

THE AUGUST WILSON CENTER FOR AFRICAN AMERICAN CULTURE

PITTSBURGH, PENNSYLVANIA



PERKINS + WILL

MICHAEL P. ROYER

PROPOSAL

DECEMBER 17, 2007

LIGHTING / ELECTRICAL OPTION

**ADVISORS:
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PROPOSAL

EXECUTIVE SUMMARY:

This proposal details the work to be complete for AE482 in the spring semester of 2008. The four areas to be considered are breadths in architecture and construction management and depths in lighting and electrical design. The backbone of the project will be the study in architecture which will coincide with a dual Honors Thesis for the Schreyer Honors College. A new addition which more than doubles the size of the project will be used as a basis for completing a detailed cost estimate and a construction schedule as the construction management breadth. The lighting depth will include redesigning the four spaces that have been previously analyzed as well as working to incorporate the lighting design themes into the new addition. The electrical depth will include an analysis of photo voltaic arrays as well as the design of major equipment for the new addition.

BREADTH PROPOSALS

Architecture:

As an architectural exercise, an addition will be designed for the August Wilson Center. The framework of the project is a 25 million dollar budget and the site at 411 Seventh Avenue. This new space will be used as a foundation for work in other areas. The detailed proposal and work for this portion is available separately.

Design Goals:

Based on site analysis and program development, the following goals have been developed:

- Size: 75000 SF
- Cost: 25 Million Dollars
- Create new functional space that adds to the existing capabilities of the center
- Enhance and complement the existing architecture
- Create a transition from taller buildings and especially the remaining building on the block
- Emphasis the corner of Smithfield Street and Liberty Avenue
- Create a pedestrian friendly outdoor space that provides a transition to the interior environment.

Proposed Program:

PROGRAM: AUGUST WILSON CENTER ADDITION			
Available Ground Area: 24,400 SF			
Space	Occupants	Space/Person	Square Feet
Black Box Theatre	250	10	2500
Black Box Theatre Stage	-	-	1500
Theatre Service Spaces	-	-	1000
Theatre Workshop	-	-	2000
Theatre Storage	-	-	1000
Rehearsal Theatre	-	-	2000
Film Theatre	200	10	2000
Artist Incubation Center	-	-	10000
Gallery Space	-	-	10000
Pre-Function	-	-	4000
Box Office	-	-	300
Administrative	10	150	1500
Library Stacks (books)	15000	1/15	1000
Library - Study	60	50	3000
Youth Center	50	20	1000
Classrooms (8)	200	30	6000
Art Studios (2)	40	100	4000
Redesigned Café	-	-	EXISTING
Redesigned Kitchen	-	-	EXISTING
Redesigned Conference Room	-	-	EXISTING
Redesigned Multipurpose	-	-	EXISTING
Circulation		~15%	8000
Restrooms		~10%	4200
Electrical/Communication Service	-	-	2000
Mechanica Service	-	-	ROOF
Transportation Hub	NA	NA	2000
Outdoor Space	NA	NA	6000
			75000

Space/Person values from: Stitt, Fred A. Architect's Room Design Data Handbook, 1992.

Construction Management:

As a compliment to the architecture breadth work, a breadth study in construction management will include a cost estimate and a schedule. This will augment that architecture breadth work by verifying that budget that was set for the project. The estimate will be completed using RS Means Assembly Cost Data and/or RS Means Unit Price Cost Data. Scheduling will be completed using RS Means data as well as Microsoft Project. The complexity of this process will come from the redesign of existing spaces and the connection of the addition to the existing building. Through the cost estimate, an effort will be made to reduce and minimize the cost of the project.