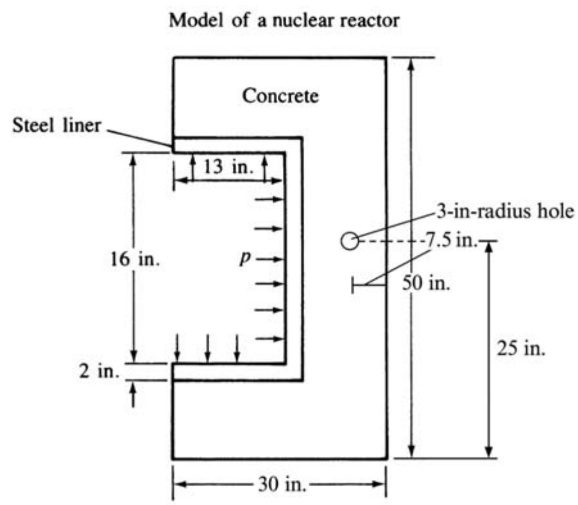
Design Using FEM
HW-8 (using Algor)
Due on 11-08-04

1. Perform a stress analysis of the pressure vessel shown below. E=5E06 psi and Poisson ratio is 0.15 for concrete and E=29E06 psi and Poisson ratio is 0.25 for steel liner. The steel liner is 2 in. thick and pressure p=500 psi.



2. For the die casting shown below, determine the maximum stresses and their locations. Let E=29E06 psi and Poisson ratio is 0.25.