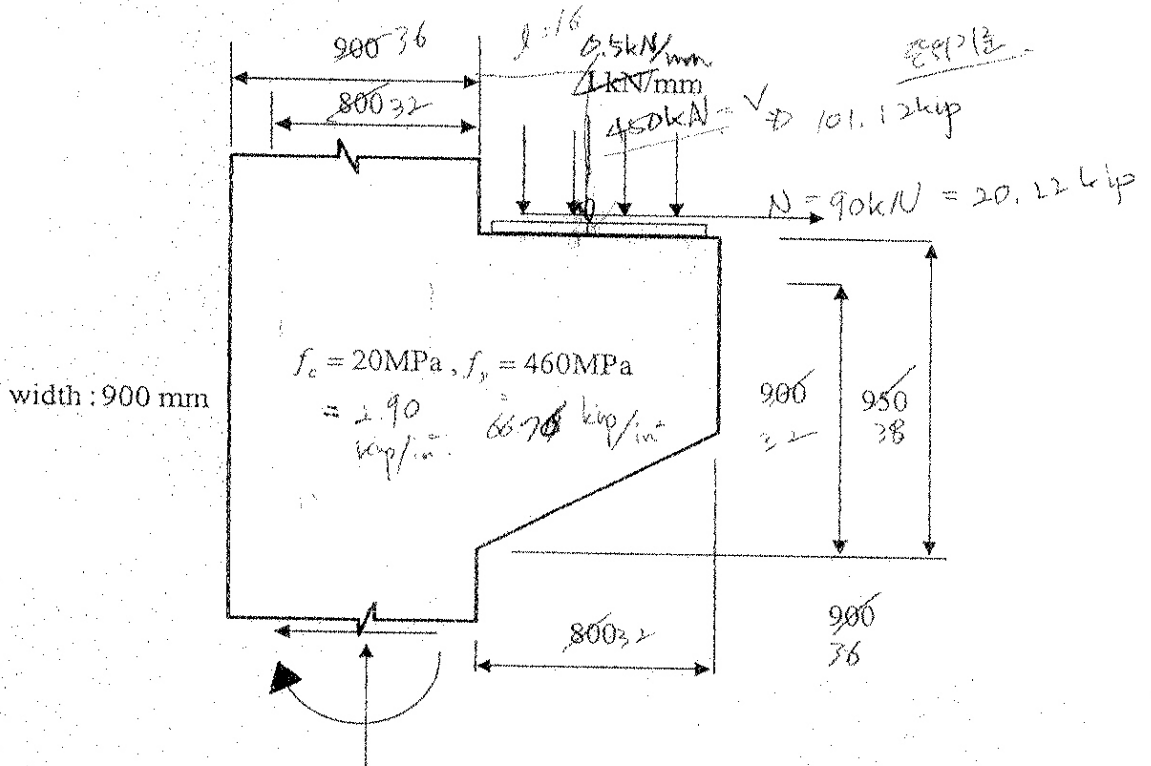


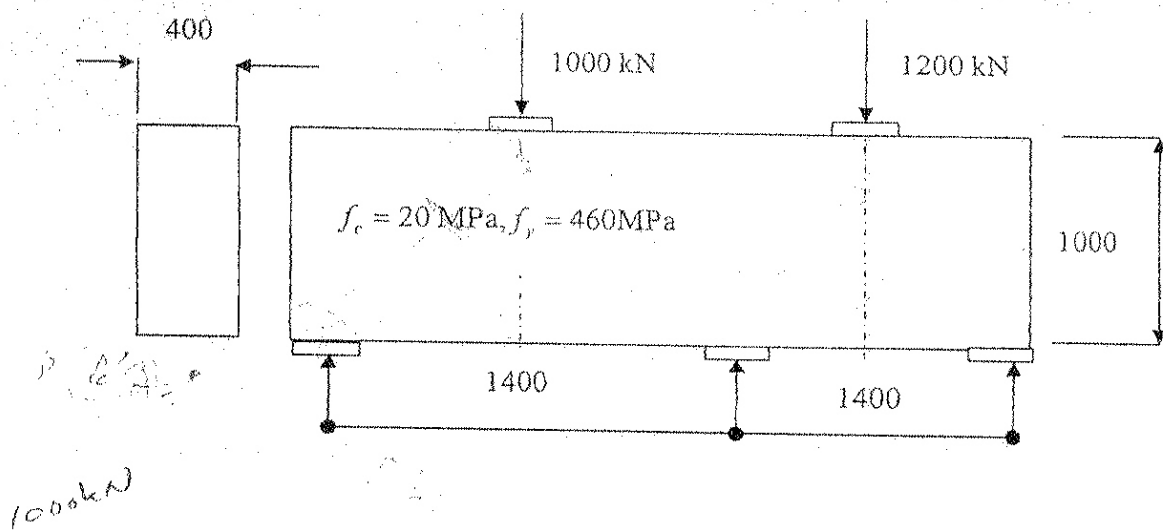
Concrete in Plasticity

Midterm Exam 2005-11-3

- Design the following bracket under a uniform vertical load and the horizontal load of 20% of the vertical factored load using a strut-and-tie model by the iteration method. Check the strength of components and nodes only by ACI 318-05.



- Design the following continuous deep beam by STM.



3. By the load path method draw a strut-and-tie model for the post-tensioned anchorage zone. And then compute forces in components.

