PROPOSED COLLEGE OF ENGINEERING SIGNATURE BUILDING
“LEADING THE WAY TOWARD SUSTAINABLE ARCHITECTURE”

A LIVING LABORATORY BUILDING WHICH USES TANGIBLE FORMS OF SUSTAINABLE DESIGN TO EDUCATE AND INSPIRE STUDENTS.

A BUILDING WHICH ALLOWS OCCUPANTS TO BE IMMERSED IN A SUSTAINABLE ENVIRONMENT AND LEAVE WITH ENHANCED KNOWLEDGE THROUGH THEIR INTERACTION WITH THE SPACE.

A SIGNATURE BUILDING WHICH EMBODIES THE AMBITION AND COMMITMENT OF THE COLLEGE OF ENGINEERING TO SUSTAINABILITY IN DESIGN.

SITE PLAN

3rd Floor

2nd Floor

1st Floor & Basement

Structural Concepts
SLANTED COLUMNS WITH TIE-BEAMS
CENTRAL COLUMN FOUNDATION
STANDARD BAY SYSTEM IN WINGS
CONCRETE SLAB SYSTEM

Building as Living Laboratory
VISIBLE STRUCTURE
VISIBLE HVAC ETC. SYSTEMS
ACCESSIBLE SUSTAINABILITY CONCEPTS
VISIBLE & ACCESSIBLE LABS & LF
ACCESSIBLE ROOF GARDEN

Sustainability Concepts
WHOLE FLOOR TURBINE
SOLAR PANELS
HELIX TURBINES
GREY WATER RECYCLING
LIVING ROOF
SOLAR SHADING

BAILEY - GRAVES - GRAY - HIRSH