

THE ANNE AND MICHAEL ARMSTRONG MEDICAL EDUCATION BUILDING

JOHNS HOPKINS SCHOOL OF MEDICINE

PROJECT TEAM

OWNER JOHNS HOPKINS UNIVERSITY
ARCHITECT BALLINGER
STRUCTURAL RUMMEL KLEPPER & KAHL
MEP ROSS INFRASTRUCTURE, INC.
LIGHTING DESIGNER THE LIGHTING PRACTICE
GENERAL CONTRACTOR BARTON MALOW COMPANY

BUILDING STATS

SIZE 110,000 SF.
LEVELS 4
DELIVERY METHOD DESIGN-BID-BUILD
CONSTRUCTION DATES JUNE 2007 - JUNE 2009

ARCHITECTURE

SOUTHWEST GLASS CURTAIN WALL FULL HEIGHT FACADE

FOUR STORY ELLIPSOIDAL ATRIUM

FOUR COLLEGE LOUNGES ON SECOND FLOOR

LARGE CAFE AND AUDITORIUMS ON FIRST FLOOR

LIGHTING

RECESSED 32W TRIPLE TUBE ROUND AND SQUARE COMPACT FLUORESCENT DOWNLIGHTS IN MAJOR CIRCULATION SPACES

RECESSED AND PENDANT HIGH OUTPUT T5 LINEAR FLUORESCENT FIXTURES IN WORK SPACES.

OCCUPANCY SENSOR, PHOTOCCELL, ASTRONOMICAL TIME CLOCK AND WALL SWITCH COMBINATIONS IN SPACES WITH DAYLIGHTING.

STRUCTURAL

3-1/4" LIGHTWEIGHT CONCRETE SYSTEM ON 3" DEEP, 20 GAGE GALVANIZED COMPOSITE STEEL DECK.

ROOF SLAB TO BE 4-1/2" NORMAL WEIGHT CONCRETE 3" DEEP 18 GAGE GALVANIZED METAL DECK.

SKYLIGHT ROOF TO BE 1-1/2" DEEP, 20 GAGE GALVANIZED METAL DECK.

5" NORMAL WEIGHT CONCRETE FOUNDATION REINFORCED WITH 6X6-W2.9XW2.9 WWF

ELECTRICAL

13200V AT 1500KVA SERVICE FROM ADJACENT PUMP HOUSE BUILDING TO 480Y/277V, 3Φ 4W TRANSFORMER

300KW/375KVA 480Y/277V EMERGENCY GENERATOR

MECHANICAL

PRIMARILY A VAV REHEAT SYSTEM WITH HOT WATER REHEATING WITH A CONSTANT SYSTEM EXCEPTION IN THE ANATOMY LABS

(3) 45,000 CFM, 781.5 MBH AIR HANDLING UNITS ON PENTHOUSE LEVEL

LANDON K. ROBERTS

LIGHTING/ELECTRICAL OPTION | <http://www.engr.psu.edu/ae/thesis/portfolios/2008/lkr116>