



Image Credit: Lehigh University Facilities Dept

STEPS BUILDING

LEHIGH UNIVERSITY'S ASA PACKER CAMPUS

BETHLEHEM, PENNSYLVANIA

S C I E N C E
T E C H N O L O G Y
E N V I R O N M E N T
P O L I C Y
S O C I E T Y

WHAT IS "STEPS"?

THE LEHIGH UNIVERSITY STEPS PROGRAM AIMS TO BRING SOCIAL SCIENCES, ENGINEERING, AND HARD SCIENCE ACTIVITIES INTO SPATIAL PROXIMITY TO ENCOURAGE ACADEMIC COLLABORATION.

PRIMARY PROJECT TEAM	OWNER:	LEHIGH UNIVERSITY, BETHLEHEM, PA
	CM:	ALVIN H BUTZ, INC., ALLENTOWN, PA
	ARCHITECT:	BOHLIN CYWINSKI JACKSON, PHILADELPHIA, PA
	STRUCTURAL:	CVM STRUCTURES, OAKS, PA
GENERAL BUILDING STATISTICS	CIVIL:	BARRY ISETT & ASSOCIATES, TREXLERTOWN, PA
	MEP/FIRE:	FLACK & KURTZ, NEW YORK, NY
	LANDSCAPE:	LAGER RAABE SKAFTE, PHILADELPHIA, PA
	LAB SYSTEMS:	HEALTH, EDUCATION + RESEARCH ASSOC, INC
ARCHITECTURE	LOCATION:	PACKER AVE & VINE ST, BETHLEHEM, PA
	FLOOR AREA:	135,000 SF
	# OF FLOORS:	"A" WING: 1 FLOOR "B" WING: 4 FLOORS + MECHANICAL PENTHOUSE "C" WING: 5 FLOORS + MECHANICAL PENTHOUSE
	PROJECT COST:	\$62,000,000
STRUCTURE	PROJECT DATES:	AUGUST 2008 TO AUGUST 2010
	PROJECT DELIVERY:	DESIGN-BID-BUILD
	USE TYPES:	CLASSROOMS, LABS, AND FACULTY OFFICES
	FEATURES:	EXTENSIVE WOOD INTERIOR FINISHES FULL-HEIGHT ATRIUM WITH HSS FRAMING
MEP	SUSTAINABILITY:	LEED GOLD CERTIFICATION GREEN ROOF ON LOW-RISE "A" WING SUN-SHADES & HIGH-PERFORMANCE GLAZING MAINTAINED EXISTING GREEN SPACE ON SITE
	BASIC TYPE:	SEMI-RIGID MOMENT RESISTING STEEL FRAME PROVIDES GRAVITY AND LATERAL SUPPORT
	FLOORS:	COMPOSITE STEEL DECK TOPPED WITH SLAB
	ROOF:	"B" + "C" WINGS: ROOF DECK AND SLAB "A" WING: GREEN ROOF WITH STEEL SUPPORT
MEP	FOUNDATION:	GRADE BEAMS AND CAISSONS
	FEATURES:	CUSTOMIZED AHUS MINIMIZE EXCESS CAPACITY HEAT EXCHANGERS MINIMIZE WASTE HEAT FOCUS ON WATER MANAGEMENT VIA FIXTURES DEDICATED LABORATORY VENTILATION SYSTEMS

JADOT A MARCHMAN-MOOSMAN | *STRUCTURAL OPTION*