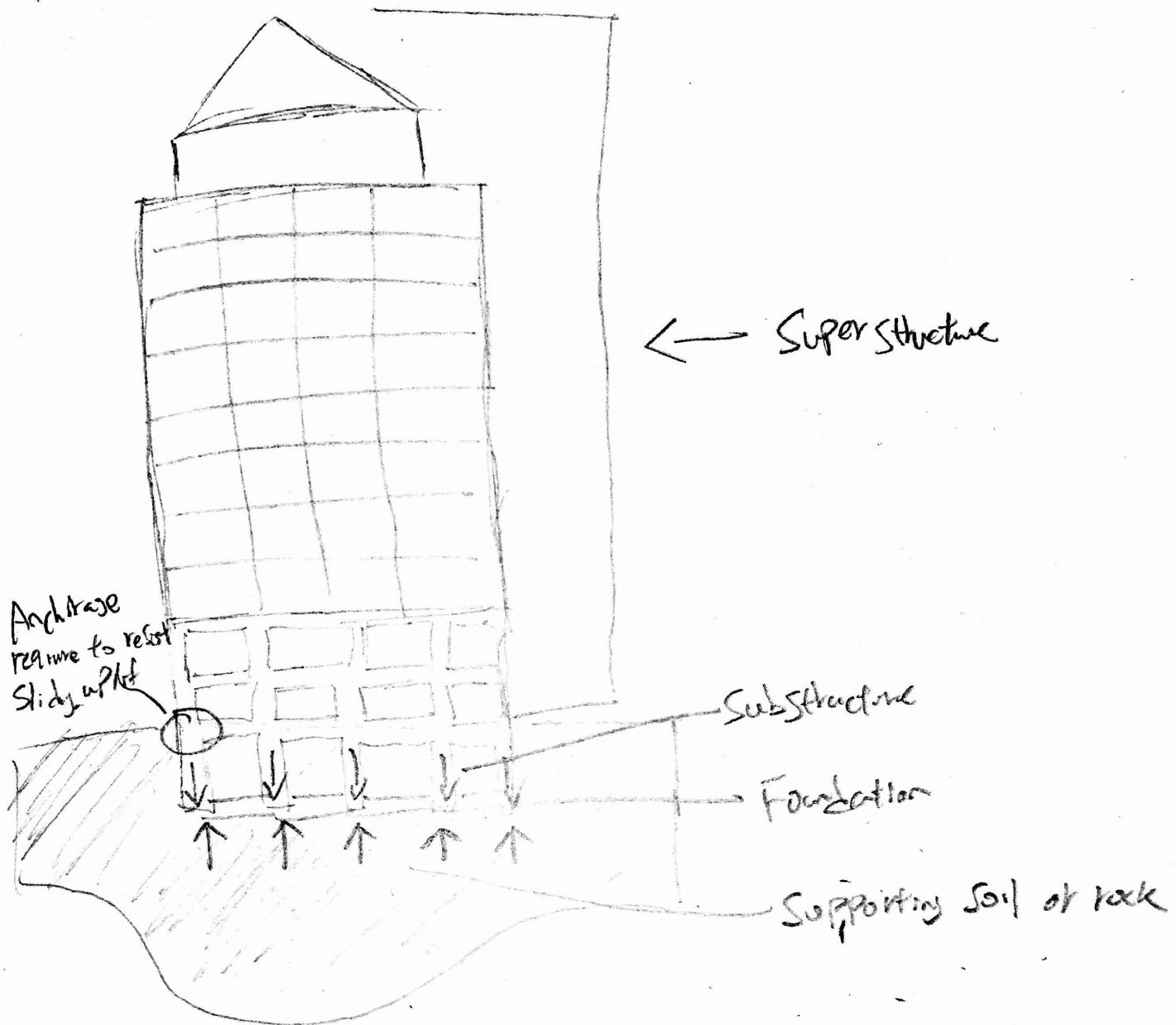


# Foundation System



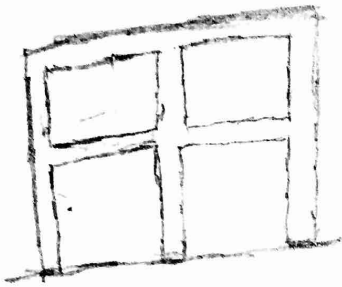
- Shallow Foundation
  - Stable Soil occurs near to the ground surface as the requirement
  - Can be placed directly below the lowest part of a substructure
- Deep Foundation:
  - When Soil is unstable,
  - Going deep to the rock and Sand
- Concrete having minimum compressive strength of 2500 psi at 28 days
  - Used as Reinforcement

# Site work & Shallow foundation

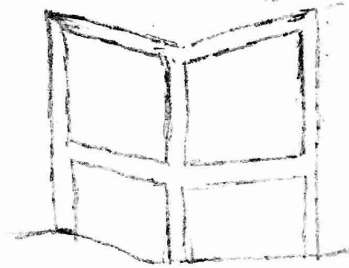
Bedrock  
Dirt

Geo-technical engineer

- Uniform Settlement



- Differential Settlement



## Foundation

1. Must be safe against structural failure that could result in collapse
2. Must not settle during lift of building in such a way that would damage structure or impair function
3. Must be feasible, economical & practical (with no impact on neighbors)

