

# HEALTH SCIENCES FACILITY III

UNIVERSITY OF MARYLAND – BALTIMORE  
666 W. BALTIMORE ST. BALTIMORE, MD 21201

OWNER: **UMB OFFICE OF FACILITIES MANAGEMENT**  
ARCHITECT: **HELLMUTH, OBATA, KASSABAUM (HOK)**  
CONSTRUCTION MANAGER: **BARTON MALOW COMPANY**  
STRUCTURAL ENGINEER: **CAGLEY & ASSOCIATES**  
MECHANICAL ENGINEER: **AEI ENGINEERS**

OCCUPANCY: **BUISNESS, RESEARCH FACILITY**  
CONSTRUCTION DATES: **JULY 2013 – SEPTEMBER 2017**  
BUILDING HEIGHT: **13 STORIES + MEZZANINE & PENTHOUSE**  
BUILDING SIZE: **430,000 GSF**  
BUILDING COST: **\$216 MILLION**  
DELIVERY METHOD: **CM AT RISK**

## ARCHITECTURE:

- HIGHLY ADVANCED RESEARCH FACILITY
- HOUSES RESEARCH GROUPS FOR THE UNIVERSITY'S SCHOOL OF MEDICINE, PHARMACY, AND DENTISTRY
- FEATURES 7 STORY GLASS ATRIUM, 3 MAIN TOWERS, WITH WET LAB AND DRY LAB
- GREEN ROOF ON ALL TOWERS

## STRUCTURAL:

- EXTERIOR MAJORITY IS INSULATED GLASS CURTAIN WALL
- CONCRETE SLAB FOOTING
- STEEL COLUMN AND BEAM FRAMEWORK
- GALVINIZED STEEL ROOKING DECK
- CMU REINFORCING UNDER LOWER BASEMENT

## MECHANICAL:

- 100% 2 AHU FOR VIVARIUMS, 2 AHU FOR OFFICES
- 100% 4 AHU FOR LABS, 2 AHU 35% OUTSIDE AIR
- 2 PERIMETER RADIATORS
- GREEN ROOF FILTRATION SYSTEM
- AV UNITS THROUGHOUT

## LIGHTING/ELECTRICAL:

- BUILDING DISTRIBUTION IS 480V, 3 PHASE, 4 WIRE
- 120/277 LIGHTING STANDARD
- 277/480 STANDARD PANELBOARD
- 3000A, 277/480 SWITCHBOARD
- 500KVA GENERATOR

LIGHTING/ELECTRICAL OPTION

**KENNETH M. MOORE**

<http://www.engr.psu.edu/ae/thesis/portfolios/2015/kmm5755/index.html>  
SHAWN GOOD | ADVISOR

