

## Abstract



**DUKE UNIVERSITY MEDICAL SCHOOL - SCHOOL OF NURSING**

**DURHAM, NORTH CAROLINA**

<p><b>BUILDING STATISTICS</b></p> <p>SIZE: 59,610 SF LEVELS: 3 &amp; 1 BASEMENT CONSTRUCTION DATES: 3/2005-8/2006 BUILDING COST: \$14.7M DELIVERY METHOD: DESIGN-BUILD</p> <p><b>DESIGN TEAM</b></p> <p>OWNER: DUKE UNIVERSITY MEDICAL SCHOOL</p> <p>ARCHITECT: AYER/SAINT/GROSS ARCHITECTS</p> <p>MEP ENGINEERING: MUELLER ASSOCIATES, INC.</p> <p>STRUCTURAL &amp; CIVIL: STEWART ENGINEERING ENGINEERING</p> <p>LANDSCAPE ARCHITECT: MICHAEL VERGASON LANDSCAPE ARCHITECTS</p> <p>ACOUSTICAL CONSULTANT: SHEN MILBOM &amp; WILKE, INC.</p> <p><b>LIGHTING</b></p> <p>PREDOMINATELY 277V LINEAR FLOURESCENTS AND COMPACT FLOURESCENTS USED THROUGHOUT THE BUILDING FOR REDUCED ENERGY CONSUMPTION</p> <p>DAYLIGHT INTEGRATION AND CONTROLS UTILIZED THROUGHOUT BUILDING WHERE APPLICABLE</p> <p>DOUBLE HIGH CAFE HAS FULL HEIGHT GLASS CURTAIN WALLS ON ALL THREE EXTERIOR SIDES</p>	<p><b>ARCHITECTURE</b></p> <p>THE GOTHIC STYLE "DUKE" TOWER AND DUKE LIMESTONE WERE INCORPORATED INTO THE DESIGN</p> <p>DOUBLE HIGH ENTRY TOWER VESTIBULE</p> <p>WOODEN GOTHIC ARCHES INCORPORATED INTO THE DOUBLE HIGH CAFE DUSON LOUNGE</p> <p><b>ELECTRICAL</b></p> <p>12.47kV CAMPUS FED SERVICE LINE DITRIBUTED BY 408Y/277V AND 208Y/120V TRANSFORMERS</p> <p>1000KVA SERVICE ENTRANCE TRANSFORMER</p> <p>EMERGENCY POWER FED FROM AN EXISTING 350KW, 480Y/277V DIESEL ENGINE GENERATOR SET</p> <p><b>MECHANICAL</b></p> <p>235 TON AIR-COOLED CHILLER PROVIDES CHILLED WATER TO VAV AIR HANDLING BOXES</p> <p><b>STRUCTURAL</b></p> <p>STRUCTURAL STEEL FRAMING SYSTEM</p> <p>6-IN TO 4-IN SLAB ON GRADE WITH CONCRETE SPREAD FOOTINGS AND CONTINUOUS STRIP FOOTINGS</p> <p>COMBINATION OF PRECAST CONCRETE PANELS AND LIMESTONE USED FOR EXTERIOR FACADE</p>
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**NICHOLAS A. KUTCHI**  
LIGHTING/ELECTRICAL OPTION  
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