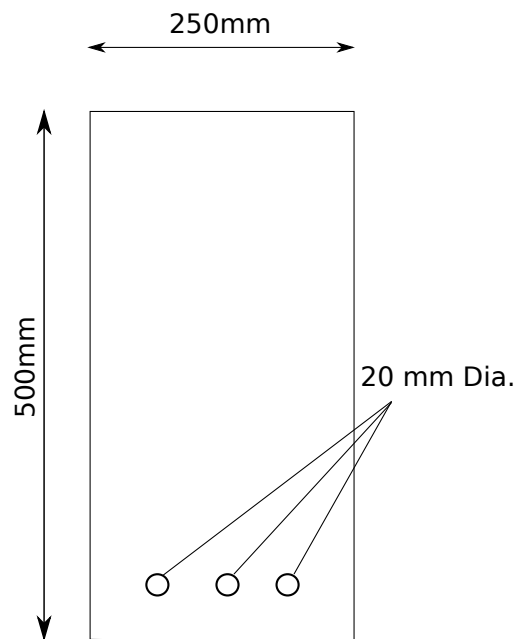


DEPARTMENT OF CIVIL ENGINEERING
ITER, SoA University
Reinforced Concrete Design (CVL4121)
Minor Assignment 2

- 1 Using working stress method, analyze the section given below for M30 concrete and Fe415 steel. Nominal/clear cover to be used for severe condition (IS 456-Table 16).



- Find out if section is under-reinforced or over-reinforced using **Equation 4.23** in textbook.
- Find allowable moment for above case.
- Calculate stresses in steel and concrete for applied moment of
 1. 30kNm (Assume section is uncracked)
 2. 120kNm

Refer Example 4.1, 4.2 and 4.3 of textbook