

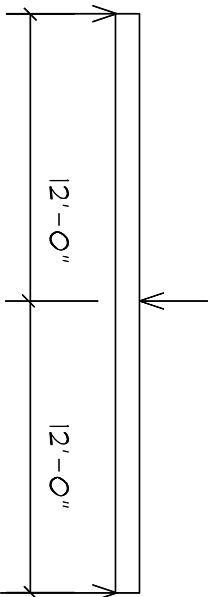
Arch 251 – Structural Analysis for Architects – Test #2

6. Design a timber beam for the conditions indicated.

The beam is to be a solid Doug-Fir North, Beams and Post (No. 1)
Neglect the weight of the beam and limit the deflection to 0.80".

Show all calculations and select the most economical member. (10 pts.)

3000 lb



A = _____

B = _____

Answer: Beam size _____