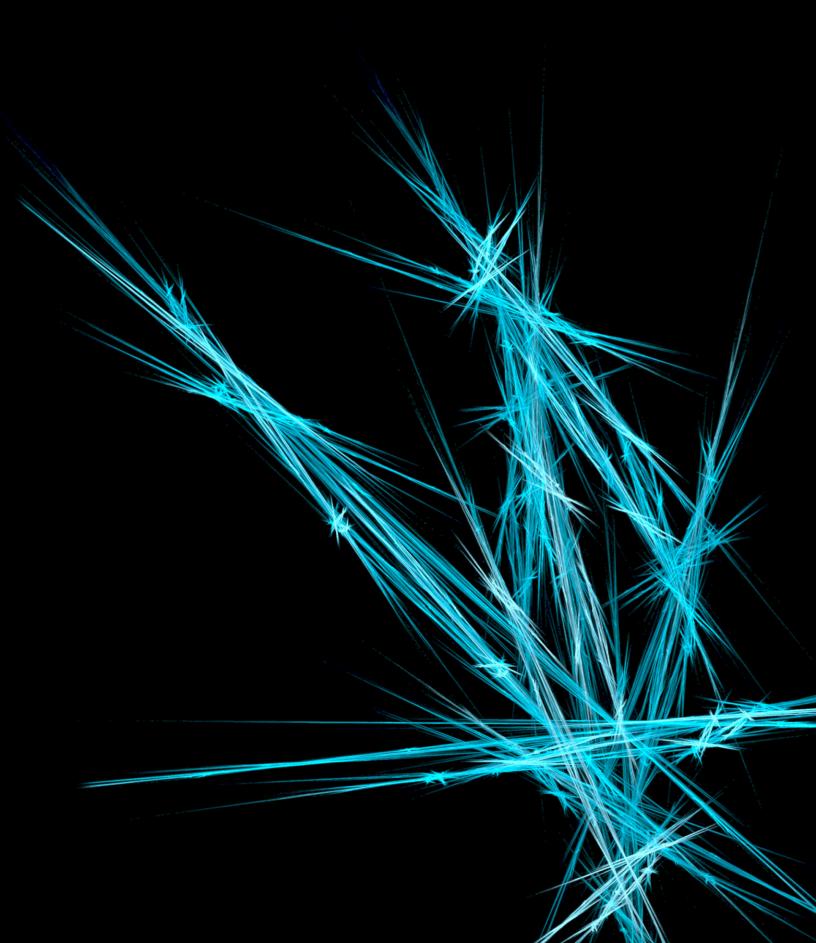
ADAM KROLL ARCHITECTURAL LIGHTING PORTFOLIO



SENIOR THESIS PROJECT



architecture

The New Community Facility, located in lower Manhattan, consolidates the functions of various aging New York Law School structures.

Spaces include a library, a 284-seat auditorium, dining areas, a roof terrace, administrative offices, classrooms, and a large multi-purpose room.

Glass facade displays the high level of activity that will take place in the facility.



Exterior rendering by SmithGroup

construction

Address: 185 W. Broadway

Size: 200,000 SF 6 levels above grade 4 levels below grade

Total cost: \$80 million

Construction dates: May 2006 to 2010

Delivery method: CM Agent

project team

Owner: New York Law School

Architect: SmithGroup

MEP: Jaros, Baum & Bolles Structural: Thornton-Tomasetti

Acoustics / AV: Cerami

Landscape Architect: JJR Geotechnical: Meuser Rutledge

Management: Studley Project Management: WA



Main entry lobby

lighting

Color-changing LEDs on exterior canopy and behind etched glass panels in main lobby Significant amounts of daylight above grade Appearance of glowing glass facade at night Heavy use of fluorescent sources and dimming

structural

Foundation: Two-way slab on grade 8" thick with wire mesh reinforcement

Floor and Roof: Composite metal decking ranging from 6" to 12" thick

Main Support System: Steel beams and columns ranging from W24 to W40 10' O.C.

electrical

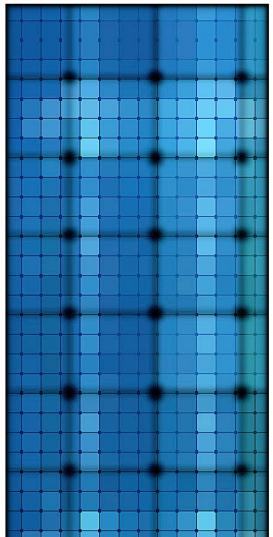
Primary: Two feeders from Con Edison transformer vault supply 208Y/120V 3P 4W 4000A switchgears Emergency: 700KW 208Y/120V oil-fueled generator UPS for information technology systems Above-grade floors serviced by two bus ducts: 2500A and 3000A, below-grade by one 3000A

mechanical

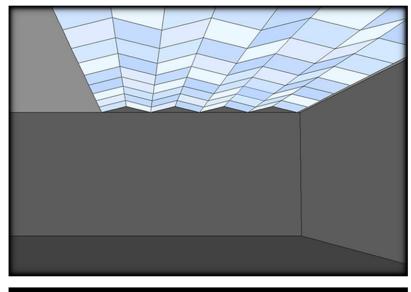
Heating: Steam heating, supplied by Con Edison Cooling: Water-cooled packed air conditioning systems, two cooling towers on roof 550 gallon fuel oil tank for emergency generator

SENIOR THESIS PROJECT

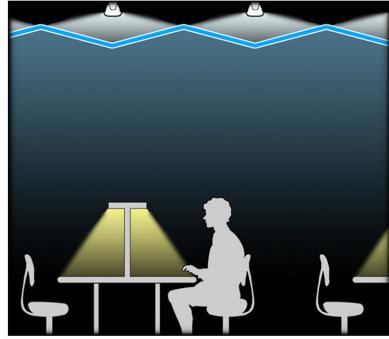








CONCEPT: SIMULATE DAYLIGHT IN A BASEMENT LIBRARY USING A LUMINOUS CEILING



EXTERIOR LIGHTING







RENDERING & ANIMATION



TORRE ESPACIO, MADRID







FLUSHING TOWN CENTER, NY

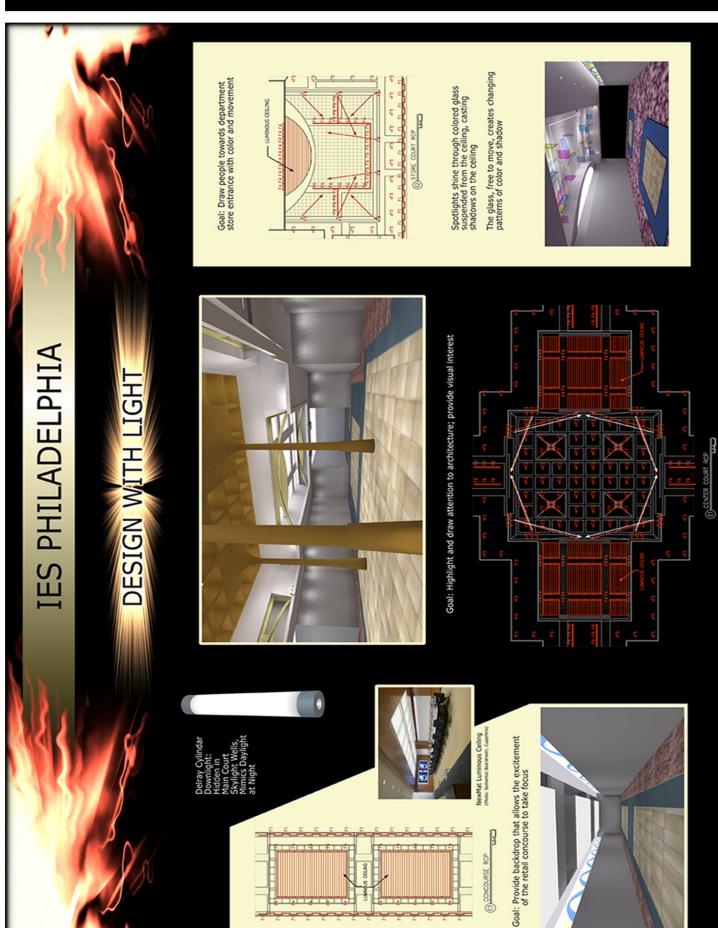


ABOVE: RESIDENTIAL LOBBY - BELOW: MALL CONCOURSE



DESIGN WITH LIGHT COMPETITION

PLACE PRIZE **FIRST**













































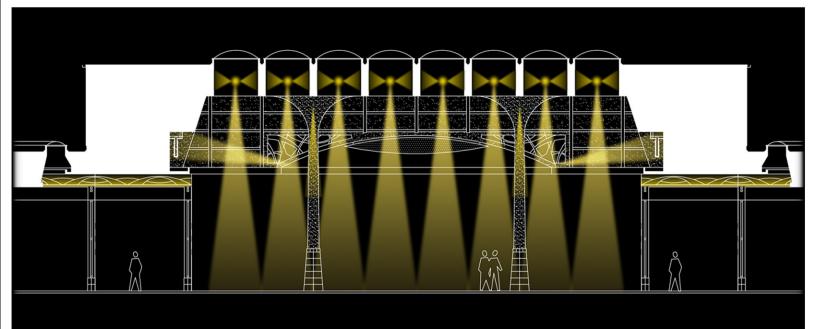




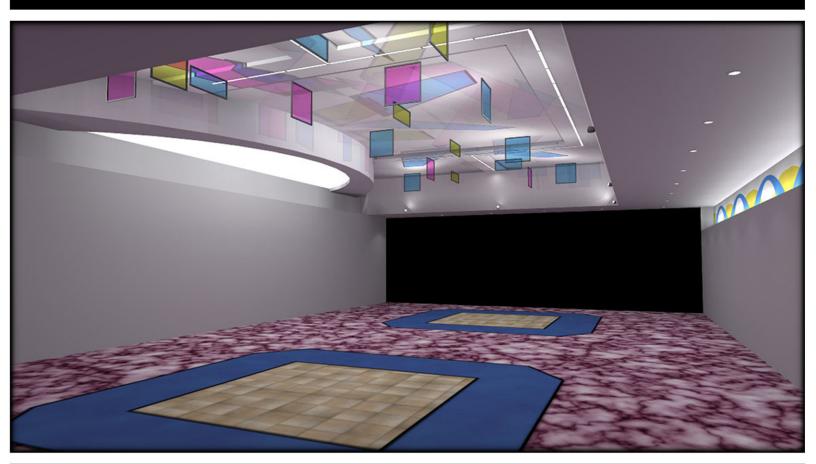
DESIGN WITH LIGHT COMPETITION



DESIGN THE LIGHTING FOR A RENOVATED SHOPPING MALL

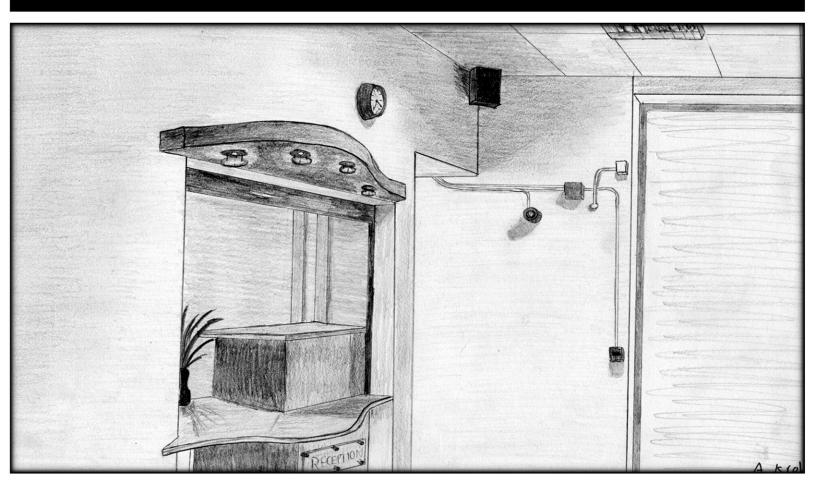


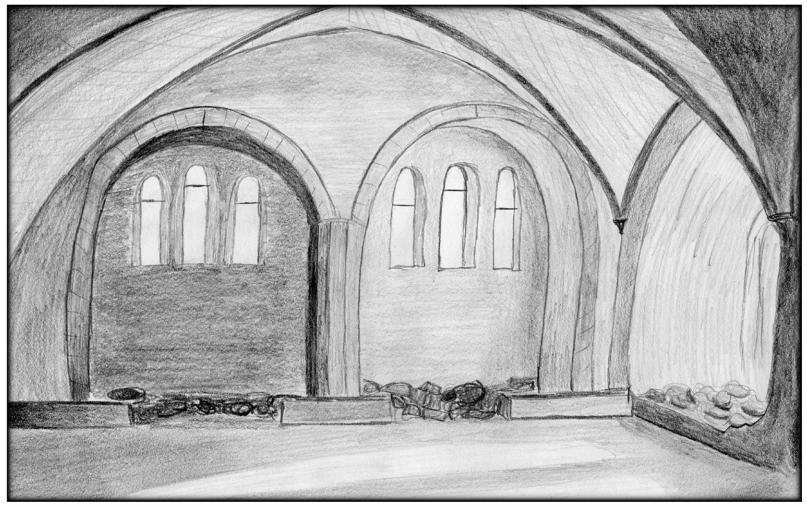
DESIGN WITH LIGHT COMPETITION





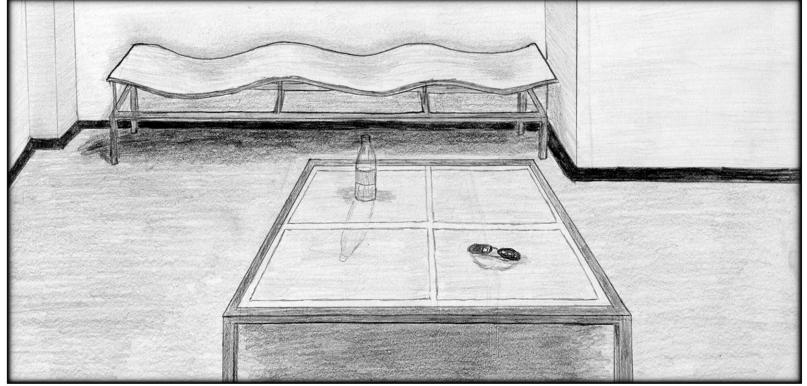
HAND SKETCHES



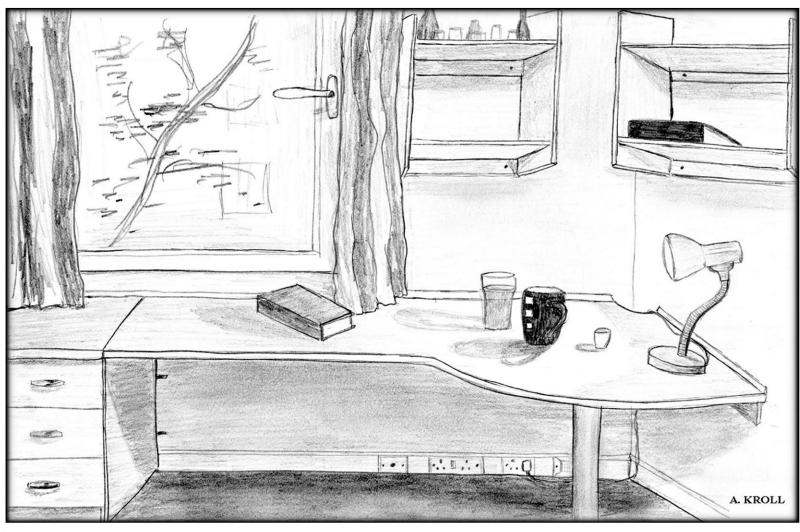


HAND SKETCHES

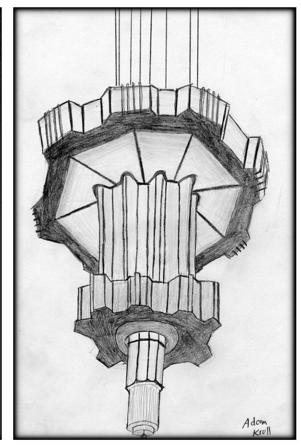




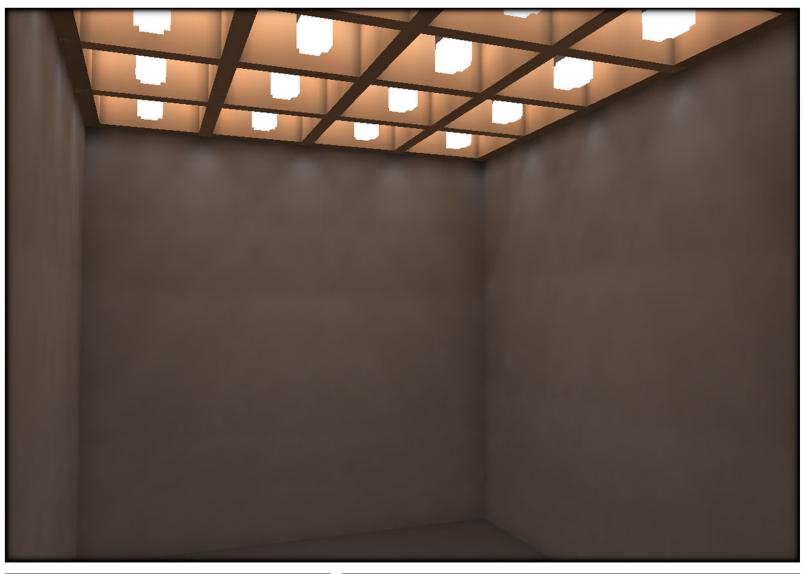
HAND SKETCHES

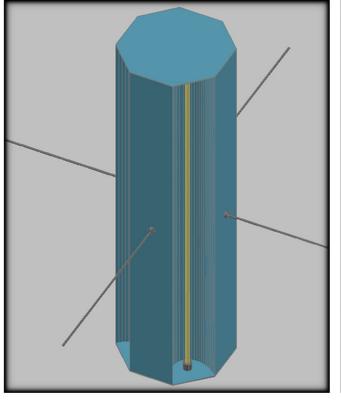


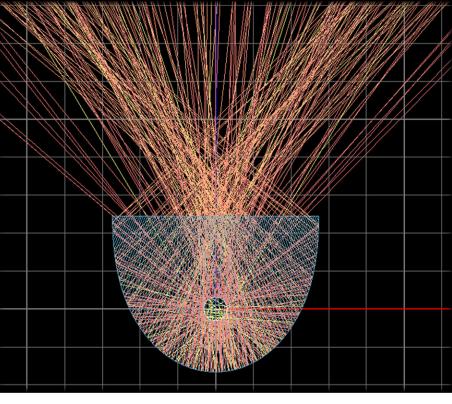




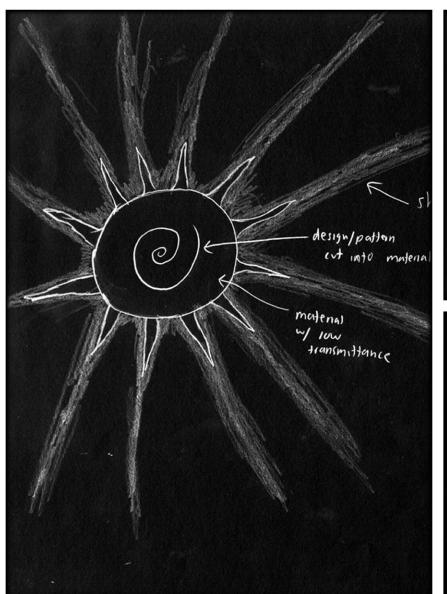
CUSTOM FIXTURE OPTICS

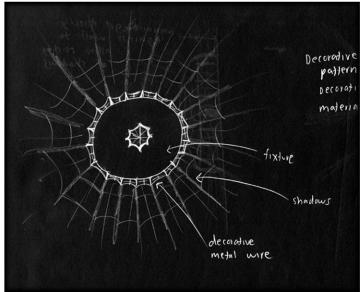


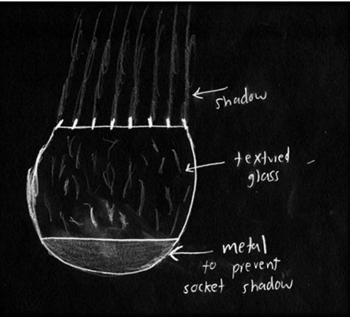


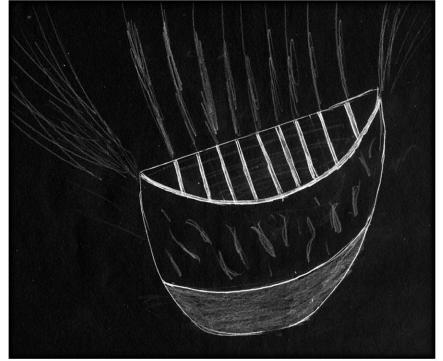


CUSTOM FIXTURE DESIGN











FLYNN IMPRESSION: PRIVATE

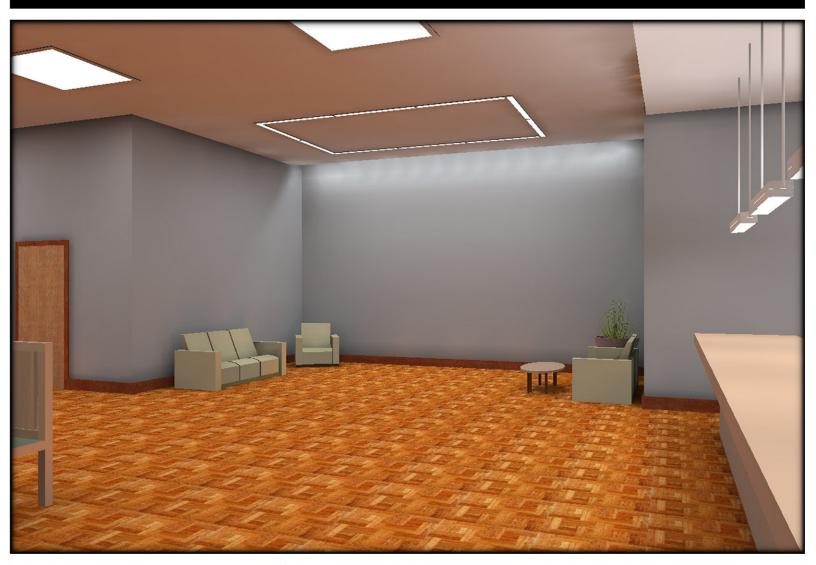








FLYNN IMPRESSION: PUBLIC







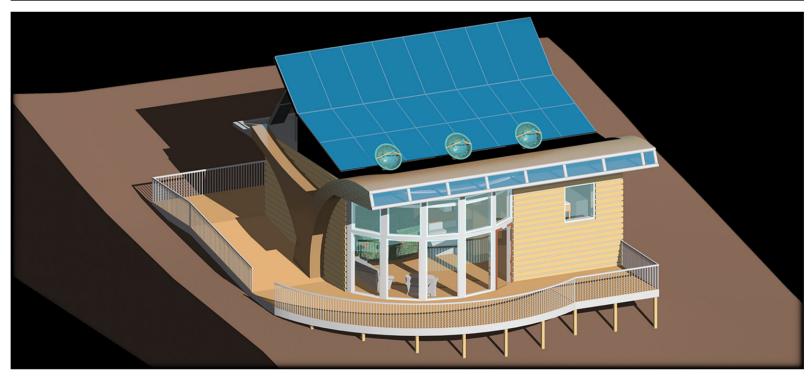


HOWARD BRANDSTON COMPETITION



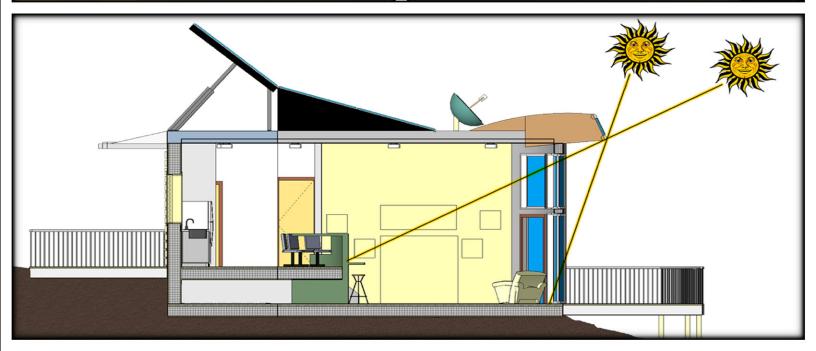


SOLAR HOUSE COMPETITION

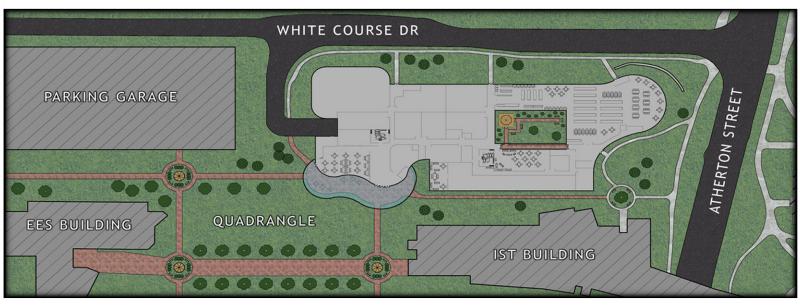








NEW AE BUILDING







NEW AE BUILDING



