



student design competition

using metal-in-construction

2005

outdoor band/performance pavilion

*Special thanks to
OKW Architects, Inc. and
Haeger Engineering LLC
for program development.*

Metal Construction Association
4700 W. Lake Avenue • Glenview, IL 60025
847/375-3675 • Fax: 877/665-2234
www.metalconstruction.org

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Design Challenge

This metal-in-construction design competition challenges entrants to address architectural, structural, functional, and environmental issues in the design of an outdoor band/performance pavilion utilizing sheet metal components, and metal structural members.

This band/performance pavilion is located in a historically important park within one of Chicago's most dynamic neighborhoods. As a result, the design should be sensitive to the context, history, and activities surrounding this location.

Objectives

The Chicago Park District has a wonderful reputation for hosting neighborhood concerts, cultural events, and festivals in the public parks throughout the city, particularly in the summer. Often, these community and neighborhood-related activities lack the permanent facilities needed to adequately serve these events.

Entrants are to design a band and performance pavilion that will serve such a need within a culturally diverse neighborhood. The uses for this pavilion could include band concerts, live theatre, cultural events, exhibits, and educational and theatre camps.

Flexibility in its use is critically important in the design of this facility.

Entrants are asked to take into account the way in which metal can enhance the overall appeal and functionality of this facility and the general environment surrounding it. The entrants are encouraged to study similar facilities and the properties of metal components to determine how these components can best be used in this project.

Materials

As this facility will only be open for use for specific events and will be used primarily in warm weather months, the general design must be secure and vandal proof. Metal should be used as the primary

structural material and be featured prominently in the design. Other materials may be used as necessary. The design should underscore the flexibility, efficiency, and effectiveness of metals in responding to the unique requirements of this facility.

Site

Entrants must consider significant aspects of the location, climate, and the local community. In addition, the unique history of the park and neighborhood should be considered in the design.

The actual site is in Washington Park. This beautiful park is located between the neighborhoods of Hyde Park, Washington Park, and Woodlawn. The park was designed by Olmsted and Vaux in 1871, as the western component of two large parks connected by a boulevard known as the Midway Plaisance. (The eastern component is Jackson Park.) Daniel Burnham designed several of the park's buildings, including the former administration building, which is now the DuSable Museum of African-American History. Other park activities include biking, jogging, a variety of sporting events, and picnics. In addition to the DuSable Museum, the park has a number of other structures including a gymnasium and swimming facilities.

The specific site area is in the northwest corner of the park. Bowen Drive will be relocated to align with Armory Drive. The proposed site would be north of the relocated Bowen Drive. See site plan for details. For additional information, check www.chicagoparkdistrict.com and go to Washington Park under the parks and facilities heading.



program requirements

Stage Area:

2,000 sq ft with a minimum 30 ft-wide stage opening. This area includes peripheral temporary storage and working space at the side and rear of the stage.

Minimum Stage Dimensions:

Back wall to stage front: 35 ft with minimum 10 ft stage projection

Minimum Width:

50 ft wall to wall

Orchestra Pit:

Optional

Box Office:

35 sq ft including a safe

Production Office:

(1) room @ 120 sq ft for short-term use by visiting productions

Production Storage:

(1) room @ 200 sq ft for short-term use by visiting productions

Permanent Storage:

(1) room @ 300 sq ft

This space would be used for park district equipment including folding chairs.

Dressing Rooms:

(2) rooms @ at 200 sq ft each

(1) room @ 120 sq ft

Dressing Room Toilets:

(1) for each dressing room

Each to include (1) toilet, (2) lavatories, and (1) shower

Public Toilet Rooms:

200 sq ft each. Men's: (2) toilets, (2) lavatories, (2) urinals

Women's: (4) toilets, (3) lavatories

Sound Equipment:

100 sq ft

Sound Booth:

This facility will be detached from the main building and located at the rear of the seating area.

Concession Area:

Kitchen @ 400 sq ft

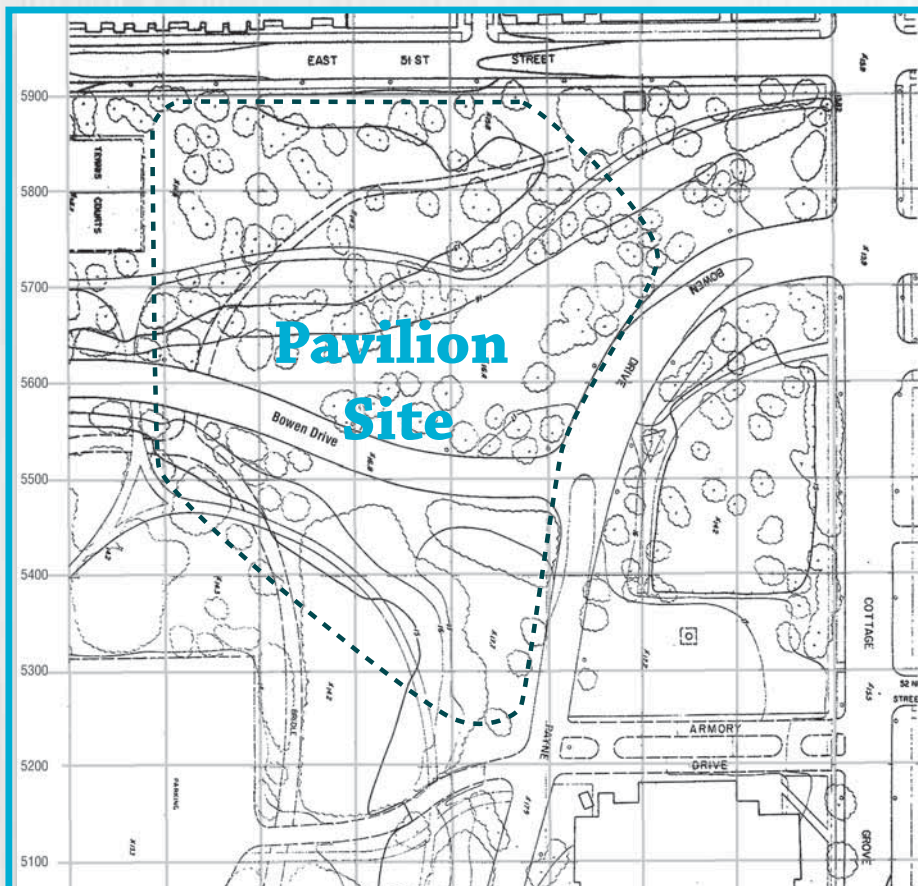
Serving Area @ 100 sq ft either attached to the performance pavilion or detached as a separate design element

Loading Dock:

(1) dock for production and concession deliveries with direct access to the stage and storage rooms

Seating:

Permanent seating for 300 people and space available for 400 temporary seats. In addition, lawn area could be used for more informal seating such as lawn chairs and blankets.



Awards

Cash Prizes totaling \$5,750 will be awarded to the winning students, the faculty sponsors, and their schools.

First Prize

Team/Individual \$2,000
School \$1,000
Faculty Sponsor \$500

Second Prize

Team/Individual \$1,000
School \$500
Faculty Sponsor \$250

Third Prize

Team/Individual \$350
School \$100
Faculty Sponsor \$50

Schedule

November 3, 2005

Submission Deadline

November 16, 2005

Competition Jury Selects Winners

December, 2005

Winners Notified

Project Registration/Submission Form
student design competition
using metal-in-construction 2005

Deadline for Entries: November 3, 2005—5:00 pm

Please complete this form and place it in an unsealed envelope adhered to the back of the first board of each submission. Also enclose a copy of the Project Information Form (see reverse of this page).

School/University _____

Department _____

Name of Faculty Sponsor _____

Faculty Mailing Address _____

City/State/Zip _____

Faculty Telephone _____

Faculty E-mail Address _____

Faculty Sponsor Signature _____

Studio/Class Entry

Number of Students _____

Names of Students _____

Individual Entry

Name of Student _____

Student Mailing Address _____

City/State/Zip _____

Student Telephone _____

Student E-mail address _____

Send forms and materials to

MCA Student Design Competition
4700 W. Lake Avenue • Glenview, IL 60025
847/375-4718 • Fax 877/665-2234



Project Information Form

student design competition 2005 using metal-in-construction

Deadline for Entries: November 3, 2005—5:00 pm

Please complete this form and place it in an unsealed envelope adhered to the back of the first board of each submission along with the Project Registration/Submission Form.

Name of Student(s) _____

School/University _____

Name of Faculty Sponsor _____

Studio/Class Entry

Individual Entry

Title of Project _____

Period of Time Worked on Project _____

Project Description: A brief description of the most important features, concepts, and innovations of your project.
(Use additional paper as necessary.)

Please note that due to the quantity of entries, MCA will not acknowledge receipts of submissions. Entries cannot be returned under any circumstances, and upon receipt they become the property of MCA. Students submitting original material for this competition should make adequate reproductions for their own use before submitting their work.

Send forms and materials to

MCA Student Design Competition
4700 W. Lake Avenue • Glenview, IL 60025
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Jury

The jury will comprise respected experts in the contemporary design of structures using metal in construction. Representatives of the following firms have been invited to participate.

Booth Hansen Associates
Chicago Park District
DLK Architecture Planning
Landscape
Nagle Hartray Danker Kagan
McKay Architects Ltd.
OKW Architects, Inc.
Perkins & Will
Ross Barney & Jankowski, Inc.

Entries

Entries must include no more than three firmly mounted 20x30-inch illustrations. Each presentation must be titled, have a graphic scale, and north arrow. Entrant's names are to be affixed to the back of the presentation. Entrant's name, school, and faculty sponsor must not appear on the front of any board.

Unacceptable presentations will include those mounted on wood or glass; those that are oversized, unmounted, or three-dimensional.

All presentations must be made using media suitable for black-and-white reproduction. Entries may be originals or high-contrast reproductions.

Please note: Entries cannot be returned under any circumstances. Upon receipt they become the property of MCA. Students submitting original material for the competition should make reproductions before submitting their work.

Please number posters in order judges should view them. (Example: 1 of 3, 2 of 3, 3 of 3)



Required Drawings

Drawings that must be included in the entry include

- Site plan: depicting traffic patterns, land use, landscaping, if any, and amenities.
- Site and building sections: transverse and longitudinal, showing physical and visual relationships.
- Exterior perspectives
- Building plans
- One interior perspective
- Two large-scale, detail drawings: one illustrating use of metals in the design and one that describes an internal detail (furnishing, fixture, etc.) Photos of models are encouraged. Do not submit models.

Project Submission Form

Each project must be accompanied by a completed project registration/submission form, which is included in this brochure. The form should be placed in an unsealed envelope and taped to the back of the first board.

Design Description

A brief description of the most important features/concepts/innovations of the project should be enclosed with the submission of the project summary form.

Shipping

Entries must be shipped in boxes of sturdy wrapping. All entries must be received at MCA headquarters by November 3, 2005, 5 pm.

Ship to

MCA Student Design Competition
Metal Construction Association
4700 W. Lake Avenue
Glenview, IL 60025

Inquiries/Information

Those with questions about the competition can reach MCA at 847/375-4718, fax 877/665-2234, or e-mail mca@metalconstruction.org.

Registration

Faculty members may wish to enroll all or part of their studios or classes in the competition. Students who wish to enter on their own must have a faculty sponsor. Projects may be the work of an individual or team.

Eligibility

Competition is open to upper-level (3rd year or higher) and graduate students in accredited schools of architecture in the United States and Canada. Each entrant must have a faculty sponsor. Submissions are to be principally the product of work in a design studio or related class.

Evaluation

Criteria for judging will include successful and creative use of metal in design solution and accommodations and solutions to the functional, environmental, and architectural needs and concerns involved. Key elements in the evaluation of the project will include:

- creative use of many forms of metal in meeting both design and functional requirements
- effectiveness in meeting the requirements of those who will use as well as work in the facility, as well as the community, landscape, climate, and structural requirements
- efficient implementation of mechanical, electrical, and external support systems
- consideration given to preserving and improving the surrounding environment.

