

DEPARTMENT OF CIVIL ENGINEERING
ITER, SoA University
Reinforced Concrete Design (CVL4121)
Minor Assignment 4

1 Analyze the figure given below.

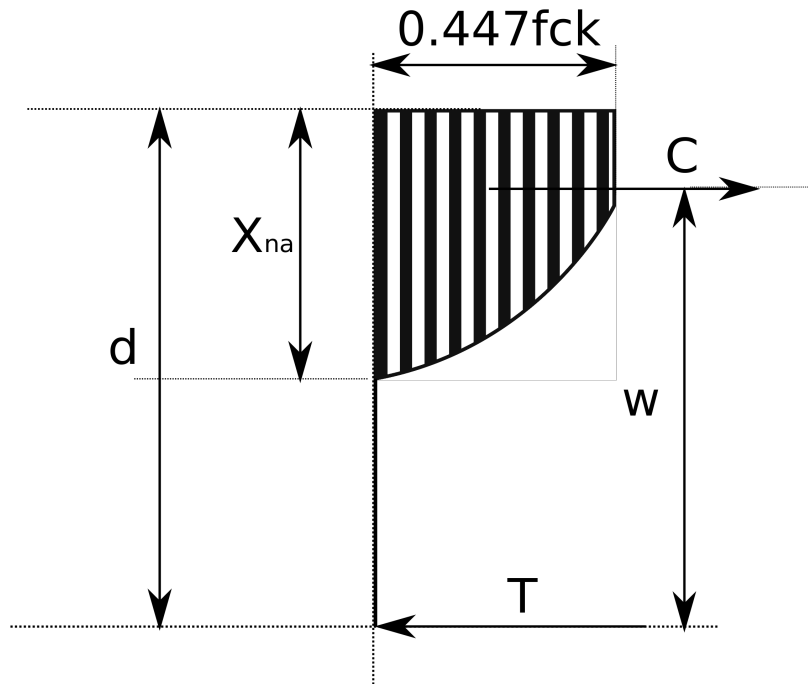


Figure 1:

- Find out the area of the shaded region using integration.
- Find out the centroid (center of area/mass) of the shaded area using integration (where resultant C acts).
- Report the lever arm for allowable moment (distance between C and T).

Refer page number 90-92 of textbook.