

LECTURE 3

* STRUCTURAL ENGINEERING *

STRUCTURAL ENGINEERING - A SPECIALITY WITHIN THE FIELD OF CIVIL ENGINEERING - FOCUSES ON THE FRAMEWORK OF STRUCTURES AND ON DESIGNING THOSE STRUCTURES TO WITHSTAND THE STRESSES AND PRESSURES OF THEIR ENVIRONMENT AND REMAIN SAFE, STABLE AND SECURE THROUGHOUT THEIR USE.

WHAT DOES A STRUCTURAL ENGINEER DO?

THEY CREATE DRAWINGS AND SPECIFICATIONS PERFORM CALCULATIONS, REVIEW THE WORK OF OTHER ENGINEERS, WRITE REPORTS AND EVALUATIONS, AND OBSERVE CONSTRUCTION SITES.

DIFFERENT COLORS OF HARD HAT

WHITE - ENGINEERS, MANAGERS, SUPERVISORS & FOREMEN

BLUE - ELECTRICIANS, CARPENTERS, & OTHER OPERATORS

RED - FIRE FIGHTERS

GREEN - SAFETY OFFICERS & CAN BE ALSO BE USED BY NEW WORKERS

ORANGE - SAFETY INSPECTOR, BUT OCCASIONALLY USED FOR NEW WORKERS

GRAY - SITE VISITORS

YELLOW - LABOURERS & EARTH MOVING OPERATORS

Lecture Notes In Structural Engineering

Wai-Fah Chen, D. J. Han



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