

Fourth Annual Synergis Student Architecture Competition *(Outline and Rules)*

Rules:

- To enter, you must be a k-12 student or a team of k-12 students (up to 3 per team) and live within the continental US.
- You must send in a completed registration form by March 14, 2014. One per team is sufficient. Include all students on the team, the school you attend and the teacher's name and email address. You can mail or email the form to us at the addresses below. Copy of the registration form: <http://www.synergis.com/Registration> .
- Submission will be in the form of an Autodesk Revit format (.RVT) file. You can send the .rvt file in by hard copy (thumb drive or disc), or we can also open a Dropbox folder for you. If your school does not allow Dropbox, please make arrangements to mail us the file so that it gets to us by the end of the day on April 18, 2014.
- The top three designs chosen will be notified and posted to our Synergis Engineering Design Solutions Facebook page no later than May 1, 2014. Votes will be by Facebook 'likes'.

Entries are to be sent to:

Attn: Student Competition
Synergis Engineering Design Solutions
472 California Road, Suite 100
Quakertown, PA 18951

Digital copies, registration forms or questions about the competition, can be emailed to synergiscad@synergis.com.

Project Guidelines:

This year the challenge is to design a **Community Arts Center** of approximately 25,000 - 30,000 square feet in an urban environment of Philadelphia, PA. Preference will be



given to projects that demonstrate innovation and design excellence through the capable use of Autodesk Revit Architecture software.

Judges will be looking to see if you've created a building that is both inviting and functional, with focus on building aesthetics, your material selections, and if you've attempted to achieve sustainability.

Potential activities within the Community Arts Center may include: Drawing, Painting, Printmaking, Sculpture, Pottery, Ceramics, Photography, Jewelry & Metal-smithing, Movement (i.e. Yoga, Dancing, etc.), Music, Workshops and Art Exhibition. You do not need to include all of these activities and are welcome to add to the list as well.

Required spaces:

Besides space for the above activities, below are required spaces needed for functionality:

- Outdoor space for seasonal live music performances and/or Arts & Crafts Festivals.
- Ample parking offsite is available but you need to provide 4 handicapped parking spaces on the site.
- Administration office with reception counter
- Storage
- Restrooms - men's and women's
- Mechanical room
- Janitor's closet

Your project must be within the property lines of the site project (shown in red). But you may build right up to those lines, with no additional setback.

Building location:

The property is located at the intersection of Callowhill Street and North 18th Street, Philadelphia if you'd like to explore the neighborhood with Google Maps Street View or a similar application.

Project Files:

Site and Building Model files are provided for you, please email us at synergiscad@synergis.com for the files. We offer Autodesk Revit 2011 files so that you



can open them in Revit 2011, 2012, 2013 and 2014. One file is the site with the surrounding streets and some of the neighboring buildings. The other is an RVT for your building that has the site linked as a relative link.

You'll need the site to place your Revit building pad and to ensure your building and outdoor meeting area is contained within the property boundaries.

Set the floor levels to any height as appropriate to your building's design.

Resources:

Videos that you may find helpful are posted at:

- Editing Wall Types: <http://wp.me/p2cQJu-kB>
- Building Pads - Part 1 & 2: <http://wp.me/p2cQJu-FA>

Websites that may be helpful:

- The Autodesk Student Community: (<https://www.students.autodesk.com>) offers many tips and tricks and design ideas while focusing on BIM and sustainability. There are many good resources on this site, not to mention free downloadable software.
- Synergis Blog Site: (www.synergiscadblog.com) Many good tips and tricks provided by our team in addition to the videos pointed out above.
- Synergis YouTube Channel (<http://www.youtube.com/SynergisCAD>) has lots of videos working with Revit that may help you learn some tricks you didn't know.

Additional Important Information:

- Although not required, submissions can also include analytical data, simulation results supporting evidence of sustainable design, renderings & presentation material explaining the submission design in PDF format. See past winning projects without the .rvt files on the Synergis CAD blog (<http://wp.me/p2cQJu-oG>). **Please note that .rvt files are required this year.**
- Provide contact for verification that the participant is currently a student. Simply add a teacher and a teacher email address for verification.
- You may get ideas from visiting community centers, being mentored by industry professionals or teachers, but the actual work must be done by the students on the team.



- The Revit model will be explored by the judges in 3D, so be sure to include a fairly complete three dimensional model of the building. Visualizations and walk-throughs are a great way to display your buildings for the judges.

Prizes:

In addition to recognition for their accomplishments, winning projects will receive monetary awards as follows:

First Place:

- \$1,000 to split among the team
- The opportunity to present their project at Synergis University on June 4, 2014 (live or via live conferencing).
- Have their designs on the website and at Synergis University.

Second Place:

- \$500 to split among the team
- The opportunity to present their project at Synergis University on June 4, 2014 (live or via live conferencing).
- Have their designs on the website and at Synergis University.

Third Place

- The opportunity to present their project at Synergis University on June 4, 2014 (live or via live conferencing).
- Have their designs on the website and at Synergis University.

Competition Schedule:

The schedule for the competition is as follows:

October 31, 2013: Competition Begins!

March 14, 2014: Registration forms are due

April 18, 2014: Competition entries **MUST** be received by 5:00 pm.

Our team urges you to finish a few days early so that you have ample time to ensure we receive your project on time. You may send the project more than once but we will only judge the last one in before the 5:00 pm deadline.

May 1, 2014: Our judges will notify the top three submissions and they will be added to the Synergis Facebook page for voting.

May 23, 2014: Winners will be decided by the most likes by 5 pm.

June 4, 2014: Synergis University! Winners present and are invited to attend.

