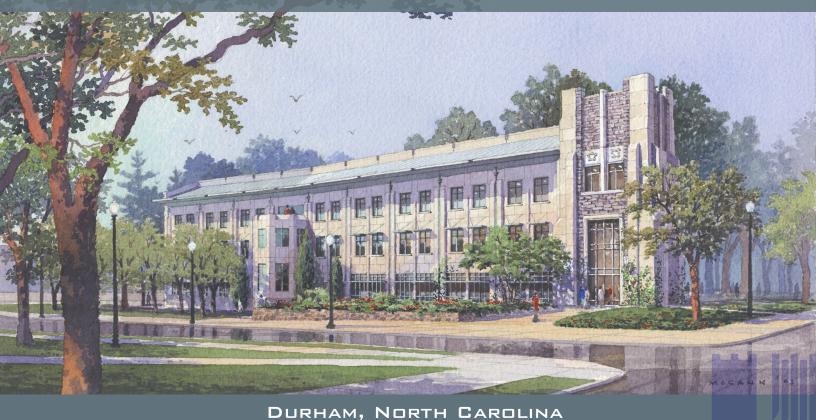
# DUKE UNIVERSITY MEDICAL SCHOOL SCHOOL OF NURSING



# BUILDING STATISTICS

SIZE: 59,610 SF

LEVELS: 3 & 1 BASEMENT

CONSTRUCTION DATES: 3/2005-8/2006

BUILDING COST: \$14.7M

DELIVERY METHOD: DESIGN-BUILD

### DESIGN TEAM

OWNER: DUKE UNIVERSITY MEDICAL SCHOOL

ARCHITECT: AYER/SAINT/GROSS ARCHITECTS

MEP ENGINEERING: MUELLER ASSOCIATES, INC.

STRUCTURAL & CIVIL: STEWART ENGINEERING

ENGINEERING

LANDSCAPE ARCHITECT: MICHAEL VERGASON

LANDSCAPE ARCHITECTS

ACOUSTICAL CONSULTANT: SHEN MILSOM & WILKE, INC.

# LIGHTING

PREDOMINATELY 277V LINEAR FLOURESCENTS
AND COMPACT FLOURESCENTS USED THROUGHOUT
THE BUILDING FOR REDUCED ENERGY CONSUMPTION

DAYLIGHT INTEGRATION AND CONTROLS UTILIZED THROUGHOUT BUILDING WHERE APPLICABLE

Double high Cafe has full height glass curtain walls on all three exterior sides

#### ARCHITECTURE



THE GOTHIC STYLE "DUKE" TOWER AND DUKE LIMESTONE WERE INCORPORATED INTO THE DESIGN

Double high entry tower vestibule

WOODEN GOTHIC ARCHES INCORPORATED INTO THE DOUBLE HIGH CAFE DUSON LOUNGE

# ELECTRICAL



12.47kV CAMPUS FED SERVICE LINE DITRIBUTED BY 408Y/277V AND 208Y/120V TRANSFORMERS

1000kVA service entrance transformer

EMERGENCY POWER FED FROM AN EXISTING 350KW, 480Y/277V DIESEL ENGINE GENERATOR SET

#### MECHANICAL



235 TON AIR-COOLED CHILLER PROVIDES
CHILLED WATER TO VAV AIR HANDLING BOXES

# STRUCTURAL



STRUCTURAL STEEL FRAMING SYSTEM

6-IN TO 4-IN SLAB ON GRADE WITH CONCRETE SPREAD FOOTINGS AND CONTINUOUS STRIP FOOTINGS

COMBINATION OF PRECAST CONCRETE PANELS
AND LIMESTONE USED FOR EXTERIOR FACADE