Class #4 Lab:

Foundation drawings

Case Studies

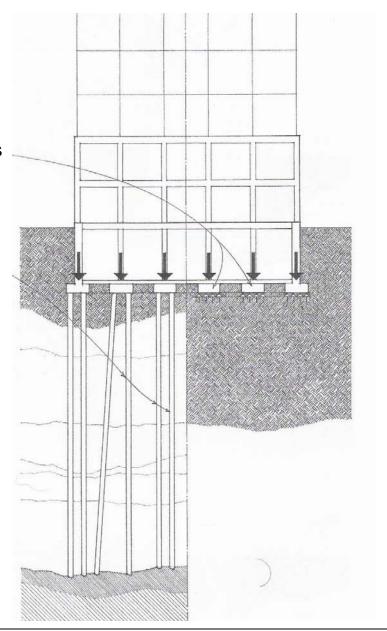
1230- Building Tech II NYC College of Technology

Professor: Daniel Friedman AIA LEED AP

Fall 2012

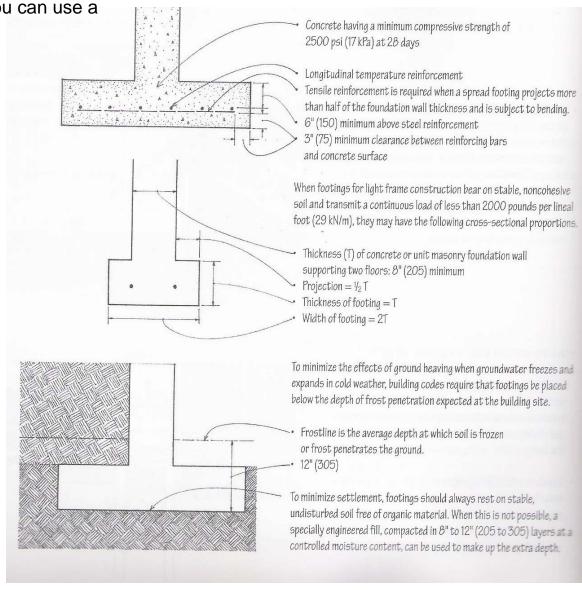
Shallow Foundations

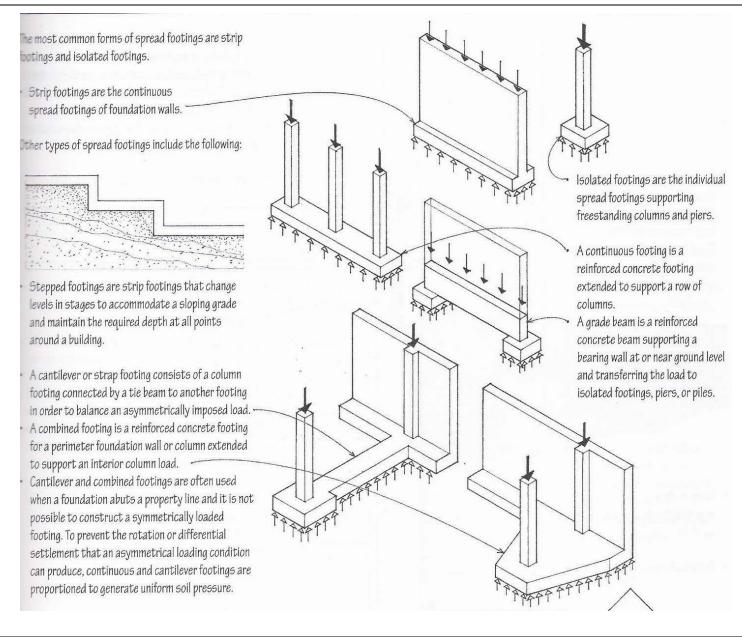
Deep Foundations



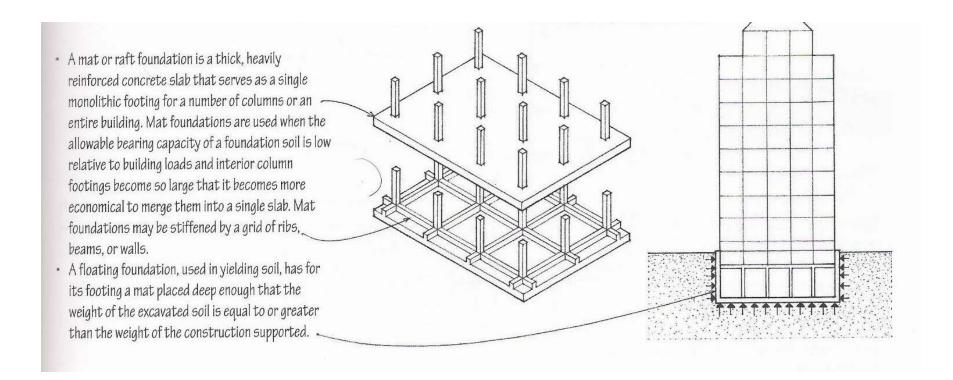
If you have stable soil close to the surface that can carry the weight of the building, then you can use a

Shallow Foundation...

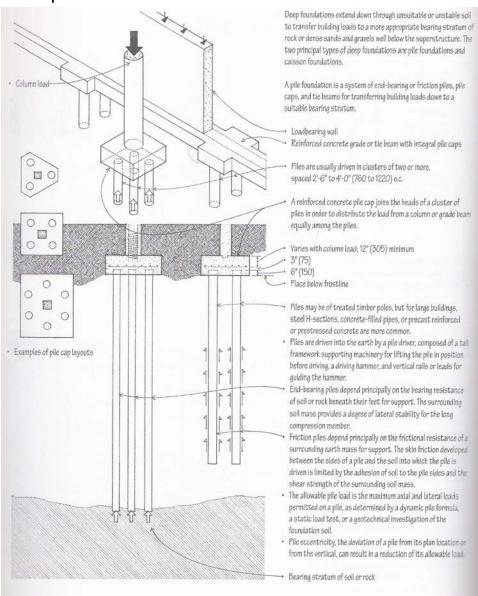




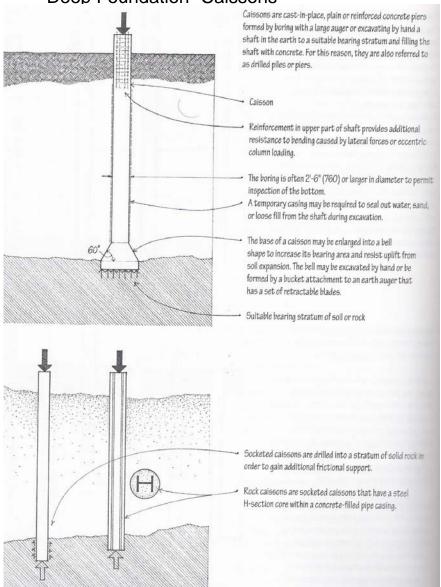
If the soil under the building is unsuitable for carrying the building weight, and stable soil is too far down below the building, then you can use a **mat or raft foundation**...



Deep Foundation-Piles



Deep Foundation- Caissons



Foundation Walls

