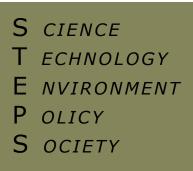


Image Credit: Lehigh University Facilities Dept



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.

STEPS BUILDING

LEHIGH UNIVERSITY'S ASA PACKER CAMPUS

BETHLEHEM, PENNSYLVANIA

	OWNER:	LEHIGH UNIVERSITY, BETHLEHEM, PA
	CM:	ALVIN H BUTZ, INC., ALLENTOWN, PA
	ARCHITECT:	BOHLIN CYWINSKI JACKSON, PHILLADELPHIA, PA
	STRUCTURAL:	CVM STRUCTURES, OAKS, PA
	CIVIL:	BARRY ISETT & ASSOCIATES, TREXLERTOWN, PA
	MEP/FIRE:	FLACK & KURTZ, NEW YORK, NY
	LANDSCAPE:	LAGER RAABE SKAFTE, PHILLADEPHIA, PA
	LAB SYSTEMS:	HEALTH, EDUCATION + RESEARCH ASSOC, INC
	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
	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
	SUSTAINABILITY:	LEED GOLD CERTIFICATION
Ĕ		GREEN ROOF ON LOW-RISE "A" WING
		SUN-SHADES & HIGH-PERFORMANCE GLAZING
		MAINTAINED EXISTING GREEN SPACE ON SITE
EAM		
	BASIC TYPE:	SEMI-RIGID MOMENT RESISTING STEEL FRAME
PROJECT ' BUILDING TURE		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
	FOUNDATION:	GRADE BEAMS AND CAISSONS
	FEATURES:	CUSTOMIZED AHUS MINIMIZE EXCESS CAPACITY
		HEAT EXCHANGERS MINIMIZE WASTE HEAT
		Focus on water management via fixtures
を置めてほ		DEDICATED LABORATORY VENTILATION SYSTEMS

JADOT A MARCHMAN-MOOSMAN | STRUCTURAL OPTION

CAPSTONE PROJECT ELECTRONIC PORTFOLIO: WWW.ENGR.PSU.EDU/AE/THESIS/PORTFOLIOS/2012/JAM737