

Problem 3: Determine the locations along the beam (measured from the left-hand support) where following spacings can be used:

- a) 10"
- b) The maximum spacing S_{max}
- c) The location where stirrups are no longer required

NOTE: The beam has symmetric loading. Thus, you only need to locations between the left- hand support and the centerline of the beam.

Problem 4: Draw a construction detail for the stirrup spacings you determined in Problems 1-a and 3, and draw the capacity-demand (C-D) diagram for the beam. This is similar to what I did in class on the last example. Lastly, assume the first stirrup is located 4" from the left-hand support. Only show the detail and the C-D diagram between the left-hand support and the centerline of the beam.