

CE 4010/6010

Homework #12

Assigned: Tuesday, March 04, 2014;
Due: Tuesday, March 11, 2014; end of class

Homework must be done neatly in pencil, on 8 ½" x 11" paper, stapled together. Each step must be easily followed; diagrams are useful. State your assumptions. Homework that is not neat and legible may be rejected. Staple the question sheet to the front of your homework.

Make Sure To Include The Cover Page!

Problem 1: (100 points) Prepare a model for a single bay of the stadium using SAP2000. In this homework, our objective is to complete the geometric model. Hence, you are asked to enter the correct information regarding the cross-sectional dimensions of each member.

However, for now, you can enter approximate, representative (i.e. place-holder) values for material properties. We will have a separate homework specifically focusing on the material properties next week.

Note: I strongly discourage you from trying to import AutoCAD into SAP2000. Using AutoCAD drawing as a reference will (in my experience) be more effective.