



THE AUGUST WILSON CENTER FOR AFRICAN AMERICAN CULTURE

LIBERTY AVENUE PITTSBURGH, PA

ARCHITECT:

PERKINS + WILL

CIVIL ENGINEER:

A&A CONSULTANTS

STRUCTURAL ENGINEER:

ATLANTIC ENGINEERING

CONSULTANTS:

ARUP

ATS CHESTER ENGINEERS

AUERBACK+POLLACK+FRIEDLANDER

DUQUESNE LIGHT

HORNFECK ENGINEERING

MIDDLEBROOK+LOUIE

SEXTANT GROUP

THE STUDIO I COMPANY

TIMOTHY ENGINEERING

CONSTRUCTION MANAGEMENT:

TURNER CONSTRUCTION

STERLING CONTRACTING, LCC

EBONY DEVELOPMENT, LLC

OWNERS REPRESENTATIVE:

OXFORD DEVELOPMENT COMPANY

DELIVERY METHOD:

CM AGENT

24 PRIME CONTRACTS

architecture

The 63,000 SF facility located in downtown Pittsburgh features a 500 seat performance venue, permanent and temporary exhibit spaces, educational and meeting spaces, a cafe, a book store and offices. The building consists of two levels above grade and is scheduled to be constructed between August 2007 and May 2009 at a budgeted cost of 23 million dollars.

lighting

Aside from the fully functional theatre lighting system, the building is lite with a variety of lighting systems including, fluorescent and HID fixtures. Exposed interior structure dictates interior fixture selection in many spaces, while the sail feature is the only accented facade feature.

building systems

The building rests on a cast-in-place concrete foundation system to grade (partial basement). A combination moment frame and braced frame steel system with reinforced concrete slabs is used for the two upper floors. The building is serviced by Duquesne Light electrical service which is converted to a 208Y/120 system. Theatre and building loads are serviced from separate main boards. Multiple dimming systems are utilized and a backup generator protects the entire system. The mechanical system is forced air heating and cooling with stem to steam humidification. Five AHUs are housed on the roof.

an architectural engineering senior thesis portfolio
MICHAEL PATRICK ROYER
 lighting and electrical option