



PROJECT TEAM

OWNER: HARRISBURG UNIVERSITY OF SCIENCE AND TECHNOLOGY

CONSTRUCTION MANAGER: REYNOLDS CONSTRUCTION MANAGEMENT

ARCHITECT & M. P. FP ENGINEER: BURT, HILL

STRUCTURAL ENGINEER: BARBER & HOFFMAN

CIVIL/ELECTRICAL ENGINEER: BENATEC ASSOCIATES

ELECTRICAL ENGINEER (LIGHTING): INTEGRATED ENGINEERING SOLUTIONS, INC.

PARKING CONSULTANT: TIMOTHY HAAHS & ASSOCIATES

CONSTRUCTION DATES: JANUARY 2007– WINTER 2008

PROJECT FEATURES

BUILDING LOCATION: HARRISBURG, PENNSYLVANIA AT THE INTERSECTION OF MARKET AND NORTH FORTH STREETS

BUILDING OCCUPANTS: HARRISBURG UNIVERSITY OF SCIENCE AND TECHNOLOGY

BUILDING FUNCTION: UNIVERSITY WITH CLASSROOMS, TEACHING LABS, SEMINAR ROOMS, LIBRARY, AUDITORIUM SPACE, OFFICE SPACE, AND PARKING FACILITY

SIZE: 370,000 SQUARE FEET

HEIGHT: 16 STORIES

PROJECT COSTS: \$73 MILLION (TOTAL WITH CONSTRUCTION COSTS > \$100 MILLION)

PROJECT DELIVERY METHOD: CM AT RISK

MECHANICAL, ELECTRICAL, PLUMBING

MECHANICAL: ONE CHILLER AND BOILER SYSTEM LOCATED ON 16TH FLOOR SERVICING BUILDING VIA 96X36 DUCTS

ELECTRICAL: MAIN SERVICE TO SWITCH GEAR 3-PHASE 480/277V, 4-WIRE WITH MAIN CIRCUIT BREAKER 1600A

PLUMBING: CITY WATER PRESSURE FOR PLUMBING AND FIRE WATER WITH BOOSTER PUMP FOR FIRE SUPPRESSION SYSTEM

STRUCTURAL , ARCHITECTURAL

FOUNDATION: 70 CAISSONS AVERAGING 5 FEET IN DIAMETER AND 24" GRADE BEAM

CORE STRUCTURE: PRECAST CONCRETE AND STRUCTURAL STEEL WIDE-FLANGE BEAMS AND GIRDERS CONNECTING TO W18X480 COLUMNS

SHELL: NON LOAD-BARING CURTAIN WALL AND ALUMINUM WINDOW GLAZING SYSTEM

ROOF: EPDM RUBBER ELASTOMER

LAUREL HEATHER WARNER



CONSTRUCTION MANAGEMENT OPTION

The Pennsylvania State University



Department of Architectural Engineering

<http://www.arche.psu.edu/thesis/eportfolio/2008/portfolios/LHW106>