



# THE AMERICAN INSTITUTE OF ARCHITECTS

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## Submission

### Awards Program Information

Organization: **The American Institute of Architects**

Application: **2013 AIA TAP Building Information Modeling Awards**

### Deadline and Procedures

**\* = Required Field**

American Institute of Architects (AIA) Technology in Architectural Practice (TAP) Knowledge Community

## Call for Entries

## ***2013 AIA TAP BIM Awards***

### General Information

Key:

- ✓ = Section Complete
- ✗ = Section Incomplete

The AIA Technology in Architectural Practice (TAP) Knowledge Community is hosting its Ninth Annual Building Information Modeling (BIM) Awards competition. The competition is seeking projects that exhibit exemplary use of integrated and interoperable building information modeling. The Ninth BIM Awards Call for Entries builds upon the innovative responses received for previous award winners in 2005-2012.

(See [www.aia.org/tap](http://www.aia.org/tap) for previous BIM Awards recipients)

AIA TAP is pleased to have three industry partners in this year's BIM Awards: BIMForum and COAA and new for 2013 is IFMA.

The BIMForum ([www.bimforum.org](http://www.bimforum.org)) leadership and members are actively providing their expertise, insights and outreaching prowess to help make the 2013 BIM Awards the best ever. The Construction Owners Association of America ([www.coaa.org](http://www.coaa.org)) joins the 2013 BIM Awards program as an industry partner, participating in the Process Innovation category of submissions. The International Facilities Managers Association ([www.ifma.org](http://www.ifma.org)) joins the BIM Awards Program and helps introduce a new Category F: Exemplary Use of BIM For Facility Management | Operations.

The 2013 BIM Awards is open to all professionals (owners, architects, engineers, contractors, operators) and academic institutions. International submissions are welcome. Submissions will be for any and all categories. Each submission will be

evaluated by the 2013 BIM Awards Jury in the following categories (as well as an option by the Jury to award "Jury's Choice" as it deems appropriate):

- Category A: **Stellar Architecture Using BIM**
- Category B: **Delivery Process Innovation**
- Category C: **Outstanding Sustainable Design**
- Category D: **Academic Program / Curriculum Development**
- Category E: **Exemplary use of BIM in a Small Firm**
- Category F: **Exemplary use of BIM For Facility Management | Operations**

### **General Criteria for all Submissions**

Presentations will be judged on

- Documented quantifiable benefits addressing costs, schedule, quality or sustainability
- Clear depiction of using interoperability to gain design or project benefits
- Effective team collaboration
- Process change that enhances overall architecture services
- Demonstration of how design expertise is being used and embedded in BIM tools
- Cultural change in the way projects are delivered
- Fit with intent and requirements for the category (entrants may mark submissions for consideration in more than one category)

Special emphasis will be paid to:

- Real-world projects (in appropriate categories), not technology demonstrations
- Teams, not individuals

The number of awards and honorable mentions in each category are at the sole discretion of the 2013 BIM Awards Jury. Award winners are required to release their entries for posting by AIA TAP (e.g., website) and to participate in AIA TAP events (e.g., webinars) to share their project experiences and highlights with the industry.

### **Specific Criteria for Each Award Category**

#### **Category A: Stellar Architecture Using BIM**

For projects exhibiting exemplary architectural design in which the use of BIM and/or computational design were critical in the design and construction process. Projects should make use of two or more applications and illustrate the use of open standards and interoperable data exchanges

Award winning projects should

- advance the theory and practice of BIM use;
- demonstrate new capabilities and achievements incorporating outstanding programming, design, fabrication, construction and/or operation;
- include exceptional quality of both process and technological performance/innovation; and
- leverage building information modeling to operate the building to the fullest extent of its design potential

Requirements for this category include:

- Project is built, under construction, or in pre-construction phases that is

considered extraordinarily visionary by the jury

- Clear use of multiple applications inter-operating to realize outstanding design
- Architectural expression that could not have been realized without BIM subject to jury assessment of architectural quality

### **Category B: Delivery Process Innovation**

#### **In association with the BIMForum and COAA (Construction Owners Association of America)**

- Outstanding example of use of BIM in collaborative project delivery (such as Integrated Project Delivery), integrating planning, design, construction and operation to fulfill project goals
- Project is built or under construction
- Documented quantified benefits in efficiency and quality
- Documentation of innovative processes used to realize the project
- Preservation or enhancement of design intent with lower delivery costs
- New forms of collaborating or partnering
- Innovative new tools and methods

#### **Specific COAA OWNERS' CHOICE AWARD Criteria**

- Effective use of BIM in achieving project goals.
- Use of BIM to facilitate energy modeling, ongoing energy management, LEED or other standard for sustainability and energy efficiency, day-lighting analysis, etc.
- Specific emphasis on Project Turnover with use of BIM to facilitate owner O&M integration.
- Innovative approach - New idea, creative use of software, or innovative process that has yet to have been done.
- Effective utilization of all dimensions of BIM:
  - Modeling,
  - Visualization,
  - Scheduling/Logistics,
  - Cost control, and
  - Life Cycle Management.
- Emphasis on Project Collaboration. How well did the team work together relative to delivery method and sharing of information among multiple disciplines (4: IPD/co-location, 3: design-build, 2: design assist, 1: traditional delivery).

(Category B finalists will be required to present their submissions, in-person or virtually, during the 2013 February BIMForum to compete for the "Professional's Choice" Awards. In addition, some Category B Finalists will be required to present their submissions, in-person or virtually, during a 2013 COAA event to compete for the "Owners Choice" Awards. These presentations may also serve as a presentation to the 2013 BIM Awards Jury for the "Delivery Process Innovation" Awards.)

### **Category C: Outstanding Sustainable Design**

Exceptional BIM example of integrated use of sustainable, energy, life-cycle, and ecological technologies and process in the design execution of a building project

- Documentation of the process through which sustainability/simulation/analysis was integrated to inform the Design process
- Quantified assessment of performance improvements achieved

- Demonstration of how the design result changed in response to sustainability objectives

#### **Category D: Academic Program / Curriculum Development**

Outstanding new curriculum development incorporating BIM and IPD concepts

- Academic studies and research projects employing virtual building information modeling to achieve gains in efficiency, productivity, sustainability, or design intent realization
- Demonstration of use of interoperability to realize pedagogic goals
- Impacts on practice

#### **Category E: Exemplary use of BIM in a Small Firm**

Exemplary improvements through application of BIM in a firm of 10 or fewer members, in any stage(s) of the overall process of project feasibility assessment, programming, design, documentation, procurement, construction and operation.

- “Improvement” may mean increased project quality, productivity or efficiency, better communication among members of a project team, using BIM to achieve specific design goals, or any other enhancement that could be achieved only through the innovative use of BIM
- Entries shall include a detailed explanation of an innovative BIM-based work flow to address a specific issue essential to the realization of project goals
- Entries need not be built. However, some verifiable demonstration of the feasibility of the improved process must be provided

#### **Category F: Exemplary use of BIM in Facility Management | Operations**

Exemplary improvements through application of BIM for facility management and operations.

- “Improvements” may mean better maintenance, energy and asset management or any other enhancement that could be achieved only through the innovative use of BIM.
- Entries shall include a detailed explanation of an innovative BIM-based work flow to address
  - BIM deliverables from designers and contractors to owners,
  - Turnover issues, challenges, and successes
  - Data acquisition/ownership,
  - Integration of CAFM (Computer Aided Facility Management) and CMMS (Computerized Maintenance Management ) systems to BIM

NOTE: (Category F finalists may be required to present their submissions, in-person or virtually, during a 2013 Spring IFMA event to compete for the “Facility Manager’s Choice” Awards. These presentations may also serve as a presentation to the 2013 BIM Awards Jury for the “Exemplary use of BIM in Facility Management | Operations” Awards.)

#### **Eligibility**

All entries must meet the following requirements:

- Projects submitted by jury members or by the organizations they represent, and projects that included jury members on their team, will be disqualified
- All entries must receive permissions from owners and other team members and acknowledge that permission as part of the submission

(**Note:** AIA members and non-members, US-based or international submissions are all eligible to submit)

### **Screening**

The jury will consist of architects, experts and professionals involved in the use of BIM technology for the design and construction of the built environment. The jury has sole discretion in selecting entries that it believes best represent a cross-section of quality projects. 2013 BIM Awards finalists may be required to attend an interview, in-person or virtually, by the jury.

### **2013 Jury Members**

RK Stewart, FAIA, Chair, Salt Lake City  
Harry McKinney, Clancy and Theys, Raleigh  
Tom Sawyer, Engineering News Record, New York City  
Dennis Sheldon, Gehry Technologies, Santa Monica, CA  
Eric Teicholz, Graphic Systems Inc., Cambridge, MA

### **Submission Guidelines**

The material in the Project Narrative, Descriptive Data Sheet will be the only information on which the jury will evaluate the project. It is essential, therefore, that the information be clear, complete, and in the format prescribed.

*Submissions must not identify, on any graphics or text, the identity of the submitting firm. Such identification, other than on the Concealed Data Forms will be cause for elimination from the process.*

Each electronic submission will include the following completed items:

1. All Concealed Identification Forms (including the signature of an authorized representative of the project owner)
2. Post-Award Visualization and Model documentation (2013 BIM Awards recipients may be requested to provide additional graphic materials for presentations, multimedia displays, and public relations materials)
3. Project Narrative (of no more 1,500 words with total file size limit of 15MB), including the following:
  - What were BIM responsibilities of each major player in the team?
  - What new concepts, procedures or tools were employed in this effort?
  - How was the integrity of the central design concept maintained throughout the collaboration? How did BIM tools help and/or hinder in that effort?
  - Statement from each primary team member on most important advantages gained for this project through the use of BIM. How were these quantified and compared with typical results?
  - What BIM standards were employed by the team? How did these serve well; what is needed?
  - Diagram of data exchanges employed.

Items 1 & 3 must be supplied in .PDF.

Each Project Narrative shall

- Identify the design/construction team members by role and define their roles in general terms
- Identify relevant work-flows and data exchanges to realize goals within the category submitted
- Quantify the benefits achieved, based on the category of the submission
- Describe non-technology factors contributing to that success
- Make no mention of any firm name; visibility of the firm name will

disqualify the entry

**Please read and follow instructions.** Submissions that do not follow the rules will be disqualified.

### **Schedule and Deadlines**

October 22, 2012	Submissions Site Opens
December 17, 2012	Submission Deadline
February 2013	Jury Deliberations on 2013 Award Winners
Spring 2013	Category B Finalists Participate at BIMForum in Spring 2013
	Category B Finalists Participate at COAA event in Spring 2013
	Category B Finalists Participate at IFMA event in Spring 2013
April 2013	Winners notified and Press Releases
June 19, 2013	BIM Awards presentation Wednesday night prior to the 2013 AIA National Convention in Denver

### **Questions**

Questions regarding the submission procedure should be directed to [KCAwards@aia.org](mailto:KCAwards@aia.org).

### **Deadline and Procedures**

\*I have read and agree to the deadline and procedures ☐

Save and Continue

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## ✓ Deadline and Procedures

### Payment Type

### Payment

### Concealed Identification Form

### Release Forms Upload

### Project Information

### Upload Attachments

### Submit Summary

### Key:

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- |   |          |
|---|----------|
| <input type="radio"/> Fee for<br>AIA/COAA/Bimforum<br>Members   | \$300.00 |
| <input type="radio"/> Fee for non-Members   | \$400.00 |
| <input type="radio"/> Reduced Fee-Small<br>Practitioners & Academic<br>Institutions<br>(AIA/COAA/BIMforum/IFMA) | \$100.00 |
| <input type="radio"/> Fee - Small<br>Practitioners & Academic<br>Institutions (Non-Members)                     | \$200.00 |

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**Please proceed to enter credit card information in secure payment site.**

**\* = Required Field**

**IMPORTANT!**

**This stage in the submission process is payment of the fee.**

**Key:**

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**You can go back at any time to edit or update your submission before the deadline date, but once credit card information is entered, the non-refundable entry fee will be immediately charged to your credit card after clicking Charge and Continue. **Again, all fees are non-refundable.****

Select a credit card type

\*Credit Card Type

Exactly as it appears on the credit card

\*Name

Billing address of credit card

\*Address

\*City

\*State

Province (Outside  
US)

\*Zip / Postal Code



\*Credit Card  
Number

\*Credit Card  
Expiration

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\*Contact Phone  
Number for this  
card





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### Concealed Identification Form

**\* = Required Field**

The accuracy of this form is of critical importance in providing information that the AIA will use in publicizing the winning projects. All credits on the award citations and in *AIArchitect* will be based on this form. **Any errors or omissions will be the responsibility of the entrant.**

Full credit must be given. If more than one architectural firm is credited for a single project, the order and credit in which names are listed on this form will be the official sequence. No changes will be permitted in the order nor will any deletions or additions be permitted once the submission has been received by the AIA. The forms will not be viewed by the jury until after all judgment has been made.

If more space is required (other than the Collaboration Acknowledgments box below) to list all contributing Firms and/or Associate Firms/Owners/etc...you may list these on a separate document to be included as the last page of the single PDF file uploaded in the next section (All Concealed ID Forms Upload) with your All Firms Signature Page, Copyright and Release Forms, and Intern Declaration.

**Please note that when crediting award recipients in publications and citations, it is the policy of the American Institute of Architects to list only the Architecture Firms associated with the project, not individuals.**

*I confirm to the accuracy of the information supplied for the concealed identification forms.*

\*I confirm ☐

### Owner Information:

\*Project Owner

\*Owner Phone

\*Owner Email

### Architect

To whom design should be credited

\*Name

\*Firm

Address Line 1

Address Line 2

\*City

\*State

Province (Outside US)

Zip / Postal Code

\*Country

\*Phone

\*Email

Characters Remaining   
Email is limited to 90 total characters, including spaces and punctuation.

Firm Size

AIA Chapter (if member)

AIA Member No. (if member)

*It is the policy of the American Institute of Architects to promote and recognize high levels of collaboration between all members of the design team. Submittals are required to be made by Architects of a project, but the Submitting Architects must faithfully, completely and accurately list all other Architects, Interior Designers, Landscape Architects, Programmers, Planners and Engineers who were part of the project team. Submitting Architects are required to clearly describe their role, as well as the role of other Architects or Designers.*

Please indicate any collaboration acknowledgements with explanation of participation here:

Other team members

Characters Remaining   
Other team members is limited to 6000 total characters, including spaces and punctuation.

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[Save and Continue](#)

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### Release Forms Upload

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The All Firms Signature Page, Copyright and Release Forms, and Intern Declaration are contained in a single PDF file below. They are to be completed and uploaded at the bottom of this page as a single PDF file.

Should you make changes to these forms after initially uploading your single PDF file, you may upload the corrected file once you are certain it contains all of the completed and signed forms (All Firms Signature Page, Copyright and Release Forms, and Intern Declaration). Please note that the only file we will receive from this section will be the last file you upload.

Do not include any of these forms in the Image Upload section at the end of this submission.

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[Click here](#) to print, complete, and sign all forms to be uploaded below for the TAP/BIM Awards.

\*Concealed ID Forms  
Upload

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Please be patient once you click the submit button, files can take time to upload, actual time will depend on your connection speed and the size of the file. Once your file has uploaded, it will be processed for storage. During peak periods, this may take several minutes. During this time you will see a "processing" message.

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### Project Information

**\* = Required Field**

\*Project Name

Characters Remaining

100

Project Name is limited to 100 total characters, including spaces and punctuation.

\*Type of Construction

Other Type of Construction

Characters Remaining

300

Other Type of Construction is limited to 300 total characters, including spaces and punctuation.

### Area Calculations

Site Area

Acres

### Building Area:

Total Gross Square Feet

(GSF-- if a multiuse project, this is the building total)

GSF New	<input type="text"/>
GSF Renovated	<input type="text"/>
GSF Total	<input type="text"/>
Net Assignable Area (NAA)	
NAA New	<input type="text"/>
NAA Renovated	<input type="text"/>
NAA Total	<input type="text"/>
Building Efficiency Ratio (GSF/NAA)	
GSF/NAA New	<input type="text"/>
GSF/NAA Renovated	<input type="text"/>
GSF/NAA Total	<input type="text"/>

---

**Project Delivery Type**

*Project Delivery Type	<input type="text"/>
Other Type of Project Delivery	<div><div></div><div>300</div></div>
Characters Remaining Other Type of Project Delivery is limited to 300 total characters, including spaces and punctuation.	

---

**Costs**

Actual	<input type="checkbox"/>
Estimated	<input type="checkbox"/>
*Site Development Costs	<input type="text"/>
*Building Costs	<input type="text"/>
Add site development and building costs	
*Total Construction Cost	<input type="text"/>
Do not include site costs in Building cost/GSF	
*Building cost/GSF	<input type="text"/>

---

**Status of Project**

Completed	<input type="checkbox"/>
-----------	--------------------------

Year of Completion

Under construction ☐

Date of construction contract

Estimated date of completion

Construction Documents phase ☐

Estimated date of construction contract

Estimated date of completion


---

### **Project description/Narrative**

Please insert a brief synopsis of your project. You will be asked to provide a detailed description to be uploaded with your images.

**Do not divulge the identity of the architect, client, or project name in any of the text on this page.**

\*Project  
Description/Narrative



Characters Remaining

Words Remaining

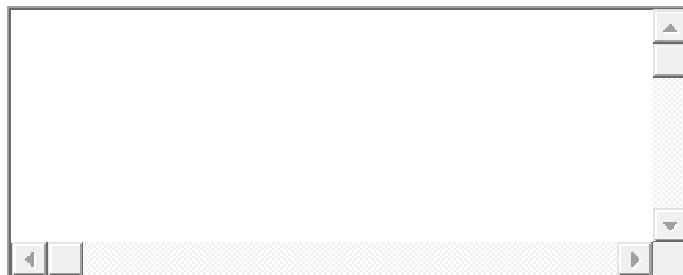
Project Description/Narrative is limited to 5000 total characters (including spaces and punctuation) and 500 words.

---

### **Capsule Descriptions of Program and Design Response**

These texts will be used as the architect's statement and may appear with jury comments and articles. Please limit each of the statements to 200 words each.

\*Architect's  
Statement



Characters Remaining

Words Remaining

Architect's Statement is limited to 2000 total characters (including spaces and punctuation) and 200 words.

\*Contractor's  
Statement

A large rectangular text area with a light gray border and a dotted pattern. It contains no text. On the right side, there are two small square buttons, one above the other. On the bottom left, there is a small square button with a left-pointing arrow. On the bottom right, there is a small square button with a right-pointing arrow.

Characters Remaining

2000

Words Remaining

200

Contractor's Statement is limited to 2000 total characters (including spaces and punctuation) and 200 words.

\*Owner's Statement

A large rectangular text area with a light gray border and a dotted pattern. It contains no text. On the right side, there are two small square buttons, one above the other. On the bottom left, there is a small square button with a left-pointing arrow. On the bottom right, there is a small square button with a right-pointing arrow.

Characters Remaining

2000

Words Remaining

200

Owner's Statement is limited to 2000 total characters (including spaces and punctuation) and 200 words.

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Save and Continue

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## Upload Attachments

### File Restrictions

1. You may upload the following file type(s): Adobe Acrobat (.pdf), Microsoft Power Point 97-2003 Document (.ppt)
2. Files must be smaller than 15MB in size.

\* Please note, when uploading image files for viewing on the web they must be saved in RGB color format. CMYK and other formats will not render in web browsers.

### File Uploading

- You are responsible for checking that the file you upload opens and can be viewed as intended.
- Your submission must include the required items as **one .PDF file smaller than 15 MB.**
- Upon the jury's final selection you may be contacted to provide high-resolution images. Without these your project will not receive proper recognition. Winning submissions become the property of the AIA Library and Archives.
- Do not include any of your Concealed ID information or forms in this section - doing so will disqualify your submission.
- Do not use your name or your firm name in the file nomenclature – doing so will disqualify your submission.
- Do not reveal the architect's name on any of the images, plans, or narratives – doing so will disqualify your submission

#### 1. Image Upload:

Project Narrative (of no more 1,500 words with total file size limit of 15MB):

- What were BIM responsibilities of each major player in the team?
- What new concepts, procedures or tools were employed in this effort?
- How was the integrity of the central design concept maintained throughout the collaboration? How did BIM tools help and/or hinder in that effort?
- Statement from each primary team member on most important advantages gained for this project through the use of BIM. How were these quantified and compared with typical results?

- What BIM standards were employed by the team? How did these serve well; what is needed?
- Diagram of data exchanges employed.

Each Project Narrative shall

- Identify the design/construction team members by role and define their roles in general terms
- Identify relevant work-flows and data exchanges to realize goals within the category submitted
- Quantify the benefits achieved, based on the category of the submission
- Describe non-technology factors contributing to that success
- Make no mention of any firm name; visibility of the firm name will disqualify the entry

### Upload Instructions

1. Click the "Browse" ("Choose File" for Mac) button below to select your single PDF file to be uploaded
2. Click the "Upload Files" button
3. To view your file, click the file name under the "Attachment" header.

#### Attachment

#### Attachment Description

Click the "Upload Files" button below to begin uploading your files to the server.

Upload Files

### Current Attachments

Below are the attachments for this submission. You may edit the description or remove the attachment using the appropriate link in either option column. To view the attachment, click the attachment file name in the "Attachment" column.

Edit	Attachment	File Size	File Type	Date Created	Remove
No records to display.					