

CONSTRUCTION CAREERS

2006



Presented by:

Ed van der Bogert, Chair

Edmonds Community College

Construction Management Department

Construction is more than
hammers and nails...

Today we'll look at careers in:



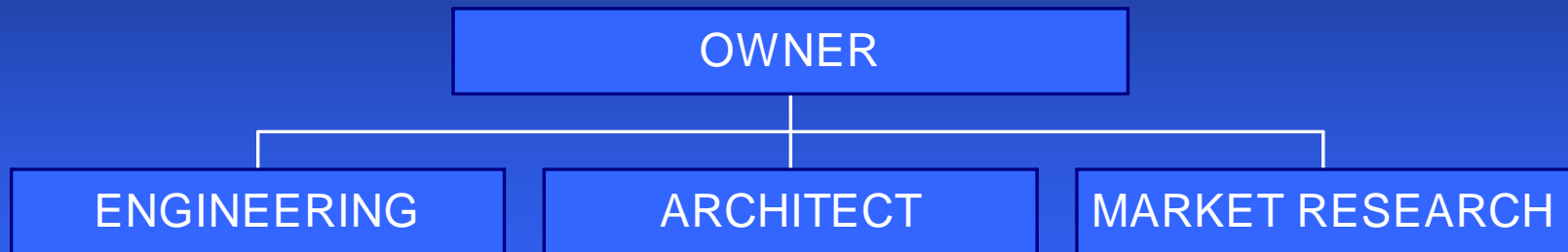
DESIGN

FINANCING

PERMITTING

CONSTRUCTION MANAGEMENT

DESIGN





ARCHITECTURE

- DESIGN
- CAD WORK
- PROJECT REPRESENTATIVE
- INSPECTOR



ENGINEERING

CIVIL / SOILS / STRUCTURAL

- PROFESSIONAL ENGINEER
- ENGINEER TECH
- SURVEYOR
- SPECIAL INSPECTOR

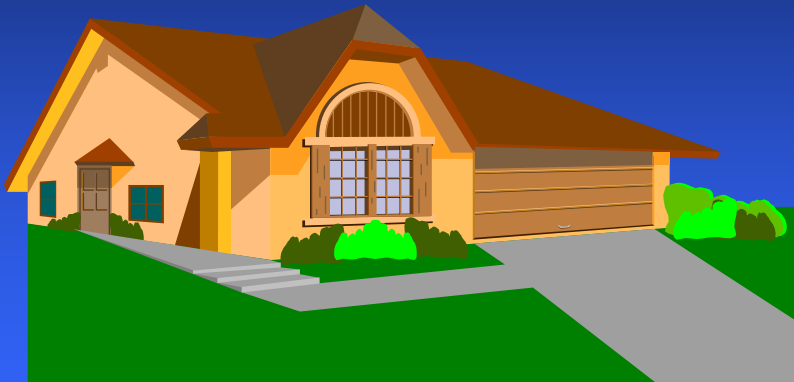


MARKETING

- MARKET RESEARCH
- PRELIMINARY COST ESTIMATOR
- “BIG PICTURE” SCHEDULER

FINANCING

- APPRAISER
- LOAN OFFICER
- BANK INSPECTOR
- TITLE WORK
- HOME INSPECTOR

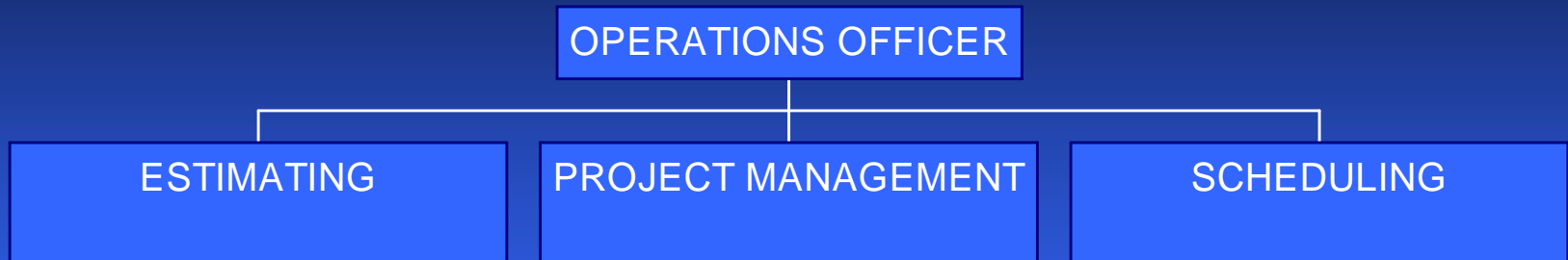


PERMITTING PLANS EXAMINERS

- GRADING
- BUILDING
- ZONING
- PUBLIC WORKS



AND FINALLY..... CONSTRUCTION !!!



ESTIMATING

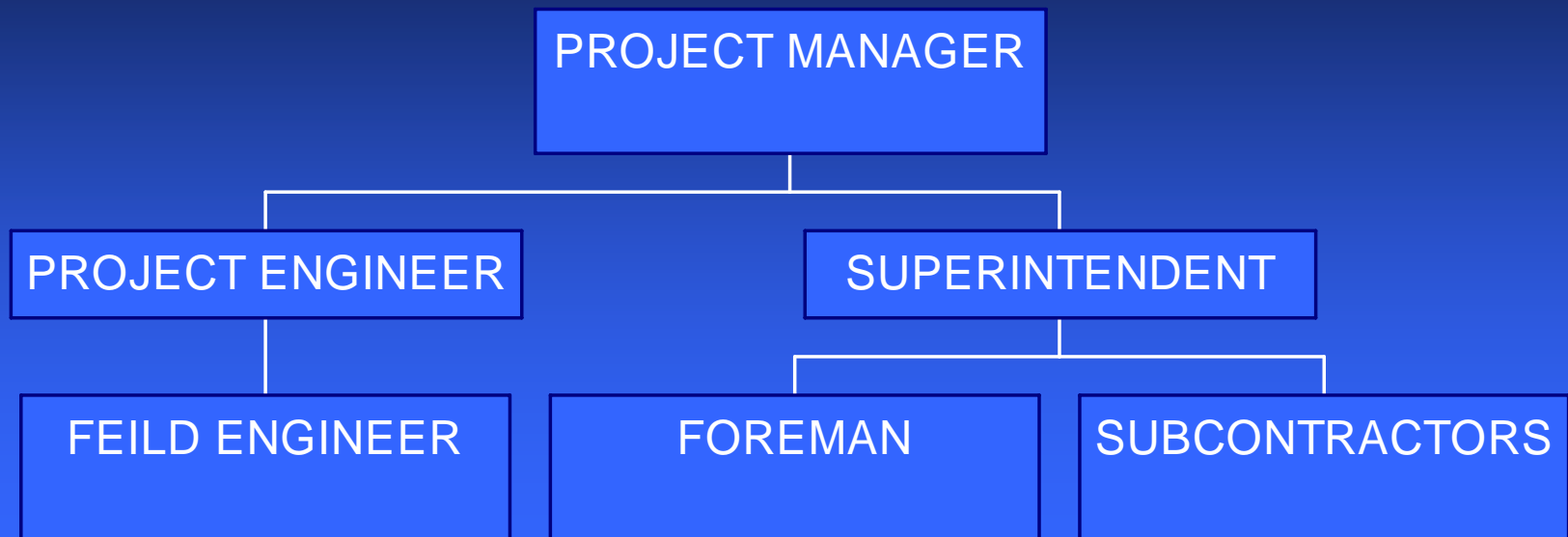
- CONTRACT DOCUMENT REVIEW
- MATERIAL / LABOR TAKE OFF
- VENDOR CONTACT
- PROPOSAL / CONTRACT REVIEW
- PRICING
- FINANCIAL DOCUMENT PREP.
- COST CONTROL
- DOCUMENTATION



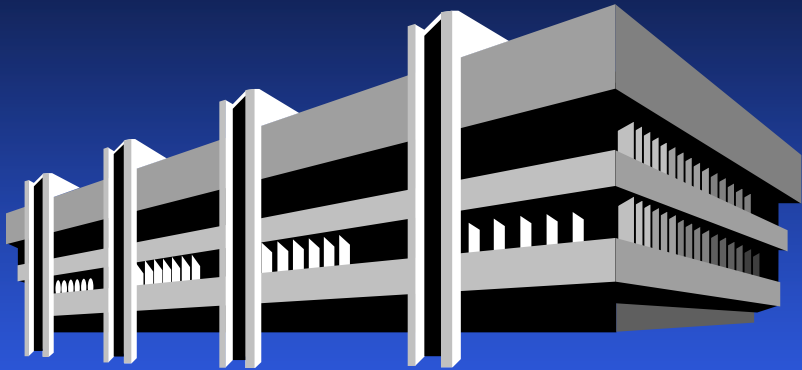
SCHEDULING

- DEFINE PROJECT PARAMETERS
- START DATES & DURATIONS
- CREATE CPM SCHEDULE
- VENDOR CONTACT
- REGULAR UPDATES
- CRISIS MANAGEMENT

PROJECT MANAGEMENT



PROJECT MANAGER



- IMPLEMENTATION
- ORGANIZATION
- COST CONTROL
- SCHED. CONTROL
- QUALITYCONTROL
- COMMUNICATION
- CONTRACT
ADMIN.

PROJECT ENGINEER

- PROCESSES AND ORGANIZES:
- SUBCONTRACTS
- SUBMITTALS
- SHOP DRAWINGS
- PAYMENT REQUESTS
- CHANGE ORDERS
- RFI'S

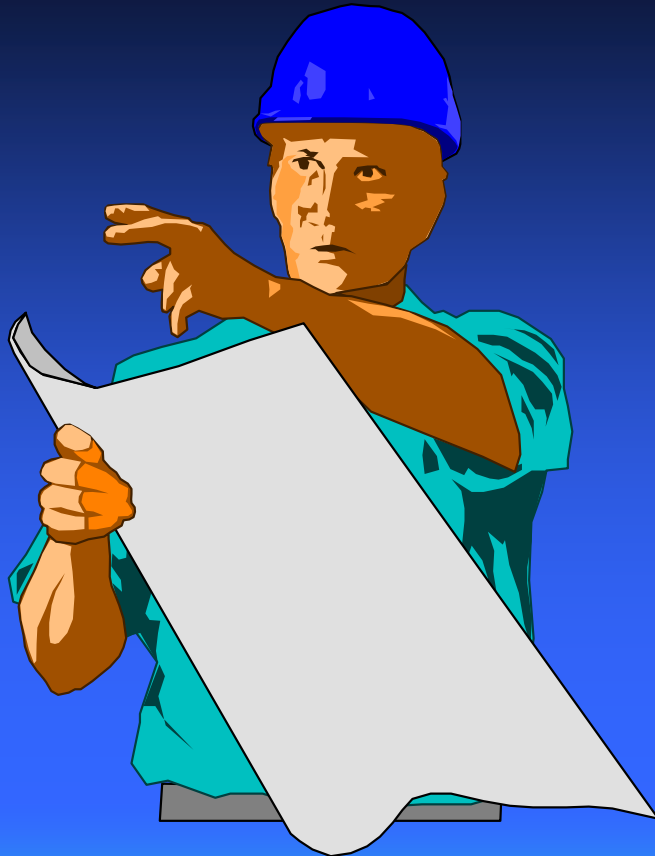


FIELD ENGINEER

- COMMUNICATION HUB
- RFI'S
- QUALITY CONTROL
- INSPECTION
- DOCUMENTATION



SUPERINTENDENT



- JOB SITE
COORDINATOR
- LAYOUT OF WORK
- SAFETY
- EFFICIENCY
- CODE
COMPLIANCE
- INSPECTIONS



FORMAN

- SUPERVISES LABOR
- CREATES WORK ASSIGNMENTS
- TIME AND MATERIAL REPORTS
- READY FOR INSPECTION REPORTS
- RESPONSIBLE FOR TIME FRAMES
- WORKS WITHIN BUDGETS



MUNICIPAL INSPECTORS

- GRADING
- PUBLIC WORKS, UTILITIES
- MECHANICAL
- PLUMBING
- ELECTRICAL
- BUILDING
- ZONING

AND THAT'S NOT THE HALF
OF IT!



SUBCONTRACTORS
MATERIAL SUPPLIERS
MANUFACTURERS OF
EQUIPMENT AND SUPPLIES



OPPORTUNITIES...

- WE ARE ONE OF THE LARGEST INDUSTRIES IN THE UNITED STATES
- N.A.H.B. MEMBERS ALONE EMPLOY OVER 8 MILLION WORKERS
- AUTOMOBILES, APPLIANCES, FURNITURE, OUR ROOTS GO DEEP AROUND THE GLOBE