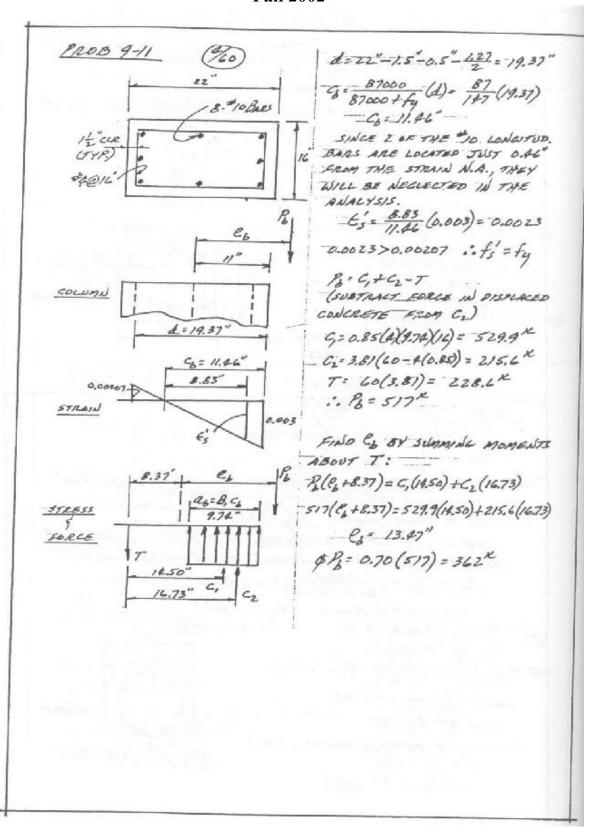
ENCE 355 – Introduction to Structural Design SOLUTIONS to Homework Set No. 8 Fall 2002



PROB #2-1

1.
$$L = (1.4)(1200) = 1680 \text{ lbs}/ft$$

2. $L = (1.2)(1200) + (1.6)(720) = 2592 \text{ lbs}/ft$

3. $L = (1.2)(1200) + (0.5)(720) = 1800 \text{ lbs}/ft$

4. $L = (1.2)(1200) + (0.5)(720) = 1800 \text{ lbs}/ft$

5. $L = (1.2)(1200) + (0.5)(720) = 1800 \text{ lbs}/ft$

6. $L = (0.9)(1200) = 1080 \text{ lbs}/ft$

7. $L = (0.9)(1200) = 1080 \text{ lbs}/ft$
 $L = 2592 \text{ lbs}/ft$
 $L = 2592 \text{ lbs}/ft$